REPORT
September, 23, 2024

NYSERDA
Half Hollow Hills Central School District

ZEV TRANSITION PLAN



wendel

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Section 1 Introduction



Introduction

Half Hollow Hills Central School District and NYSERDA have obtained Wendel's services to conduct a study regarding the transition of the district's current diesel and unleaded gasoline school bus fleet to battery electric buses (BEBs) by 2035. The deliverables of the study include a transition plan providing the district a guide to transitioning the fleet based on current NYS mandates. Should the current mandates change, this plan will provide the necessary information for the district to adjust the plan accordingly.

Background

In April 2022, New York State's enacted 2022-2023 State Budget included a zero-emission mandate for NYS school buses. The mandate requires, in part, that by July 1, 2027, all new school bus purchases and leases must be zero-emission and that by July 1, 2035, all school districts must only operate and maintain zero-emission school buses. This mandate defines zero-emission school buses as a school bus that "is propelled by electric motor and associated power electronics and draws electricity from a hydrogen fuel cell or battery; or otherwise operates without direct emission of atmospheric pollutants." Zero-emission school buses are primarily battery electric at this time. Other zero-emission buses such as hydrogen fuel cell are in development but are not readily available commercially.

Half Hollow Hills Central School District elected to prepare for these requirements by developing a transition plan that would provide the district with the planning tools and flexibility necessary to ensure a seamless transition to zero-emission. In December 2023, Half Hollow Hills Central School District contracted with Wendel and NYSERDA through PON 4192 – P12 Schools: Flexible Technical Assistance Program in developing a transition plan that provides a path towards a fully battery electric bus (BEB) fleet by 2035. The program goal is to provide districts with a study that evaluates and recommends infrastructure upgrades that can be used to make informed decisions regarding design and implementation to reduce energy loads and assist in conversion to carbon free fuels. This transition plan can be used as a guide to the district in transitioning and implementing battery electric buses, hereinafter referred to as BEBs.

Scope of Work

The detailed scope of work can be found in Appendix D - Original Scope of Work and include the following major tasks:

Task 1: Project Kickoff and Status Meetings
Task 2: Data Collection
Task 3: Route Analysis
Task 4: Conceptual Charging Strategy
Task 5: Electrical Utility Analysis
Task 6: Concept Development and Phasing Plan
Task 7: Transition Plan Cost Estimates
Task 8: Final Report

Deliverables for each task above detailing the results and findings of the task are included in the appendices. This report is a summary of the findings of the individual letter reports generated from each task.

Note on Technology

BEB technology is emerging and rapidly changing. Electric bus battery capacities are increasing as this technology grows while battery sizes and weights continue to decrease due to charge density improvements. Supporting equipment, such as chargers, are also evolving in terms of charger sizes, an increase in features and improving energy efficiencies. As battery capacities increase, the need for larger chargers also increases to enable fully charging a larger battery in the same amount of time.

During cold weather, battery electric school buses face unique challenges when it comes to charging and performance. Low temperatures can significantly affect battery efficiency and charging speed, as cold weather slows down the electrochemical reactions within the battery cells. This can lead to longer charging times and reduced range per charge, impacting the bus's operational capabilities. Additionally, extreme cold can cause batteries to temporarily lose some of their stored energy, further limiting performance. To mitigate these issues, bus operators need to monitor and manage charging schedules to optimize performance during cold weather conditions.

The recommendations in this report regarding bus battery capacities and charger sizes are based on the route analysis and conceptual charging strategies developed in Tasks 3 and 4, utilizing technology that is currently available as well as manufacturers recommendations. As BEB and charger technology evolves, superior bus capacities and charger configurations may become available. This superior equipment may be substituted for the equipment proposed in this report in order to increase efficiency or bus performance. If an increase in charger size is desired, Half Hollow Hills Central School District should confirm compatibility and capacity with the vendor and their utility provider, prior to purchasing.

It should also be noted that at the time of this report, fire and building codes have not been updated to include recommendations for preventing or managing battery electric fires. Although the frequency of BEB fires is no greater than their diesel counterparts, Lithium-Ion batteries burn much hotter than a diesel fire and are extremely difficult to extinguish. Wendel has developed a fire protection protocol for BEB fires and, working with insurance agencies and various state fire marshals, has obtained approval for implementation of this protocol where BEBs are stored and maintained. It is important to note that the local Authority Having Jurisdiction (AHJ) is the primary authority for approval of fire protection protocols. As the codes are updated to address battery electric fires the recommendations of this report should be reviewed and updated as necessary and/or required.

Section 2 Executive Summary

Executive Summary



Strategy, Goals & Constraints

Wendel developed a transition plan to provide the district with the planning tools and flexibility necessary to ensure a seamless transition to a fully BEB fleet. The goal of the transition plan is to provide a path towards a zero-emission bus fleet by 2035 by providing Half Hollow Hills Central School District with a study that evaluates and recommends infrastructure upgrades that can be used to make informed decisions regarding design and implementation to reduce energy loads and assist in conversion to carbon free fuels. This transition plan can be used as a guide to the district in transitioning to a BEB fleet and implementing BEBs.

Wendel utilized the following guiding principles to develop ZEV transition plans:

- No impact on student experience
- Limit constraints on operations
- Reduce implementation cost and complexity
- Minimize impact on workforce

Wendel has identified the following constraints to transition to a fully BEB fleet:

- Vehicle range limitations
- Charging duration requirements
- Utility demand requirements
- Demand on facilities and operations
- Maintenance knowledge

Analysis Results

Wendel analyzed current bus route data and determined the anticipated energy requirements per route. The anticipated energy requirements per route were then used to determine minimum battery size requirements, charging requirements and charging durations necessary.

Bus Storage/ Charging Locations	Depot Address after electrification:	25 Burrs Ln, Huntington Station, NY 11746
	Number of Buses at this depot location:	59
	Number of chargers at this location:	55
	Ownership of the depot:	district owned
	Bus Ownership:	district owned

Table 1 Bus Storage and Charging Locations Summary

Wendel evaluated eight different bus manufacturers and five different charger sizes ranging from 24 kW to 360 kW. The analysis includes the review of battery capacities, charger levels, and outputs. Wendel has analyzed these bus manufacturers per the existing routes to determine the performance of each bus configuration. The district has stated that they would prefer to utilize IC buses wherever possible, though the use of Lion and Thomas Built is okay if necessary. Thus, Wendel has utilized IC buses as the basis of the investigation for the proposed electric buses. Since Thomas and IC buses do not offer Type A buses, Lion bus was used for the replacement of Type A buses only.

	Bus Size based on District Preferred Manufacturer	Bus Type	Route Buses	Spare Buses	Total Proposed Buses
Buses	168 kWh BEB	Type A	3	2	**5**
	210 kWh BEB	Type C	39	6	**45**
	315 kWh BEB	Type C	7	2	**9**
			49	10	**59**

Table 2 Proposed Bus Summary

Chargers	Charger Size	Route Bus Chargers	Spare Bus Chargers	Total Proposed Chargers	Location: Bus Garage
	24 kW	14	2	16	
	60 kW	32	0	32	
	120 kW	3	4	7	
		55	6	55	

Table 3 Proposed Charger Summary

Among the routes for the (59) route buses examined, it was determined that the routes for all (59) of the buses can currently be performed by a BEB as BEBs currently have adequate battery capacity at the existing bus size to meet these route demands.

Total Number of Route Buses:	59
Percent of Route Buses that can be electrified with current technology based on their existing daily routes:	100%

Table 4 Buses with Route Compliance

It should be noted that light duty student transportation vehicles such as vans were not included in the scope of this study and have been excluded from the above analysis.

Utility Requirements & Impacts

The projected power requirements for the charging of BEBs requires a new utility service feed from PSEG and an additional transformer. The power capacity requested is determined from the charging requirements of the electric buses and the fire protection infrastructure and assumes that a charge management system is used. The utility has completed the feeder study and determined that they can support the project's anticipated required power to charge the electric fleet. The utility (PSEG) has developed a cost estimate of $44,069.51 to provide a new 480 Volt three-phase service powered by a 1000Kva utility transformer. PSEG Make Ready Program will cover 100% of the $44,069 to add additional service.

Before Demand Reduction		
Maximum combined bus electrical demand	904.5	kW
Day of Week Max Demand Occurs	Tuesday	
Time Max Demand Occurs Between	9:00 AM	10:00 AM
After Demand Reduction		
Maximum combined bus electrical demand	611.1	kW
Day of Week Max Demand Occurs	Tuesday	
Time Max Demand Occurs Between	12:00 PM	1:00 PM
Savings		
Demand Reduction	293.3	kW
Percent Demand Reduction	32%	
District-side Infrastructure	- New fire pump electric service, service switch, generator and transfer switch - New electrical service switchboard (can temporarily support first (1) 24kw DC charger with existing service) - New electrical distribution switchboards and panelboards	
Utility-side Infrastructure	- New utility electrical service - New utility transformer - No capacity upgrades were needed	

Table 5 Utility Impact Summary

Phases & Costs

Wendel has estimated the capital cost to implement battery-electric buses and supporting charging infrastructure to achieve 100% zero-emissions bus operations by 2035. Transition plan phases were determined by the bus implementation/procurement schedule provided by Half Hollow Hills Central School District. The bus implementation schedule below determines when infrastructure is required per phase. The transition plan can be adjusted if Half Hollow Central School District decides to purchase buses at a rate that is different that the suggested procurement plan. Based on this

transition plan and bus implementation schedule, Half Hollow Hills Central School District will be fully transitioned to a zero emission battery electric fleet by 2035 through (3) proposed phases as seen below

Half Hollow Hills Central School District Anticipated Battery Electric Bus Procurement by Year

	Existing	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	Total
BEB Bus Procurement Schedule	0	0	0	0	0	5	6	6	6	6	6	6	6	12	59
168 kWh BEB	0	0	0	0	0	0	0	0	0	0	0	1	2	2	5
Cumulative 168 kWh BEBs	0	0	0	0	0	0	0	0	0	0	0	1	3	5	
210 kWh BEB	0	0	0	0	0	4	4	6	5	5	6	4	4	7	45
Cumulative 210 kWh BEBs	0	0	0	0	0	4	8	14	19	24	30	34	38	45	
315 kWh BEB	0	0	0	0	0	1	2	0	1	1	0	1	0	3	9
Cumulative 315 kWh BEBs	0	0	0	0	0	1	3	3	4	5	5	6	6	9	
0 kWh BEB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cumulative 0 kWh BEBs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0 kWh BEB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cumulative 0 kWh BEBs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Battery Electric Bus Fleet Size	0	0	0	0	0	5	11	17	23	29	35	41	47	59	59

Figure 1 Anticipated battery electric bus procurement by year

Phase 1 of implementation will require electrical upgrades including a new utility transformer, new service switchboard, new power distribution equipment and fire protection upgrades. Additionally new cable trench from utility pole to utility transformer, new trenched feeders from utility transformer to service switchboard and new trenched feeders from service switchboard to distribution equipment, new trenched feeders from generator system to fire pump equipment, new trenched power feeds and charging equipment for up to 12 chargers.

- PSEG transformer and new three phase service for Phase 1: **$44,069**
- Charging system infrastructure for Phase 1: **$1,644,606**
- Fire Protection infrastructure: **$1,386,521**
- Total Phase 1 estimated cost: **$2,923,640 to $3,226,752**

Phase 2 of implementation will require electrical upgrades including new power distribution equipment, new trenched feeders from service switchboard to distribution equipment, new trenched power feeds and charging equipment for up to 24 additional chargers. The total estimated cost of Phase 2 is **$3,440,644 to $3,802,818.**

Phase 3 of implementation will require electrical upgrades including new power distribution equipment, new trenched feeders from service switchboard to distribution equipment, new trenched power feeds and charging equipment for up to 19 additional chargers. The total estimated cost of Phase 3 is **$3,417,739 to $3,777,501.**

The total estimated cost of the transition is $9,737,954 to $10,763,002.

The costs associated with the BEBs themselves are not included in the above costs per phase or in the cost estimates included in Section 8 Transition Plan Cost Estimates. Below are estimated costs of the recommended BEBs as of the date of this report. Costs may vary based on region, date of procurement, and customization of the buses including add-ons/ and warranties.

Make	Bus Type	Energy Capacity (kWh)	Estimated Cost
Lion	Type A	168	$300,000.00
IC Bus	Type C	210	$394,000.00
IC Bus	Type C	315	$428,000.00

Table 6 BEB Estimated Cost Per Bus

Incentives and Grants

Leveraging financial incentives to fund BEBs and charging infrastructure can help with the transition of diesel or gasoline powered buses to BEBs. Grants, rebates, vouchers, and tax credits can help mitigate the higher upfront vehicle costs and infrastructure investments. Several State and federal programs offer funding opportunities for both BEBs and chargers. The below incentives are not guaranteed and are only applicable as of the date of this report. All information is from NYSERDA's Electric School Bus Guidebook[1], an online resource available to the public. Please contact your NYSERDA representative for more information including eligibility, program requirements, and application process.

[1]NYSERDA. (2024, June). Retrieved from Electric School Bus Guidebook Guide 4: Financial Incentives: https://www.nyserda.ny.gov/-/media/Project/Nyserda/Files/Programs/Electric-School-Bus/Financial-Incentives-for-Electric-School-Buses-and-Chargers.pdf

EPA Clean Heavy-Duty Vehicles Grant Program – School Bus Sub-Program

Vehicle Type	EPA Cost Share Percentage of New Vehicle Price	Pre-Vehicle Funding-Cap (Vehicle + Infrastructure)
Battery-Electric School Bus	75%	$280,000

Table 7 EPA Clean Heavy-Duty Vehicles Grant Program – School Bus Sub-Program from NYSERDA's School Bus Guidebook

New York School Bus Incentive Program – School Bus Voucher

School Bus Type Base	Base Voucher	Priority District Bonus	Scrappage Bonus	V2G Add-on	Wheelchair Add-on
New Type A	$114,000	$285,000	$47,500	$9,500	$8,000
New Type C	$147,000	$36,750	$61,250	$12,250	$8,000
New Type D	$156,000	$39,000	$65,000	$13,000	$8,000
Repowered A	$105,000	$21,000	N/A	$7,000	N/A
Repowered C	$135,000	$27,000	N/A	$9,000	N/A

Table 8 NYSBIP School Bus Voucher from NYSERDA's School Bus Guidebook

Eligibility Table		
Coverage	**USMR**	**CSMR**
Public Fleets	100%	0%
Public Transportation	100%	50% (DAC) 20% (NON-DAC)
Incentive Caps		
Public Fleets		$50,000
Public Transportation		$200,000

Table 9 PSEG Make Ready Program Incentives

New York School Bus Incentive Program – Charging Voucher

Type	Base Voucher Amount	Fleet Electrification Plan Bonus
Non-Priority District	$25,000	$55,000
Priority District	$35,000	$65,000

Table 10 NYSBIP Charging Voucher from NYSERDA's School Bus Guidebook

Section 3 Data Collection

DATA COLLECTION

Data collection plays a vital role in understanding, optimizing, and managing BEB transitions. It enables evidence-based decision-making, facilitates operational efficiency, and supports the successful integration of BEBs into existing school district systems.

Wendel submitted an RFI to Half Hollow Hills Central School District on April, 29, 2024, to gather key data required to perform proper analyses. The requested data included:

- Bus Fleet Information – Fleet size (current and projected), bus replacement plan/schedule, preferred EV manufacturer, bus types/size
- Bus Schedules and Route Data – Detailed bus routes, departure and return times, operational hours, mileage, fuel consumption, operational contingency/resiliency plans.
- Bus Parking/Storage Arrangements – Indoor/Outdoor, location
- Fueling – current operational requirements for fueling
- Utility Data – Name of local utility, existing service size (kVA) and voltage, Utility contact
- Existing School Electrical Distribution Information – existing capacity, condition, expansion capability. Any as-built electrical site drawings (one-line distribution drawings)
- Existing Site Plan – CAD file of overall site plan
- Fleet maintenance data and historical cost

Received information can be found in Appendix F - Information Received from Client.

Bus Fleet Information

Bus fleet information is vital for effective planning, replacement strategies, and financial planning related to the transition of BEBs. It forms the foundation for a well-informed and successful BEB transition plan. Half Hollow Hills Central School District provided a bus list containing (59) buses with their associated age, make, model, etc. The following table shows the breakout of these buses by bus type and model number. A full table with bus names and details can be found in Appendix F - Information Received from Client.

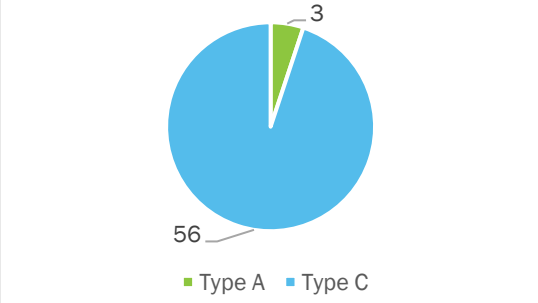


Figure 2 Bus Type Breakout

Vehicle Types & Quantities		
Bus Type	Model Number	Quantity of Buses
Type C	THOMAS	1
Type C	AMTRAM	6
Type C	BLUEBIRD	8
Type C	INTERNATIONAL	35
Type C	THOMAS	6
Type A	TRANS TECH	2
Type A	THOMAS	1
Grand Total		*59*

Table 11 District Vehicle Types and Quantities

Bus Schedules and Route Data

Vehicle schedules and route data for all buses was provided by Half Hollow Hills School District. The data provides specific information on each individual route that is driven by Half Hollow Hills School District's fleet of school buses. This data included departure and arrival times, total duration, and mileage for each route. Wendel included a 5% safety factor within the calculation, assuming there would be changes to routes. If route changes are greater than 5%, the changes can be addressed in detailed design. Each route duration includes 15 minutes after the bus is taken off the charger to account for energy utilization before the route. The duration and distance of the routes are essential to determine the energy requirements of each route, the viability of opportunity charging, and the bus battery size required.

The routes were then combined into "am" and "pm" routes. Each route group has a cumulative start and finish time, total duration, and total distance. The following table shows a sample of the received routes broken up. The full table can be found in Appendix F - Information Received from Client.

AM & PM Route Schedule					
Vehicle Name	AM/PM	Total Distance (Miles)	Start Time	Finish Time	Duration (Minutes)
2	AM	11	6:20:00 AM	7:05:00 AM	45
2	AM	8	7:05:00 AM	7:40:00 AM	35
2	AM	9	8:23:00 AM	9:05:00 AM	42
2	PM	10	2:06:00 PM	2:48:00 PM	42
2	PM	10	2:48:00 PM	3:01:00 PM	13
2	PM	8	3:11:00 PM	3:50:00 PM	39

Table 12 Sample of Route Grouping

The following additional metrics were calculated to improve the accuracy of the analysis portion of the plan. Wendel calculated the deadhead distance and duration based on an assumption of 10% as approved by the district. Deadhead reflects the bus driving with no students onboard which will yield higher driving efficiencies.

- Active Distance (mi)
- Deadhead Distance (mi)
- Active Duration (Minutes)
- Deadhead Duration (Minutes)
- Resting Duration "On" (Minutes)
- Average Speed (mph)
- Time between AM/PM Routes

Data from previous studies was utilized to enhance the depth and comprehensiveness of the analysis. By leveraging the valuable insights and findings from these earlier investigations, Wendel was able to build upon existing knowledge and establish a stronger foundation for their study.

Section 4 Route Analysis

ROUTE ANALYSIS

Wendel analyzed the available bus route data for each route to determine the time and distance required for a bus to complete the routes. The analysis developed energy requirements per route and determined the minimum battery size requirements, charging requirements, and charging durations necessary per route.

Route Adjustments and Process

- The facility advised that bus 15 should be changed to bus 17.
- Wendel revised routes that had overlapping start and finish times to ensure that we were not double counting the buses time on the road.
- After reviewing the route data received, it was noted by Half Hollow Hills that buses 65, 66, 67, and 68 were listed as Type C buses and drive midday and private school late bus routes. Buses 65, 67, and 68 were proposed as type A buses because the passenger capacity was less than 30 passengers
- All private school late bus routes were assumed to start at 5:00 PM and were assumed to have durations between 30 minutes and 1 hour based on the distance of the route.
- Some of the routes received from the route schedule appeared to be duplicates, so they were removed for the analysis. For instance, bus 24 – Route MD -HSW to CVS Commack 11:50 AM, and bus 43 – MD 6- HSW to C/O with Para – 10:30 were duplicate line items.

Utilizing the provided information from Half Hollow Hills Central School District along with BEB data from previous studies[2], a route analysis was performed to determine the minimum and maximum kWh usage to satisfy each route. Wendel determined the energy associated with the routes to ensure the recommended bus and battery recommendations meet the energy requirements of each route.

Calculations and Assumptions

The BEB efficiency inputs used in the analysis are shown below and are derived from BEB performance data analyzed in previous studies that Wendel conducted as referenced in the paragraph above as well as EPA recommendations.

Battery efficiencies at worst case (High Battery Usage) and best case (Low Battery Usage) were determined by applying the EPA recommended range/efficiency impacts to the Original Equipment Manufacturers (OEM) Rated Efficiencies per BEB manufacture cut sheets. It was assumed a battery would experience within 20% of OEM rated efficiency at Low Battery Usage and within 50% at High Battery Usage. Best case usage assumes little/no HVAC usage, efficient regenerative braking, and/or an outdoor air temperature around 60-70°F. Worst case usage assumes extreme cold/heat, forgetting

[2] Previous studies include CT Transit Hamden Charging Model and CT Greater Bridgeport Transit Low/No Grant which aided in the assessment of charging scenarios to lead to better informed decisions on charging infrastructure, strategies, and operations.

to precondition while charging, traffic/long stops, and/or poor regenerative braking/aggressive driving.

The resting battery usage is associated with the time when a bus is "on" while waiting for its route to begin (a resting duration of 15 minutes before routes was assumed for all buses). The resting battery usage is attributed primarily to keeping the heater on. A usage of 20 kWh/hour was utilized as an assumption based on an average BEB heater size of 20 kW.

Deadhead battery usage is assumed to be more efficient based on the weight of a full bus compared to an empty bus along with an understanding that a bus with no students on it will not be making stops.

BEB Efficiency Inputs:

	Type A	Type B	Type C	Type D	
OEM Rated Efficiency	1.12	N/A	1.58	1.94	kWh per mile
Low Battery Usage	1.55	N/A	2.18	2.68	kWh per mile
Low Deadhead Battery Usage	1.24	N/A	1.74	2.14	kWh per mile
Resting Battery Usage (Heat only)	20.00	N/A	20.00	20.00	kWh per hour
High Battery Usage	2.48	N/A	3.48	4.29	kWh per mile
High Deadhead Battery Usage	2.19	N/A	3.08	3.79	kWh per mile

Table 13 BEB Efficiency Inputs

Analysis Assumptions:

- Maximum resting time with the bus "on" is 15 minutes before routes.
- Heater energy usage is 20 kW at air temperatures below 10 Degrees Fahrenheit.
- Low battery usage represents best case usage with little/no HVAC usage at moderate OA Temperatures.
- High battery usage represents worst case usage with extreme cold/heat, traffic/ long stops.

Charging Variables	
Dead Head Miles	10%
Charging Rate Safety Factor	90%
Route Safety Factor	5%
Efficiency Safety Factor (Distance)	11%
Maximum Battery Level	90%
Anticipated Degradation	90%
Minimum Battery Level	10%

Table 14 Charging Variables

Utilizing the route data, inputs, and assumptions described in the paragraphs above, Wendel calculated the maximum kWh used for each route group with the following formula:

Maximum Energy Usage (kWh) Calculation:
*(Active Distance * High Battery Usage) + (Deadhead distance * High Deadhead Battery Usage) + (Resting Duration * Resting Battery Usage)*

The graph below represents a real-world cold weather example of a BEB in Duluth Minnesota between January 2019 and December 2021[3]. This study performed by National Renewable Energy Laboratory (NREL) exhibits a range decrease of approximately 33% at times of temperatures below 30°F. The results of this case study align with Wendel's route analysis strategy and assumptions.

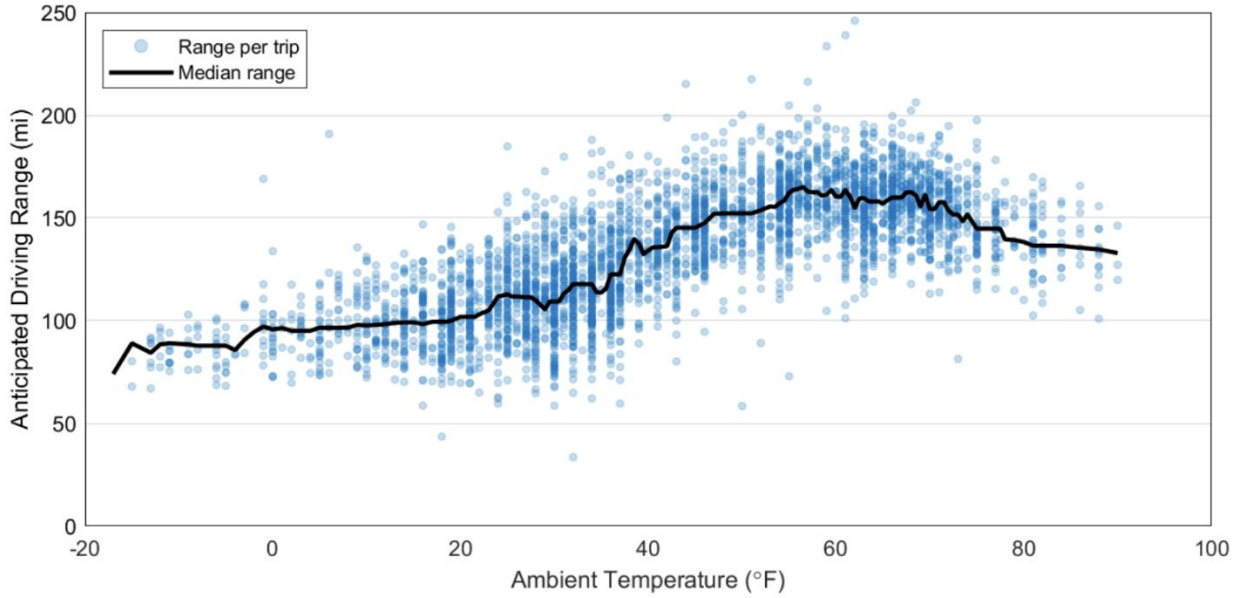


Figure 3 BEB Range in Cold Weather

Energy Requirements of Bus Routes

Wendel reviewed the route information provided by the district, a copy of the route schedule as received has been included in Appendix F - Information Received from Client. The facility advised that bus 15 should be changed to bus 17. Wendel revised routes that had overlapping start and finish times to ensure that we were not double counting the buses time on the road. After reviewing the route data received, it was noted by Half Hollow Hills that buses 65, 66, 67, and 68 were listed as Type C buses and drive midday and private school late bus routes. Buses 65, 67, and 68 were proposed as type A buses because the passenger capacity was less than 30 passengers. All private school late bus

[3] Jeffers, Matthew, Leslie Eudy, Erik Bigelow, Greg Olberding, and Amy Posner. 2022. Duluth Transit Authority Battery-Electric Bus Evaluation. Golden, CO: National Renewable Energy Laboratory. NREL/ TP-5400-83038. https://www.nrel.gov/docs/fy22osti/83038.pdf.

routes were assumed to start at 5:00 PM and were assumed to have durations between 30 minutes and 1 hour based on the distance of the route. Some of the routes received from the route schedule appeared to be duplicates, so they were removed for the analysis. For instance, bus 24 – Route MD - HSW to CVS Commack 11:50 AM, and bus 43 – MD 6- HSW to C/O with Para – 10:30 were duplicate line items. The route information was used to determine the times that buses would be departing and arriving at the bus garage where charging would take place. It was assumed that once a bus returns to the bus garage after its route, it would begin charging if it would not leave for its next route for another 30 minutes.

The route analysis utilizes the received route distances to develop the anticipated energy requirements per route and then uses those energy requirements to determines the minimum BEB battery size requirements. The analysis then determines the minimum charger size and charging durations necessary per route based on the minimum battery size requirements and the anticipated energy requirements.

The following table shows the maximum energy usage calculated by the route analysis.

Bus Number	Bus Type	Max Energy Usage (kWh)
2	Type C	115.81
8	Type C	155.56
9	Type C	101.73
10	Type C	109.09
11	Type C	142.04
12	Type C	139.40
17	Type C	125.64
18	Type C	145.37
20	Type C	148.12
21	Type C	127.14
22	Type C	119.25
24	Type C	167.19
27	Type C	196.57
28	Type C	100.76
29	Type C	138.95
30	Type C	147.46
31	Type C	122.62
32	Type C	136.79
33	Type C	126.51
34	Type C	128.95
35	Type C	103.04
36	Type C	198.03
37	Type C	99.74
41	Type C	119.08
42	Type C	117.31
43	Type C	126.39
44	Type C	125.43
45	Type C	149.80
46	Type C	139.87
47	Type C	107.90
48	Type C	126.98
49	Type C	130.80
50	Type C	113.66
51	Type C	137.54
53	Type C	151.16
54	Type C	194.26
57	Type C	80.29
58	Type C	114.05
59	Type C	114.43

Bus Number	Bus Type	Max Energy Usage (kWh)
65	Type A	30.95
66	Type C	170.75
67	Type A	66.92
68	Type A	69.49
71	Type C	144.24
73	Type C	149.80
74	Type C	122.89
76	Type C	120.97
78	Type C	149.80
93	Type C	167.86
Spare - 92	Type C	0.00
Spare – 89	Type C	0.00
Spare – 79	Type C	0.00
Spare – 72	Type C	0.00
Spare – 56	Type C	0.00
Spare – 55	Type C	0.00
Spare – 52	Type C	0.00
Spare – 40	Type C	0.00
Spare - 26	Type A	0.00
Spare - 25	Type A	0.00

Table 15 Max Energy Usage by Bus

Battery Electric Bus Selection

The recommendations in this report regarding bus battery capacities and charger sizes are based on utilizing technology that is currently available as well as manufacturers recommendations. Each school bus manufacturer has a different bus battery and charge configuration that they offer. Wendel analyzed eight manufacturers and bus types based on the existing routes to determine performance of each bus configuration.

Wendel evaluated the following list of electric buses based on their available battery sizes, vehicle to grid capabilities, and existing relationship with the district.

- Blue Bird
- BYD
- Collins
- Greenpower
- IC
- Lion
- Thomas

The district has stated that they would prefer to utilize IC buses wherever possible, though the use of other manufacturers is okay if necessary. Thus, Wendel has utilized IC as the basis of the investigation for the proposed electric buses. Since Thomas and IC buses do not offer Type A buses, Lion bus was used for the replacement of Type A buses only.

Bus Type	Manufacturer	Model	kWh	OEM rated Range (miles)	Seats
Type C	IC	IC eCE	210	135	78
Type C	IC	IC eCE	315	200	78
Type A	Lion	Lion A	168	150	24

Table 16 BEB models and OEM rated ranges as of this report date

The route analysis utilizes the received route distances to develop the anticipated energy requirements per route and then uses those energy requirements to determines the minimum BEB battery size requirements. The following table shows the minimum bus size required based on the maximum energy usage calculated by the route analysis.

Bus Number	Bus Type	Max Energy Usage (kWh)	Minimum Bus Size based on Max Energy Usage (kWh)	Minimum Bus Size Available Based on Current Manufacturers	Proposed Bus Size and Type Based on District Preferences
2	Type C	115.81	161	210 kWh - IC	210 kWh - IC
8	Type C	155.56	216	315 kWh - IC	315 kWh - IC
9	Type C	101.73	141	155 kWh - Bluebird	210 kWh - IC
10	Type C	109.09	152	155 kWh - Bluebird	210 kWh - IC
11	Type C	142.04	197	210 kWh - IC	210 kWh - IC
12	Type C	139.40	194	210 kWh - IC	210 kWh - IC
17	Type C	125.64	174	210 kWh - IC	210 kWh - IC
18	Type C	145.37	202	210 kWh - IC	210 kWh - IC
20	Type C	148.12	206	210 kWh - IC	210 kWh - IC
21	Type C	127.14	177	210 kWh - IC	210 kWh - IC
22	Type C	119.25	166	210 kWh - IC	210 kWh - IC
24	Type C	167.19	232	315 kWh - IC	315 kWh - IC
27	Type C	196.57	273	315 kWh - IC	315 kWh - IC
28	Type C	100.76	140	155 kWh - Bluebird	210 kWh - IC
29	Type C	138.95	193	210 kWh - IC	210 kWh - IC
30	Type C	147.46	205	210 kWh - IC	210 kWh - IC
31	Type C	122.62	170	210 kWh - IC	210 kWh - IC
32	Type C	136.79	190	210 kWh - IC	210 kWh - IC
33	Type C	126.51	176	210 kWh - IC	210 kWh - IC
34	Type C	128.95	179	210 kWh - IC	210 kWh - IC
35	Type C	103.04	143	155 kWh - Bluebird	210 kWh - IC
36	Type C	198.03	275	315 kWh - IC	315 kWh - IC
37	Type C	99.74	139	155 kWh - Bluebird	210 kWh - IC
41	Type C	119.08	165	210 kWh - IC	210 kWh - IC
42	Type C	117.31	163	210 kWh - IC	210 kWh - IC
43	Type C	126.39	176	210 kWh - IC	210 kWh - IC
44	Type C	125.43	174	210 kWh - IC	210 kWh - IC
45	Type C	149.80	208	210 kWh - IC	210 kWh - IC
46	Type C	139.87	194	210 kWh - IC	210 kWh - IC
47	Type C	107.90	150	155 kWh - Bluebird	210 kWh - IC
48	Type C	126.98	176	210 kWh - IC	210 kWh - IC
49	Type C	130.80	182	210 kWh - IC	210 kWh - IC
50	Type C	113.66	158	210 kWh - IC	210 kWh - IC

Bus Number	Bus Type	Max Energy Usage (kWh)	Minimum Bus Size based on Max Energy Usage (kWh)	Minimum Bus Size Available Based on Current Manufacturers	Proposed Bus Size and Type Based on District Preferences
51	Type C	137.54	191	210 kWh - IC	210 kWh - IC
53	Type C	151.16	210	210 kWh - IC	210 kWh - IC
54	Type C	194.26	270	315 kWh - IC	315 kWh - IC
57	Type C	80.29	112	155 kWh - Bluebird	210 kWh - IC
58	Type C	114.05	158	210 kWh - IC	210 kWh - IC
59	Type C	114.43	159	210 kWh - IC	210 kWh - IC
66	Type C	170.75	237	315 kWh - IC	315 kWh - IC
71	Type C	144.24	200	210 kWh - IC	210 kWh - IC
73	Type C	149.80	208	210 kWh - IC	210 kWh - IC
74	Type C	122.89	171	210 kWh - IC	210 kWh - IC
76	Type C	120.97	168	210 kWh - IC	210 kWh - IC
78	Type C	149.80	208	210 kWh - IC	210 kWh - IC
93	Type C	167.86	233	315 kWh - IC	315 kWh - IC
Spare - 92	Type C	0.00	0	155 kWh - Bluebird	210 kWh - IC
Spare - 89	Type C	0.00	0	155 kWh - Bluebird	210 kWh - IC
Spare - 79	Type C	0.00	0	155 kWh - Bluebird	210 kWh - IC
Spare - 72	Type C	0.00	0	155 kWh - Bluebird	210 kWh - IC
Spare - 56	Type C	0.00	0	155 kWh - Bluebird	210 kWh - IC
Spare - 55	Type C	0.00	0	155 kWh - Bluebird	210 kWh - IC
Spare - 52	Type C	0.00	0	155 kWh - Bluebird	315 kWh - IC
Spare - 40	Type C	0.00	0	155 kWh - Bluebird	315 kWh - IC

Table 17 Minimum Bus Size Required by Bus

Proposed Bus Size Based on Preferred Manufacturer	Bus Type	Route Buses	Spare Buses	Total Proposed Buses
168 kWh - Lion	Type A	3	2	5
210 kWh - IC	Type C	39	6	45
315 kWh - IC	Type C	7	2	9
		49	10	59

Table 18 Proposed Bus Battery Sizes Summary

The route analysis shows that the maximum energy usage of any one route would be 198 kWh which was associated with a Type C – 315 kWh bus. Among the routes for the (59) buses examined, it was determined that all the routes for the buses worked.

The analysis shows that the maximum energy usage per route within current battery capacity constraints is 198 kWh which, according to the district preferred manufacturer, would require a 315 kW BEB. The anticipated energy usage for each route can be found in the attached spreadsheet.

Extracurricular Trips

Extracurricular bus runs such as field trips and sports trips were not included in the route analysis due to the unpredictable nature of these trips. For example, the buses that perform these trips vary as well as the start and end times of the trips and the mileage associated with them. It is recommended that the district should first determine the total mileage of each trip and use the below table to determine whether their proposed electric buses will be able to complete the trips. The ranges listed assumes the buses are fully charged to their recommended capacity (90%).

These ranges were calculated using the specific OEM rated efficiency (as of the date of this report) plus Wendel's efficiency safety factors which can be found in the Calculations and Assumptions section. It should be noted that unlike the student pick up / drop off routes, the buses performing sports and field trips would have the ability to charge at either another school (assuming they have spare chargers) or public charging stations during the sporting / field trip event itself which can increase this range. The amount of additional range provided by these public charging stations would depend on the charger itself and cannot be estimated by Wendel.

Bus Type	Bus Size and Manufacturer	Calculated Range at High Energy Usage (miles)	Calculated Range at Low Energy Usage (miles)
Type A	168 kWh - Lion	44	71
Type C	315 kWh - IC	61	94
Type C	210 kWh - IC	40	63

Table 19 Allowable Range by Bus Size

Based on the mileage of the athletic trips provided by the district, 94% of the trips could be performed by the proposed BEB buses. Based on the mileage of the field trips provided by the district, 85% of the trips could be performed by the proposed BEB buses. Both percentages are based on the calculated ranges at high energy usage seen in table above, which represent worst-case conditions.

See below table summarizing the feasibility of using the proposed battery electric school buses to drive sports trips and field trips for Half Hollow Central School District.

Trip Type	Total Number of Trips Received	Number of trips not feasible by BEBs being proposed by this study	Percent of trips not feasible by BEBs being proposed by this study
Athletic Trips	1147	68	6%
Field Trips	876	128	15%

Table 20 Extracurricular Trips Feasibility Summary

Charging Requirements

Five charger sizes were reviewed and include a 24 kW DC charger, 60 kW DC charger (fast charger), 120 kW DC charger (fast charger), 180 kW DC charger (fast charger), and a 360 kW DC charger (fast charger). Charger recommendations are based on utilizing one charger per route bus to remain conservative. The district may choose to utilize higher kW chargers of at least twice the recommended size which would allow for the charging of two school buses per charger. This would decrease installation and overall charger costs. Another advantage of this approach would be if only one school bus is utilizing the two-port charger at any time, that bus's required charging time would decrease as it would be able to take advantage of the full charger output.

Based on the route analysis, the proposed charging duration between AM and PM routes ranges from 50 minutes to 4 hours and 43 minutes. The largest charger size proposed is 120 kW. The charging durations for each route can be found in the attached spreadsheet. Wendel has determined that the routes the district has provided will require (7) 120 kW chargers, (32) 60 kW chargers, and (16) 24 kW chargers. Of the proposed chargers (2) of the 24 kW chargers and (4) of the 120 kW are for spare buses. The (4) 120 kW spare chargers are proposed to be used as a 2:1. It is assumed that spare buses are used only to replace out of service route buses or for field trips and sports trips. The specific charger sizes and durations needed to charge by charger size can be found below for each of the (6) route buses.

Charger Size	Route Bus Chargers	Spare Bus Chargers	Total Proposed Chargers
24 kW	14	2	16
60 kW	32	0	32
120 kW	3	4	7
	49	6	55

Table 21 Proposed Charger Quantities

These proposed charger sizes are based on selecting the smallest size charger needed out of the five charger sizes reviewed (24 kW, 60 kW, 120 kW, 180 kW, and 360 kW). It is recommended that the district look into limiting the number of different chargers sized to ease operations and ordering. Charger sizes procured that vary from the Required Charging Size should be greater in kW.

Section 5 Conceptual Charging Strategy

CONCEPTUAL CHARGING STRATEGY

Wendel developed a conceptual charging strategy for the fleet based on the bus route data collected and the route analyses developed in previous tasks. The goal of the conceptual charging strategy is to determine the smallest available battery size that meets the district's route needs and the associated electrical impact. The charging strategy identified the following items:

- Optimum charger size – assuming a 1 to 1 charger to dispenser configuration
- Anticipated peak demand
- Number, types, and sizes of chargers required to charge the fleet in the allotted time frames – assuming a battery degradation of 10%, a lower limit of 10% state of charge, and an upper limit of 90% state of charge. This is illustrated in the graphic below.

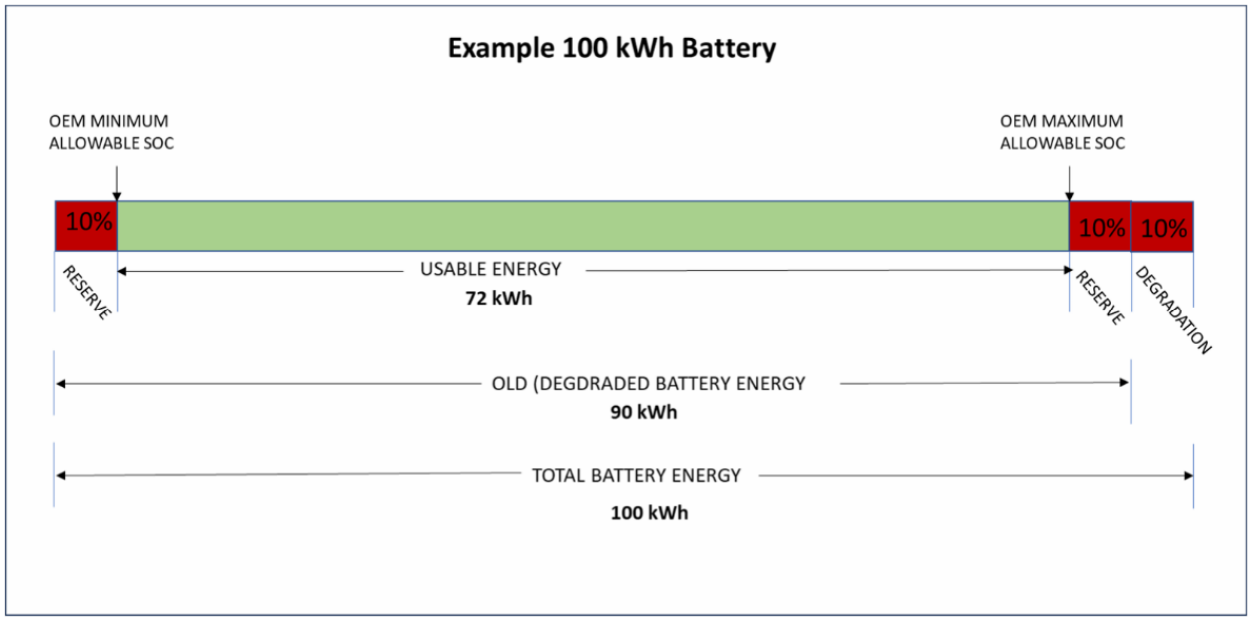


Figure 4 Illustration of Usable Battery

Charging Model Development Process:

An overview of the process Wendel utilized for the charging strategy modeling process is shown below:

Step 1 Analyze the route data and organize the data into numerical values that represent the times at which each bus that serves the associated route would depart and arrive at Half Hollow Central School District for a standard week.

Step 2 Develop a model reflecting when all (280) route buses **arrive and depart** Half Hollow Central School District over a winter month with an additional 15 minutes added to route durations

representing the time after the bus is removed from the charger and before it leaves to begin each route.

Step 3 Develop a model reflecting bus **charge hours** for each hour of a 1-month period. This shows how many hours the bus has left to charge at any hour.

Step 4 Develop a weekly model reflecting the **battery state of charge** throughout the month. The 1-month period utilizes TMY3 (typical meteorological year) weather data based on region 1 for January – which is considered the coldest month of the year in NYS to simulate a representative year's coldest month.

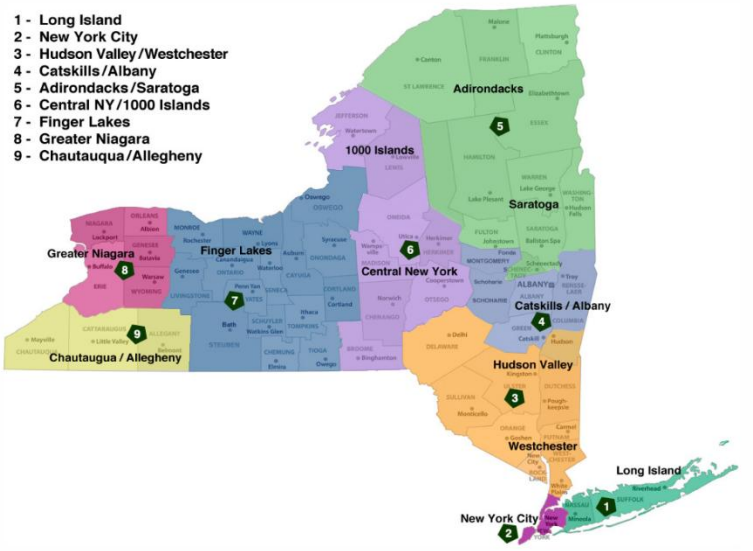


Figure 5 NYS Weather Regions

Step 5 Develop a 1-month model utilizing the state of charge model to reflect the charging of the battery throughout the week. This model shows the charging **impact on the battery** each hour throughout the 1-month period.

Step 6 Develop a 1-month model utilizing the impact on battery model to reflect the **impact on the facility (Facility Demand)** while charging. This model utilized an assumed charging efficiency to convert the impact on the battery to the actual impact on Half Hollow Central School District usage.

Battery Electric Bus Requirements

As stated by Half Hollow Central School District all routes provided by the district are driven by (49) buses (Route Buses). The district also has (10) additional buses that are used as spares (Spare Buses) for a total fleet of (59) district buses. Using the route information provided and energy usage rates calculated in the route analysis, Wendel performed a charging analysis of all district owned buses (excluding spare buses). This information can be found in the section below titled Basis of Design.

The charging analysis consisted of modeling battery life at each hour throughout the month of January to model conditions during the coldest month on average. This was done as low temperatures have been shown to impact the efficiency of BEB batteries negatively. These models also determined the amount of charge delivered to the bus batteries for each hour throughout the month and the amount of charge delivered from the district for each hour throughout the month.

From these models, Wendel was able to confirm the quantity and sizes of buses required, assuming all buses would remain the same Type (Type A, Type C, etc.). Wendel utilized Lion and IC buses as the basis of the investigation for the proposed electric buses per the district's request.

Charger Requirements

The charging strategy focuses on charging for long periods of time at low charging speeds. The model shows the batteries' charging rate based on the duration of time to charge. The maximum single bus charging rate for any hour throughout the winter month was modeled to be 73 kW. A breakdown of the charging requirements is shown below:

- 0 Buses require between 120 kW and 180 kW of charge
- 0 Buses require between 100 kW and 120 kW of charge
- 0 Buses require between 80 kW and 100 kW of charge
- 1 Buses require between 60 kW and 80 kW of charge
- 6 Buses require between 40 kW and 60 kW of charge
- 4 Buses require between 20 kW and 40 kW of charge
- 38 Buses require less than 20 kW of charge

The breakdown above shows the variety of chargers that could be utilized by Half Hollow Hills Central School District to charge their school bus fleet. Wendel only used three charger sizes to reduce the operational impact on the school district when transitioning to BEBs.

Basis of Design

To provide a complete demand profile for all buses, the charging model assumes that the battery capacities needed for routes that are currently too long will become available in the future and that the largest charger size needed for that bus size would be used. Buses with route distances or charging requirements that are not feasible were excluded from this study. For this analysis, it was assumed that the maximum number of buses charging during peak time (mid-day) is (49) buses, this does not include the spare buses or the buses excluded. This approach assumes that spare buses would be charged outside of mid-day peak hours.

The below information calculated during the route analysis was used as the basis for the conceptual charging strategy model.

Bus	Bus Size (kWh)	Charger Size (kW)	Max AM Usage Rate (kWh / hr)	Max PM Usage Rate (kWh / hr)	Max PM2 Usage Rate (kWh / hr)	PM Route Usage (kWh)	PM2 Route Usage (kWh)
2	210	60	33.09	45.15	0.00	112.12	0.00
8	315	24	21.62	53.64	0.00	155.56	0.00
9	210	24	25.19	36.77	0.00	101.73	0.00
10	210	24	33.57	41.62	0.00	100.58	0.00
11	210	60	37.60	43.93	0.00	142.04	0.00
12	210	60	36.37	30.37	40.93	48.08	113.91
17	210	24	34.27	37.53	0.00	101.97	0.00
18	210	60	39.47	42.74	0.00	127.51	0.00
20	210	60	35.26	45.81	0.00	148.12	0.00
21	210	24	34.83	36.66	0.00	100.22	0.00
22	210	60	40.49	52.98	43.10	36.20	119.25
24	315	60	27.12	33.55	0.00	167.19	0.00
27	315	60	30.25	35.52	0.00	196.57	0.00
28	210	24	28.00	39.78	0.00	100.76	0.00
29	210	60	31.72	46.74	111.16	74.79	138.95
30	210	120	41.43	77.47	46.08	142.04	147.46
31	210	60	32.73	37.92	0.00	122.62	0.00
32	210	60	33.61	42.31	0.00	136.79	0.00
33	210	60	37.39	44.62	0.00	122.69	0.00
34	210	60	30.99	44.21	0.00	128.95	0.00
35	210	24	26.54	39.63	0.00	103.04	0.00
36	315	60	26.23	42.59	0.00	198.03	0.00
37	210	24	27.60	36.94	0.00	99.74	0.00
41	210	60	33.70	39.75	0.00	109.30	0.00
42	210	60	34.85	41.15	0.00	107.00	0.00
43	210	60	24.38	31.81	0.00	85.36	0.00
44	210	60	35.17	43.73	0.00	123.89	0.00
45	210	60	41.24	41.59	119.84	71.40	149.80
46	210	120	31.75	83.92	41.60	139.87	136.57
47	210	60	29.52	40.21	0.00	107.90	0.00
48	210	60	33.71	43.67	0.00	117.19	0.00
49	210	120	38.47	65.06	44.45	108.43	125.20
50	210	60	40.19	50.28	113.66	71.23	113.66
51	210	60	32.82	49.42	0.00	137.54	0.00
53	210	60	50.11	36.34	0.00	104.16	0.00
54	315	60	23.24	30.59	0.00	194.26	0.00

Bus	Bus Size (kWh)	Charger Size (kW)	Max AM Usage Rate (kWh / hr)	Max PM Usage Rate (kWh / hr)	Max PM2 Usage Rate (kWh / hr)	PM Route Usage (kWh)	PM2 Route Usage (kWh)
57	210	60	24.45	42.73	30.23	71.21	72.55
58	210	24	33.22	31.14	0.00	83.03	0.00
59	210	24	29.38	39.01	0.00	114.43	0.00
65	168	24	41.26	0	0.00	0.00	0.00
66	315	24	52.54	74.45	0.00	55.84	0.00
67	168	24	66.92	0	0.00	0.00	0.00
68	168	24	69.49	0	0.00	0.00	0.00
71	210	60	37.35	48.89	0.00	144.24	0.00
73	210	60	42.10	41.17	119.84	63.82	149.80
74	210	60	34.46	41.60	0.00	110.93	0.00
76	210	60	31.75	39.66	0.00	120.97	0.00
78	210	60	35.99	37.81	119.84	63.64	149.80
93	315	60	43.15	134.29	0.00	167.86	0.00
Spare - 92	210	0	-	-	0	0.00	0.00
Spare - 89	210	0	-	-	0	0.00	0.00
Spare - 79	210	120	-	-	0	0.00	0.00
Spare - 72	210	0	-	-	0	0.00	0.00
Spare - 56	210	120	-	-	0	0.00	0.00
Spare - 55	210	0	-	-	0	0.00	0.00
Spare - 52	315	120	-	-	0	0.00	0.00
Spare - 40	315	0	-	-	0	0.00	0.00
Spare - 26	168	24	-	-	0	0.00	0.00
Spare - 25	168	24	-	-	0	0.00	0.00

Table 22 Charging Strategy Inputs

State of Charge

Wendel assumed a battery degradation of 10%, a lower limit of 10% state of charge, and an upper limit of 90% state of charge. A weekly model reflecting the **battery state of charge** throughout the 5 weeks was completed based on these assumptions. The following figure shows an example of ten buses state of charge throughout the date during a 5 week winter period.

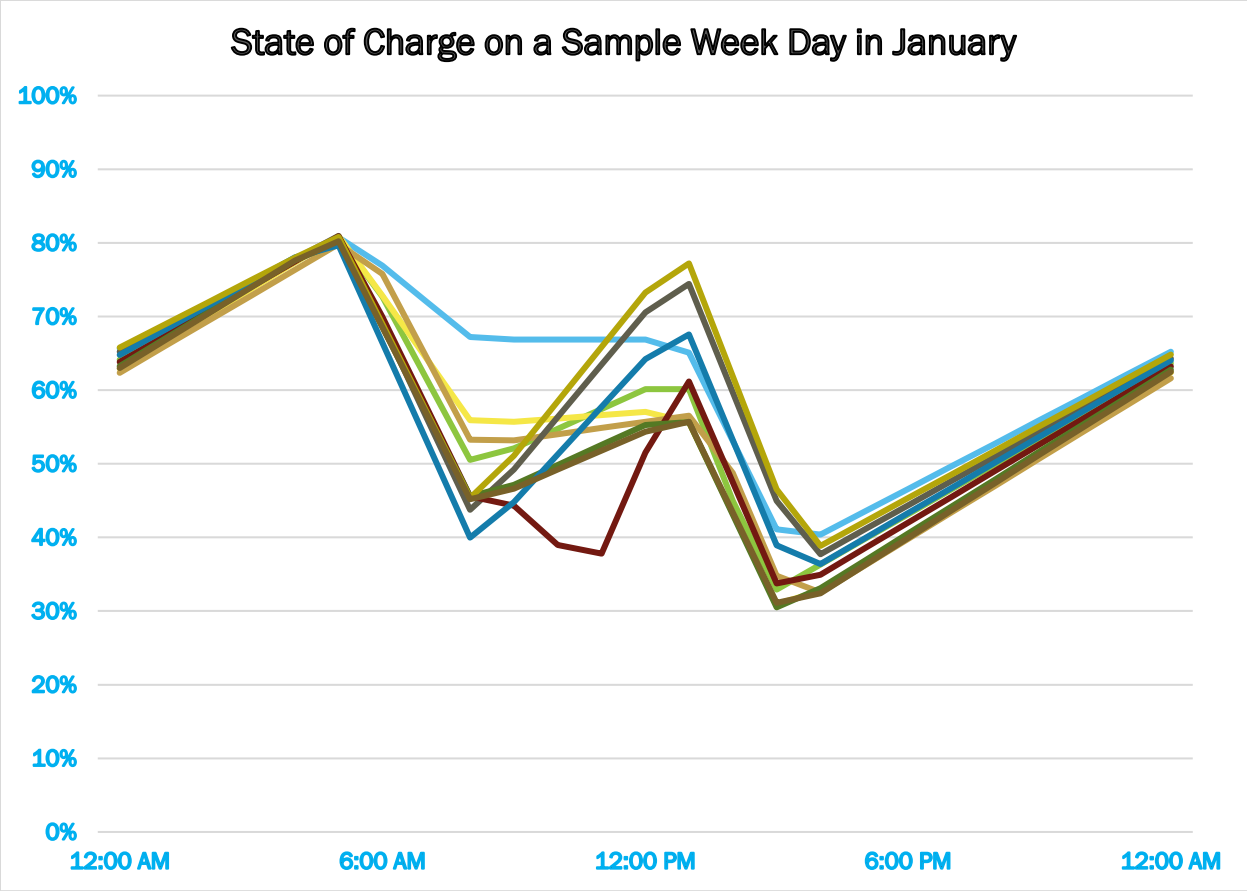


Figure 6 State of Charge on Sample Week Day

Demand Impact

Demand is the power drawn from the utility at any one point in time, measured in kW. Peak demand is the maximum demand required from the utility, during the utilities peak demand period, over a one-month period and is also measured in kW. The peak demand is the cumulative demand of all loads connected to the utility transformer.

Not all buses will need a maximum charge rate from the charger to reach a full charge in the available time frame. Charging a bus at a reduced charge rate increases the life of the battery and reduces overall demand on the utility system. Demand reduction is evaluating the state of charge when the bus arrives back at the garage and determining the minimum charge level required to charge the bus in the allotted time, to ensure the bus is adequately charged when it needs to begin a new route. A charge management system should implement demand reduction, further details can be found in the Charge Management section below. If demand reduction is implemented in every bus in the fleet, the overall utility demand will be greatly reduced, reducing utility demand charges, and extending the life

of the batteries. A model of what this might look like in terms of daily demand for Half Hollow Hills Central School District can be seen below.

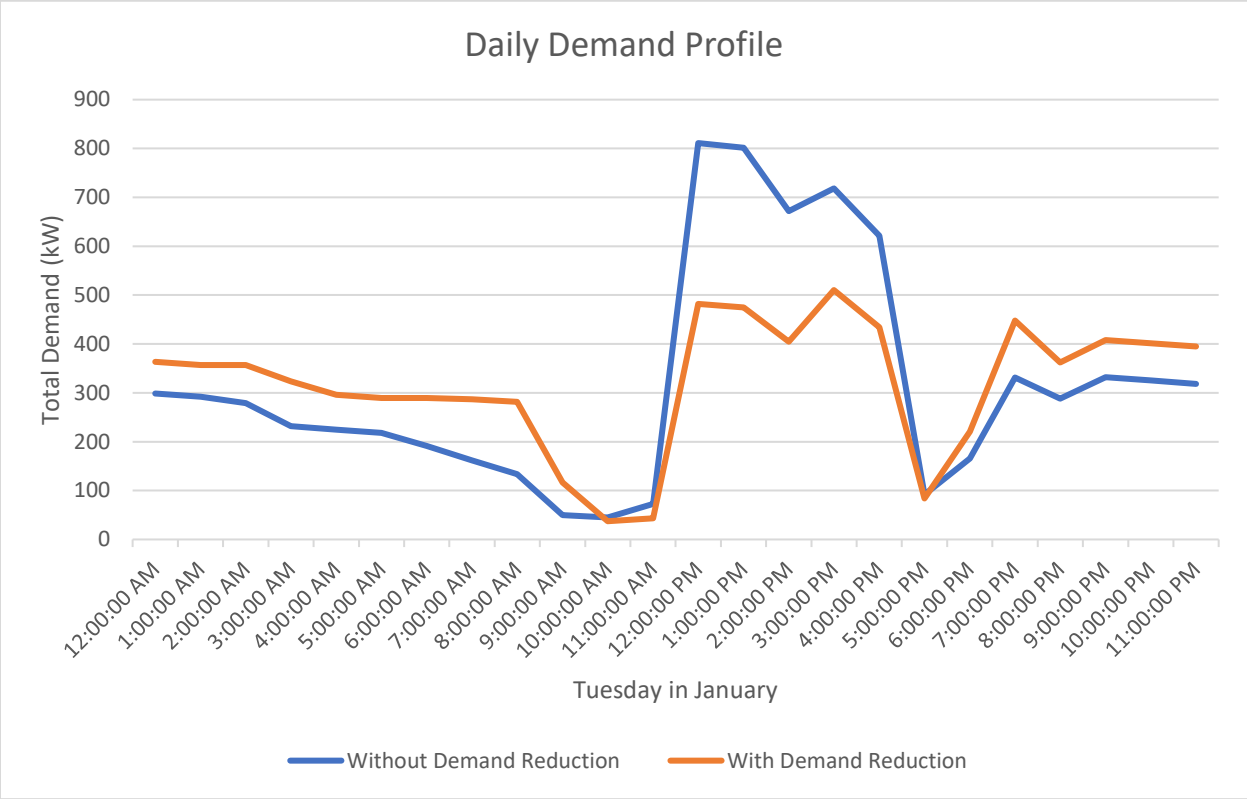


Figure 7 Daily Demand Profile at Maximum Peak Demand

**This demand profile represents the maximum daily demand based on the charging model. Demand Peaks fluctuate per day and may be lower than the above.*

The maximum combined bus electrical demand when all (59) route buses are converted to BEBs during a winter month was calculated to be 611.1 kW which occurs between 12 PM and 1 PM on Tuesdays. Before the demand reduction strategy was implemented, the peak demand was 904.5 kW which would occur at 9 AM and 10 AM on Tuesdays.

Based on the state of charge when the buses arrive back at the garage and the minimum charge level required to charge the bus in between AM and PM routes, Wendel modeled how demand reduction strategies would impact the district's proposed demand profile if implemented. It was determined that the implementation of this demand reduction strategy could yield savings of 293.3 kW of peak daily demand or 32%, resulting in utility cost savings. This highlights the importance of implementing a charge controller optimization strategy or a charge management system.

Before Demand Reduction		
Maximum combined bus electrical demand	904.5	kW
Day of Week Max Demand Occurs	Tuesday	
Time Max Demand Occurs Between	9:00 AM	10:00 AM
After Demand Reduction		
Maximum combined bus electrical demand	611.1	kW
Day of Week Max Demand Occurs	Tuesday	
Time Max Demand Occurs Between	12:00 PM	1:00 PM
Savings		
Demand Reduction	293.3	kW
Percent Demand Reduction	32%	

Table 23 Demand Summary

The overall demand profiles below show the projected impact for each hour over a five-week period. The goal is to flatten demand as much as possible, especially during peak hours. A graph showing the demand profile over a sample week in January is shown below:

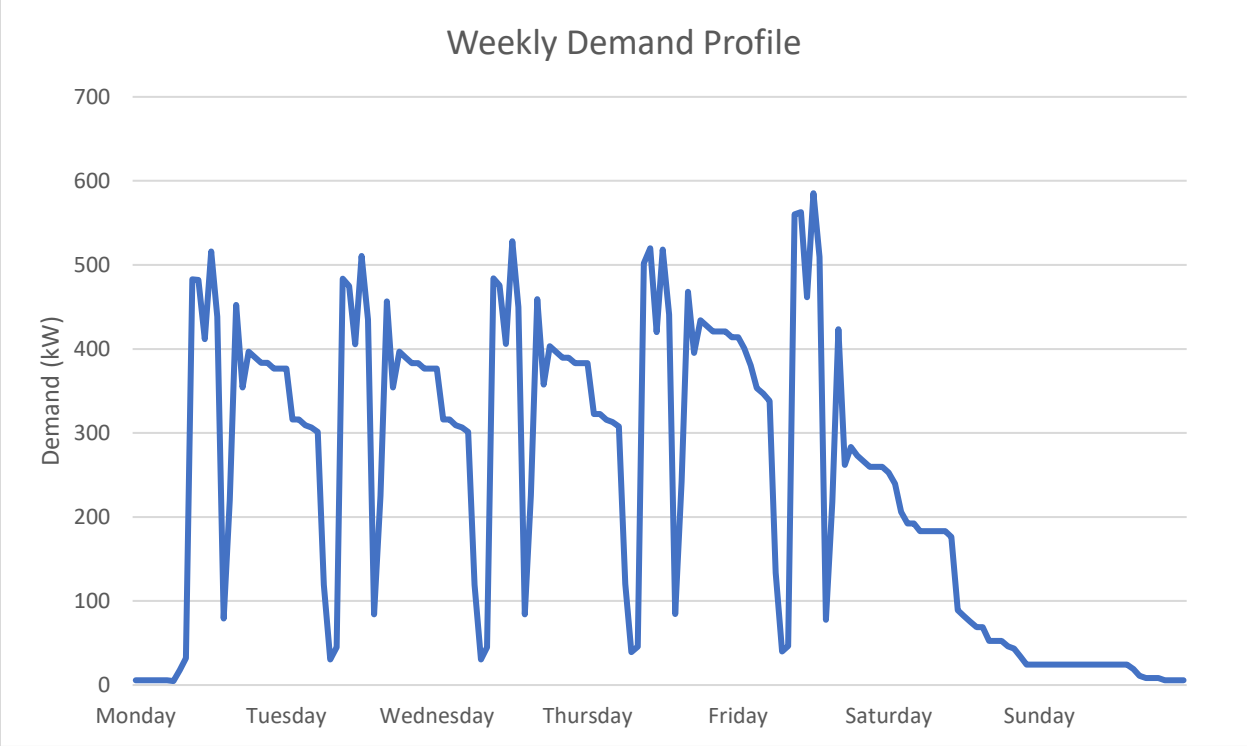


Figure 8 Weekly Demand Profile

**Includes Demand Reduction Strategies being implemented*

Charge Management

Charge management[4] is an essential part of a successful BEB transition plan. Charge management will manage charging operations and energy management. An ideal charging strategy focuses on charging for long periods of time at low charging speeds while ensuring the buses are sufficiently charged to complete their routes. Lower charging rates help to keep a more consistent demand profile, a lower peak demand and extend battery life. Additional strategies like "on" and "off" peak charging can be added to the charging strategy as well to minimize the cost impact on the district.

A charge management system is a software system that provides real time demand reduction analysis and automatically manages the fleet of chargers based on each of the bus's needs. Charge management systems utilize bus telemetric data, route data, and battery data to perform their analysis. Today's systems can limit the overall utility demand to preset limits, based on the power distribution systems designed for charging.

Charge management systems are available through independent third-party suppliers, such as Mobility House, SYNOP, and BP Pulse. Some bus manufacturers also sell charge management systems.

Wendel strongly recommends implementing a charge management system for managing charging operations and energy management. An optimized charge management system which includes demand reduction strategies will also minimize the need for utility side infrastructure upgrades and facility electrical infrastructure upgrades. A peak demand reduction has been incorporated into the analyses and results of this study which mimics an optimized charge management system.

Alternatives

Charging Ports

Wendel's basis of design utilized a 1:1 ratio of chargers to buses, primarily for operational efficiency and flexibility. An alternative to the base charging strategy would be to utilize 2:1 charging for applicable buses. The district may choose to utilize higher kW chargers of at least twice the recommended size which would allow for the charging of two school buses per charger. This would decrease the number of chargers required and associated overall costs. Some disadvantages of utilizing a 2:1 charging strategy are that charger failures affect two buses instead of one and the operational challenges of specific buses to be parked in specific spots for charging. It is also important to note that many 2:1 chargers require both buses to be charged at the same rate simultaneously.

Limiting Unique Bus Models and Charger Sizes

The recommended bus models are based on the smallest available sizes that meet the requirements determined by the route analysis and charging strategy. Though the district's preferred manufacturer is used as the basis of design, if the preferred manufacturer does not offer a bus with the necessary battery size and a different manufacturer does, that manufacturer's bus model is recommended. For

[4] Charge Management System – end to end software solution to manage EV charging operations & energy management.

example, Half Hollow Hills Central School District's current preferred manufacturer is IC, however IC does not offer Type A Buses, so Lion buses were specified for Type A buses.

Many manufacturers have a limited number of battery sizes available today which will likely change as technology becomes more readily available. It is recommended that the district try to limit the number of different manufacturers / models in their fleet to ease operations and ordering. This may be done by waiting for IC to come out with a Type A bus and by selecting the largest proposed BEB sizes for each bus type instead of the smallest available size proposed in this study. Choosing a larger bus size may increase bus costs and increase peak demand. This should be taken into consideration during design.

Proposed charger sizes are based on selecting the smallest size charger needed out of the five charger sizes reviewed (24 kW, 60 kW, 120 kW, 180 kW, and 360 kW). It is recommended that the district investigate limiting the number of different charger sizes to ease operations and ordering. Charger sizes procured that vary from the Proposed Charger Size should be greater in kW than proposed.

Selecting a Bus varying from Proposed Bus Size

It is recommended that the district utilize the *Table 24 Bus and Charger* Selection Criteria table below when procuring their BEBs and to try to limit the number of different manufacturers / models in their fleet to ease operations and ordering. Buses procured that vary from the Proposed Bus Size and Type Based on Preferred Manufacturer should meet the following criteria:

1. Be greater in kWh than the Minimum Bus Size column below
2. Have an OEM rated efficiency less than or equal to the Maximum OEM Rated Efficiency column below. This is equivalent to the Bus size in kWh divided by the OEM stated range in miles.
3. Be able to accept a charge equal to or greater than the Minimum Charger Size column below

Bus Number	Bus Type	Minimum Bus Size based on Maximum Energy Usage (kWh)	Maximum Charger Size Needed	Maximum OEM Rated Efficiency
2	Type C	161	26 kW	1.58
8	Type C	216	22 kW	1.58
9	Type C	141	21 kW	1.58
10	Type C	152	21 kW	1.58
11	Type C	197	31 kW	1.58
12	Type C	194	60 kW	1.58
17	Type C	174	24 kW	1.58
18	Type C	202	30 kW	1.58
20	Type C	206	30 kW	1.58
21	Type C	177	23 kW	1.58
22	Type C	166	45 kW	1.58
24	Type C	232	41 kW	1.58
27	Type C	273	44 kW	1.58
28	Type C	140	24 kW	1.58
29	Type C	193	45 kW	1.58

Bus Number	Bus Type	Minimum Bus Size based on Maximum Energy Usage (kWh)	Maximum Charger Size Needed	Maximum OEM Rated Efficiency
30	Type C	205	120 kW	1.58
31	Type C	170	27 kW	1.58
32	Type C	190	26 kW	1.58
33	Type C	176	29 kW	1.58
34	Type C	179	24 kW	1.58
35	Type C	143	19 kW	1.58
36	Type C	275	31 kW	1.58
37	Type C	139	22 kW	1.58
41	Type C	165	25 kW	1.58
42	Type C	163	25 kW	1.58
43	Type C	176	28 kW	1.58
44	Type C	174	29 kW	1.58
45	Type C	208	60 kW	1.58
46	Type C	194	120 kW	1.58
47	Type C	150	25 kW	1.58
48	Type C	176	27 kW	1.58
49	Type C	182	120 kW	1.58
50	Type C	158	60 kW	1.58
51	Type C	191	29 kW	1.58
53	Type C	210	24 kW	1.58
54	Type C	270	49 kW	1.58
57	Type C	112	60 kW	1.58
58	Type C	158	19 kW	1.58
59	Type C	159	21 kW	1.58
65	Type A	43	3 kW	1.12
66	Type C	237	20 kW	1.58
67	Type A	93	6 kW	1.12
68	Type A	97	6 kW	1.12
71	Type C	200	30 kW	1.58
73	Type C	208	45 kW	1.58
74	Type C	171	26 kW	1.58
76	Type C	168	27 kW	1.58
78	Type C	208	45 kW	1.58

Table 24 Bus and Charger Selection Criteria

Section 6 Electric Utility Analysis

ELECTRIC UTILITY ANALYSIS

Wendel has engaged with the District's electric utility provider, PSEG, to get a better understanding of the utility's ability to provide the required power for the proposed transition to a BEB fleet. Wendel has provided PSEG with the proposed future load information the district will incur once the BEBs are implemented. Based on the developed energy requirements and charging strategy, Wendel has worked with the PSEG to determine options for obtaining power.

The utility has provided information regarding their availability to supply the required power and preferred utility power interface such as:

- Provide a new service for just the bus charging requirements and reliability of the bus charging service feed.

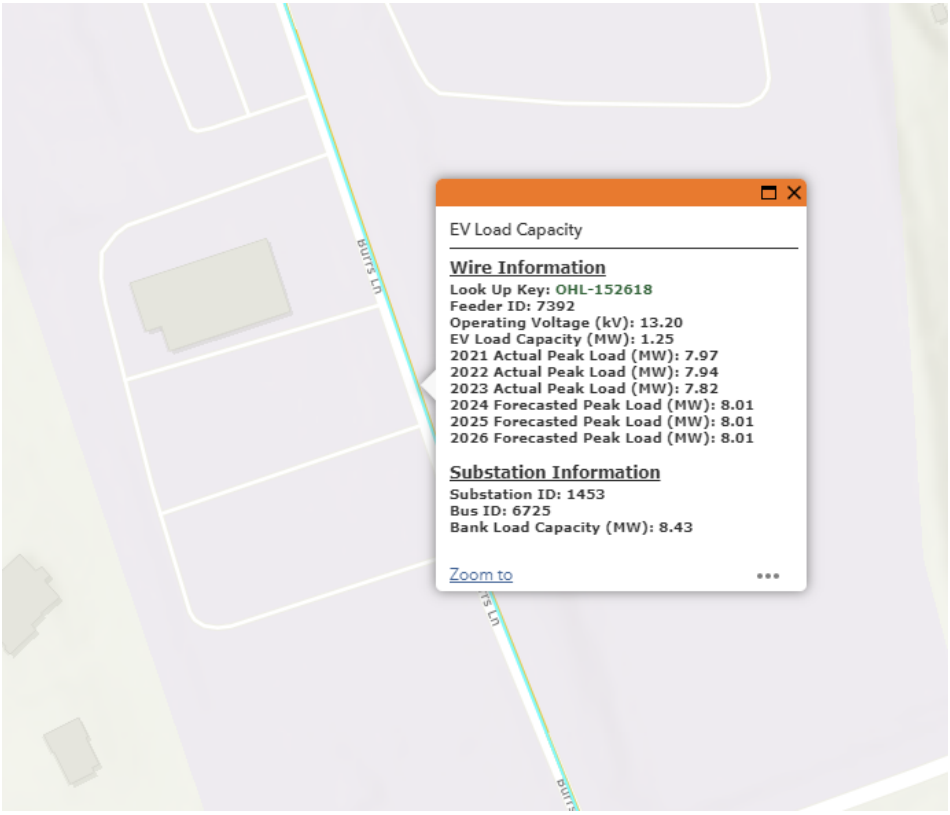


Figure 9 PSEG Hosting Capacity Maps EV Load Capacity Info for Half Hollow Hills Transportation Center

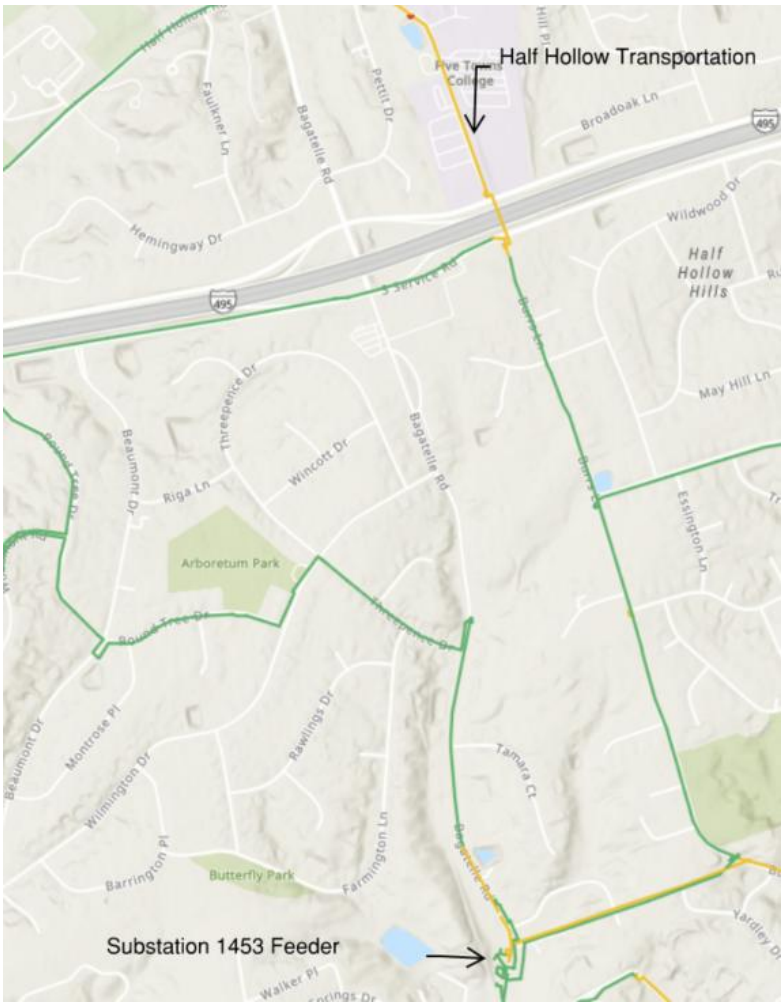


Figure 10 PSEG Hosting Capacity Maps Half Hollow Hills Overview

Utilizing the PSEG online electrification map, it appears that the utility will be able to supply the required power for bus charging from substation 1453. The 13.2kV Feeder 7392 is listed as having 1.25MVA available EV capacity. This means a feeder upgrade from the substation would likely not be required.

The reliability of the bus charging service feed is determined by how the service is fed, if there is a loop, and if the utility can provide power from another feed in the event the service is out on the main feed to the site.

Wendel has also coordinated with the utility to determine what the overall costs of the utility upgrades would be and what portion of those costs would be borne by the school district and its stakeholders. The district would be responsible for the additional transformer and building a three-phase riser which the utility estimates at approximately $44,069. PSEG Make Ready Program will cover 100% of the $44,069 to add additional service.

Section 7 Concept Development & Phasing Plan

CONCEPT DEVELOPMENT & PHASING PLAN

The concept development and phasing plan is the culmination of the previous tasks in the study. The phasing plan incorporates several components and include:

1. Deadlines issued as part of the state mandate including:
    a. By July 1, 2027, all new school buses purchased and or leased must be zero-emission
    b. By July 1, 2035, all school buses on the road must be zero-emission
2. Half Hollow Hills Central School District preferred BEB procurement schedule
3. On-site electrical distribution/charger equipment procurement and construction lead times
4. Utility service upgrade equipment and construction lead times
5. Availability of capital funding including state aid, school capital programs and grant funds

Bus Procurement Schedule

Half Hollow Hills Central School District currently has (59) school buses in their fleet. A sample of the projected battery electric school bus (BEB) procurement schedule for Half Hollow Hills Central School District can be found on the following page. The full procurement schedule can be found in Appendix B - Deliverables.

Bus Number / Name	Proposed New Bus Size	Proposed New Charger Size	Year Bus Procured (age)	Estimated Bus Replacement Year (Replacement Cycle)	Proposed Conversion Year
2	210	60	2010	2024	2035
8	315	24	2010	2024	2035
9	210	24	2019	2033	2030
10	210	24	2019	2033	2030
11	210	60	2019	2033	2030
12	210	60	2019	2033	2030
17	210	24	2009	2024	2035
18	210	60	2010	2024	2035
20	210	60	2011	2025	2027
21	210	24	2009	2024	2035
22	210	60	2012	2026	2027
24	315	60	2012	2026	2027
27	315	60	2013	2027	2028
28	210	24	2023	2037	2033
29	210	60	2023	2037	2033
30	210	120	2023	2037	2033
31	210	60	2023	2037	2033
32	210	60	2014	2028	2028
33	210	60	2013	2027	2028
34	210	60	2013	2027	2028
35	210	24	2015	2029	2028
36	315	60	2015	2029	2028
37	210	24	2015	2029	2029
41	210	60	2015	2029	2029
42	210	60	2016	2030	2029
43	210	60	2016	2030	2029
44	210	60	2016	2030	2029
45	210	60	2016	2030	2029
46	210	120	2020	2034	2031
47	210	60	2020	2034	2031
48	210	60	2020	2034	2031
49	210	120	2020	2034	2031
50	210	60	2020	2034	2031
51	210	60	2021	2035	2032

Bus Number / Name	Proposed New Bus Size	Proposed New Charger Size	Year Bus Procured (age)	Estimated Bus Replacement Year (Replacement Cycle)	Proposed Conversion Year
53	210	60	2021	2035	2032
54	315	60	2020	2034	2031
57	210	60	2021	2035	2032
58	210	24	2022	2036	2032
59	210	24	2022	2036	2032
65	168	24	2022	2036	2033
66	315	24	2022	2036	2033
67	168	24	2024	2038	2034
68	168	24	2024	2038	2034
71	210	60	2024	2038	2034
73	210	60	2024	2038	2034
74	210	60	2021	2035	2032
76	210	60	2023	2037	2034
78	210	60	2016	2030	2030
93	315	60	2016	2030	2030
Spare - 92	210	0	2024	2038	2034
Spare - 89	210	0	2012	2026	2027
Spare - 79	210	120	2024	2038	2035
Spare - 72	210	0	2012	2026	2027
Spare - 56	210	120	2006	2024	2035
Spare - 55	210	0	2006	2024	2035
Spare - 52	315	120	2006	2024	2035
Spare - 40	315	0	2005	2024	2035
Spare - 26	168	24	2005	2024	2035
Spare - 25	168	24	2005	2024	2035

Table 25 Sample of BEB Procurement Schedule

**Replacement is based on 14 cycle. If replacement year is before 2027, it is assumed the bus will be replaced with a diesel bus.*
***This proposed BEB procurement schedule is subject to change based on client procurement.*

Based on the proposed procurement schedule, the route analysis and the charging strategy developed for Half Hollow Hills Central School District the projected charger load growth over time is as follows:

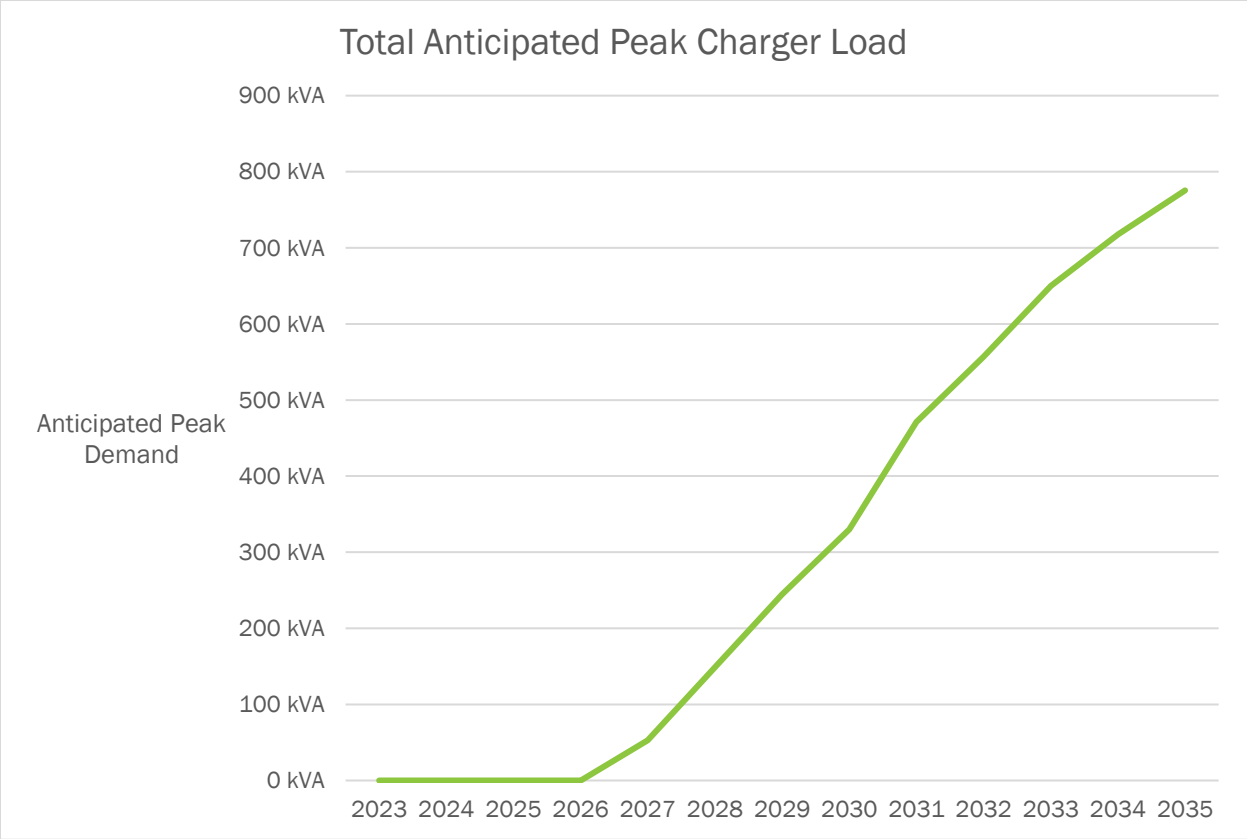


Figure 11 Total Anticipated Charger Peak Load

Phasing Plan

The proposed phasing plan for Half Hollow Hills Central School District consists of three phases. The district can add buses at their preferred rate and the infrastructure will be available and ready to charge BEBs. The proposed equipment layout is included in Appendix C - Concept Development & Phasing Plan Drawings of this report.

Phase 1

Phase 1 incorporates several components necessary for the overall site development.

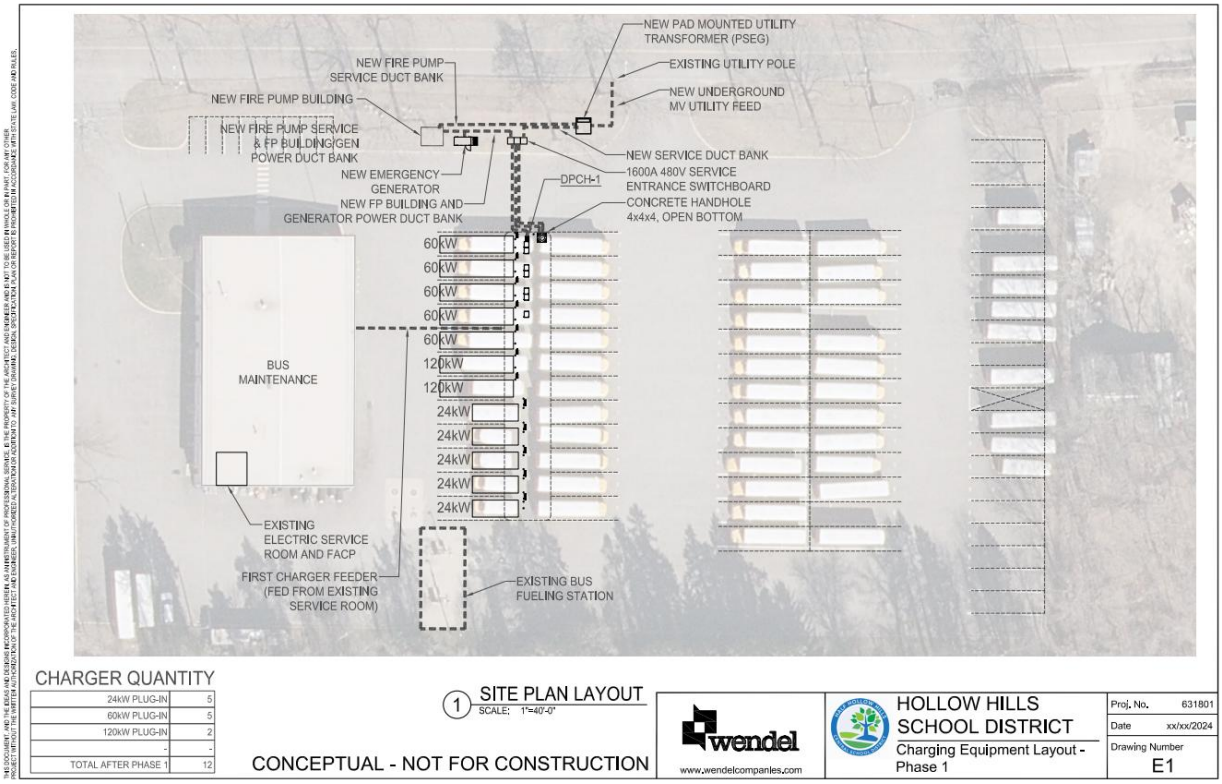


Figure 12 Phase 1 Site Layout

New utility transformer – The BEB charging infrastructure for Half Hollow Central School District should be powered through a new utility service feed from their municipal service. The proposed location for the new pad mounted 1000 kVA transformer is located on the grassy area near the street entrance to the bus parking area as seen on the Phase 1 Implementation layout in Appendix C - Concept Development & Phasing Plan Drawings of this report.

New power distribution equipment – There will be a 1600A service switchboard and 1200A distribution equipment to feed the chargers.

Utility and distribution trenches from new service to power distribution equipment – An underground duct bank should be installed from the new transformer to the new service switchboard and continue to the new electrical distribution equipment.

*Power feeds and charging equipment for up to **12 new chargers*** – New power feeds should be installed behind bus parking spaces 1-12. Five 24 kW chargers, five 60 kW chargers, and two 120 kW chargers should be installed behind the bus lanes.

Fire protection system upgrades – The maintenance facility should be provided with a fire sprinkler system to increase protection against battery electric bus fires. This system should include a new 6" water service from the street, 6" backflow preventer, fire pump, and an external fire pump building. The fire pump building will be approximately 15' x 13' and is being proposed to go in the grassy area near the street. This location will not impact the current bus parking and will be positioned well to intercept the new incoming water service. Water will be supplied underground from the street, up into this building, through a backflow preventer, through the pump, and back underground to the facility. The building location can shift during design if Half Hollow Hills CSD has a different preference.

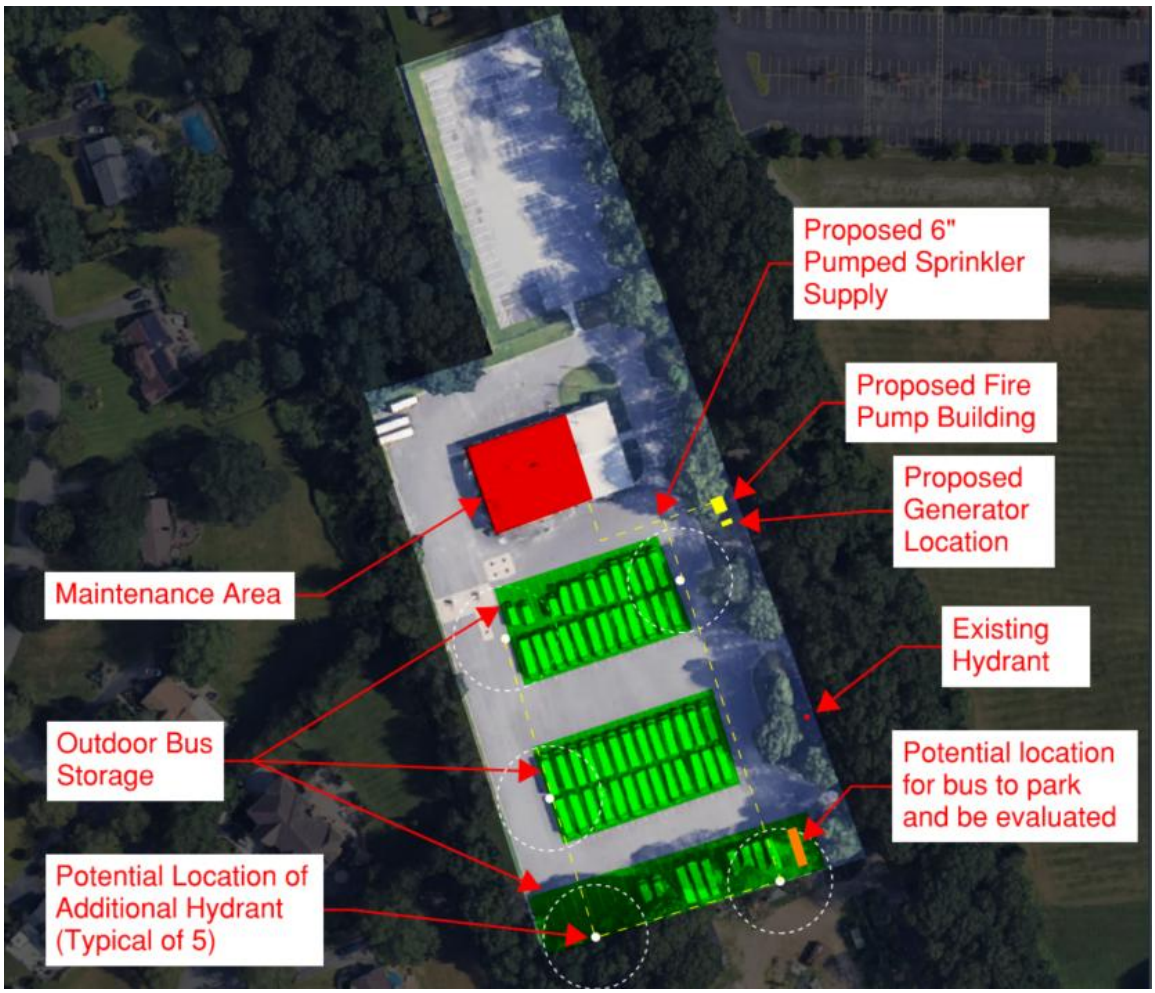


Figure 13 Fire Pump Room Addition

Since we are only intending on providing sprinkler protection in the maintenance area, the new pumped supply will enter the facility near bus maintenance. There is currently a trench drain along the South wall of the maintenance area, so we propose entering under the existing man

door. In the design phase, head locations will need to be closely coordinated with existing equipment and systems to ensure full sprinkler coverage without obstructions. The new 6-inch

service from the road, through the pump building, and into the facility will be approximately 200 feet. The area of the new sprinkler system is approximately 6,000 square feet total, between the maintenance and storage areas.

Since this facility has only external parking, the design described for maintenance areas would not apply to exterior charging. In this case we would recommend installing fire hydrants every 100 feet, approximately, throughout the parking area. This would aid the fire department in supplying large amounts of water if a bus were to catch fire. The proximity of hydrants may allow for the use of multiple hydrants to contain the fire if needed. The water service required to serve the fire hydrants could be upstream or downstream of the fire pump. Either option could be incorporated. At this location, that would result in roughly five (5) additional hydrants and about 850 feet of 6-inch pipe. Based on available budget during design, this approach could be scaled back to a hydrant every 200 feet, or whatever is deemed reasonable by the district.

Electric fire pumps require an alternate source of power in case the primary (typically the utility) is lost. This alternate source of power is typically an emergency generator that would provide necessary backup power for the fire pump. The diesel generator would be located alongside the fire pump building to reduce the length of run for connection. A new fire pump electrical service would also be required to feed the fire pump building.

The actual size of the fire pump will be confirmed during the design but at this time, we expect the pump would likely be around 1250 gpm, 60 psi, and 75 hp.

If space is available, best practice is to have a dedicated location outside for a bus that may have a maintenance or battery concern and needs to be evaluated. We would recommend that this dedicated area have clearance of at least 15ft on each side of the bus from any other combustibles. If it catches on fire, it would be isolated and minimize risk. If a space like this is identified for this site, we would suggest providing a private fire hydrant within 50 feet, for fire department use. This hydrant could be served from the fire pump and significantly help in controlling a bus fire.

Costs

- Charging system infrastructure for Phase 1: **$1,562,376 to $1,726,836**
- PSEG Service Upgrades: **$44,069**
- Fire Protection infrastructure: **$1,317,195 to $1,455,847**
- Total Phase 1 estimated cost: **$2,923,640 to $3,226,752**
  Detailed cost estimates are included in the appendix E. Cost estimates do not include bus purchases.

Phase 2

Phase 2 incorporates several components necessary for the overall site development.

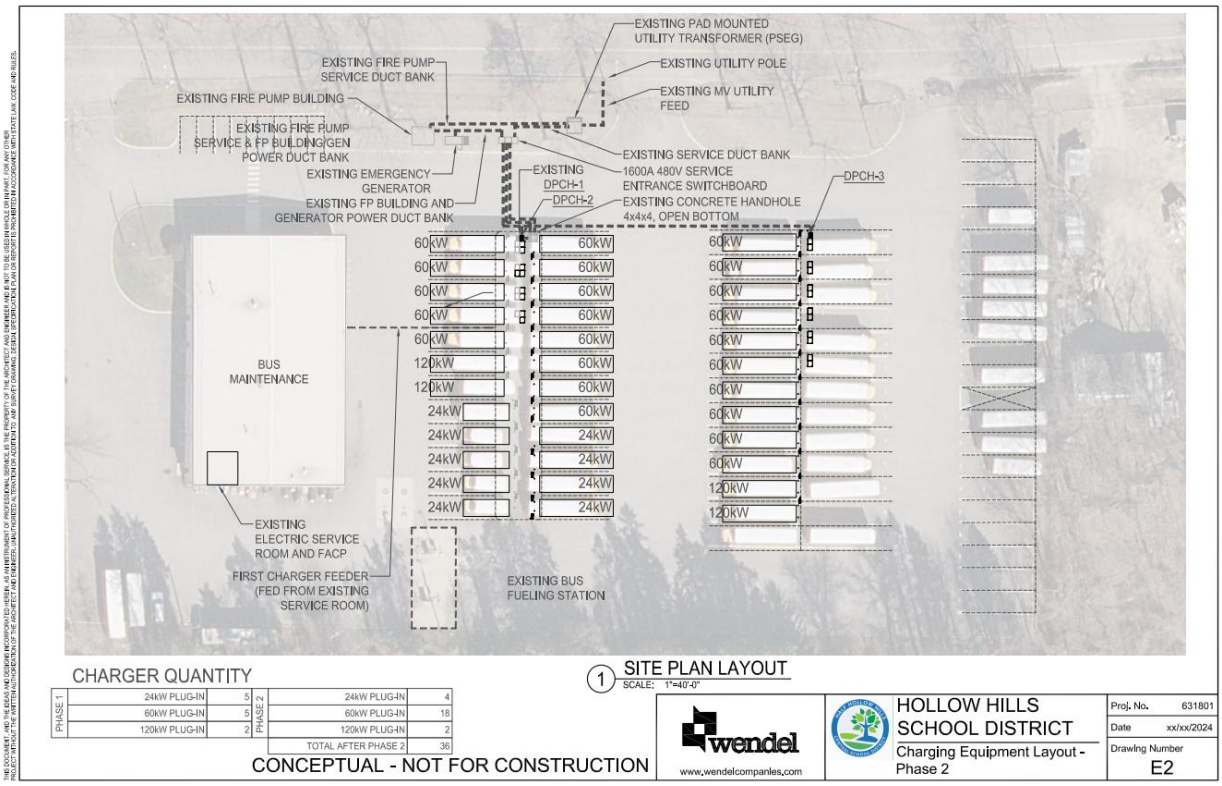


Figure 14 Phase 2 Site Layout

New power distribution equipment – There will be a 1000A and 1200A switchboard to feed the chargers.

Distribution trenches from service switchboard to power distribution equipment – An underground duct bank should be installed from the service switchboard to the new electrical distribution equipment.

*Power feeds and charging equipment for up to **24 new chargers*** – New power feeds should be installed behind bus parking spaces 13-36. Four 24 kW chargers, eighteen 60 kW chargers, and two 120 kW chargers should be installed behind the bus lanes.

Costs

- Charging system infrastructure for Phase 2: **$3,440,644 to $3,802,818**
- Total Phase 2 estimated cost: **$3,440,644 to $3,802,818**
  Detailed cost estimates are included in the appendix E. Cost estimates do not include bus purchases.

Phase 3

Phase 3 incorporates several components necessary for the overall site development.

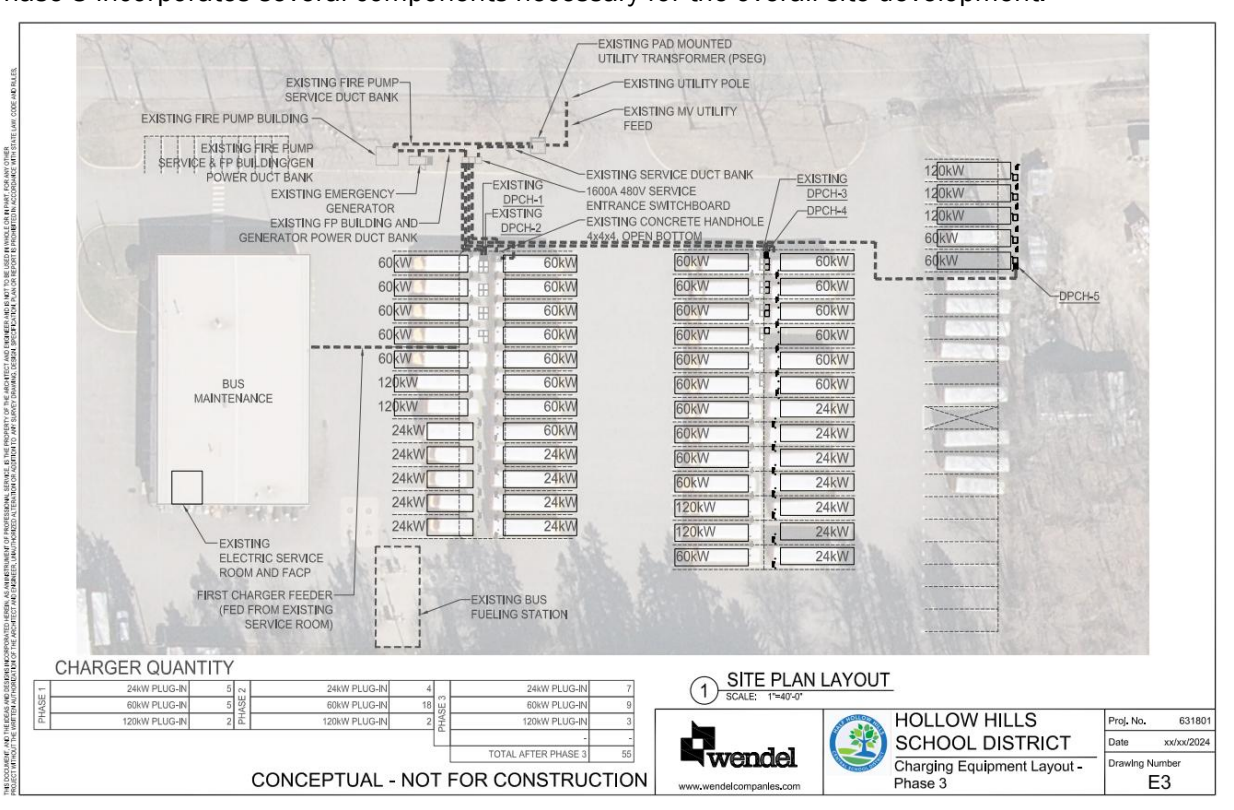


Figure 15 Phase 3 Site Layout

New power distribution equipment – There will be an 800A and 1000A distribution panels to feed the chargers.

Distribution trenches from service switchboard to power distribution equipment – An underground duct bank should be installed from the service switchboard to the new electrical distribution equipment.

*Power feeds and charging equipment for up to **19 new chargers*** – New power feeds should be installed behind bus parking spaces 37-55. Seven 24 kW chargers, nine 60 kW chargers, and three 120 kW chargers should be installed behind the bus lanes.

Costs

- Charging system infrastructure for Phase 3: **$3,417,739 to $3,777,501**
- Total Phase 3 estimated cost: **$3,417,739 to $3,777,501**
  Detailed cost estimates are included in the appendix E. Cost estimates do not include bus purchases.

Fire protection approach

It is common industry belief that standard sprinkler protection for parking garages and maintenance areas is inadequate for battery electric school buses, and we agree. Since there are not currently code requirements for sprinkler protection of this scenario, we have developed a custom approach. Our approach on the Transit bus side has currently been reviewed and accepted by FM Global, State Fire Marshal's in CT, MA, and NY, CTDOT, and a variety of insurance companies. On the school bus side this approach has been recommended at several different districts as they move forward to BEB. Typically, the exterior shell of a school bus does contain a bit more metal than a transit bus, but many exterior parts like bumper, moldings, side mirror covers, and mud flaps are still made of plastic, which are quicker to catch if an adjacent bus is on fire. Additionally, to extend battery range, more and more buses are being constructed of lighter weight, alternative materials. We strongly recommend the same fire protection approach for all battery powered buses until NFPA releases specific code requirements. Due to the chemistry of lithium-ion batteries, it is nearly impossible to completely extinguish them once the chemical reaction has started. They can reignite for up to 24 hours in most cases. The current recommendation from NFPA for Lithium-Ion fires is large amounts of water to suppress the fire.

When buses are indicating warnings, damaged, or have problems, they are typically brought to maintenance. Although a bus may be left outside if the battery is a concern, maintenance is still a likely location for problems to occur. Additionally, maintenance areas are often equipped with portable chargers. This enhanced sprinkler coverage will allow the flexibility of locally charging any of the buses as well.

In all areas where battery electric school buses will be charged or maintained, we recommend providing a sprinkler system capable of 0.7 gallons per minute, per square foot (gpm/sf). Utilizing Control Mode Specific Application (CMSA) type sprinkler heads will require calculating the most remote 15 heads, to ensure the remaining system has adequate capacity. The shell of the bus prevents water from getting directly to the source of the fire. Additionally, batteries are usually located within a compartment that also prevents water from reaching. This sprinkler design approach has been developed to suppress an electric bus fire and prevent the fire from spreading to adjacent buses. This helps to protect the building and buy time for people to get out safely. It is also in place to contain the fire long enough for fire department to respond and take the proper measures from there.

The existing facility does not currently have a sprinkler system and the existing domestic water service would be inadequate to support this type of design. The fire pump needed by the proposed system does not appear to be able to fit indoor, so an outdoor pump house will be utilized.

There are three maintenance bays used regularly to maintain buses. A fourth, separate bay has a lift but is mostly used for storage. Since this bay could be used, we are proposing to extend the sprinkler system and protect all four bays. This will also provide flexibility to Half Hollow Hills CSD to maintain any vehicle in any of the available spaces.

Maintenance of the fire protection system is critical to ensure longevity and performance during time of need. Ongoing compliance with NFPA 25 will be essential for the entire sprinkler system.

Schedule

A preliminary schedule was developed as a guide for the implementation of Phase 1 of the transition plan. This preliminary schedule is heavily impacted by current supply chain issues associated with electrical equipment, particularly electrical switchgear. The current lead time for switchgears is estimated to be 20 months.

Phase 1 Preliminary Schedule

Milestone description	Months	1 Year												2 Years												3 Years												4 Years	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Utility Service																																							
Utility Design	2																																						
Transformer Delivery	12																																						
Utility Distribution Construction	6																																						
Site Design and Construction																																							
Phase 1 Detailed Design & SED Review	5																																						
Bid and Award Construction Package	1.5																																						
Order Main Switchgear, Switch Boards, and Chargers	1																																						
Switch Boards and Chargers Delivery	12																																						
Switchgear Delivery	20																																						
Construction	14																																						
Testing																																							
Commission Chargers Switchgear and Switch Boards	1																																						

Figure 16 Phase 1 Preliminary Construction Schedule

Section 8 Transition Plan Cost Estimates

Transition Plan Cost Estimates

Wendel has developed a high-level opinion of probable costs to implement the transition plan described in the previous section. Estimates from previous studies were utilized as the basis of the transition plan cost estimate and scaled for Half Hollow Central School District. The estimates include the phased implementation costs of the following major items:

1. Electrical equipment and installation costs for the utility interface
2. Bus charging system distribution equipment and installation costs including switchgear, panelboards, wiring
3. Charger and dispenser and installation costs
4. Associated sitework and civil costs
5. Other costs associated with a transition, an addition, renovations, etc.

The following items were excluded from the estimates:

1. Utility fees
2. Construction Management (CM) fees
3. Phasing costs within each phase
4. Costs of the BEBs themselves

Wendel has submitted all necessary information to the utility, PSEG, and has requested they provide the upgrades required to support the necessary loads, overall costs of the utility upgrades and responsibility of the costs. As of the date of this report, PSEG has provided the necessary upgrades and associated cost. Utility incentives and grants should be explored during design to help mitigate the impact of these costs.

The estimated costs for the proposed BEBs themselves can be found below. These costs were acquired in the Spring of 2024 and may vary based on region, bus supplier, warranty option selected, and bus customization / add-ons. These costs do not include escalation.

Make	Bus Type	Bus Size (kWh)	Estimated Cost per Bus
Lion	Type A	168	$300,000.00
IC Bus	Type C	210	$394,000.00
IC Bus	Type C	315	$428,000.00

Table 26 Estimated BEB Costs

Opinion of Probable Construction Cost

Project Name: Half Hollow Hills CSD NYSERDA BEB Study Rev.1
Project Owner: Half Hollow Hills CSD
Project Location: Dix Hills, Long Island
Wendel Project Number: 631801
Phase: Schematic Design
Date: August 16, 2024

Division	Description		Total		
	Phase 1 Total		$ 1,644,606		
		Range	$ 1,562,376	to	$ 1,726,836
	Phase 2 Total		$ 3,621,731		
		Range	$ 3,440,644	to	$ 3,802,818
	Phase 3 Total		$ 3,597,620		
		Range	$ 3,417,739	to	$ 3,777,501
	Fire Protection		$ 1,386,521		
		Range	$ 1,317,195	to	$ 1,455,847
		Project Total	$ 10,250,478		
		Project Total Range	$ 9,737,954	to	$ 10,763,002

Alternate #1: Deduct for first charger $ 111,411

Assumptions/Exclusions:
Excludes utility fees. (PSE&G, Verizon, etc.)
Excludes any CM fees.
Includes pads for each EVD.
Assumes the 24kW units to be complete units. These will be mounted on a support structure and fed with AC power and data.
All primary, secondary and power/data runs to the EVD are concrete encased.
Includes CAT6 cable and 6-strand fiber from the BCS to each EVD. All will be terminated and tested.
Includes pavement removal and repair.
Excludes any phasing costs within each phase.
Each phase is escalated based on the approximate date of construction.

Opinion of Probable Construction Cost

Project Name: Half Hollow Hills CSD NYSERDA BEB Study Rev.1
Project Owner: Half Hollow Hills CSD
Project Location: Rochester, NY
Wendel Project Number: 631801
Phase: Phase 1 - BEB
Date: August 16, 2024

DIVISION	DESCRIPTION	QTY	UNIT	UNIT COST	UNIT OF MEASURE	SUBTOTAL	DIVISION SUBTOTAL
26 00 00	**Electrical**						
	Primary to Pad						**$45,863**
	5" GRC	20	LNFT	$ 10,733.28	C	$ 2,147	
	5" PVC-80	120	LNFT	$ 2,943.97	C	$ 3,533	
	5" Locknut	12	EA	$ 3,715.57	C	$ 446	
	5" Plastic Bushing	4	EA	$ 2,882.46	C	$ 115	
	5" Cut & Thread	2	EA	$ 314.81	E	$ 630	
	5" PVC Term Adpt	4	EA	$ 4,520.99	C	$ 181	
	5" PVC Coup	2	EA	$ 3,911.84	C	$ 78	
	5"x3" Base Spacer	16	EA	$ 1,760.97	C	$ 282	
	1/8" Poly Pull Line	200	LNFT	$ 509.79	M	$ 102	
	#4/0 Stranded Bare Copper Wire	125	LNFT	$ 18,221.28	M	$ 2,278	
	3/4"x10' Copper Ground Rod	5	EA	$ 135.42	E	$ 677	
	5" GRC 90D Elbow-30" Radius	2	EA	$ 4,866.48	E	$ 9,733	
	4" Rigid Conduit Strap	3	EA	$ 1,846.56	C	$ 46	
	Cadweld	5	EA	$ 66.13	E	$ 331	
	Transformer Pad/Curb/Crushed Stone	1	EA	$ 5,462.50	E	$ 5,463	
	Pipe Bollard	16	EA	$ 761.88	E	$ 12,190	
	Concrete Ductbank (per ft)	45	LNFT	$ 169.63	E	$ 7,633	
	Pad to MSWBD-1						**$100,918**
	4" PVC	240	LNFT	$ 1,600.80	C	$ 3,842	
	4" Locknut	8	EA	$ 2,798.76	C	$ 224	
	4" PVC Term Adpt	8	EA	$ 3,778.73	C	$ 302	
	4" PVC Coup	8	EA	$ 3,070.90	C	$ 246	
	4" PVC-40 Elbow	8	EA	$ 18,867.76	C	$ 1,509	
	4"x3" Base Spacer	30	EA	$ 1,411.15	C	$ 423	
	#4/0 THHN CU Stranded Wire	320	LNFT	$ 9,193.40	M	$ 2,942	
	#600MCM THHN CU Stranded Wire	1,280	LNFT	$ 22,480.03	M	$ 28,774	
	#4/0 Stranded Bare Copper Wire	175	LNFT	$ 18,221.28	M	$ 3,189	
	3/4"x10' Copper Ground Rod	6	EA	$ 135.42	E	$ 813	
	Switchgear Pad	1	EA	$ 4,600.00	E	$ 4,600	
	Cadweld	6	EA	$ 66.13	E	$ 397	
	Concrete Ductbank (per ft)	50	EA	$ 169.63	E	$ 8,482	
	Pipe Bollard	12	EA	$ 761.88	E	$ 9,143	
	MSWBD-1 1600A (install)	1	EA	$ 36,033.00	E	$ 36,033	
	MSWBD-1 to DPCH 1, future DPCH-2,3,4 & 5						**$86,780**
	3" PVC	210	LNFT	$ 1,249.13	C	$ 2,623	
	3-1/2" PVC	140	LNFT	$ 1,428.51	C	$ 2,000	
	4" PVC	630	LNFT	$ 1,600.80	C	$ 10,085	
	3" Locknut	6	EA	$ 1,959.62	C	$ 118	
	3-1/2" Locknut	4	EA	$ 2,427.49	C	$ 97	
	4" Locknut	18	EA	$ 2,798.76	C	$ 504	
	3" PVC Term Adpt	6	EA	$ 3,005.75	C	$ 180	
	3-1/2" PVC Term Adpt	4	EA	$ 3,379.28	C	$ 135	
	4" PVC Term Adpt	18	EA	$ 3,778.73	C	$ 680	
	3" PVC Coup	9	EA	$ 2,520.11	C	$ 227	
	3-1/2" PVC Coup	6	EA	$ 2,835.44	C	$ 170	
	4" PVC Coup	27	EA	$ 3,070.90	C	$ 829	
	3" PVC-40 Elbow	9	EA	$ 14,892.50	C	$ 1,340	
	3-1/2" PVC-40 Elbow	6	EA	$ 18,538.00	C	$ 1,112	
	4" PVC-40 Elbow	27	EA	$ 18,867.76	C	$ 5,094	
	3-1/2" Conduit Hanger w/Bolt	17.5	EA	$ 4,579.01	C	$ 801	
	3"x3" Base Spacer	26.25	EA	$ 1,403.69	C	$ 368	
	4"x3" Base Spacer	78.75	EA	$ 1,411.15	C	$ 1,111	
	3/8" Thrd Rod-10Ft	3.5	EA	$ 12,720.59	C	$ 445	
	3/8" Hex Nut	35	EA	$ 588.87	C	$ 206	

Opinion of Probable Construction Cost

Project Name: Half Hollow Hills CSD NYSERDA BEB Study Rev.1
Project Owner: Half Hollow Hills CSD
Project Location: Rochester, NY
Wendel Project Number: 631801
Phase: Phase 1 - BEB
Date: August 16, 2024

DIVISION	DESCRIPTION	QTY	UNIT	UNIT COST	UNIT OF MEASURE	SUBTOTAL	DIVISION SUBTOTAL
	Flange Beam Clamp for 3/8" Thrd Rod	17.5	EA	$ 2,643.23	C	$ 463	
	#3/0 THHN CU Stranded Wire	240	LNFT	$ 7,646.87	M	$ 1,835	
	#600MCM THHN CU Stranded Wire	960	LNFT	$ 22,480.03	M	$ 21,581	
	1/8" Poly Pull Line	616	LNFT	$ 509.79	M	$ 314	
	Power Manhole	1	EA	$ 4,025.00	E	$ 4,025	
	#4/0 Stranded Bare Copper Wire	175	LNFT	$ 18,221.28	M	$ 3,189	
	3/4"x10' Copper Ground Rod	6	EA	$ 135.42	E	$ 813	
	Cadweld	6	EA	$ 66.13	E	$ 397	
	Concrete Ductbank (per ft)	65	EA	$ 169.63	E	$ 11,026	
	Pipe Bollard	6	EA	$ 761.88	E	$ 4,571	
	DPCH-1 1200A (install)	1	EA	$ 10,439.13	E	$ 10,439	
	DPCH to BCS (incl 24kW)						**$17,567**
	1-1/2" PVC	150	LNFT	$ 746.96	C	$ 1,120	
	2" PVC	260	LNFT	$ 854.87	C	$ 2,223	
	1-1/2" Locknut	10	EA	$ 624.89	C	$ 62	
	2" Locknut	14	EA	$ 794.49	C	$ 111	
	1-1/2" PVC Term Adpt	10	EA	$ 2,090.30	C	$ 209	
	2" PVC Term Adpt	14	EA	$ 2,411.95	C	$ 338	
	1-1/2" PVC Coup	10	EA	$ 1,641.34	C	$ 164	
	2" PVC Coup	14	EA	$ 1,803.43	C	$ 252	
	1-1/2" PVC-40 Elbow	10	EA	$ 6,835.60	C	$ 684	
	2" PVC-40 Elbow	14	EA	$ 8,482.40	C	$ 1,188	
	2"x3" Base Spacer	51	EA	$ 1,389.30	C	$ 712	
	#8 THHN CU Stranded Wire	165	LNFT	$ 1,720.69	M	$ 284	
	#6 THHN CU Stranded Wire	286	LNFT	$ 2,094.37	M	$ 599	
	#2 THHN CU Stranded Wire	800	LNFT	$ 3,743.22	M	$ 2,995	
	#1/0 THHN CU Stranded Wire	1,320	LNFT	$ 5,019.82	M	$ 6,626	
	BCS to EVD DC Power						**$41,106**
	2" PVC	620	LNFT	$ 854.87	C	$ 5,300	
	2" Locknut	14	EA	$ 794.49	C	$ 111	
	2" PVC Term Adpt	14	EA	$ 2,411.95	C	$ 338	
	2" PVC Coup	14	EA	$ 1,803.43	C	$ 252	
	2" PVC-40 Elbow	14	EA	$ 8,482.40	C	$ 1,188	
	2"x3" Base Spacer	78	EA	$ 1,389.30	C	$ 1,084	
	250kcmil 2kV DLO RHW Cable	1,426	LNFT	$ 16,299.81	M	$ 23,244	
	3/0 2kV DLO RHW Cable	713	LNFT	$ 13,449.61	M	$ 9,590	
	BCS to EVD Aux. Power						**$8,924**
	1" PVC	620	LNFT	$ 826.91	C	$ 5,127	
	1" Locknut	14	EA	$ 602.37	C	$ 84	
	1" PVC Term Adpt	14	EA	$ 1,631.22	C	$ 228	
	1" PVC Coup	14	EA	$ 1,038.51	C	$ 145	
	1" PVC-40 Elbow	14	EA	$ 2,832.45	C	$ 397	
	2"x3" Base Spacer	78	EA	$ 1,389.30	C	$ 1,084	
	#12 THHN CU Stranded Wire	2,140	LNFT	$ 868.43	M	$ 1,858	
	BCS to EVD Data						**$14,851**
	2" PVC	620	LNFT	$ 854.87	C	$ 5,300	
	2" Locknut	14	EA	$ 794.49	C	$ 111	
	2" PVC Term Adpt	14	EA	$ 2,411.95	C	$ 338	
	2" PVC Coup	14	EA	$ 1,803.43	C	$ 252	
	2" PVC-40 Elbow	14	EA	$ 8,482.40	C	$ 1,188	
	2"x3" Base Spacer	78	EA	$ 1,389.30	C	$ 1,084	
	CAT6 Cable	1,000	LNFT	$ 931.50	M	$ 932	
	Terminate CAT6	14	EA	$ 27.31	E	$ 382	
	Fiber Termination	84	EA	$ 38.64	E	$ 3,246	
	Fiber Test	42	EA	$ 15.53	E	$ 652	
	Test CAT6	7	EA	$ 30.48	E	$ 213	
	6-Strand GOF MM OM3 Fiber	1,000	LNFT	$ 1,152.68	M	$ 1,153	

Opinion of Probable Construction Cost

Project Name: Half Hollow Hills CSD NYSERDA BEB Study Rev.1
Project Owner: Half Hollow Hills CSD
Project Location: Rochester, NY
Wendel Project Number: 631801
Phase: Phase 1 - BEB
Date: August 16, 2024

DIVISION		DESCRIPTION	QTY	UNIT	UNIT COST	UNIT OF MEASURE	SUBTOTAL	DIVISION SUBTOTAL
		BCS Equipment install, pads, bollards						**$79,575**
		24kW BCS/bollard (install)	5	EA	$ 5,117.50	E	$ 25,588	
		60kW BCS/pad/bollard (install)	5	EA	$ 7,187.50	E	$ 35,938	
		120kW BCS/pad/bollard (install)	2	EA	$ 9,025.00	E	$ 18,050	
		BCS Equipment						**$463,954**
		BCS 24kW	5	EA	$ 18,000.00	E	$ 90,000	
		BCS 60kW Equipment (incl dispenser)	5	EA	$ 47,500.00	E	$ 237,500	
		BCS 120kW Equipment (incl dispenser)	2	EA	$ 68,227.00	E	$ 136,454	
		Distribution Equipment Allowance						**$129,375**
		Distribution Equipment	1	LS	$ 129,375.00	LS	$ 129,375	
31 00 00		**Earthwork**						**$0**
		Incl w/ductbank	-	SF	$ 18.00	E	$ -	
32 00 00		**Site Improvements**						**$25,150**
		Hydroseeding	1,400	SF	$ 3.50	E	$ 4,900	
		Paving	225	SY	$ 90.00	E	$ 20,250	
		Subtotal Construction Cost						$1,014,062
	10%	General Conditions					$101,406	
	15%	General Contractor OH&P					$152,109	
	10%	Construction Contingency					$101,406	
	10%	Design Contingency					$101,406	
	8%	Escalation (to end of 2025)					$81,125	
	0%	Phasing					$0	
		Subtotal					$537,453	$1,551,515
	6%	Soft Costs (A/E Fees)					$93,091	
		Phase 1 Total						**$1,644,606**

Opinion of Probable Construction Cost

Project Name: Half Hollow Hills CSD NYSERDA BEB Study Rev.1
Project Owner: Half Hollow Hills CSD
Project Location: Dix Hills, Long Island
Wendel Project Number: 631801
Phase: Phase 2 - BEB
Date: August 16, 2024

DIVISION	DESCRIPTION	QTY	UNIT	UNIT COST	UNIT OF MEASURE	SUBTOTAL	DIVISION SUBTOTAL
26 00 00	**Electrical**						
	MSWBD-1 to DPCH-2 & 3						**$187,168**
	3" PVC	60	LNFT	$ 1,249.13	C	$ 749	
	4" PVC	480	LNFT	$ 1,600.80	C	$ 7,684	
	3" Locknut	6	EA	$ 1,959.62	C	$ 118	
	4" Locknut	6	EA	$ 2,798.76	C	$ 168	
	3" PVC Term Adpt	6	EA	$ 3,005.75	C	$ 180	
	4" PVC Term Adpt	6	EA	$ 3,778.73	C	$ 227	
	3" PVC Coup	3	EA	$ 2,520.11	C	$ 76	
	4" PVC Coup	6	EA	$ 3,070.90	C	$ 184	
	3" PVC-40 Elbow	3	EA	$ 14,892.50	C	$ 447	
	4" PVC-40 Elbow	6	EA	$ 18,867.76	C	$ 1,132	
	3"x3" Base Spacer	8	EA	$ 1,403.69	C	$ 105	
	4"x3" Base Spacer	60	EA	$ 1,411.15	C	$ 847	
	#2/0 THHN CU Stranded Wire	360	LNFT	$ 5,804.54	M	$ 2,090	
	#3/0 THHN CU Stranded Wire	780	LNFT	$ 7,646.87	M	$ 5,965	
	#500MCM THHN CU Stranded Wire	1,440	LNFT	$ 18,503.18	M	$ 26,645	
	#600MCM THHN CU Stranded Wire	3,120	LNFT	$ 22,480.03	M	$ 70,138	
	#4/0 Stranded Bare Copper Wire	300	LNFT	$ 18,221.28	M	$ 5,466	
	3/4"x10' Copper Ground Rod	12	EA	$ 135.42	E	$ 1,625	
	Cadweld	12	EA	$ 66.13	E	$ 794	
	Switchgear Pad	2	EA	$ 4,600.00	E	$ 9,200	
	Concrete Ductbank (per ft)	160	EA	$ 169.63	E	$ 27,141	
	DPCH-2 (1000) Install	1	EA	$ 9,750.00	E	$ 9,750	
	DPCH-3 (1200 install)	1	EA	$ 10,439.13	E	$ 10,439	
	Pipe Bollard	6	EA	$ 1,000.00	E	$ 6,000	
	DPCH to BCS (incl 24kW)						**$27,662**
	1" PVC	50	LNFT	$ 826.91	C	$ 413	
	2" PVC	540	LNFT	$ 854.87	C	$ 4,616	
	1" Locknut	10	EA	$ 602.37	C	$ 60	
	2" Locknut	36	EA	$ 794.49	C	$ 286	
	1" PVC Term Adpt	10	EA	$ 1,631.22	C	$ 163	
	2" PVC Term Adpt	36	EA	$ 2,411.95	C	$ 868	
	1" PVC Coup	10	EA	$ 1,038.51	C	$ 104	
	2" PVC Coup	36	EA	$ 1,803.43	C	$ 649	
	1" PVC-40 Elbow	10	EA	$ 2,832.45	C	$ 283	
	2" PVC-40 Elbow	36	EA	$ 8,482.40	C	$ 3,054	
	2"x3" Base Spacer	74	EA	$ 1,389.30	C	$ 1,025	
	#10 THHN CU Stranded Wire	55	LNFT	$ 1,091.43	M	$ 60	
	#8 THHN CU Stranded Wire	220	LNFT	$ 1,720.69	M	$ 379	
	#6 THHN CU Stranded Wire	594	LNFT	$ 2,094.37	M	$ 1,244	
	#1/0 THHN CU Stranded Wire	2,880	LNFT	$ 5,019.82	M	$ 14,457	
	BCS to EVD DC Power						**$90,798**
	2" PVC	1,350	LNFT	$ 854.87	C	$ 11,541	
	2" Locknut	40	EA	$ 794.49	C	$ 318	
	2" PVC Term Adpt	40	EA	$ 2,411.95	C	$ 965	
	2" PVC Coup	40	EA	$ 1,803.43	C	$ 721	
	2" PVC-40 Elbow	40	EA	$ 8,482.40	C	$ 3,393	
	2"x3" Base Spacer	170	EA	$ 1,389.30	C	$ 2,362	
	250kcmil 2kV DLO RHW Cable	3,105	LNFT	$ 16,299.81	M	$ 50,611	
	3/0 2kV DLO RHW Cable	1,553	LNFT	$ 13,449.61	M	$ 20,887	
	BCS to EVD Aux. Power						**$23,346**
	2" PVC	1,350	LNFT	$ 854.87	C	$ 11,541	
	2" Locknut	40	EA	$ 794.49	C	$ 318	
	2" PVC Term Adpt	40	EA	$ 2,411.95	C	$ 965	
	2" PVC Coup	40	EA	$ 1,803.43	C	$ 721	

Opinion of Probable Construction Cost

Project Name: Half Hollow Hills CSD NYSERDA BEB Study Rev.1
Project Owner: Half Hollow Hills CSD
Project Location: Dix Hills, Long Island
Wendel Project Number: 631801
Phase: Phase 2 - BEB
Date: August 16, 2024

DIVISION	DESCRIPTION	QTY	UNIT	UNIT COST	UNIT OF MEASURE	SUBTOTAL	DIVISION SUBTOTAL
	2" PVC-40 Elbow	40	EA	$ 8,482.40	C	$ 3,393	
	2"x3" Base Spacer	170	EA	$ 1,389.30	C	$ 2,362	
	#12 THHN CU Stranded Wire	4,660	LNFT	$ 868.43	M	$ 4,047	
	BCS to EVD Data						**$36,307**
	2" PVC	1,350	LNFT	$ 854.87	C	$ 11,541	
	2" Locknut	40	EA	$ 794.49	C	$ 318	
	2" PVC Term Adpt	40	EA	$ 2,411.95	C	$ 965	
	2" PVC Coup	40	EA	$ 1,803.43	C	$ 721	
	2" PVC-40 Elbow	40	EA	$ 8,482.40	C	$ 3,393	
	2"x3" Base Spacer	170	EA	$ 1,389.30	C	$ 2,362	
	CAT6 Cable	2,000	LNFT	$ 931.50	M	$ 1,863	
	Terminate CAT6	40	EA	$ 27.31	E	$ 1,092	
	Fiber Termination	240	EA	$ 38.64	E	$ 9,274	
	Fiber Test	120	EA	$ 15.53	E	$ 1,864	
	Test CAT6	20	EA	$ 30.48	E	$ 610	
	6-Strand GOF MM OM3 Fiber	2,000	LNFT	$ 1,152.68	M	$ 2,305	
	BCS Equipment install, pads, bollards						**$167,895**
	24kW BCS/bollard (install)	4	E	$ 5,117.50	E	$ 20,470	
	60kW BCS/pad/bollard (install)	18	E	$ 7,187.50	E	$ 129,375	
	120kW BCS/pad/bollard (install)	2	EA	$ 9,025.00	E	$ 18,050	
	BCS Equipment Cost						**$1,063,454**
	24kW BCS Equipment	4	E	$ 18,000.00	E	$ 72,000	
	60kW BCS Equipment	18	E	$ 47,500.00	E	$ 855,000	
	BCS 120kW Equipment (incl dispenser)	2	EA	$ 68,227.00	E	$ 136,454	
	Distribution Equipment						**$185,000**
	Distribution Equipment Allowance	1	LS	$ 185,000.00	E	$ 185,000	
31 00 00	**Earthwork**						**$0**
	Incl w/ductbank		SF	$ 32.00	E	$ -	
32 00 00	**Site Improvements**						**$65,250**
	Hydroseeding	-	SF	$ 3.50	E	$ -	
	Paving	725	SY	$ 90.00	E	$ 65,250	
33 00 00	**Utilities**						**$0**
	Subtotal Construction Cost						$1,846,880
10%	General Conditions					$ 184,688	
15%	General Contractor OH&P					$ 277,032	
10%	Construction Contingency					$ 184,688	
10%	Design Contingency					$ 184,688	
40%	Escalation (to end of 2029)					$ 738,752	
	Subtotal					$ 1,569,848	$3,416,727
6%	Soft Costs (A/E Fees)					$ 205,004	
	Phase 2 Total						**$3,621,731**

Opinion of Probable Construction Cost

Project Name: Half Hollow Hills CSD NYSERDA BEB Study Rev.1
Project Owner: Half Hollow Hills CSD
Project Location: Dix Hills, Long Island
Wendel Project Number: 631801
Phase: Phase 3 - BEB
Date: August 16, 2024

DIVISION	DESCRIPTION	QTY	UNIT	UNIT COST	Unit of Measure	SUBTOTAL	DIVISION SUBTOTAL
26 00 00	**Electrical**						
	MSWGR-1 to DPCH 4 & 5						**$295,063**
	3" PVC	480	LNFT	$ 1,249.13	C	$ 5,996	
	3-1/2" PVC	600	LNFT	$ 1,428.51	C	$ 8,571	
	3" Locknut	6	EA	$ 1,959.62	C	$ 118	
	3-1/2" Locknut	12	EA	$ 2,427.49	C	$ 291	
	3" PVC Term Adpt	6	EA	$ 3,005.75	C	$ 180	
	3-1/2" PVC Term Adpt	12	EA	$ 3,379.28	C	$ 406	
	3" PVC Coup	6	EA	$ 2,520.11	C	$ 151	
	3-1/2" PVC Coup	18	EA	$ 2,835.44	C	$ 510	
	3" PVC-40 Elbow	6	EA	$ 14,892.50	C	$ 894	
	3-1/2" PVC-40 Elbow	18	EA	$ 18,538.00	C	$ 3,337	
	2"x3" Base Spacer	75	EA	$ 1,389.30	C	$ 1,042	
	3"x3" Base Spacer	60	EA	$ 1,403.69	C	$ 842	
	#1/0 THHN CU Stranded Wire	820	LNFT	$ 5,019.82	M	$ 4,116	
	#2/0 THHN CU Stranded Wire	810	LNFT	$ 5,804.54	M	$ 4,702	
	#500MCM THHN CU Stranded Wire	3,240	LNFT	$ 18,503.18	M	$ 59,950	
	#600MCM THHN CU Stranded Wire	3,280	LNFT	$ 22,480.03	M	$ 73,734	
	#4/0 Stranded Bare Copper Wire	300	LNFT	$ 18,221.28	M	$ 5,466	
	3/4"x10' Copper Ground Rod	12	EA	$ 135.42	E	$ 1,625	
	Cadweld	12	EA	$ 66.13	E	$ 794	
	Switchgear Pad	2	EA	$ 4,600.00	E	$ 9,200	
	Concrete Ductbank (per ft)	520	EA	$ 169.63	E	$ 88,208	
	DPCH-4 (1000 install)	1	EA	$ 4,464.88	E	$ 4,465	
	DPCH-5 (800 install)	1	EA	$ 4,464.88	E	$ 4,465	
	Pipe Bollard	16	EA	$ 1,000.00	E	$ 16,000	
	DPCH to BCS (incl 24kW)						**$19,789**
	1" PVC	350	LNFT	$ 826.91	C	$ 2,894	
	1-1/2" PVC	80	LNFT	$ 746.96	C	$ 598	
	2" PVC	150	LNFT	$ 854.87	C	$ 1,282	
	1" Locknut	14	EA	$ 602.37	C	$ 84	
	1-1/2" Locknut	18	EA	$ 624.89	C	$ 112	
	2" Locknut	6	EA	$ 794.49	C	$ 48	
	1" PVC Term Adpt	14	EA	$ 1,631.22	C	$ 228	
	1-1/2" PVC Term Adpt	18	EA	$ 2,090.30	C	$ 376	
	2" PVC Term Adpt	6	EA	$ 2,411.95	C	$ 145	
	1" PVC Coup	14	EA	$ 1,038.51	C	$ 145	
	1-1/2" PVC Coup	18	EA	$ 1,641.34	C	$ 295	
	2" PVC Coup	6	EA	$ 1,803.43	C	$ 108	
	1" PVC-40 Elbow	14	EA	$ 2,832.45	C	$ 397	
	1-1/2" PVC-40 Elbow	18	EA	$ 6,835.60	C	$ 1,230	
	2" PVC-40 Elbow	6	EA	$ 8,482.40	C	$ 509	
	2"x3" Base Spacer	73	EA	$ 1,389.30	C	$ 1,007	
	#10 THHN CU Stranded Wire	385	LNFT	$ 1,091.43	M	$ 420	
	#8 THHN CU Stranded Wire	1,628	LNFT	$ 1,720.69	M	$ 2,801	
	#6 THHN CU Stranded Wire	165	LNFT	$ 2,094.37	M	$ 346	
	#2 THHN CU Stranded Wire	680	LNFT	$ 3,743.22	M	$ 2,545	
	#1/0 THHN CU Stranded Wire	840	LNFT	$ 5,019.82	M	$ 4,217	
	BCS to EVD DC Power						**$57,747**
	2" PVC	980	LNFT	$ 854.87	C	$ 8,378	
	2" Locknut	12	EA	$ 794.49	C	$ 95	
	2" PVC Term Adpt	12	EA	$ 2,411.95	C	$ 289	
	2" PVC Coup	10	EA	$ 1,803.43	C	$ 180	
	2" PVC-40 Elbow	12	EA	$ 8,482.40	C	$ 1,018	
	2"x3" Base Spacer	125	EA	$ 1,389.30	C	$ 1,737	
	250kcmil 2kV DLO RHW Cable	2,000	LNFT	$ 16,299.81	M	$ 32,600	
	3/0 2kV DLO RHW Cable	1,000	LNFT	$ 13,449.61	M	$ 13,450	
	BCS to EVD AUX Power						**$10,868**
	1" PVC	980	LNFT	$ 826.91	C	$ 8,104	

Opinion of Probable Construction Cost

Project Name: Half Hollow Hills CSD NYSERDA BEB Study Rev.1
Project Owner: Half Hollow Hills CSD
Project Location: Dix Hills, Long Island
Wendel Project Number: 631801
Phase: Phase 3 - BEB
Date: August 16, 2024

DIVISION		DESCRIPTION	QTY	UNIT	UNIT COST	Unit of Measure	SUBTOTAL	DIVISION SUBTOTAL
		1" Locknut	12	EA	$ 602.37	C	$ 72	
		1" PVC Term Adpt	12	EA	$ 1,631.22	C	$ 196	
		1" PVC Coup	12	EA	$ 1,038.51	C	$ 125	
		1" PVC-40 Elbow	12	EA	$ 2,832.45	C	$ 340	
		2"x3" Base Spacer	125	EA	$ 1,389.30	C	$ 1,737	
		#12 THHN CU Stranded Wire	340	LNFT	$ 868.43	M	$ 295	
		BCS to EVD Data						**$18,711**
		2" PVC	980	LNFT	$ 854.87	C	$ 8,378	
		2" Locknut	12	EA	$ 794.49	C	$ 95	
		2" PVC Term Adpt	12	EA	$ 2,411.95	C	$ 289	
		2" PVC Coup	12	EA	$ 1,803.43	C	$ 216	
		2" PVC-40 Elbow	12	EA	$ 8,482.40	C	$ 1,018	
		2"x3" Base Spacer	125	EA	$ 1,389.30	C	$ 1,737	
		CAT6 Cable	1,500	LNFT	$ 931.50	M	$ 1,397	
		Terminate CAT6	12	EA	$ 27.31	E	$ 328	
		Fiber Termination	72	EA	$ 38.64	E	$ 2,782	
		Fiber Test	36	EA	$ 15.53	E	$ 559	
		Test CAT6	6	EA	$ 30.48	E	$ 183	
		6-Strand GOF MM OM3 Fiber	1,500	LNFT	$ 1,152.68	M	$ 1,729	
		BCS Equipment install, pads, bollards						**$127,585**
		24kW BCS/bollard (install)	7	E	$ 5,117.50	E	$ 35,823	
		60kW BCS/pad/bollard (install)	9	EA	$ 7,187.50	E	$ 64,688	
		120kW BCS/pad/bollard (install)	3	EA	$ 9,025.00	E	$ 27,075	
		BCS Equipment Cost						**$758,181**
		24kW BCS Equipment	7	E	$ 18,000.00	E	$ 126,000	
		60kW BCS Equipment	9	EA	$ 47,500.00	E	$ 427,500	
		120kW BCS Equipment	3	EA	$ 68,227.00	E	$ 204,681	
		Distribution Equipment						**$130,000**
		Distribution Equipment Allowance	1	LS	$130,000.00	E	$ 130,000	
31 00 00		**Earthwork**						**$0**
		Incl w/ductbank	-	SF	$ 18.00	E	$ -	
32 00 00		**Site Improvements**						**$38,700**
		Paving	430	SY	$ 90.00	E	$ 38,700	
33 00 00		**Utilities**						**$0**
		Subtotal Construction Cost						$1,456,644
	10%	General Conditions					$ 145,664	
	15%	General Contractor OH&P					$ 218,497	
	10%	Construction Contingency					$ 145,664	
	10%	Design Contingency					$ 145,664	
	88%	Escalation (to end of 2035)					$ 1,281,847	
	0%	Phasing					$ -	
		Subtotal					$ 1,937,337	$3,393,981
	6%	Soft Costs (A/E Fees)						$203,639
		Phase 3 Total						**$3,597,620**

Opinion of Probable Construction Cost

Project Name: Half Hollow Hills CSD NYSERDA BEB Study Rev.1
Project Owner: Half Hollow Hills CSD
Project Location: Dix Hills, Long Island
Wendel Project Number: 631801
Phase: Maintenance Building Fire Suppression/hydrant loop
Date: August 16, 2024
GSF 9000

DIVISION	DESCRIPTION	QTY	UNIT	UNIT COST	UNIT OF MEASURE	SUBTOTAL	DIVISION SUBTOTAL
03 00 00	**Concrete**						**$ 11,470**
	FP Building Footing	5	CY	$ 450.00	E	$ 2,250	
	8" FP Building SOG	240	SF	$ 28.00	E	$ 6,720	
	Fire Pump/Jockey Pump Base	1	LS	$ 2,500.00	E	$ 2,500	
07 00 00	**Thermal and Moisture Protection**						**$7,370**
	Gutter and downspout	1	LS	$ 650.00	E	$ 650	
	Roofing System	240	SF	$ 28.00	E	$ 6,720	
08 00 00	**Openings**						**$0**
	Double Door - HM w/hardware (incl in Lakelands quote)	-					
09 00 00	**Finishes**						**$20,160**
	Insulated FRP wall (FT ply, studs/rigid insulation)	750	SF	$ 20.00	E	$ 15,000	
	Insulated FRP Ceiling (FT ply, studs/rigid insulation)	240	SF	$ 21.50	E	$ 5,160	
12 00 00	**Special Construction**						**$88,680**
	Fire Pump Building (quoted by Lakelands, set and assembled)	1	EA	$ 78,680.00	E	$ 78,680	
	Earthwork For FP Building	1	LS	$ 10,000.00	E	$ 10,000	
21 00 00	**Fire Suppression**						**$266,000**
	RX System	6,000	SF	$ 1.50	E	$ 9,000	
	Fire Suppression System	6,000	SF	$ 11.00	E	$ 66,000	
	Backflow preventor,piping,valves,etc.	1	LS	$ 18,500.00	E	$ 18,500	
	Fire main extension (in div 33)	-	Allow	$ -	E	$ -	
	Fire Pump	1	EA	$ 165,000.00	E	$ 165,000	
	Core/Sleeve/Seal	1	LS	$ 2,500.00	E	$ 2,500	
	Testing and certification	1	LS	$ 5,000.00	E	$ 5,000	
26 00 00	**Electrical**						**$245,516**
	1-1/2" PVC	120	LNFT	$ 746.96	C	$ 896	
	3-1/2" PVC	60	LNFT	$ 1,428.51	C	$ 857	
	1-1/2" Locknut	4	EA	$ 624.89	C	$ 25	
	3-1/2" Locknut	2	EA	$ 2,427.49	C	$ 49	
	1-1/2" PVC Term Adpt	4	EA	$ 2,090.30	C	$ 84	
	3-1/2" PVC Term Adpt	2	EA	$ 3,379.28	C	$ 68	
	1-1/2" PVC Coup	4	EA	$ 1,641.34	C	$ 66	
	3-1/2" PVC Coup	3	EA	$ 2,835.44	C	$ 85	
	1-1/2" PVC-40 Elbow	4	EA	$ 6,835.60	C	$ 273	
	3-1/2" PVC-40 Elbow	3	EA	$ 18,538.00	C	$ 556	
	2"x3" Base Spacer	15	EA	$ 1,389.30	C	$ 208	
	4"x3" Base Spacer	8	EA	$ 1,411.15	C	$ 106	
	#8 THHN CU Stranded Wire	132	LNFT	$ 1,720.69	M	$ 227	
	#2 THHN CU Stranded Wire	640	LNFT	$ 3,743.22	M	$ 2,396	
	#600MCM THHN CU Stranded Wire	320	LNFT	$ 22,480.03	M	$ 7,194	
	3/4" GRC	40	LNFT	$ 873.76	C	$ 350	
	1/2" Steel Flex	18	LNFT	$ 535.67	C	$ 96	
	3/4" Plastic Bushing	6	EA	$ 217.21	C	$ 13	
	3/4" Cut & Thread	3	EA	$ 25.50	E	$ 77	
	3/4" 1-Hole Strap	5	EA	$ 521.48	C	$ 26	
	4" Sq Box/2-1/8"D/Comb KO	1	EA	$ 3,475.20	C	$ 35	
	#12 THHN CU Stranded Wire	222	LNFT	$ 692.80	M	$ 154	
	#10 THHN CU Stranded Wire	594	LNFT	$ 891.56	M	$ 530	
	20A Spec Grade SP Toggle Switch	1	EA	$ 3,013.20	C	$ 30	
	4" Sq 1G Toggle Sw Raised Cover	1	EA	$ 1,364.77	C	$ 14	
	3/4"x10' Copper Ground Rod	4	EA	$ 110.10	E	$ 440	
	CT Cabinet/Meter Socket	1	EA	$ 3,312.00	E	$ 3,312	
	Jockey Pump Connection	1	EA	$ 498.53	E	$ 499	
	Fire Pump Connection	1	EA	$ 1,063.75	E	$ 1,064	
	EMGen 150kW (install)	1	EA	$ 4,848.00	E	$ 4,848	
	150kW Emergency Generator	1	EA	$ 113,850.00	E	$ 113,850	
	Red Scotchlok Wirenuts (#18-10)	18	EA	$ 3,339.78	M	$ 60	
	Cadweld	4	EA	$ 49.80	E	$ 199	
	Generator Pad	1	EA	$ 2,202.00	E	$ 2,202	

Opinion of Probable Construction Cost

Project Name: Half Hollow Hills CSD NYSERDA BEB Study Rev.1
Project Owner: Half Hollow Hills CSD
Project Location: Dix Hills, Long Island
Wendel Project Number: 631801
Phase: Maintenance Building Fire Suppression/hydrant loop
Date: August 16, 2024
GSF 9000

DIVISION		DESCRIPTION	QTY	UNIT	UNIT COST	UNIT OF MEASURE	SUBTOTAL	DIVISION SUBTOTAL
		Concrete Ductbank (per ft)	520	EA	$ 176.04	E	$ 91,541	
		Pipe Bollard	6	EA	$ 761.88	E	$ 4,571	
		Fixture Type SW4	2	EA	$ 299.11	E	$ 598	
		Fixture Type WP1	1	EA	$ 1,419.17	E	$ 1,419	
		100 Amp Surf Panel-Nema 1	1	EA	$ 6,500.00	E	$ 6,500	
31 00 00		**Earthwork**						**$22,500**
		Exavation for 6" DIP	900	LF	$ 25.00	E	$ 22,500	
32 00 00		**Site Improvements**						**$10,600**
		Hydroseeding	1,100	SF	$ 3.50	E	$ 3,850	
		Paving	75	SY	$ 90.00	E	$ 6,750	
33 00 00		**Utilities**						**$171,600**
		6" DIP	200	LF	$ 166.00	E	$ 33,200	
		Fire Hydrant Loop	1	LS	$ 138,400.00	E	$ 138,400	
		Subtotal Construction Cost						$843,896
	10%	General Conditions					$84,390	
	15%	General Contractor OH&P					$126,584	
	5%	General Contractor OH&P on Sub-Contractor					$16,878	
	10%	Construction Contingency					$84,390	
	10%	Design Contingency					$84,390	
	8%	Escalation (to end of 2025)					$67,512	
		Subtotal					$ 464,143	$1,308,039
	6%	Soft Costs (A/E Fees)					$78,482	
		Maintenance Building Fire Suppression						$1,386,521

Opinion of Probable Construction Cost

Project Name: Half Hollow Hills CSD NYSERDA BEB Study Rev.1
Project Owner: Half Hollow Hills CSD
Project Location: Dix Hills, Long Island
Wendel Project Number: 631801
Phase: First Charger Feeder - Alternate
Date: August 16, 2024

DIVISION	DESCRIPTION	QTY	UNIT	UNIT COST	Unit of Measure	SUBTOTAL	DIVISION SUBTOTAL
26 00 00	**Electrical**						
	First Charger Feeeder						**$34,158**
	3/4" EMT	50	LNFT	$ 827.46	C	$ 414	
	1-1/2" EMT	200	LNFT	$ 1,376.65	C	$ 2,753	
	3/4" Steel Flex	10	LNFT	$ 884.74	C	$ 88	
	1-1/2" Steel Flex	10	LNFT	$ 2,573.88	C	$ 257	
	1-1/2" PVC	90	LNFT	$ 746.96	C	$ 672	
	1-1/2" EMT Elbow	6	EA	$ 8,855.00	C	$ 531	
	3/4" SS Steel Conn	4	EA	$ 1,052.32	C	$ 42	
	1-1/2" SS Steel Conn	4	EA	$ 2,368.17	C	$ 95	
	3/4" SS Steel Cplg	5	EA	$ 774.28	C	$ 39	
	1-1/2" SS Steel Cplg	26	EA	$ 1,832.33	C	$ 476	
	1-1/2" Locknut	2	EA	$ 624.89	C	$ 12	
	3/4" Plastic Bushing	4	EA	$ 300.16	C	$ 12	
	1-1/2" Plastic Bushing	4	EA	$ 612.38	C	$ 24	
	3/4" Steel Squeeze Flex Conn	2	EA	$ 3,593.44	C	$ 72	
	1-1/2" Steel Squeeze Flex Conn	2	EA	$ 9,071.30	C	$ 181	
	1-1/2" PVC Term Adpt	2	EA	$ 2,090.30	C	$ 42	
	1-1/2" PVC Coup	3	EA	$ 1,641.34	C	$ 49	
	1-1/2" PVC-40 Elbow	3	EA	$ 6,835.60	C	$ 205	
	3/4" 1-Hole Strap	8	EA	$ 729.76	C	$ 55	
	1-1/2" 2-Hole Strap	1	EA	$ 1,537.16	C	$ 19	
	1-1/2" Conduit Hanger w/Bolt	25	EA	$ 2,091.16	C	$ 523	
	2"x3" Base Spacer	11	EA	$ 1,389.30	C	$ 156	
	3/8" Thrd Rod-10Ft	6	EA	$ 12,720.59	C	$ 738	
	3/8" Hex Nut	66	EA	$ 588.87	C	$ 389	
	Flange Beam Clamp for 3/8" Thrd Rod	29	EA	$ 2,643.23	C	$ 767	
	#10 THHN CU Stranded Wire	66	LNFT	$ 1,091.43	M	$ 72	
	#8 THHN CU Stranded Wire	594	LNFT	$ 1,720.69	M	$ 1,022	
	#2 THHN CU Stranded Wire	1,360	LNFT	$ 3,743.22	M	$ 5,091	
	60A/3P HD Fus Safety Sw-Nema 1 (install)	1	EA	$ 305.00	E	$ 305	
	30KVA 240/480Yx120V Three Phase Xfmr (install)	1	EA	$ 1,075.25	E	$ 1,075	
	100A/3P 600V HD Fus Safety Sw-Nema1 (install)	1	EA	$ 750.00	E	$ 750	
	60A 250V RK5 Time Delay Fuse	3	EA	$ 17.36	E	$ 52	
	100A 250V RK5 Time Delay Fuse	3	EA	$ 25.73	E	$ 77	
	12 Gauge 1-5/8 x 1-5/8 Channel	6	LNFT	$ 3,022.78	C	$ 181	
	Cut 12 Gauge 1-5/8x1-5/8 Channel (labor)	2	EA	$ 37.38	E	$ 75	
	Brkr350	1	EA	$ 1,121.25	E	$ 1,121	
	Core Drill Hole	1	EA	$ 273.13	E	$ 273	
	Sleeve	1	EA	$ 184.00	E	$ 184	
	Concrete Ductbank (per ft)	90	LNFT	$ 169.63	E	$ 15,267	
	BCS Equipment install, pads, bollards						**$5,118**
	24kW BCS/bollard (install)	1	EA	$ 5,117.50	E	$ 5,118	
	BCS Equipment Cost						**$18,000**
	24kW BCS Equipment	1	EA	$ 18,000.00	E	$ 18,000	
	Distribution Equipment						**$7,820**
	Distribution Equipment Allowance	1	LS	$ 7,820.00	E	$ 7,820	
31 00 00	**Earthwork**						**$0**
	Incl w/ductbank	-	SF	$ 18.00	E	$ -	
32 00 00	**Site Improvements**						**$3,600**
	Paving	40	SY	$ 90.00	E	$ 3,600	
33 00 00	**Utilities**						**$0**
	Subtotal Construction Cost						$68,696
10%	General Conditions					$ 6,870	
15%	General Contractor OH&P					$ 10,304	
10%	Construction Contingency					$ 6,870	
10%	Design Contingency					$ 6,870	
8%	Escalation (to end of 2025)					$ 5,496	

Opinion of Probable Construction Cost

Project Name: Half Hollow Hills CSD NYSERDA BEB Study Rev.1
Project Owner: Half Hollow Hills CSD
Project Location: Dix Hills, Long Island
Wendel Project Number: 631801
Phase: First Charger Feeder - Alternate
Date: August 16, 2024

DIVISION	DESCRIPTION	QTY	UNIT	UNIT COST	Unit of Measure	SUBTOTAL	DIVISION SUBTOTAL
0%	Phasing					$ -	
	Subtotal					$ 36,409	$105,105
6%	Soft Costs (A/E Fees)						$6,306
	Phase 3 Total						**$111,411**

PSEG Long Island
175 E. Old Country Road
Hicksville, NY 11801

PSEG LONG ISLAND
We make things work for you.

August 19th 2024

Half Hollow Hills SD
25 Burrs Ln
Huntington Station, NY 11746

NOTIFICATION #: 900000202075

Subject : ADDITIONAL SERVICE CHARGES

To whom it may concern:

- ❑ We have completed our detailed estimate to provide an additional service to the property which includes a 1,000kva transformer and building a 3 phase riser

The charge for PSEGLI's work is **$44,069.51. More than $1,000 must be paid by certified or cashier's check.**

Please be advised that all computations are based upon the Long Island Power Authority's Tariff for Electric Service. Any applicable tariff changes become part of this agreement and may affect your charges.

This proposal expires in 180 days from the date of this letter.

If you have any questions regarding this matter please contact Steven Friedman at Steven.Friedman@pseg.com or 516-279-8665

Very truly yours,

W. McMahon
William McMahon
Design Engineer
Distribution Design
Western Suffolk Division

Please make the check payable to PSEGLI including the notification number in the memo and mailed to:

PSEGLI
Operation Support, Lois Holub
1650 Islip Avenue
Brentwood, NY 11717

Section 9 Appendix

Appendix A – Abbreviations

ABBREVIATIONS

Abbreviation	Definition
AHJ	Authority Having Jurisdiction
BEB	Battery Electric Bus
CAD	Computer Aided Design
CSB	Clean School Bus
CSD	Central School District
DC	Direct Current
ECM	Energy Conservation Measure
EPA	Environmental Protection Agency
kV	Kilo Volt
kVA	Kilo Volt Ampere
kW	Kilo Watt
kWh	Kilo Watt hour
Li-NMC-G	Lithium Nickel Manganese Cobalt Oxides
MAX	Maximum
MIN	Minimum
MMBtu	One Million British Thermal Units
MPG	Miles Per Gallon
MT CO2e	Metric Tons of Carbon Dioxide Equivalent
MVA	Mega Volt Ampere
MW	Mega Watt
N/A	Not Applicable
NFPA	National Fire Protection Agency
NYS	New York State
NYSERDA	New York State Energy Research & Development
O&M	Operation & Maintenance
OAT	Outdoor Air Temperature
OEM	Original Equipment Manufacture
PON	Program Opportunity Notice
RFI	Request for Information
SOC	State of Charge
TVIP	Truck Voucher Program
V2G	Vehicle to Grid
V2V	Vehicle to Vehicle

Appendix B - Deliverables

Appendix B.1 - Minutes

Meeting – Kickoff Half Hollow Hills

Thursday, April 4, 2024

1:00 PM

Zoom & Onsite

Introduction:

Adam Kaufman, Wendel PM – Energy Engineer - Attended

Austin Daily, NYSERDA PM - Attended

John Havrilla, Sponsor - Attended

Chris Colvin, Wendel Mechanical Engineer

John Gracey, Wendel Electrical Engineer - Attended

Lefa DeJesus, Wendel Energy Engineer

Jace Dietrich, Wendel Energy Engineer

Amanda Stabell, Wendel Administration - Attended

Shannon Derenches, Wendle Administration - Attended

Maurita Coleman Simpson, Half Hollow Hills CSD - Attended

Sharon Kostrna, Half Hollow Hills CSD

Anne Marie Marrone Caliendo, Half Hollow Hills CSD

- District interested in Grant Writing – Wendel can help assist.
- All information for route analysis – will wrap up and send to District
    - Field trips discussed etc.
    - Sports
- NISBIT program – bus procurement group.
- Monthly billing per Adam
    - Progress and effort
- Coordinate site visits with Maurita – will do this after conceptual study

Appendix B.2 – Task Memos

*** Please note that information within the Task Memos may differ from the report and Final Calculations / Models. This is part of the iterative process.**

MEMO

To:	Anne Marie Caliendo – Half Hollow Hills Central School District
	Austin Daily – NYSERDA
From:	Adam Kaufman, Nitasha Jacob, John Havrilla– Wendel
Date:	June 28, 2024
RE:	Half Hollow Hills Central School District: Task 3: Route Analysis

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Half Hollow Hills Central School District and NYSERDA has requested the help of Wendel to perform a Zero Emissions Vehicle Transition plan utilizing NYSERDA's FlexTech program to evaluate the impact of a transition to zero emission vehicles for their bus fleet. This memo reports on the route analysis portion of the zero emission vehicle transition plan.

The route analysis consists of analyzing the available bus route data for each route to determine the duration and distance required for a bus to complete the route. The analysis develops the anticipated energy requirements per route and determines the minimum battery electric bus (BEB) battery size requirements, charging requirements, and charging durations necessary per route.

Bus Data	
Route Buses	49
Spare Buses	6
Standby Buses*	4
Contracted Buses	100
AM Routes	130
PM Routes	128
PM2 Routes	22
Total Number of Routes	280

*Standby buses are Vehicle 26,52,55, and 56. There are used for field trip and athletics. See appendix for a table of field trips and athletic routes.

Wendel reviewed the route information provided by the district, a copy of the route schedule as received has been included in this memo. The facility advised that bus 15 should be changed to bus 17. Wendel revised routes that had overlapping start and finish times to ensure that we were not double counting the buses time on the road.

After reviewing the route data received, it was noted by Half Hollow Hills that buses 65, 66, 67, and 68 were listed as Type C buses and drive midday and private school late bus routes. Buses 65, 67, and 68 were proposed as type A buses because the passenger capacity was less than 30 passengers. All private school late bus routes were assumed to start at 5:00 PM and were assumed to have durations between 30 minutes and 1 hour based

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on the distance of the route. Some of the routes received from the route schedule appeared to be duplicates, so they were removed for the analysis. For instance, bus 24 – Route MD -HSW to CVS Commack 11:50 AM, and bus 43 – MD 6- HSW to C/O with Para – 10:30 were duplicate line items.

In addition, it was noted that the buses provide transportation for athletics and field trips. Any bus distance less than 45.03 miles could utilize Type A, Type C, or Type D buses dependent on the passenger capacity requirements of the trip. Any bus distance less than 56.35 miles could utilize Type C, or Type D buses dependent on the passenger capacity requirements of the trip. Any bus distance less than 61.31 miles could utilize Type C buses. Any bus distance greater than 61.31 miles can't be driven by a commercially available electric school bus today. The appendix includes a table showing the bus routes and the type of electric vehicle that could be utilized for athletics and field trips.

The route analysis shows that the maximum energy usage per route would be 247.7 kWh. Based on today's BEB technology, there is not currently a battery large enough to be able to perform this route. One type C bus was determined to have routes with an energy usage that exceeds existing battery capacity options. Wendel recommends that this bus be converted to a battery electric bus towards the end of the transition plan. This will allow for the development of larger battery capacities in the future which may enable the district to implement the battery electric buses with the routes as is.

The analysis shows that the maximum energy usage per route within current battery capacity constraints is 198 kWh which, according to the district preferred manufacturer, would require a 315 kW BEB. The anticipated energy usage for each route can be found in the attached spreadsheet.

Based on the route analysis, the proposed charging duration between AM and PM routes ranges from 50 minutes to 4 hours and 43 minutes. The largest charger size proposed based on the analysis is 120 kW. The charging durations for each route can be found in the attached spreadsheet.

Wendel also evaluated seven different bus manufacturers and three different charger sizes ranging from 24 kW to 120 kW. The analysis includes the review of battery capacities, charger levels, and outputs. Wendel has analyzed these bus manufacturers per the existing routes to determine the performance of each bus configuration. The District has stated that they would prefer to utilize IC wherever possible, but since Thomas and IC buses do not offer Type A buses, Lion bus was used for the replacement of Type A buses only. Thus, Wendel has utilized IC as the basis of the investigation for the proposed electric buses.

Three charger sizes were reviewed and include a 24 kW DC charger, 60 kW DC charger (fast charger), and 120 kW DC charger (fast charger). Charger recommendations are based on utilizing one charger per school bus in order to remain conservative. The district may choose to utilize higher kW chargers of at least twice the recommended size which would allow for the charging of two school buses per charger. This would decrease installation and overall charger costs. Another advantage of this approach would be if only one school bus is utilizing the two port charger at any time, that bus's required charging time would decrease.

Wendel has determined that the routes the district has provided will require (7) 120 kW charger, (32) 60 kW chargers and (16) 24 kW chargers. Of the (16) proposed 24 kW chargers, (2) are for spare buses and of the (16) proposed 120kW chargers, (7) are for spare and standby buses assuming these spare and standby buses are used only for field trips and sports trips.

Proposed Charger Quantities				
Charger Size	Route Bus Chargers	Spare Bus Chargers	Contracted Bus Chargers	Total Proposed Chargers
24 kW	14	2	0	**16**
60 kW	32	0	0	**32**
120 kW	3	4	0	**7**

More detail on the charging requirements and number of chargers will be provided in Task 4 – Conceptual Charging Strategy.

Below is a table summarizing the athletics and field trips routes.

Athletics and Field Trips	
Total Number of Athletic Routes	1146
Total Number of Field Trips	877
Total Number of Athletic Routes that will not work	13
Total Number of Field Trips that will not work	69

More detail of the athletic routes and field trip routes are in the Appendix.

Half Hollow Hills Central School District

Route Analysis Calculation

Date. 6/28/24

Task Summary		
Bus Data		
Minutes before Bus Route Begins that Bus is removed from Charger	15	Minutes
Minutes after Bus Route ends that Bus is back on Charger	0	Minutes
District Preferred Manufacturer:	IC, Thomas Built	
Number of AM Routes	129	
Number of PM Routes	127	
Number of PM2 Routes	22	
Total Number of Routes	278	
Duration Based		
Maximum Route Energy Usage	198.0	kWh
Maximum Proposed Bus Size	315.0	kW
Maximum Proposed Charger Size	120.0	kW
Minimum charging duration between AM and PM	0:50	Hours: Min
Maximum charging duration between AM and PM	4:43	Hours: Min
Proposed Charger Quantites[1]		
Quantity of 24 kW DC Chargers	16	
Quantity of 60 kW DC Chargers	32	
Quantity of 120 kW DC Chargers	7	
Proposed Route Bus Quantities[2]		
Quantity of Lion Type A 168 kWh Buses	3	
Quantity of IC Type C 210 kWh Buses	39	
Quantity of IC Type C 315 kWh Buses	7	
Proposed Spare Bus Quantites[3]		
Quantity of Lion Type A 168 kWh Buses	2	
Quantity of IC Type C 210 kWh Buses	6	
Quantity of IC Type C 315 kWh Buses	2	

1. Includes Chargers for Contracted Buses

2. Includes Routes that are performed by Contracted Buses

3. Assumes Spare Buses will be replaced with largest EV bus size corresponding with Bus Type and district preferred manufacturers

Minimum Required Electric Bus Sizes

Bus Number	Bus Type	Full Day High Energy Usage (kWh)	Minimum Bus Size based on Maximum Energy Usage (kWh)	Minimum Bus Size Available Based on Current Manufacturers	Proposed Bus Size and Type Based on District Preferences	Recommended Charger Size Based on Currently Available Technology	Maximum Charger Size Needed
2	Type C	115.81	161	210 kWh - IC	210 kWh - IC	60 kW	26 kW
8	Type C	155.56	216	315 kWh - IC	315 kWh - IC	24 kW	22 kW
9	Type C	101.73	141	155 kWh - Bluebird	210 kWh - IC	24 kW	21 kW
10	Type C	109.09	152	155 kWh - Bluebird	210 kWh - IC	24 kW	21 kW
11	Type C	142.04	197	210 kWh - IC	210 kWh - IC	60 kW	31 kW
12	Type C	139.40	194	210 kWh - IC	210 kWh - IC	60 kW	60 kW
17	Type C	125.64	174	210 kWh - IC	210 kWh - IC	24 kW	24 kW
18	Type C	145.37	202	210 kWh - IC	210 kWh - IC	60 kW	30 kW
20	Type C	148.12	206	210 kWh - IC	210 kWh - IC	60 kW	30 kW
21	Type C	127.14	177	210 kWh - IC	210 kWh - IC	24 kW	23 kW
22	Type C	119.25	166	210 kWh - IC	210 kWh - IC	60 kW	45 kW
24	Type C	167.19	232	315 kWh - IC	315 kWh - IC	60 kW	41 kW
27	Type C	196.57	273	315 kWh - IC	315 kWh - IC	60 kW	44 kW
28	Type C	100.76	140	155 kWh - Bluebird	210 kWh - IC	24 kW	24 kW
29	Type C	138.95	193	210 kWh - IC	210 kWh - IC	60 kW	45 kW
30	Type C	147.46	205	210 kWh - IC	210 kWh - IC	120 kW	120 kW
31	Type C	122.62	170	210 kWh - IC	210 kWh - IC	60 kW	27 kW
32	Type C	136.79	190	210 kWh - IC	210 kWh - IC	60 kW	26 kW
33	Type C	126.51	176	210 kWh - IC	210 kWh - IC	60 kW	29 kW
34	Type C	128.95	179	210 kWh - IC	210 kWh - IC	60 kW	24 kW
35	Type C	103.04	143	155 kWh - Bluebird	210 kWh - IC	24 kW	19 kW
36	Type C	198.03	275	315 kWh - IC	315 kWh - IC	60 kW	31 kW
37	Type C	99.74	139	155 kWh - Bluebird	210 kWh - IC	24 kW	22 kW
41	Type C	119.08	165	210 kWh - IC	210 kWh - IC	60 kW	25 kW
42	Type C	117.31	163	210 kWh - IC	210 kWh - IC	60 kW	25 kW
43	Type C	126.39	176	210 kWh - IC	210 kWh - IC	60 kW	28 kW
44	Type C	125.43	174	210 kWh - IC	210 kWh - IC	60 kW	29 kW
45	Type C	149.80	208	210 kWh - IC	210 kWh - IC	60 kW	60 kW
46	Type C	139.87	194	210 kWh - IC	210 kWh - IC	120 kW	120 kW
47	Type C	107.90	150	155 kWh - Bluebird	210 kWh - IC	60 kW	25 kW
48	Type C	126.98	176	210 kWh - IC	210 kWh - IC	60 kW	27 kW
49	Type C	130.80	182	210 kWh - IC	210 kWh - IC	120 kW	120 kW
50	Type C	113.66	158	210 kWh - IC	210 kWh - IC	60 kW	60 kW
51	Type C	137.54	191	210 kWh - IC	210 kWh - IC	60 kW	29 kW
53	Type C	151.16	210	210 kWh - IC	210 kWh - IC	60 kW	24 kW
54	Type C	194.26	270	315 kWh - IC	315 kWh - IC	60 kW	49 kW
57	Type C	80.29	112	155 kWh - Bluebird	210 kWh - IC	60 kW	60 kW
58	Type C	114.05	158	210 kWh - IC	210 kWh - IC	24 kW	19 kW
59	Type C	114.43	159	210 kWh - IC	210 kWh - IC	24 kW	21 kW
65	Type A	30.95	43	88 kWh - Bluebird	168 kWh - Lion	24 kW	3 kW
66	Type C	170.75	237	315 kWh - IC	315 kWh - IC	24 kW	20 kW
67	Type A	66.92	93	118 kWh - Greenpower	168 kWh - Lion	24 kW	6 kW
68	Type A	69.49	97	118 kWh - Greenpower	168 kWh - Lion	24 kW	6 kW
71	Type C	144.24	200	210 kWh - IC	210 kWh - IC	60 kW	30 kW
73	Type C	149.80	208	210 kWh - IC	210 kWh - IC	60 kW	45 kW

Minimum Required Electric Bus Sizes

Bus Number	Bus Type	Full Day High Energy Usage (kWh)	Minimum Bus Size based on Maximum Energy Usage (kWh)	Minimum Bus Size Available Based on Current Manufacturers	Proposed Bus Size and Type Based on District Preferences	Recommended Charger Size Based on Currently Available Technology	Maximum Charger Size Needed
74	Type C	122.89	171	210 kWh - IC	210 kWh - IC	60 kW	26 kW
76	Type C	120.97	168	210 kWh - IC	210 kWh - IC	60 kW	27 kW
78	Type C	149.80	208	210 kWh - IC	210 kWh - IC	60 kW	45 kW
93	Type C	167.86	233	315 kWh - IC	315 kWh - IC	60 kW	25 kW
Spare - 92	Type C	0.00	0	155 kWh - Bluebird	210 kWh - IC	120 kW	120 kW
Spare - 89	Type C	0.00	0	155 kWh - Bluebird	210 kWh - IC		0 kW
Spare - 79	Type C	0.00	0	155 kWh - Bluebird	210 kWh - IC	120 kW	120 kW
Spare - 72	Type C	0.00	0	155 kWh - Bluebird	210 kWh - IC		0 kW
Spare - 56	Type C	0.00	0	155 kWh - Bluebird	210 kWh - IC	120 kW	120 kW
Spare - 55	Type C	0.00	0	155 kWh - Bluebird	210 kWh - IC		0 kW
Spare - 52	Type C	0.00	0	155 kWh - Bluebird	315 kWh - IC	120 kW	120 kW
Spare - 40	Type C	0.00	0	155 kWh - Bluebird	315 kWh - IC		0 kW
Spare - 26	Type A	0.00	0	88 kWh - Bluebird	168 kWh - Lion	24 kW	0 kW
Spare - 25	Type A	0.00	0	88 kWh - Bluebird	168 kWh - Lion	24 kW	0 kW
73A	Type C	247.73	344	#N/A	#N/A		73 kW

Minimum Required Electric Bus Sizes

Bus Number	Bus Type	Full Day High Energy Usage (kWh)	Minimum Bus Size based on Maximum Energy Usage (kWh)	Minimum Bus Size Available Based on Current Manufacturers	Proposed Bus Size and Type Based on District Preferences	Recommended Charger Size Based on Currently Available Technology	Maximum Charger Size Needed
2	Type C	115.81	161	210 kWh - IC	210 kWh - IC	60 kW	26 kW
8	Type C	155.56	216	315 kWh - IC	315 kWh - IC	24 kW	22 kW
9	Type C	101.73	141	155 kWh - Bluebird	210 kWh - IC	24 kW	21 kW
10	Type C	109.09	152	155 kWh - Bluebird	210 kWh - IC	24 kW	21 kW
11	Type C	142.04	197	210 kWh - IC	210 kWh - IC	60 kW	31 kW
12	Type C	139.40	194	210 kWh - IC	210 kWh - IC	60 kW	60 kW
17	Type C	125.64	174	210 kWh - IC	210 kWh - IC	24 kW	24 kW
18	Type C	145.37	202	210 kWh - IC	210 kWh - IC	60 kW	30 kW
20	Type C	148.12	206	210 kWh - IC	210 kWh - IC	60 kW	30 kW
21	Type C	127.14	177	210 kWh - IC	210 kWh - IC	24 kW	23 kW
22	Type C	119.25	166	210 kWh - IC	210 kWh - IC	60 kW	45 kW
24	Type C	167.19	232	315 kWh - IC	315 kWh - IC	60 kW	41 kW
27	Type C	196.57	273	315 kWh - IC	315 kWh - IC	60 kW	44 kW
28	Type C	100.76	140	155 kWh - Bluebird	210 kWh - IC	24 kW	24 kW
29	Type C	138.95	193	210 kWh - IC	210 kWh - IC	60 kW	45 kW
30	Type C	147.46	205	210 kWh - IC	210 kWh - IC	120 kW	120 kW
31	Type C	122.62	170	210 kWh - IC	210 kWh - IC	60 kW	27 kW
32	Type C	136.79	190	210 kWh - IC	210 kWh - IC	60 kW	26 kW
33	Type C	126.51	176	210 kWh - IC	210 kWh - IC	60 kW	29 kW
34	Type C	128.95	179	210 kWh - IC	210 kWh - IC	60 kW	24 kW
35	Type C	103.04	143	155 kWh - Bluebird	210 kWh - IC	24 kW	19 kW
36	Type C	198.03	275	315 kWh - IC	315 kWh - IC	60 kW	31 kW
37	Type C	99.74	139	155 kWh - Bluebird	210 kWh - IC	24 kW	22 kW
41	Type C	119.08	165	210 kWh - IC	210 kWh - IC	60 kW	25 kW
42	Type C	117.31	163	210 kWh - IC	210 kWh - IC	60 kW	25 kW
43	Type C	126.39	176	210 kWh - IC	210 kWh - IC	60 kW	28 kW
44	Type C	125.43	174	210 kWh - IC	210 kWh - IC	60 kW	29 kW
45	Type C	149.80	208	210 kWh - IC	210 kWh - IC	60 kW	60 kW
46	Type C	139.87	194	210 kWh - IC	210 kWh - IC	120 kW	120 kW
47	Type C	107.90	150	155 kWh - Bluebird	210 kWh - IC	60 kW	25 kW
48	Type C	126.98	176	210 kWh - IC	210 kWh - IC	60 kW	27 kW
49	Type C	130.80	182	210 kWh - IC	210 kWh - IC	120 kW	120 kW
50	Type C	113.66	158	210 kWh - IC	210 kWh - IC	60 kW	60 kW
51	Type C	137.54	191	210 kWh - IC	210 kWh - IC	60 kW	29 kW
53	Type C	151.16	210	210 kWh - IC	210 kWh - IC	60 kW	24 kW
54	Type C	194.26	270	315 kWh - IC	315 kWh - IC	60 kW	49 kW
57	Type C	80.29	112	155 kWh - Bluebird	210 kWh - IC	60 kW	60 kW
58	Type C	114.05	158	210 kWh - IC	210 kWh - IC	24 kW	19 kW
59	Type C	114.43	159	210 kWh - IC	210 kWh - IC	24 kW	21 kW
65	Type A	30.95	43	88 kWh - Bluebird	168 kWh - Lion	24 kW	3 kW
66	Type C	170.75	237	315 kWh - IC	315 kWh - IC	24 kW	20 kW
67	Type A	66.92	93	118 kWh - Greenpower	168 kWh - Lion	24 kW	6 kW
68	Type A	69.49	97	118 kWh - Greenpower	168 kWh - Lion	24 kW	6 kW
71	Type C	144.24	200	210 kWh - IC	210 kWh - IC	60 kW	30 kW
73	Type C	149.80	208	210 kWh - IC	210 kWh - IC	60 kW	45 kW

Minimum Required Electric Bus Sizes

Bus Number	Bus Type	Full Day High Energy Usage (kWh)	Minimum Bus Size based on Maximum Energy Usage (kWh)	Minimum Bus Size Available Based on Current Manufacturers	Proposed Bus Size and Type Based on District Preferences	Recommended Charger Size Based on Currently Available Technology	Maximum Charger Size Needed
74	Type C	122.89	171	210 kWh - IC	210 kWh - IC	60 kW	26 kW
76	Type C	120.97	168	210 kWh - IC	210 kWh - IC	60 kW	27 kW
78	Type C	149.80	208	210 kWh - IC	210 kWh - IC	60 kW	45 kW
93	Type C	167.86	233	315 kWh - IC	315 kWh - IC	60 kW	25 kW
Spare - 92	Type C	0.00	0	155 kWh - Bluebird	210 kWh - IC	120 kW	120 kW
Spare - 89	Type C	0.00	0	155 kWh - Bluebird	210 kWh - IC		0 kW
Spare - 79	Type C	0.00	0	155 kWh - Bluebird	210 kWh - IC	120 kW	120 kW
Spare - 72	Type C	0.00	0	155 kWh - Bluebird	210 kWh - IC		0 kW
Spare - 56	Type C	0.00	0	155 kWh - Bluebird	210 kWh - IC	120 kW	120 kW
Spare - 55	Type C	0.00	0	155 kWh - Bluebird	210 kWh - IC		0 kW
Spare - 52	Type C	0.00	0	155 kWh - Bluebird	315 kWh - IC	120 kW	120 kW
Spare - 40	Type C	0.00	0	155 kWh - Bluebird	315 kWh - IC		0 kW
Spare - 26	Type A	0.00	0	88 kWh - Bluebird	168 kWh - Lion	24 kW	0 kW
Spare - 25	Type A	0.00	0	88 kWh - Bluebird	168 kWh - Lion	24 kW	0 kW

Information Received from the District

VEHICLE #	NAME	ROUTE/ALIAS	DESCRIPTION	# OF STOPS	D. H. MILES	DISTANCE	VEHICLE CAP	# ASSIGNED	START TIME	FINISH TIME	0-00 ACTIVITY MILES	0-15 ACTIVITY MILES	0-45 ACTIVITY MILES	0-20 ACTIVITY MILES	PRIVATE SCHOOL ACTIVITY MILES	EXTRA DAILY	TOTAL APPROX. DAILY MILES
2	HS West - Route 07 - AM	Route 007	SILVA, EMMA	13	2.660146	10.7936	72	37	6:20:00 AM	7:05:00 AM							
2	Candlewood - Route 07 - AM	Route 007	SILVA, EMMA	15	2.608961	8.226755	72	22	7:05:00 AM	7:40:00 AM							
2	Vanderbilt Elem - Rt 07 - AM	Route 007	SILVA, EMMA	18	3.529131	9.367212	72	37	8:23:00 AM	9:05:00 AM							
2	HS West - Route 07 - PM	Route 007	SILVA, EMMA	14	2.840917	10.47501	72	37	2:06:00 PM	2:48:00 PM	15						92
2	Candlewood - Route 07 - PM	Route 007	SILVA, EMMA	15	4.851737	9.526375	72	22	2:29:00 PM	3:01:00 PM							
2	Vanderbilt Elem - Rt 07 - PM	Route 007	SILVA, EMMA	18	2.559812	7.545641	72	37	3:11:00 PM	3:50:00 PM							
8	HS East - Route 72 - AM	Route 072	COUPET, MAGGIE	15	2.211196	10.06656	72	54	6:20:00 AM	7:05:00 AM	15						96
8	Signal Hill Elem - Rt 72 - AM	Route 072	COUPET, MAGGIE	23	0.5990721	6.603736	72	51	8:30:00 AM	9:05:00 AM							
8	HS East - Route 72 - PM	Route 072	COUPET, MAGGIE	16	3.734218	10.48737	72	54	2:06:00 PM	2:48:00 PM							
8	Shuttle WH To HSE, HSW & CW - PM	Route 072	COUPET, MAGGIE	3	0	16.7	72	0	2:45:00 PM	2:55:00 PM							
8	Signal Hill Elem - Rt 72 - PM	Route 072	COUPET, MAGGIE	24	4.904584	12.24805	72	50	3:20:00 PM	4:15:00 PM							
9	HS West - Route 42 - AM	Route 042	MARTINEZ, MARIA	15	5.590165	7.40213	72	29	6:16:00 AM	7:05:00 AM							
9	Candlewood - Route 42 - AM	Route 042	MARTINEZ, MARIA	26	4.317928	7.635273	72	35	7:03:00 AM	7:40:00 AM							
9	Otsego Elem - Rt 42 - AM	Route 042	MARTINEZ, MARIA	24	2.066449	6.61251	72	51	8:30:00 AM	9:05:00 AM							
9	HS West - Route 42 - PM	Route 042	MARTINEZ, MARIA	17	3.18	11.23	72	28	2:06:00 PM	2:45:00 PM			15		40 - bus 66 Chaminade		77
9	Candlewood - Route 42 - PM	Route 042	MARTINEZ, MARIA	26	1.367634	4.567222	72	35	2:40:00 PM	3:06:00 PM							
9	Otsego Elem - Rt 42 - PM	Route 042	MARTINEZ, MARIA	24	1.167634	8.382469	72	51	3:20:00 PM	4:07:00 PM							
10	HS East - Route 32 - AM	Route 032	MESA, MARGARET	18	3.48	9.18	72	30	6:35:00 AM	7:05:00 AM							
10	HS East - Route 32 - PM	Route 032	MESA, MARGARET	18	3.484629	9.183398	72	30	6:35:00 AM	7:05:00 AM	15				10		95
10	West Hollow MS - Rt 32 - AM	Route 032	MESA, MARGARET	17	5.936642	13.70608	72	24	6:51:00 AM	7:40:00 AM							
10	Sunquam Elem - Rt 32 - AM	Route 032	MESA, MARGARET	16	1.78	3.84	72	19	8:45:00 AM	9:05:00 AM							
10	West Hollow MS - Rt 32 - PM	Route 032	MESA, MARGARET	17	3.370898	10.9214	72	24	2:40:00 PM	3:27:00 PM							
10	Sunquam Elem - Rt 32 - PM	Route 032	MESA, MARGARET	16	2.22	4.15	72	19	3:20:00 PM	3:43:00 PM							
11	HS East - Route 27 - AM	Route 027	CHERY, HENDRICKSEN	15	4.48	11.81	72	29	6:16:00 AM	7:05:00 AM							
11	West Hollow MS - Rt 27 - AM	Route 027	CHERY, HENDRICKSEN	19	2.51	12.51	72	26	6:48:00 AM	7:40:00 AM							
11	Signal Hill Elem - Rt 27 - AM	Route 027	CHERY, HENDRICKSEN	17	0.8010215	8.955533	72	32	8:26:00 AM	9:05:00 AM		10					98
11	HS East - Route 27 - PM	Route 027	CHERY, HENDRICKSEN	16	3.6	12.15	72	29	2:06:00 PM	2:49:00 PM							
11	West Hollow MS - Rt 27 - PM	Route 027	CHERY, HENDRICKSEN	19	2.16	12.38	72	26	2:50:00 PM	3:44:00 PM							
11	Signal Hill Elem - Rt 27 - PM	Route 027	CHERY, HENDRICKSEN	18	4.525662	11.20505	72	32	3:13:00 PM	4:04:00 PM							
12	HS East - Route 09 - AM	Route 009	ASMAN, JEFFREY	12	4.773006	12.20977	72	19	6:17:00 AM	7:05:00 AM		8		25		46	94
12	West Hollow MS - Rt 09 - AM	Route 009	ASMAN, JEFFREY	14	1.613988	6.791496	72	16	7:11:00 AM	7:40:00 AM							
12	Shuttle HSE to West Hollow MS-AM	Route 009	ASMAN, JEFFREY	2	0	3.7	72	23	8:05:00 AM	8:20:00 AM							
12	Sunquam Elem - Rt 09 - AM	Route 009	ASMAN, JEFFREY	23	4.543115	10.99603	72	48	8:18:00 AM	9:05:00 AM							
12	MD 2 - MP TECH to HSW/HSE - 10:40 AM	MID-DAY # 02	ASMAN, JEFFREY	4	0	5.3	72	20	10:40:00 AM	11:10:00 AM							
12	MD 2 - HSE/HSW to MP TECH - 11:25 AM	MID-DAY # 02	ASMAN, JEFFREY	3	0	5.1	72	20	11:25:00 AM	11:45:00 AM							
12	HS East - Route 09 - PM	Route 009	ASMAN, JEFFREY	12	3.882402	12.07824	72	19	2:06:00 PM	2:48:00 PM							
12	West Hollow MS - Rt 09 - PM	Route 009	ASMAN, JEFFREY	15	2.249513	7.64689	72	17	2:40:00 PM	3:14:00 PM							
12	Sunquam Elem - Rt 09 - PM	Route 009	ASMAN, JEFFREY	23	1.65554	8.04542	72	48	3:20:00 PM	4:00:00 PM							
17	HS East - Route 70 - AM	Route 070	JEAN FRANCOIS, MACHLY	14	4.06	12.93	72	44	6:10:00 AM	7:05:00 AM							
17	West Hollow MS - Rt 70 - AM	Route 070	JEAN FRANCOIS, MACHLY	19	2.82	10.66	72	33	6:54:00 AM	7:40:00 AM							
17	Paumanok Elem - Rt 70 - AM	Route 070	JEAN FRANCOIS, MACHLY	7	1.36	7.36	72	37	8:32:00 AM	9:05:00 AM							
17	HS East - Route 70 - PM	Route 070	JEAN FRANCOIS, MACHLY	15	3.115025	11.47292	72	44	2:06:00 PM	2:49:00 PM	10		10				89
17	West Hollow MS - Rt 70 - PM	Route 070	JEAN FRANCOIS, MACHLY	19	0.38	3.57	72	34	2:50:00 PM	3:11:00 PM							
17	Paumanok Elem - Rt 70 - PM	Route 070	JEAN FRANCOIS, MACHLY	7	2.4	9.22	72	37	3:20:00 PM	4:04:00 PM							
18	HS East - Route 21 - AM	Route 021	MORALES, GABRIEL	13	5.17	14.51	72	10	6:09:00 AM	7:05:00 AM							
18	West Hollow MS - Rt 21 - AM	Route 021	MORALES, GABRIEL	18	3.38811	11.94009	72	33	6:50:00 AM	7:40:00 AM							
18	Paumanok Elem - Rt 21 - AM	Route 021	MORALES, GABRIEL	24	3.927876	10.4496	72	45	8:17:00 AM	9:05:00 AM			15				105
18	HS East - Route 21 - PM	Route 021	MORALES, GABRIEL	14	4.97	13.94	72	10	2:06:00 PM	2:49:00 PM							
18	West Hollow MS - Rt 21 - PM	Route 021	MORALES, GABRIEL	18	0.6603625	8.191888	72	33	2:40:00 PM	3:21:00 PM							
18	Paumanok Elem - Rt 21 - PM	Route 021	MORALES, GABRIEL	24	2.625	8.504729	72	40	3:20:00 PM	4:10:00 PM							
20	HS East - Route 34 - AM	Route 034	MADDY, ANDRE	23	2.031307	11.65661	72	38	6:14:00 AM	7:05:00 AM							
20	West Hollow MS - Rt 34 - AM	Route 034	MADDY, ANDRE	10	3.07	8.03	72	18	7:08:00 AM	7:40:00 AM	10		15				117
20	Signal Hill Elem - Rt 34 - AM	Route 034	MADDY, ANDRE	24	4.12	11.79	72	47	8:12:00 AM	9:05:00 AM							
20	HS East - Route 34 - PM	Route 034	MADDY, ANDRE	24	4.08	13.68	72	38	2:06:00 PM	2:54:00 PM							
20	West Hollow MS - Rt 34 - PM	Route 034	MADDY, ANDRE	10	4.8	12.02	72	18	2:40:00 PM	3:28:00 PM							
20	Signal Hill Elem - Rt 34 - PM	Route 034	MADDY, ANDRE	24	4.437433	12.04571	72	47	3:20:00 PM	4:13:00 PM							
21	HS East - Route 01 - AM	Route 001	DECEMBRE, PIERRE	17	3.555888	12.66858	66	33	6:11:00 AM	7:05:00 AM							
21	West Hollow MS - Rt 01 - AM		DECEMBRE, PIERRE	7	5.34	9.12	66	21	7:04:00 AM	7:40:00 AM							
21	Sunquam Elem - Rt 01 - AM	Route 001	DECEMBRE, PIERRE	18	4.07	9.98	66	36	8:22:00 AM	9:05:00 AM							
21	HS East - Route 01 - PM	Route 001	DECEMBRE, PIERRE	16	0	8.290931	66	31	2:10:00 PM	2:51:00 PM		15			31		139
21	West Hollow MS - Rt 01 - PM	Route 001	DECEMBRE, PIERRE	7	1.61	5.12	66	21	2:50:00 PM	3:14:00 PM							
21	Sunquam Elem - Rt 01 - PM	Route 001	DECEMBRE, PIERRE	18	4.09	10.44	66	36	3:20:00 PM	4:09:00 PM							
22	HS East - Route 66 - AM	Route 066	MENDOZA, GEORGE	19	2.950641	9.960891	72	42	6:20:00 AM	7:05:00 AM							
22	Otsego Elem - Rt 66 - AM	Route 066	MENDOZA, GEORGE	22	5.05	9.05	72	43	8:39:00 AM	9:05:00 AM							
22	HS East - Route 66 - PM	Route 066	MENDOZA, GEORGE	24	8.691035	16.01957	72	42	2:00:00 PM	2:54:00 PM							
22	West Hollow MS - Rt 66 - PM	Route 066	MENDOZA, GEORGE	13	3.368566	9.76555	72	23	2:40:00 PM	3:23:00 PM							
22	Otsego Elem - Rt 66 - PM	Route 066	MENDOZA, GEORGE	21	0.09	3.93	72	41	3:20:00 PM	3:44:00 PM							
24	HS West - Route 58 - AM	Route 058	HOLLEY, WILLIAM	14	2.928855	9.453436	72	26	6:25:00 AM	7:05:00 AM	10					15	70
24	Shuttle HSW to HSE - AM*	Route 058	HOLLEY, WILLIAM	2	0	2.5	72	22	7:05:00 AM	7:09:00 AM							
24	Vanderbilt Elem - Rt 58 - AM	Route 058	HOLLEY, WILLIAM	19	3.72	9.89	72	36	8:21:00 AM	9:05:00 AM							
24	MD 9- HSW to CVS Commack - 11:50 AM	MID-DAY # 09	HOLLEY, WILLIAM	MON. STAND BY		17.2			11:50:00 AM	12:50:00 PM							
24	MD 9 - HSW to ShopRite Commack- 11:50 AM	MID-DAY # 09	HOLLEY, WILLIAM	2	0	17.6	72	0	11:50:00 AM	1:00:00 PM							
24	HS West - Route 58 - PM	Route 058	HOLLEY, WILLIAM	15	3.185771	9.034085	72	26	2:06:00 PM	2:39:00 PM							
24	AHAP #2 @ CANDLEWOOD- 2:40	Route 058	HOLLEY, WILLIAM	4	0	8	72	0	2:40:00 PM	3:10:00 PM							
24	Vanderbilt Elem - Rt 58 - PM	Route 058	HOLLEY, WILLIAM	MAJESTIC / ARISTA	19	1.24	6.16	72	34	3:20:00 PM	3:49:00 PM						
27	HS East - Route 13 - AM	Route 013	GARCIA, ESPERANZA	BLACK OAK CT;CARMAN RD;COUNTRY POINTE	14	2.709924	7.867681	72	21	6:32:00 AM	7:05:00 AM						
27	West Hollow MS - Rt 13 - AM	Route 013	GARCIA, ESPERANZA	WILDWOOD;RUSTIC GATE;RYDER	16	2.61	10.22	72	29	6:57:00 AM	7:40:00 AM						
27	Paumanok Elem - Rt 13 - AM	Route 013	GARCIA, ESPERANZA	RUSTIC GATE;WILDWOOD	19	1.09	5.84	72	37	8:36:00 AM	9:05:00 AM						
27	MD 8 - HSW to ShopRite & CVS (DP) - 11:50 AM	MID-DAY # 08	GARCIA, ESPERANZA		3	0	9.8	72	0	11:50:00 AM	1:00:00 PM						
27	MD - HSW To Walgreens (DP) - 11:50 AM	MID-DAY # 08	GARCIA, ESPERANZA		2	0	10.7	72	0	11:50:00 AM	1:00:00 PM						
27	HS East - Route 13 - PM	Route 013	GARCIA, ESPERANZA	BLACK OAK CT;CARMAN RD;COUNTRY POINTE	15	5.857986	10.03962	72	21	2:06:00 PM	2:39:00 PM	15					87
27	West Hollow MS - Rt 13 - PM	Route 013	GARCIA, ESPERANZA	WILDWOOD;RUSTIC GATE;RYDER	13	2.35	9.22	72	29	2:40:00 PM	3:20:00 PM						
27	Paumanok Elem - Rt 13 - PM	Route 013	GARCIA, ESPERANZA	RUSTIC GATE;WILDWOOD	19	4.54	9.54	72	37	3:20:00 PM	4:07:00 PM						
28	HS West - Route 80 - AM	Route 080	GUIDA, JOANN	HUNTING HILL;PEPPERMILL;STONYWELL	16	7.622652	14.69559	72	33	6:06:00 AM	7:05:00 AM	15			40 - bus 68 Kellenberg		87
28	Vanderbilt Elem - Rt 80 - AM	Route 080	GUIDA, JOANN	VANDERBILT PKWY / RANDOLPH / VILLAGE HILL	24	3.44	10.39	72	45	8:18:00 AM	9:05:00 AM						
28	HS West - Route 80 - PM	Route 080	GUIDA, JOANN	HUNTING HILL;PEPPERMILL;STONYWELL	17	9.007092	17.37218	72	33	1:54:00 PM	2:53:00 PM						
28	Vanderbilt Elem - Rt 80 - PM	Route 080	GUIDA, JOANN	VANDERBILT PKWY / RANDOLPH / VILLAGE HILL	24	1.3	8.51	72	44	3:20:00 PM	3:56:00 PM						
29	HS East - Route 59 - AM	Route 059	ANTONELLI, ROBERT	ARCADIA, WOODLAWN,CLARENDON,,LONGWORTH	16	3.41	8.56	72	34	6:27:00 AM	7:05:00 AM						
29	Candlewood - Route 59 - AM	Route 059	ANTONELLI, ROBERT	PEPPERMILL / STONYWELL	13	0	5.402098	72	19	7:16:00 AM	7:40:00 AM						
29	Shuttle HSW to Candlewood MS- AM	Route 059	ANTONELLI, ROBERT		2	0	4.8	72	11	8:03:00 AM	8:18:00 AM						
29	HS East - Route 59 - PM	Route 059	ANTONELLI, ROBERT	ARCADIA, WOODLAWN,CLARENDON,,LONGWORTH	17	4.659067	9.559176	72	34	2:06:00 PM	2:41:00 PM	10				9	64
29	Candlewood - Route 59 - PM	Route 059	ANTONELLI, ROBERT	PEPPERMILL / STONYWELL	13	1.622948	8.98466	72	19	2:40:00 PM	3:11:00 PM						
30	HS East - Route 05 - AM	Route 005	LINSALATA, MICHAEL	HILLTOP; PHAETONS & OLD COUNTRY RD	11	5.2589	11.8898	72	15	6:19:00 AM	7:05:00 AM						
30	West Hollow MS - Rt 05 - AM	Route 005	LINSALATA, MICHAEL	ROUND SWAMP RD;MANETTO HILL RD;PHAETONS	13	5.66	12.94	72	19	6:49:00 AM	7:40:00 AM						
30	Sunquam Elem - Rt 05 - AM	Route 005	LINSALATA, MICHAEL	BEECHWOOD / DOGWOOD / MELVILLE RD	30	3.67474	12.47299	72	49	8:08:00 AM	9:05:00 AM						
30	MD 3 - NTHPT TECH to HSW/& HSE- 10:40 AM	MID-DAY # 03	LINSALATA, MICHAEL		3	0	18.1	72	12	10:40:00 AM	11:05:00 AM						
30	MD 3 - HSE/HSW to NTHPT TECH - 11:25 AM	MID-DAY # 03	LINSALATA, MICHAEL		3	0	18.3	72	12	11:25:00 AM	11:40:00 AM						
30	HS East - Route 05 - PM	Route 005	LINSALATA, MICHAEL	HILLTOP; PHAETONS & OLD COUNTRY RD	12	3.474288	12.80199	72	15	2:06:00 PM	2:42:00 PM						
30	West Hollow MS - Rt 05 - PM	Route 005	LINSALATA, MICHAEL	ROUND SWAMP RD;MANETTO HILL RD;PHAETONS	13	1.36	11.67	72	16	2:50:00 PM	3:37:00 PM	15		20			130
30	Sunquam Elem - Rt 05 - PM	Route 005	LINSALATA, MICHAEL	BEECHWOOD / DOGWOOD / MELVILLE RD	30	1.905602	12.33651	72	49	3:20:00 PM	4:16:00 PM						
31	HS West - Route 02 - AM	Route 002	VASQUEZ, NESTOR	LANDSCAPE, MAIN, WOODSTOCK,W. FARM DR	17	2.055511	7.778741	75	47	6:28:00 AM	7:05:00 AM						
31	West Hollow MS - Rt 02 - AM	Route 002	VASQUEZ, NESTOR	MOMI;MONTROSE;REDMONT	11	3.07	8.41	72	15	7:06:00 AM	7:40:00 AM	10					84
31	Signal Hill Elem - Rt 02 - AM	Route 002	VASQUEZ, NESTOR	THREEPENCE; FARMINGTON; LONG DRIVE	23	1.162069	10.37544	72	39	8:18:00 AM	9:05:00 AM						
31	HS West - Route 02 - PM	Route 002	VASQUEZ, NESTOR	LANDSCAPE, MAIN, WOODSTOCK,W. FARM DR	18	5.54313	11.26705	72	49	1:55:00 PM	2:55:00 PM						
31	West Hollow MS - Rt 02 - PM	Route 002	VASQUEZ, NESTOR	MOMI;MONTROSE;REDMONT	11	3.17	7.54	72	15	2:40:00 PM	3:13:00 PM						
31	Signal Hill Elem - Rt 02 - PM	Route 002	VASQUEZ, NESTOR	THREEPENCE; FARMINGTON; LONG DRIVE	23	2.470842	11.69995	72	39	3:20:00 PM	4:16:00 PM						
32	HS East - Route 30 - AM	Route 030	REIMAN, KENNETH	WILMINGTON, TWELVEPENCE;BARRINGTON,BAUMONT;ROUNDTREE	18	0.97	7.06	72	29	6:32:00 AM	7:05:00 AM						
32	West Hollow MS - Rt 30 - AM	Route 030	REIMAN, KENNETH	NORTHCOTE;WILMINGTON	15	3.544887	0.092784	72	24	7:02:00 AM	7:40:00 AM						
32	Vanderbilt Elem - Rt 30 - AM	Route 030	REIMAN, KENNETH	DUPONT;HUNTING HOLLOW	16	1.99	10.86	72	28	8:20:00 AM	9:05:00 AM						
32	HS East - Route 30 - PM	Route 030	REIMAN, KENNETH	WILMINGTON, TWELVEPENCE;BARRINGTON,BAUMONT;ROUNDTREE	19	4.636598	10.49622	72	32	2:06:00 PM	2:49:00 PM	15		15			120
32	West Hollow MS - Rt 30 - PM	Route 030	REIMAN, KENNETH	NORTHCOTE;WILMINGTON	15	5.099573	9.705355	72	24	2:40:00 PM	3:23:00 PM						
32	Vanderbilt Elem - Rt 30 - PM	Route 030	REIMAN, KENNETH	DUPONT;HUNTING HOLLOW	17	1.83	15.02	72	27	3:01:00 PM	4:05:00 PM						
33	HS West - Route 40 - AM	Route 040	JOHNSON , DENNIS	WATERFORD; CONKLIN	19	2.1	8.03	72	46	6:27:00 AM	7:05:00 AM		10	15			110
33	West Hollow MS - Rt 40 - AM	Route 040	JOHNSON , DENNIS	CEDAR GROVE;CABROLET;LOUIS;OLD BRIDGE	11	2.92	12.38	72	12	6:54:00 AM	7:40:00 AM						
33	Sunquam Elem - Rt 40 - AM	Route 040	JOHNSON , DENNIS	Walt Whitman Rd / VILLAS DR / PALM HILL COURT	17	2.44	7.03	72	22	8:34:00 AM	9:05:00 AM						
33	HS West - Route 40 - PM	Route 040	JOHNSON , DENNIS	WATERFORD; CONKLIN	20	5.33	11.17	72	45	2:06:00 PM	2:47:00 PM						
33	West Hollow MS - Rt 40 - PM	Route 040	JOHNSON , DENNIS	CEDAR GROVE;CABROLET;LOUIS;OLD BRIDGE	11	2.92	12.38	72	12	2:50:00 PM	3:35:00 PM						
33	Sunquam Elem - Rt 40 - PM	Route 040	JOHNSON , DENNIS	Walt Whitman Rd / VILLAS DR / PALM HILL COURT	16	2.28	8.92	72	22	3:20:00 PM	3:51:00 PM						
34	HS West - Route 37 - AM	Route 037	BONAFACIO, LUIS	LEE AVE; PERRY LN; WILLOW	13	2.639693	7.807912	72	30	6:30:00 AM	7:05:00 AM						
34	Candlewood - Route 37 - AM	Route 037	BONAFACIO, LUIS	COBBLERS / SPINNING WHEEL	17	2.789287	8.201054	72	27	7:04:00 AM	7:40:00 AM						
34	Vanderbilt Elem - Rt 37 - AM	Route 037	BONAFACIO, LUIS	SUNSET / MIDLAND	11	3.91	9.02	72	24	8:28:00 AM	9:05:00 AM	12					96
34	HS West - Route 37 - PM	Route 037	BONAFACIO, LUIS	LEE AVE; PERRY LN; WILLOW	14	5.782614	10.90237	72	39	2:06:00 PM	2:44:00 PM						
34	Candlewood - Route 37 - PM	Route 037	BONAFACIO, LUIS	COBBLERS / SPINNING WHEEL	17	2.140685	8.431197	72	27	2:50:00 PM	3:21:00 PM						
34	Vanderbilt Elem - Rt 37 - PM	Route 037	BONAFACIO, LUIS	SUNSET / MIDLAND	12	0.94	13.35	72	24	3:11:00 PM	4:06:00 PM						
35	HS East - Route 17 - AM	Route 017	CURRAN, PATRICIA	FOX;DANNY CT; LONG DRIVE	14	0.63	4.89	72	38	6:41:00 AM	7:05:00 AM						
35	Candlewood - Route 17 - AM	Route 017	CURRAN, PATRICIA	CHABLIS / HUNTING HOLLOW / WESTMINSTER	16	1.458951	9.085951	72	19	7:02:00 AM	7:40:00 AM						
35	Paumanok Elem - Rt 17 - AM	Route 017	CURRAN, PATRICIA	STRAIGHT PATH-EAST, OLD COUNTRY RD	15	2.463285	9.310746	72	31	8:39:00 AM	9:05:00 AM			15			73
35	HS East - Route 17 - PM	Route 017	CURRAN, PATRICIA	FOX;DANNY CT; LONG DRIVE	15	5.536552	8.637552	72	38	2:06:00 PM	2:42:00 PM						
35	Candlewood - Route 17 - PM	Route 017	CURRAN, PATRICIA	CHABLIS / HUNTING HOLLOW / WESTMINSTER	17	1.126572	8.460171	72	22	2:50:00 PM	3:22:00 PM						
35	Paumanok Elem - Rt 17 - PM	Route 017	CURRAN, PATRICIA	STRAIGHT PATH-EAST, OLD COUNTRY RD	15	3.682982	6.951179	72	32	3:20:00 PM	3:55:00 PM						
36	HS West - Route 43 - AM	Route 043	HERNANDEZ, GLORIA	MARLIN; MILLET; WESTMINSTER	13	3.825948	9.293933	72	25	6:26:00 AM	7:05:00 AM						
36	Candlewood - Route 43 - AM	Route 043	HERNANDEZ, GLORIA	CHARTER / APRIL / MARLIN	24	4.84	9.07	72	47	6:57:00 AM	7:40:00 AM		15		30		112
36	Otsego Elem - Rt 43 - AM	Route 043	HERNANDEZ, GLORIA	CARLLS STRAIGHT PATH W & E	26	0.5728868	2.794414	72	47	8:43:00 AM	9:05:00 AM						
36	HS West - Route 43 - PM	Route 043	HERNANDEZ, GLORIA	MARLIN; MILLET; WESTMINSTER	14	2.978447	7.862297	72	25	2:06:00 PM	2:40:00 PM						
36	Candlewood - Route 43 - PM	Route 043	HERNANDEZ, GLORIA	CHARTER / APRIL / MARLIN	24	0.6503978	5.536011	72	47	2:50:00 PM	3:20:00 PM						
36	Otsego Elem - Rt 43 - PM	Route 043	HERNANDEZ, GLORIA	CARLLS STRAIGHT PATH W & E	26	0.5440618	2.835891	72	45	3:20:00 PM	3:46:00 PM						
37	HS East - Route 04 - AM	Route 004	LEO SOTO, FRANCISCO	ELDERWOOD, CATHERWOOD, FLEETWOOD & NY AVE	18	3.6	8.23	72	31	6:28:00 AM	7:05:00 AM						
37	West Hollow MS - Rt 04 - AM	Route 004	LEO SOTO, FRANCISCO	VILLAGES	12	3.14	8.93	75	22	7:10:00 AM	7:40:00 AM						
37	Signal Hill Elem - Rt 04 - AM	Route 004	LEO SOTO, FRANCISCO	FLEETWOOD;ELDERWOOD	17	3.465612	7.132434	72	43	8:31:00 AM	9:05:00 AM	10					77
37	HS East - Route 04 - PM	Route 004	LEO SOTO, FRANCISCO	ELDERWOOD, CATHERWOOD, FLEETWOOD & NY AVE	18	4.410342	8.860398	72	31	2:00:00 PM	2:30:00 PM						
37	West Hollow MS - Rt 04 - PM	Route 004	LEO SOTO, FRANCISCO	VILLAGES	13	4.4139	9.06074	72	22	2:40:00 PM	3:13:00 PM						
37	Signal Hill Elem - Rt 04 - PM	Route 004	LEO SOTO, FRANCISCO	FLEETWOOD;ELDERWOOD	17	2.285487	6.537629	72	43	3:20:00 PM	3:57:00 PM						
41	HS East - Route 19 - AM	Route 019	FLANC, APRIL	SCOTT;FIELDING;ENCLAVE	18	3.748597	10.75872	72	37	6:18:00 AM	7:05:00 AM						
41	West Hollow MS - Rt 19 - AM	Route 019	FLANC, APRIL	COUNTRY POINTE-COSTCO	8	6.67	9.09	72	9	7:04:00 AM	7:40:00 AM						
41	Sunquam Elem - Rt 19 - AM	Route 019	FLANC, APRIL	GAFFODIL / REEVES / SPAGNOLI (ext. stay)	13	3.2	9.99	72	33	8:23:00 AM	9:05:00 AM	15			14		111
41	HS East - Route 19 - PM	Route 019	FLANC, APRIL	SCOTT;FIELDING;ENCLAVE	19	5.559624	11.35408	72	39	2:06:00 PM	2:47:00 PM						
41	West Hollow MS - Rt 19 - PM	Route 019	FLANC, APRIL	COUNTRY POINTE-COSTCO	8	3.07	5.43	72	9	2:50:00 PM	3:13:00 PM						
41	Sunquam Elem - Rt 19 - PM	Route 019	FLANC, APRIL	GAFFODIL / REEVES / SPAGNOLI (ext. stay)	13	3.17	10.17	72	32	3:20:00 PM	4:06:00 PM						
42	HS East - Route 67 - AM	Route 067	SMITH, JAMES	MAIN,

VEHICLE #	NAME	ROUTE/ALIAS		DESCRIPTION	# OF STOPS	D. H. MILES	DISTANCE	VEHICLE CAP	# ASSIGNED	START TIME	FINISH TIME	5:00 ACTIVITY MILES	5:15 ACTIVITY MILES	4:45 ACTIVITY MILES	5:20 ACTIVITY MILES	PRIVATE SCHOOL ACTIVITY MILES	EXTRA DAILY	TOTAL APPROX. DAILY MILES
42	HS East - Route 67 - PM	Route 067	SMITH, JAMES	MAIN, ANDREWS,NICOLLS	12	4.419127	9.87087	72	41	2:06:00 PM	2:44:00 PM							
42	West Hollow MS - Rt 67 - PM	Route 067	SMITH, JAMES	CALUMET FIELDING,IBSEN,SCOTT,TRUXTON	17	0.19	7.13	72	31	2:40:00 PM	3:16:00 PM							
42	Paumanok Elem - Rt 67 - PM	Route 067	SMITH, JAMES	AVALON, COUNTRY POINTE	14	1.840906	8.704735	72	43	3:20:00 PM	3:57:00 PM							
43	HS West - Route 06 - AM	Route 006	BARONE, MARGARET	OIX HWY, PINE HILL CT., PERRI, LINCOLN & SHERWOOD CRESCENT	26	3.766627	11.36381	72	35	6:19:00 AM	7:05:00 AM		10		20			76
43	Shuttle HSE to HSW- AM*	Route 006	BARONE, MARGARET		2	0	2.5	72	10	7:10:00 AM	7:14:00 AM							
43	Otsego Elem - Rt 06 - AM	Route 009	BARONE, MARGARET	DEER PARK RD-EAST;OLD COUNTRY;OLD BROOK	24	0.3598346	6.079319	72	43	8:33:00 AM	9:05:00 AM							
43	MID 6 - HSW TO C/O With Para -	MID-DAY # 06	BARONE, MARGARET	MON, HSW -->DSW; 1919 e. Jericho tpke.(Katie Lewis w/ Para RET.10:30			9.5	add 6 mi		10:00:00 AM	10:30:00 AM							
43	MID 6 - HSW TO C/O With Para - 10:30	MID-DAY # 06	BARONE, MARGARET	MON. HSW -->DSW; 1919 e. Jericho tpke.(Katie Lewis w/ Para RET.10:30			9.5	add 6 mi		10:00:00 AM	10:30:00 AM							
43	HS West - Route 06 - PM	Route 006	BARONE, MARGARET	OIX HWY, PINE HILL CT., PERRI, LINCOLN & SHERWOOD CRESCENT	26	2.493786	10.00573	72	35	2:06:00 PM	2:44:00 PM							
43	AHAP @ CANDLEWOOD - 2:40	Route 006	BARONE, MARGARET		3	0	2	72	0	2:40:00 PM	2:59:00 PM							
43	Otsego Elem - Rt 06 - PM	Route 006	BARONE, MARGARET	DEER PARK RD-EAST;OLD COUNTRY;OLD BROOK	25	0.3299144	7.38417	72	43	3:20:00 PM	4:02:00 PM							
44	HS West - Route 35 - AM	Route 035	CROWDER, MARIE	APRIL, EUCLID, OLD COUNTRY RD	17	4.263	11.41435	72	39	6:16:00 AM	7:05:00 AM							
44	Candlewood - Route 35 - AM	Route 035	CROWDER, MARIE	VANDERBILT PKWY / SUNCREST	16	3.582856	11.18619	72	24	6:54:00 AM	7:40:00 AM							
44	Vanderbilt Elem - Rt 35 - AM	Route 035	CROWDER, MARIE	SLEEPY HOLLOW / RYDER / HAIG	20	2.738684	8.623357	72	28	8:27:00 AM	9:05:00 AM							
44	HS West - Route 35 - PM	Route 035	CROWDER, MARIE	APRIL, EUCLID, OLD COUNTRY RD	18	3.834987	11.2047	72	38	2:06:00 PM	2:48:00 PM		10					93
44	Candlewood - Route 35 - PM	Route 035	CROWDER, MARIE	VANDERBILT PKWY / SUNCREST	16	1.524029	8.245397	72	24	2:50:00 PM	3:20:00 PM							
44	Vanderbilt Elem - Rt 35 - PM	Route 035	CROWDER, MARIE	SLEEPY HOLLOW / RYDER / HAIG	21	5.010588	11.32994	72	26	3:11:00 PM	4:02:00 PM							
45	HS East - Route 63 - AM	Route 063	PEREZ, MYRNA	CAMBRIDGE, BENNINGTON,ARLINGTON,ROSS , MEADOWDALE DR	17	3.279132	9.353453	72	35	6:23:00 AM	7:05:00 AM							
45	West Hollow MS - Rt 63 - AM	Route 063	PEREZ, MYRNA	STRATHMORE;AVALON;REPUBLIC	9	5.480187	9.846595	72	31	7:00:00 AM	7:40:00 AM	20					14	87
45	HS East - Route 63 - PM	Route 063	PEREZ, MYRNA	CAMBRIDGE, BENNINGTON,ARLINGTON,ROSS , MEADOWDALE DR	19	3.685392	9.853365	72	35	2:06:00 PM	2:43:00 PM							
45	West Hollow MS - Rt 63 - PM	Route 063	PEREZ, MYRNA	STRATHMORE;AVALON;REPUBLIC	8	4.232712	7.721457	72	30	2:40:00 PM	3:16:00 PM							
46	HS East - Route 24 - AM	Route 024	SANCHEZ, RAMON	ARBOR, LISA, SEQUOIA, PEAR,SUSAN, BLUESPRUCE, MAGNOLIA, WOLF HILL RD	19	1.937218	8.537631	72	31	6:33:00 AM	7:05:00 AM							
46	West Hollow MS - Rt 24 - AM	Route 024	SANCHEZ, RAMON	HH RD;FOX;WEDGEWOOD;LONG DRIVE	19	0.92	8.75	72	30	7:01:00 AM	7:40:00 AM							
46	Vanderbilt Elem - Rt 24 - AM	Route 024	SANCHEZ, RAMON	BROWN/LANDSCAPE/WEST FARM	12	3.81	9.67	72	39	8:23:00 AM	9:05:00 AM							
46	MID 4 - REPB TECH to HSE/HSW - 10:40 AM	MID-DAY # 04	SANCHEZ, RAMON		3	0	18.1	72	5	10:40:00 AM	11:05:00 AM							
46	MID 4 - HSE/HSW to REPB TECH - 11:25 AM	MID-DAY # 04	SANCHEZ, RAMON		5	0	17.7	72	9	11:25:00 AM	11:50:00 AM							
46	HS East - Route 24 - PM	Route 024	SANCHEZ, RAMON	ARBOR, LISA, SEQUOIA, PEAR,SUSAN, BLUESPRUCE, MAGNOLIA, WOLF HILL RD	20	6.739289	11.20241	72	31	2:06:00 PM	2:46:00 PM							
46	West Hollow MS - Rt 24 - PM	Route 024	SANCHEZ, RAMON	HH RD;FOX;WEDGEWOOD;LONG DRIVE	19	2.38	10.28	72	30	2:50:00 PM	3:38:00 PM							
46	Vanderbilt Elem - Rt 24 - PM	Route 024	SANCHEZ, RAMON	BROWN/LANDSCAPE/WEST FARM	13	7.42	13.48	72	39	3:01:00 PM	4:01:00 PM		15		20			118
47	HS West - Route 52 - AM	Route 052	SPATZ, GEORGE	PHEASANT RUN, BALDWIN PATH	14	4.514589	10.43486	72	46	6:20:00 AM	7:05:00 AM							
47	Candlewood - Route 52 - AM	Route 052	SPATZ, GEORGE	BROWNS / FOOTHILL / SUNSET	14	3.4452	8.965082	72	31	7:01:00 AM	7:40:00 AM							
47	Paumanok Elem - Rt 52 - AM	Route 052	SPATZ, GEORGE	FIELDING,MARYLAND	21	3.878699	8.896208	72	58	8:32:00 AM	9:05:00 AM							
47	HS West - Route 52 - PM	Route 052	SPATZ, GEORGE	PHEASANT RUN, BALDWIN PATH	15	8.99	16.43	72	44	1:54:00 PM	2:47:00 PM							
47	Candlewood - Route 52 - PM	Route 052	SPATZ, GEORGE	BROWNS / FOOTHILL / SUNSET	14	1.847609	6.753274	72	31	2:50:00 PM	3:17:00 PM							
47	Paumanok Elem - Rt 52 - PM	Route 052	SPATZ, GEORGE	FIELDING,MARYLAND	21	0.2005501	3.299242	72	58	3:20:00 PM	3:50:00 PM		10					84
48	HS East - Route 08 - AM	Route 008	WEST, LUTHER	BEECHWOOD, SPENCER, REEVES & MELVILLE RD	11	4.439563	15.78861	72	22	6:04:00 AM	7:05:00 AM	15						90
48	West Hollow MS - Rt 08 - AM	Route 008	WEST, LUTHER	BLACK OAK;HIGH PASTURE;MELROSE;ETNA	18	0.6391125	8.933122	72	28	7:01:00 AM	7:40:00 AM							
88	MID 10 HSW to The Nicholas Center- 9:25 AM	MID-DAY # 10	WEST, LUTHER	Theoharris Konstantatos (with 1:1 para at HSW) going from HSW to The Nicholas Center on Wednesdays, Thursdays and Fridays from 10 AM - 1 PM. Jacob Spitzer goes every day.			45.8			10:00:00 AM	1:00:00 PM							
48	Signal Hill Elem - Rt 08 - AM	Route 008	WEST, LUTHER	LISA DR;NORMA LN;WOLF HILL RD	20	2.024645	6.525644	72	39	8:31:00 AM	9:05:00 AM							
48	HS East - Route 08 - PM	Route 008	WEST, LUTHER	BEECHWOOD, SPENCER, REEVES & MELVILLE RD	13	4.633504	15.72979	72	22	2:06:00 PM	2:51:00 PM							
48	West Hollow MS - Rt 08 - PM	Route 008	WEST, LUTHER	BLACK OAK;HIGH PASTURE;MELROSE;ETNA	18	0.7244104	7.799734	72	28	2:50:00 PM	3:28:00 PM							
48	Signal Hill Elem - Rt 08 - PM	Route 008	WEST, LUTHER	LISA DR;NORMA LN;WOLF HILL RD	26	0.5288254	4.8983	72	39	3:20:00 PM	3:53:00 PM							
49	HS West - Route 29 - AM	Route 029	HERNANDEZ, ANA	PRINCETON; VILLANOVA	11	3.02	9.6	72	18	6:26:00 AM	7:05:00 AM							
49	Candlewood - Route 29 - AM	Route 029	HERNANDEZ, ANA	LUCILLE / PARSONS / FOLGER	19	2.0677733	11.49112	72	20	6:52:00 AM	7:40:00 AM							
49	Vanderbilt Elem - Rt 29 - AM	Route 029	HERNANDEZ, ANA	VANDERBILT PKWY/LUCILLE/SANDRA	30	4.207165	11.45311	72	47	8:13:00 AM	9:05:00 AM							
49	MID 5 - LISA TECH to HSW & HSE- 10:40 AM	MID-DAY # 05	HERNANDEZ, ANA		3	0	15.2	72	2	10:40:00 AM	11:05:00 AM							
49	MID 5 - HSE & HSW to LISA TECH - 11:25 AM	MID-DAY # 05	HERNANDEZ, ANA		3	0	11.9	72	6	11:25:00 AM	11:50:00 AM							
49	HS West - Route 29 - PM	Route 029	HERNANDEZ, ANA	PRINCETON; VILLANOVA	12	5.770392	10.66428	72	18	2:06:00 PM	2:39:00 PM							
49	Candlewood - Route 29 - PM	Route 029	HERNANDEZ, ANA	LUCILLE / PARSONS / FOLGER	19	0.8502854	9.3086	72	20	2:40:00 PM	3:13:00 PM							
49	Vanderbilt Elem - Rt 29 - PM	Route 029	HERNANDEZ, ANA	VANDERBILT PKWY/LUCILLE/SANDRA	31	4.112894	11.20653	72	47	3:11:00 PM	4:08:00 PM		10		20			88
50	HOME- HSE/HSW to MP TECH- ROUTE 56 7:30AM	Route 056	CALCAGNO, GLORIA		3	5	15	72	19	7:25:00 AM	7:50:00 AM							
50	HSW to P.O.W.- 8:50 AM	Route 056	CALCAGNO, GLORIA	HSW to WORK SITES TBA	3	8	8	72	0	8:48:00 AM	9:08:00 AM							
50	Shuttle HSE to HSW- PM*	Route 056	CALCAGNO, GLORIA	HSE to HSW shuttle between schools	2	2	3	72	22	2:05:00 PM	2:10:00 PM							
50	MP TECH to HSW/HSE- HOME - 2:20PM	Route 056	CALCAGNO, GLORIA		3	10	15	72	24	2:40:00 PM	3:00:00 PM	20					16	82
51	HS East - Route 69 - AM	Route 069	WARNER, ALOIS(RUSTY)	HALF HOLLOW RD;JAGGER;HEMMINGWAY	28	1.928457	14.36536	72	37	6:03:00 AM	7:05:00 AM							
51	West Hollow MS - Rt 69 - AM	Route 069	WARNER, ALOIS(RUSTY)	ROUNDTREE;CALVERTON;BEAUMONT	10	2.48	8.39	72	14	7:13:00 AM	7:40:00 AM							
51	Signal Hill Elem - Rt 69 - AM	Route 069	WARNER, ALOIS(RUSTY)	THREEPENCE;BEAUMONT;WOODMONT	26	2.638287	8.714714	72	45	8:20:00 AM	9:05:00 AM							
51	HS East - Route 69 - PM	Route 069	WARNER, ALOIS(RUSTY)	HALF HOLLOW RD;JAGGER;HEMMINGWAY	29	4.675797	18.50884	72	36	2:06:00 PM	3:08:00 PM							
51	West Hollow MS - Rt 69 - PM	Route 069	WARNER, ALOIS(RUSTY)	ROUNDTREE;CALVERTON;BEAUMONT	10	2.87	5.49	72	14	2:40:00 PM	3:00:00 PM							
51	Signal Hill Elem - Rt 69 - PM	Route 069	WARNER, ALOIS(RUSTY)	THREEPENCE;BEAUMONT;WOODMONT	26	2.564087	9.372081	72	45	3:20:00 PM	4:08:00 PM		10					92
53	HOME TO OIX HILL TECH - 7:10 AM	Route 011	WEITZEL, ALYCE		7	4.342663	16.75447	72	1	6:49:00 AM	7:50:00 AM							
53	HSE/HSW to OIX HILLS TECH - 7:30AM	Route 011	WEITZEL, ALYCE		3	5	13.3	72	48	7:30:00 AM	7:55:00 AM							
53	Signal Hill Elem - Rt 11 - AM	Route 011	WEITZEL, ALYCE	PETTIT,COUNTRY POINTE,ESTATE	35	0.8626124	7.73888	72	56	8:23:00 AM	9:05:00 AM							
53	Shuttle HSW to HSE- PM*	Route 011	WEITZEL, ALYCE		2	0	2.5	72	9	2:05:00 PM	2:10:00 PM							
53	DIX HILLS TECH to HSE/HSW PM - 2:40PM	Route 011	WEITZEL, ALYCE		3	0	13.3	72	47	2:35:00 PM	2:50:00 PM							
53	Signal Hill Elem - Rt 11 - PM	Route 011	WEITZEL, ALYCE	PETTIT,COUNTRY POINTE,ESTATE	35	1.607407	8.682933	72	56	3:20:00 PM	4:12:00 PM	30						78
54	HS West - Route 25 - AM	Route 025	BAEZ, PATRICIA	WAGON & SPINNING WHEEL	15	4.19	9.85	72	24	6:25:00 AM	7:05:00 AM							
54	Vanderbilt Elem - Rt 25 - AM	Route 025	BAEZ, PATRICIA	CARLL STRAIGHT PATH;JORDAN CT	19	3.59	8.51	72	32	8:27:00 AM	9:05:00 AM							
54	MID 87- HSW To F45 GYM &AHSW to C/O- is Thursday	MID-DAY # 07	BAEZ, PATRICIA		21	0	9.2	72	0	11:00:00 AM	12:15:00 PM							
54	MID 7 - AHAP To PA-VA-SH-SQ-OTS	MID-DAY # 07	BAEZ, PATRICIA		6	0	5.2	72	0	12:00:00 PM	1:00:00 PM							
54	HS West - Route 25 - PM	Route 025	BAEZ, PATRICIA	WAGON & SPINNING WHEEL	18	3.22	9.68	72	23	2:06:00 PM	2:41:00 PM				20		8	103
54	Shuttle CW MS to HSW/HSE- PM	Route 025	BAEZ, PATRICIA		3	0	11.3	72	0	2:53:00 PM	3:03:00 PM							
54	Vanderbilt Elem - Rt 25 - PM	Route 025	BAEZ, PATRICIA	CARLL STRAIGHT PATH;JORDAN CT	20	6.86	12.1	72	32	3:11:00 PM	4:06:00 PM							
57	HS East - Route 23 - AM	Route 023	LAURISTON, WILKINSON	ILLINOIS;MARYLAND;JERSEY;OLD COUNTRY RD	19	2.83	10.55	72	35	6:18:00 AM	7:05:00 AM							
57	Vanderbilt Elem - Rt 23 - AM	Route 023	LAURISTON, WILKINSON	GABLES / E DP ROAD / SWARTHMORE / REGENCY	24	3.9275	9.320655	72	53	8:20:00 AM	9:05:00 AM							
57	MID 1 - DH TECH TO HSW & HSE- 10:40 AM	MID-DAY # 01	LAURISTON, WILKINSON		3	0	9.2	72	44	10:40:00 AM	11:05:00 AM							
57	MD 1 - HSE & HSW TO DH TECH- 11:25 AM	MID-DAY # 01	LAURISTON, WILKINSON		3	0	7.6	72	49	11:25:00 AM	11:50:00 AM							
57	HS East - Route 23 - PM	Route 023	LAURISTON, WILKINSON	ILLINOIS;MARYLAND;JERSEY;OLD COUNTRY RD	19	1.472151	7.958735	72	36	2:06:00 PM	2:42:00 PM		15			25		91
57	Vanderbilt Elem - Rt 23 - PM	Route 023	LAURISTON, WILKINSON	GABLES / E DP ROAD / SWARTHMORE / REGENCY	25	5.135751	9.778465	72	53	3:07:00 PM	4:00:00 PM							80
58	HS East - Route 10 - AM	Route 010	LAROSE, DOMINIQUE	TRESCOTT, TRUXTON,FOOTHILL FIELDING & CATHER	16	3.26	9.18	72	50	6:24:00 AM	7:05:00 AM							
58	West Hollow MS - Rt 10 - AM	Route 010	LAROSE, DOMINIQUE	CALEDONIA, ORIOLE WAY	14	2.604452	10.00173	72	19	7:00:00 AM	7:40:00 AM		15			37		109
58	Signal Hill Elem - Rt 10 - AM	Route 010	LAROSE, DOMINIQUE	HALF HOLLOW RD;LONE HILL;ETNA	31	0.8532912	8.42014	72	51	8:22:00 AM	9:05:00 AM							
58	HS East - Route 10 - PM	Route 010	LAROSE, DOMINIQUE	TRESCOTT, TRUXTON,FOOTHILL FIELDING & CATHER	17	0	1.85	72	49	2:10:00 PM	2:28:00 PM							
58	West Hollow MS - Rt 10 - PM	Route 010	LAROSE, DOMINIQUE	CALEDONIA, ORIOLE WAY	14	1.298355	9.99525	72	18	2:40:00 PM	3:22:00 PM							
58	Signal Hill Elem - Rt 10 - PM	Route 010	LAROSE, DOMINIQUE	HALF HOLLOW RD;LONE HILL;ETNA	30	1.231936	6.871295	72	50	3:20:00 PM	4:03:00 PM							
59	HS East - Route 31 - AM	Route 031	HERRERA, MYRNA	WOODMONT;BEAUMONT	12	1.364297	5.771681	72	16	6:42:00 AM	7:05:00 AM							
59	West Hollow MS - Rt 31 - AM	Route 031	HERRERA, MYRNA	WILMINGTON;RAWLINGS;THREEPENCE	15	2.936594	7.840639	72	20	7:06:00 AM	7:40:00 AM							
59	Signal Hill Elem - Rt 31 - AM	Route 031	HERRERA, MYRNA	HALF HOLLOW RD;SLEEPY LN;ROUNDTREE	18	0.54	7.82	72	29	8:30:00 AM	9:05:00 AM							
59	HS East - Route 31 - PM	Route 031	HERRERA, MYRNA	WOODMONT;BEAUMONT	13	4.930765	9.21019	72	16	2:06:00 PM	2:37:00 PM		10			45 - bus 87 Stony Brook		71
59	West Hollow MS - Rt 31 - PM	Route 031	HERRERA, MYRNA	WILMINGTON;RAWLINGS;THREEPENCE	15	2.57041	8.260398	72	20	2:50:00 PM	3:28:00 PM							
59	Signal Hill Elem - Rt 31 - PM	Route 031	HERRERA, MYRNA	HALF HOLLOW RD;SLEEPY LN;ROUNDTREE	19	2.02	10.72	72	29	3:20:00 PM	4:09:00 PM							
71	HS East - Route 49 - AM	Route 049	CHACALOS, FRED	1/2 BUS - NY AVE;E LYONS;QUINTREE	14	3.43	10.84	48	28	6:21:00 AM	7:05:00 AM							
71	West Hollow MS - Rt 49 - AM	Route 049	CHACALOS, FRED	WINTERGREEN;OLD COUNTRY RD;ACRE LN	13	1.97	3.95	48	15	7:00:00 AM	7:40:00 AM							
71	Signal Hill Elem - Rt 49 - AM	Route 049	CHACALOS, FRED	WINTERGREEN;OLD COUNTRY RD	21	3.564834	11.72478	48	40	8:14:00 AM	9:05:00 AM							
71	HS East - Route 49 - PM	Route 049	CHACALOS, FRED	1/2 BUS - NY AVE;E LYONS;QUINTREE	15	6.865444	14.46927	48	28	2:06:00 PM	2:51:00 PM							
71	West Hollow MS - Rt 49 - PM	Route 049	CHACALOS, FRED	WINTERGREEN;OLD COUNTRY RD;ACRE LN	13	1.36	10.28	48	15	2:40:00 PM	3:23:00 PM			15				104
71	Signal Hill Elem - Rt 49 - PM	Route 049	CHACALOS, FRED	WINTERGREEN;OLD COUNTRY RD	21	2.01	11.58	48	40	3:20:00 PM	4:15:00 PM							
73	Sunquam Elem - Rt 65 - AM	Route 065	FITZPATRICK, CATHERINE	1/2 BUS - W LYONS / PIERMONT / GWYNNE			67.1			6:00:00 AM	9:00:00 AM							
73	HS East - Route 65 - AM	Route 065	FITZPATRICK, CATHERINE	GABLES / E DP ROAD / SWARTHMORE / REGENCY	9	4.314243	10.57305	72	48	6:23:00 AM	7:05:00 AM							
73	West Hollow MS - Rt 65 - AM	Route 065	FITZPATRICK, CATHERINE	PONDEROSA;TREEVIEW;TUXEDO	15	4	8.05	72	48	7:06:00 AM	7:40:00 AM							
73	Sunquam Elem - Rt 65 - PM	Route 065	FITZPATRICK, CATHERINE	1/2 BUS - W LYONS / PIERMONT / GWYNNE			67.1			1:00:00 PM	4:00:00 PM							
73	HS East - Route 65 - PM	Route 065	FITZPATRICK, CATHERINE	WEST LYONS;FLETCHER WALT WHITMAN RD	10	3.654713	10.39028	48	19	2:06:00 PM	2:43:00 PM			15		45		127
73	West Hollow MS - Rt 65 - PM	Route 065	FITZPATRICK, CATHERINE	PONDEROSA;TREEVIEW;TUXEDO	15	5.81	4.71	48	19	2:50:00 PM	3:09:00 PM							
74	HS East - Route 62 - AM	Route 062	DECORDOVA, SUSAN	1/2 BUS - ALLEY POND; OLD SOUTH PATH;ALTAMORE	21	1.966772	11.60597	32	30	6:16:00 AM	7:05:00 AM							
74	West Hollow MS - Rt 62 - AM	Route 062	DECORDOVA, SUSAN	ALLEY POND;OLD EAST NECK RD;OLD SOUTH PATH	15	3.18	10.67	32	17	6:57:00 AM	7:40:00 AM							
74	Sunquam Elem - Rt 62 - AM	Route 062	DECORDOVA, SUSAN	1/2 BUS - OLD E NECK RD / GROSSMAN / ALTAMORE	23	2.2	7.88	32	33	8:28:00 AM	9:05:00 AM			15				88
74	HS East - Route 62 - PM	Route 062	DECORDOVA, SUSAN	1/2 BUS - ALLEY POND; OLD SOUTH PATH;ALTAMORE	22	3.610984	12.54341	32	30	2:06:00 PM	2:52:00 PM							
74	West Hollow MS - Rt 62 - PM	Route 062	DECORDOVA, SUSAN	ALLEY POND;OLD EAST NECK RD;OLD SOUTH PATH	15	2.1	8.43	32	17	2:50:00 PM	3:27:00 PM							
74	Sunquam Elem - Rt 62 - PM	Route 062	DECORDOVA, SUSAN	1/2 BUS - OLD E NECK RD / GROSSMAN / ALTAMORE	22	0.06	5.73	32	30	3:20:00 PM	3:52:00 PM							
76	HS West - Route 20 - AM	Route 020	LANE, GIGI	CANDLEWOOD PATH; CHATHAM; DURHAM	14	2.65	9.16	66	18	6:27:00 AM	7:05:00 AM							
76	Candlewood - Route 20 - AM	Route 020	LANE, GIGI	HALF HOLLOW RD / SLEEPY HOLLOW / RYDER	23	3.44	10.05	66	36	8:55:00 AM	7:40:00 AM							
76	Vanderbilt Elem - Rt 20 - AM	Route 020	LANE, GIGI	WINTER / BRANIWOOD / WOLF HILL RD / SOMNER	25	1.64	6.81	66	51	8:29:00 AM	9:05:00 AM							
76	HS West - Route 20 - PM	Route 020	LANE, GIGI	CANDLEWOOD PATH; CHATHAM; DURHAM	15	8.59	14.64	66	18	1:49:00 PM	2:36:00 PM			15				90
76	Candlewood - Route 20 - PM	Route 020	LANE, GIGI	HALF HOLLOW RD / SLEEPY HOLLOW / RYDER	23	2.174398	8.329358	66	36	2:50:00 PM	3:24:00 PM							
76	Vanderbilt Elem - Rt 20 - PM	Route 020	LANE, GIGI	WINTER / BRANIWOOD / WOLF HILL RD / SOMNER	23	0	7.14	66	52	3:20:00 PM	4:03:00 PM							
78	HS East - Route 77 - AM	Route 077	ROJAS JR, LUIS	WESTCLIFF;MELROSE;WINTERGREEN;IDA CT	11	0.71	6.42	72	15	6:38:00 AM	7:05:00 AM						10	44
78	St. Anthony HS- Route 07-AM (BIG BUS)	Route 077	ROJAS JR, LUIS	BIG BUS	18	0.7791029	10.0745	72	17	7:26:00 AM	8:05:00 AM							
78	HS East - Route 77 - PM	Route 077	ROJAS JR, LUIS	WESTCLIFF;MELROSE;WINTERGREEN;IDA CT	11	1.47	6.64	72	15	2:06:00 PM	2:28:00 PM							
78	St. Anthony HS- Route 07-PM (BIG BUS)	Route 077	ROJAS JR, LUIS	BIG BUS	17	0	8.160993	72	17	2:30:00 PM	3:17:00 PM							
93	West Hollow MS - Rt 66 - AM	Route 066	MENDOZA, GEORGE	STRAIGHT PATH;FAIRFIELD;TARA LN	13	4.0374	10.04788	72	23	6:59:00 AM	7:40:00 AM		10					93

Information Received from the District (Athletics)

Athletics Schedule

#	DATE	SCHOOL	VS.	SPORT	DESTINATION		TOTAL MILES	BUS TYPE
1	Thu, 12/1/2022	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
2	Thu, 12/1/2022	H H Hills	Centereach/Long/SWR	BFEN	Centereach High School		44	Type A, Type C, Type D
3	Thu, 12/1/2022	H H Hills	Centereach/Long/SWR	GFEN	Centereach High School		44	Type A, Type C, Type D
4	Thu, 12/1/2022	HH Hills East	Practice	CH	TBA (NEW IMAGE)		12	Type A, Type C, Type D
5	Fri, 12/2/2022	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
6	Fri, 12/2/2022	H H Hills West	Huntington	GBKB	Huntington High School		24	Type A, Type C, Type D
7	Fri, 12/2/2022	H H Hills West	Huntington	GBKB	Huntington High School		24	Type A, Type C, Type D
8	Fri, 12/2/2022	Candlewood 8	Oldfield 8	WGVB	Oldfield Middle School		24	Type A, Type C, Type D
9	Fri, 12/2/2022	West Hollow 8	Port Jefferson 8	WGVB	Port Jefferson Middle School (MPR)		60	Type C
10	Sat, 12/3/2022	H H Hills East	Crossover Meet	GWTR	Suffolk County Community College		20	Type A, Type C, Type D
11	Sat, 12/3/2022	H H Hills West	Crossover Meet	GWTR	Suffolk County Community College		20	Type A, Type C, Type D
12	Sun, 12/4/2022	H H Hills East	Crossover Meet	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
13	Sun, 12/4/2022	H H Hills West	Crossover Meet	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
14	Mon, 12/5/2022	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
15	Mon, 12/5/2022	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
16	Mon, 12/5/2022	Candlewood 8	Port Jefferson 8	BBKB	Jefferson School (SPRING STREET GYM)	Time Change	24	Type A, Type C, Type D
17	Mon, 12/5/2022	H H Hills West	Sayville	GBKB	Sayville High School		36	Type A, Type C, Type D
18	Mon, 12/5/2022	H H Hills West	Sayville	GBKB	Sayville High School		36	Type A, Type C, Type D
19	Mon, 12/5/2022	HH Hills East	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
20	Mon, 12/5/2022	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
21	Tue, 12/6/2022	H H Hills East	North Babylon	GBKB	North Babylon High School (NORTH GYM)		12	Type A, Type C, Type D
22	Tue, 12/6/2022	H H Hills East	North Babylon	GBKB	North Babylon High School (WEST GYM)		12	Type A, Type C, Type D
23	Tue, 12/6/2022	West Hollow 7	Stimson 7	BBKB	Stimson Middle School		22	Type A, Type C, Type D
24	Tue, 12/6/2022	Half Hollow Hills	North Babylon	BBWL	Strike 10 Lanes		15	Type A, Type C, Type D
25	Tue, 12/6/2022	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
26	Wed, 12/7/2022	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
27	Wed, 12/7/2022	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
28	Wed, 12/7/2022	H H Hills East	H H Hills West	BBKB	H H HILLS WEST HS		10	Type A, Type C, Type D
29	Wed, 12/7/2022	H H Hills East	H H Hills West	BBKB	H H HILLS WEST HS		10	Type A, Type C, Type D
30	Wed, 12/7/2022	Candlewood 8	Port Jefferson 8	WGVB	Port Jefferson Middle School (MPR)		60	Type C
31	Wed, 12/7/2022	HH Hills West	HH Hills East	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
32	Wed, 12/7/2022	HH Hills West	Practice	CH	TBA (NEW IMAGE)		12	Type A, Type C, Type D
33	Thu, 12/8/2022	H H Hills	Sayville/BPT/Cont	BFEN	160 Greeley Avenue (OLD JR. HIGH)		42	Type A, Type C, Type D
34	Thu, 12/8/2022	H H Hills	Sayville/Bpt/Cont	GFEN	160 Greeley Avenue (OLD JR. HIGH)		42	Type A, Type C, Type D
35	Thu, 12/8/2022	HH Hills	Sachem	GBWL	Coram Country Bowl		48	Type C, Type D
36	Thu, 12/8/2022	West Hollow 8	Oldfield 8	BBKB	Oldfield Middle School		24	Type A, Type C, Type D
37	Thu, 12/8/2022	West Hollow 7	Stimson 7	WGVB	Stimson Middle School		22	Type A, Type C, Type D
38	Thu, 12/8/2022	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
39	Thu, 12/8/2022	HH Hills East	Practice	CH	TBA (NEW IMAGE)		12	Type A, Type C, Type D
40	Fri, 12/9/2022	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
41	Fri, 12/9/2022	H H Hills East	Huntington	BBKB	Huntington High School		24	Type A, Type C, Type D
42	Fri, 12/9/2022	H H Hills East	Huntington	BBKB	Huntington High School		24	Type A, Type C, Type D
43	Fri, 12/9/2022	H H Hills East	Tournament	WR	John F. Kennedy High School		32	Type A, Type C, Type D
44	Fri, 12/9/2022	H H Hills East	Tournament	WR	John F. Kennedy High School		32	Type A, Type C, Type D
45	Fri, 12/9/2022	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
46	Sat, 12/10/2022	H H Hills West	Cold Spring Harbor	BBKB	Cold Spring Harbor High School		32	Type A, Type C, Type D
47	Sat, 12/10/2022	H H Hills West	Cold Spring Harbor	BBKB	Cold Spring Harbor High School		32	Type A, Type C, Type D
48	Sat, 12/10/2022	H H Hills East	Crossover Meet	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
49	Sat, 12/10/2022	H H Hills West	Crossover Meet	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
50	Sat, 12/10/2022	H H Hills East	Tournament	WR	Wellington C. Mepham High School		36	Type A, Type C, Type D
51	Sat, 12/10/2022	H H Hills East	Tournament	WR	Wellington C. Mepham High School		36	Type A, Type C, Type D
52	Sun, 12/11/2022	H H Hills East	Crossover Meet	GWTR	Suffolk County Community College		20	Type A, Type C, Type D
53	Sun, 12/11/2022	H H Hills West	Crossover Meet	GWTR	Suffolk County Community College		20	Type A, Type C, Type D
54	Mon, 12/12/2022	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
55	Mon, 12/12/2022	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
56	Mon, 12/12/2022	West Hollow 8	Oldfield 8	WGVB	Oldfield Middle School		24	Type A, Type C, Type D
57	Mon, 12/12/2022	HH Hills East	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
58	Mon, 12/12/2022	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
59	Tue, 12/13/2022	Half Hollow Hills	Copiague	BBWL	AMF Babylon Lanes		12	Type A, Type C, Type D
60	Tue, 12/13/2022	H H Hills West	Hauppauge	GBKB	Hauppauge High School		25	Type A, Type C, Type D
61	Tue, 12/13/2022	H H Hills West	Hauppauge	GBKB	Hauppauge High School		25	Type A, Type C, Type D
62	Tue, 12/13/2022	H H Hills East	Northport	GBKB	Northport High School		20	Type A, Type C, Type D
63	Tue, 12/13/2022	H H Hills East	Northport	GBKB	Northport High School		20	Type A, Type C, Type D
64	Tue, 12/13/2022	West Hollow 7	Oldfield 7	BBKB	Oldfield Middle School		24	Type A, Type C, Type D
65	Tue, 12/13/2022	Candlewood 8	Lindenhurst 8	BBKB	William Rall Elementary School		20	Type A, Type C, Type D
66	Wed, 12/14/2022	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
67	Wed, 12/14/2022	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
68	Wed, 12/14/2022	H H Hills West	Hauppauge	WR	Hauppauge High School		25	Type A, Type C, Type D
69	Wed, 12/14/2022	H H Hills West	Hauppauge	WR	Hauppauge High School		25	Type A, Type C, Type D
70	Wed, 12/14/2022	HH Hills East	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
71	Wed, 12/14/2022	HH Hills West	Practice	CH	TBA (NEW IMAGE)		12	Type A, Type C, Type D
72	Thu, 12/15/2022	HH Hills	Middle Country	GBWL	AMF Centereach Lanes		44	Type A, Type C, Type D
73	Thu, 12/15/2022	H H Hills	Huntington/HF	BFEN	Jack Abrams STEM Magnet School		22	Type A, Type C, Type D
74	Thu, 12/15/2022	H H Hills	Huntington/HF	GFEN	Jack Abrams STEM Magnet School		22	Type A, Type C, Type D
75	Thu, 12/15/2022	Candlewood 8	Lindenhurst 8	WGVB	Lindenhurst Middle School		16	Type A, Type C, Type D
76	Thu, 12/15/2022	West Hollow 7	Oldfield 7	WGVB	Oldfield Middle School		24	Type A, Type C, Type D
77	Thu, 12/15/2022	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
78	Thu, 12/15/2022	H H Hills East	West Islip	BBKB	West Islip High School (LARGE GYM)		20	Type A, Type C, Type D
79	Thu, 12/15/2022	H H Hills East	West Islip	BBKB	West Islip High School (LARGE GYM)		20	Type A, Type C, Type D
80	Fri, 12/16/2022	H H Hills East	Northport	WR	Northport High School		20	Type A, Type C, Type D
81	Fri, 12/16/2022	H H Hills East	Northport	WR	Northport High School		20	Type A, Type C, Type D
82	Fri, 12/16/2022	Candlewood 8	Stimson 8	BBKB	Stimson Middle School		22	Type A, Type C, Type D
83	Fri, 12/16/2022	H H Hills East	Crossover Meet	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
84	Fri, 12/16/2022	HH Hills East	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
85	Fri, 12/16/2022	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
86	Fri, 12/16/2022	H H Hills West	West Babylon	GBKB	West Babylon Senior High School		16	Type A, Type C, Type D
87	Fri, 12/16/2022	H H Hills West	West Babylon	GBKB	West Babylon Senior High School		16	Type A, Type C, Type D
88	Fri, 12/16/2022	West Hollow 8	Lindenhurst 8	BBKB	William Rall Elementary School		20	Type A, Type C, Type D
89	Sat, 12/17/2022	H H Hills East	Brentwood	WR	Deer Park High School		6	Type A, Type C, Type D
90	Sat, 12/17/2022	H H Hills East	Deer Park	WR	Deer Park High School		6	Type A, Type C, Type D
91	Sat, 12/17/2022	H H Hills East	Tournament	WR	Deer Park High School		6	Type A, Type C, Type D
92	Sat, 12/17/2022	H H Hills West	Jericho	WR	Jericho High School		28	Type A, Type C, Type D
93	Sat, 12/17/2022	H H Hills East	Crossover Meet	GWTR	Suffolk County Community College		20	Type A, Type C, Type D
94	Sat, 12/17/2022	H H Hills West	Crossover Meet	GWTR	Suffolk County Community College		20	Type A, Type C, Type D
95	Sun, 12/18/2022	H H Hills West	Crossover Meet	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
96	Sun, 12/18/2022	H H Hills East	Crossover Meet	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
97	Mon, 12/19/2022	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
98	Mon, 12/19/2022	West Hollow 7	Candlewood 7	BBKB	Candlewood Middle School		11	Type A, Type C, Type D
99	Mon, 12/19/2022	H H Hills West	East Islip	BBKB	East Islip High School		32	Type A, Type C, Type D
100	Mon, 12/19/2022	H H Hills West	East Islip	BBKB	East Islip High School		32	Type A, Type C, Type D
101	Mon, 12/19/2022	HH Hills East	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
102	Mon, 12/19/2022	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
103	Mon, 12/19/2022	Candlewood 8	West Hollow 8	BBKB	West Hollow Middle School		20	Type A, Type C, Type D
104	Tue, 12/20/2022	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
105	Tue, 12/20/2022	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
106	Tue, 12/20/2022	H H Hills East	Copiague	GBKB	Copiague High School		16	Type A, Type C, Type D
107	Tue, 12/20/2022	H H Hills East	Copiague	GBKB	Copiague High School		16	Type A, Type C, Type D
108	Tue, 12/20/2022	West Hollow 8	Lindenhurst 8	WGVB	Lindenhurst Middle School		16	Type A, Type C, Type D
109	Tue, 12/20/2022	Candlewood 8	Stimson 8	WGVB	Stimson Middle School		22	Type A, Type C, Type D
110	Tue, 12/20/2022	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
111	Wed, 12/21/2022	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
112	Wed, 12/21/2022	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
113	Wed, 12/21/2022	West Hollow 7	Port Jefferson 7	BBKB	Jefferson School (SPRING STREET GYM)		24	Type A, Type C, Type D

Athletics Schedule

#	DATE	SCHOOL	VS.	SPORT	DESTINATION		TOTAL MILES	BUS TYPE
114	Wed, 12/21/2022	Candlewood 7	Oldfield 7	BBKB	Oldfield Middle School		24	Type A, Type C, Type D
115	Wed, 12/21/2022	H H Hills West	Rocky Point	WR	Rocky Point High School		70	ROUTE TOO LONG
116	Wed, 12/21/2022	H H Hills West	Rocky Point	WR	Rocky Point High School		70	ROUTE TOO LONG
117	Wed, 12/21/2022	HH Hills East	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
118	Wed, 12/21/2022	HH Hills West	Practice	CH	TBA (NEW IMAGE)		12	Type A, Type C, Type D
119	Thu, 12/22/2022	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
120	Thu, 12/22/2022	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
121	Thu, 12/22/2022	H H Hills West	Deer Park	GBKB	Deer Park High School		6	Type A, Type C, Type D
122	Thu, 12/22/2022	H H Hills West	Deer Park	GBKB	Deer Park High School		6	Type A, Type C, Type D
123	Thu, 12/22/2022	H H Hills/Kings Park	Northport/Commack	WBSW	Half Hollow Hills West High School		10	Type A, Type C, Type D
124	Thu, 12/22/2022	Candlewood 7	Oldfield 7	WGVB	Oldfield Middle School		24	Type A, Type C, Type D
125	Thu, 12/22/2022	West Hollow 7	Port Jefferson 7	WGVB	Port Jefferson Middle School (MPR)		60	Type C
126	Thu, 12/22/2022	H H Hills West	Crossover Meet	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
127	Thu, 12/22/2022	HH Hills East	Practice	CH	TBA (NEW IMAGE)		12	Type A, Type C, Type D
128	Fri, 12/23/2022	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
129	Wed, 12/28/2022	H H Hills West	Invitational	BWTR	Armory Track		84	ROUTE TOO LONG
130	Wed, 12/28/2022	H H Hills West	Westhampton	GBKB	Westhampton Beach High School (HS GYM)		85	ROUTE TOO LONG
131	Wed, 12/28/2022	H H Hills West	Westhampton	GBKB	Westhampton Beach High School (HS GYM)		85	ROUTE TOO LONG
132	Thu, 12/29/2022	H H Hills West	Intrasquad Scrimmage	BWTR	Armory Track		84	ROUTE TOO LONG
133	Thu, 12/29/2022	H H Hills West	Tournament	WR	H H HILLS EAST HS		10	Type A, Type C, Type D
134	Fri, 12/30/2022	H H Hills West	Tournament	WR	H H HILLS EAST HS		10	Type A, Type C, Type D
135	Fri, 12/30/2022	H H Hills East	Smithtown West	BBKB	Smithtown West High School		30	Type A, Type C, Type D
136	Fri, 12/30/2022	H H Hills East	Smithtown West	BBKB	Smithtown West High School		30	Type A, Type C, Type D
137	Tue, 1/3/2023	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
138	Tue, 1/3/2023	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
139	Tue, 1/3/2023	Half Hollow Hills	Deer Park	BBWL	Strike 10 Lanes		15	Type A, Type C, Type D
140	Tue, 1/3/2023	HH Hills	Brentwood	GBWL	Strike 10 Lanes		15	Type A, Type C, Type D
141	Tue, 1/3/2023	HH Hills East	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
142	Tue, 1/3/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
143	Tue, 1/3/2023	H H Hills West	Wyandanch	BBKB	Wyandanch Memorial High School		12	Type A, Type C, Type D
144	Tue, 1/3/2023	H H Hills West	Wyandanch	BBKB	Wyandanch Memorial High School		12	Type A, Type C, Type D
145	Wed, 1/4/2023	H H Hills East	Bay Shore	BBKB	Bay Shore High School		15	Type A, Type C, Type D
146	Wed, 1/4/2023	H H Hills East	Bay Shore	BBKB	Bay Shore High School		15	Type A, Type C, Type D
147	Wed, 1/4/2023	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
148	Wed, 1/4/2023	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
149	Wed, 1/4/2023	Candlewood 7	Port Jefferson 7	WGVB	Port Jefferson Middle School (MPR)		60	Type C
150	Wed, 1/4/2023	West Hollow 8	Stimson 8	WGVB	Stimson Middle School		22	Type A, Type C, Type D
151	Wed, 1/4/2023	HH Hills West	Practice	CH	TBA (NEW IMAGE)		12	Type A, Type C, Type D
152	Wed, 1/4/2023	Candlewood 7	Lindenhurst 7	BBKB	William Rall Elementary School		20	Type A, Type C, Type D
153	Thu, 1/5/2023	H H Hills East	Copiague	WR	Copiague High School		16	Type A, Type C, Type D
154	Thu, 1/5/2023	H H Hills East	Copiague	WR	Copiague High School		16	Type A, Type C, Type D
155	Thu, 1/5/2023	H H Hills West	JIM HOWARD	GWTR	Suffolk County Community College		20	Type A, Type C, Type D
156	Thu, 1/5/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
157	Thu, 1/5/2023	HH Hills East	Practice	CH	TBA (NEW IMAGE)		12	Type A, Type C, Type D
158	Thu, 1/5/2023	H H Hills	Walt Whitman/Elwood	BFEN	Walt Whitman High School (SOUTH GYM)		25	Type A, Type C, Type D
159	Thu, 1/5/2023	H H Hills	Walt Whitman	GFEN	Walt Whitman High School (SOUTH GYM)		25	Type A, Type C, Type D
160	Thu, 1/5/2023	H H Hills West	Elwood/J Glenn	BBKB				Type A, Type C, Type D
161	Thu, 1/5/2023	H H Hills West	Elwood/J Glenn	BBKB				Type A, Type C, Type D
162	Fri, 1/6/2023	H H Hills East	Commack HS	GBKB	Commack High School		20	Type A, Type C, Type D
163	Fri, 1/6/2023	H H Hills East	Commack HS	GBKB	Commack High School		20	Type A, Type C, Type D
164	Fri, 1/6/2023	Candlewood 7	Port Jefferson 7	BBKB	Jefferson School (SPRING STREET GYM)		24	Type A, Type C, Type D
165	Fri, 1/6/2023	Candlewood 7	Lindenhurst 7	WGVB	Lindenhurst Middle School		16	Type A, Type C, Type D
166	Fri, 1/6/2023	West Hollow 8	Stimson 8	BBKB	Stimson Middle School		22	Type A, Type C, Type D
167	Fri, 1/6/2023	H H Hills East	JIM HOWARD	GWTR	Suffolk County Community College		20	Type A, Type C, Type D
168	Fri, 1/6/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
169	Fri, 1/6/2023	H H Hills/Kings Park	East Hampton/BH/Pier	WBSW	YMCA East Hampton RECenter		140	ROUTE TOO LONG
170	Sat, 1/7/2023	H H Hills East	Rocky Gilmore Tourn.	WR	East Islip High School		32	Type A, Type C, Type D
171	Sat, 1/7/2023	H H Hills East	Tournament	WR	East Islip High School		32	Type A, Type C, Type D
172	Sat, 1/7/2023	H H Hills West	Freedom	BWTR	Ocean Breeze Athletic Complex		104	ROUTE TOO LONG
173	Sat, 1/7/2023	H H Hills West	Crossover Meet	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
174	Sat, 1/7/2023	H H Hills East	Crossover Meet	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
175	Sat, 1/7/2023	H H Hills West	Tournament	WR	Syosset High School		28	Type A, Type C, Type D
176	Sun, 1/8/2023	H H Hills East	Crossover Meet	GWTR	Suffolk County Community College		20	Type A, Type C, Type D
177	Sun, 1/8/2023	H H Hills West	Crossover Meet	GWTR	Suffolk County Community College		20	Type A, Type C, Type D
178	Mon, 1/9/2023	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
179	Mon, 1/9/2023	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
180	Mon, 1/9/2023	H H Hills East	Lindenhurst	BBKB	Lindenhurst High School		16	Type A, Type C, Type D
181	Mon, 1/9/2023	H H Hills East	Lindenhurst	BBKB	Lindenhurst High School		16	Type A, Type C, Type D
182	Mon, 1/9/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
183	Tue, 1/10/2023	West Hollow 8	Candlewood 8	WGVB	Candlewood Middle School		11	Type A, Type C, Type D
184	Tue, 1/10/2023	HH Hills East	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
185	Tue, 1/10/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
186	Tue, 1/10/2023	Candlewood 7	West Hollow 7	WGVB	West Hollow Middle School		20	Type A, Type C, Type D
187	Wed, 1/11/2023	H H Hills East	Millrose Qualifier	GWTR	Armory Track		84	ROUTE TOO LONG
188	Wed, 1/11/2023	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
189	Wed, 1/11/2023	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
190	Wed, 1/11/2023	West Hollow 8	Candlewood 8	BBKB	Candlewood Middle School		11	Type A, Type C, Type D
191	Wed, 1/11/2023	H H Hills West	Comsewogue	WR	Comsewogue High School		54	Type C, Type D
192	Wed, 1/11/2023	H H Hills West	Comsewogue	WR	Comsewogue High School		54	Type C, Type D
193	Wed, 1/11/2023	HH Hills East	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
194	Wed, 1/11/2023	HH Hills West	Practice	CH	TBA (NEW IMAGE)		12	Type A, Type C, Type D
195	Wed, 1/11/2023	Candlewood 7	West Hollow 7	BBKB	West Hollow Middle School		20	Type A, Type C, Type D
196	Thu, 1/12/2023	H H Hills West	Millrose Qualifier	BWTR	Armory Track		84	ROUTE TOO LONG
197	Thu, 1/12/2023	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
198	Thu, 1/12/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
199	Thu, 1/12/2023	HH Hills East	Practice	CH	TBA (NEW IMAGE)		12	Type A, Type C, Type D
200	Fri, 1/13/2023	H H Hills East	Invitational	GWTR	Armory Track		84	ROUTE TOO LONG
201	Fri, 1/13/2023	H H Hills East	Smithtown East	WR	Smithtown East High School	Senior night	34	Type A, Type C, Type D
202	Fri, 1/13/2023	H H Hills East	Smithtown East	WR	Smithtown East High School		34	Type A, Type C, Type D
203	Fri, 1/13/2023	H H Hills West	Frosh/Soph Meet	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
204	Fri, 1/13/2023	H H Hills East	Frosh/Soph Meet	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
205	Fri, 1/13/2023	HH Hills East	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
206	Fri, 1/13/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
207	Fri, 1/13/2023	H H Hills West	Islip	BBKB				Type A, Type C, Type D
208	Fri, 1/13/2023	H H Hills West	Islip	BBKB				Type A, Type C, Type D
209	Sat, 1/14/2023	H H Hills East	Brentwood	BBKB	Brentwood High School (SONDERLING)		20	Type A, Type C, Type D
210	Sat, 1/14/2023	H H Hills East	Brentwood	BBKB	Brentwood High School (SONDERLING)		20	Type A, Type C, Type D
211	Sat, 1/14/2023	H H Hills East	Tournament	WR	Islip High School		20	Type A, Type C, Type D
212	Sat, 1/14/2023	H H Hills East	Islip	WR	Islip High School		20	Type A, Type C, Type D
213	Sat, 1/14/2023	H H Hills East	Central Islip	WR	Islip High School		20	Type A, Type C, Type D
214	Sat, 1/14/2023	H H Hills West	Tournament	WR	William Floyd High School		70	ROUTE TOO LONG
215	Sun, 1/15/2023	H H Hills East	Invitational	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
216	Sun, 1/15/2023	H H Hills West	Eli Acosta Meet	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
217	Tue, 1/17/2023	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
218	Tue, 1/17/2023	H H Hills East	Central Islip	GBKB	Central Islip High School		24	Type A, Type C, Type D
219	Tue, 1/17/2023	H H Hills East	Central Islip	GBKB	Central Islip High School		24	Type A, Type C, Type D
220	Tue, 1/17/2023	HH Hills	Longwood	GBWL	Coram Country Bowl		48	Type C, Type D
221	Tue, 1/17/2023	H H Hills East	Invitational	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
222	Tue, 1/17/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
223	Wed, 1/18/2023	H H Hills West	Amityville	GBKB	Amityville Memorial High School		20	Type A, Type C, Type D
224	Wed, 1/18/2023	H H Hills West	Amityville	GBKB	Amityville Memorial High School		20	Type A, Type C, Type D
225	Wed, 1/18/2023	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
226	Wed, 1/18/2023	HH Hills	Tournament	GBWL	East Islip Lanes		26	Type A, Type C, Type D
227	Wed, 1/18/2023	H H Hills/Kings Park	Lindenhurst	WBSW	Lindenhurst High School		16	Type A, Type C, Type D
228	Wed, 1/18/2023	HH Hills East	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
229	Wed, 1/18/2023	HH Hills West	Practice	CH	TBA (NEW IMAGE)		12	Type A, Type C, Type D
230	Thu, 1/19/2023	H H Hills	Commack/Northport	BFEN	Commack High School		20	Type A, Type C, Type D

Athletics Schedule

#	DATE	SCHOOL	VS.	SPORT	DESTINATION		TOTAL MILES	BUS TYPE
231	Thu, 1/19/2023	H H Hills	Commack HS	GFEN	Commack High School		20	Type A, Type C, Type D
232	Thu, 1/19/2023	H H Hills West	Mt Sinai	WR	Mount Sinai High School		62	ROUTE TOO LONG
233	Thu, 1/19/2023	H H Hills West	Mt Sinai	WR	Mount Sinai High School		62	ROUTE TOO LONG
234	Thu, 1/19/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
235	Thu, 1/19/2023	H H Hills East	Walt Whitman	BBKB	Walt Whitman High School (NORTH GYM)		25	Type A, Type C, Type D
236	Thu, 1/19/2023	H H Hills East	Walt Whitman	BBKB	Walt Whitman High School (NORTH GYM)		25	Type A, Type C, Type D
237	Fri, 1/20/2023	H H Hills West	H H Hills East	WR	H H HILLS EAST HS		10	Type A, Type C, Type D
238	Fri, 1/20/2023	H H Hills West	H H Hills East	WR	H H HILLS EAST HS		10	Type A, Type C, Type D
239	Fri, 1/20/2023	H H Hills East	Championships	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
240	Fri, 1/20/2023	H H Hills East	Championships	GWTR	Suffolk County Community College		20	Type A, Type C, Type D
241	Fri, 1/20/2023	HH Hills East	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
242	Fri, 1/20/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
243	Fri, 1/20/2023	H H Hills West	Harborfields	BBKB				Type A, Type C, Type D
244	Fri, 1/20/2023	H H Hills West	Harborfields	BBKB			Total miles 32557	ROUTE TOO LONG
245	Sat, 1/21/2023	H H Hills East	Tournament	WR	Harborfields High School		20	Type A, Type C, Type D
246	Sat, 1/21/2023	H H Hills East	Tournament	WR	Harborfields High School		20	Type A, Type C, Type D
247	Sat, 1/21/2023	H H Hills West	League 4	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
248	Sat, 1/21/2023	HH Hills West	Cheer Competition	CH	West Babylon Senior High School		16	Type A, Type C, Type D
249	Sun, 1/22/2023	H H Hills West	League 3, 4, 5	GWTR	Suffolk County Community College		20	Type A, Type C, Type D
250	Mon, 1/23/2023	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
251	Mon, 1/23/2023	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
252	Mon, 1/23/2023	H H Hills East	North Babylon	BBKB	North Babylon High School (NORTH GYM)		12	Type A, Type C, Type D
253	Mon, 1/23/2023	H H Hills East	North Babylon	BBKB	North Babylon High School (WEST GYM)		12	Type A, Type C, Type D
254	Mon, 1/23/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
255	Tue, 1/24/2023	Half Hollow Hills	West Islip	BBWL	AMF Babylon Lanes		12	Type A, Type C, Type D
256	Tue, 1/24/2023	HH Hills	Central Islip	GBWL	East Islip Lanes		26	Type A, Type C, Type D
257	Tue, 1/24/2023	H H Hills West	Kings Park	GBKB	Kings Park High School		28	Type A, Type C, Type D
258	Tue, 1/24/2023	H H Hills West	Kings Park	GBKB	Kings Park High School		28	Type A, Type C, Type D
259	Tue, 1/24/2023	HH Hills East	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
260	Wed, 1/25/2023	Half Hollow Hills	Lindenhurst	BBWL	AMF Babylon Lanes	Rescheduled fr	12	Type A, Type C, Type D
261	Wed, 1/25/2023	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
262	Wed, 1/25/2023	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
263	Wed, 1/25/2023	H H Hills East	Huntington	GBKB	Huntington High School		24	Type A, Type C, Type D
264	Wed, 1/25/2023	H H Hills East	Huntington	GBKB	Huntington High School		24	Type A, Type C, Type D
265	Wed, 1/25/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
266	Wed, 1/25/2023	HH Hills West	Practice	CH	TBA (NEW IMAGE)		12	Type A, Type C, Type D
267	Thu, 1/26/2023	H H Hills	Lindenhurst	BFEN	Daniel Street Elementary School		14	Type A, Type C, Type D
268	Thu, 1/26/2023	H H Hills	Lindenhurst	GFEN	Daniel Street Elementary School		14	Type A, Type C, Type D
269	Thu, 1/26/2023	H H Hills West	Hauppauge	BBKB	Hauppauge High School		25	Type A, Type C, Type D
270	Thu, 1/26/2023	H H Hills West	Hauppauge	BBKB	Hauppauge High School		25	Type A, Type C, Type D
271	Thu, 1/26/2023	HH Hills East	Practice	CH	TBA (NEW IMAGE)		12	Type A, Type C, Type D
272	Fri, 1/27/2023	H H Hills East	Northport	BBKB	Northport High School		20	Type A, Type C, Type D
273	Fri, 1/27/2023	H H Hills East	Northport	BBKB	Northport High School		20	Type A, Type C, Type D
274	Fri, 1/27/2023	H H Hills West	Tournament	WR	Sachem East High School		48	Type C, Type D
275	Fri, 1/27/2023	H H Hills West	Invitational	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
276	Fri, 1/27/2023	H H Hills East	Invitational	BWTR	Suffolk County Community College	Last Chance Me	20	Type A, Type C, Type D
277	Fri, 1/27/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
278	Sat, 1/28/2023	HH Hills West	Cheer Competition	CH	Smithtown West High School		30	Type A, Type C, Type D
279	Sat, 1/28/2023	H H Hills East	ART MITCHELL	GWTR	Suffolk County Community College		20	Type A, Type C, Type D
280	Sat, 1/28/2023	H H Hills West	ART MITCHELL	GWTR	Suffolk County Community College		20	Type A, Type C, Type D
281	Mon, 1/30/2023	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
282	Mon, 1/30/2023	HH Hills East	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
283	Mon, 1/30/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
284	Mon, 1/30/2023	H H Hills West	West Babylon	BBKB	West Babylon Senior High School		16	Type A, Type C, Type D
285	Mon, 1/30/2023	H H Hills West	West Babylon	BBKB	West Babylon Senior High School		16	Type A, Type C, Type D
286	Tue, 1/31/2023	HH Hills	Smithtown	GBWL	Bowlero Commack		15	Type A, Type C, Type D
287	Tue, 1/31/2023	Half Hollow Hills	Walt Whitman	BBWL	Bowlmor		15	Type A, Type C, Type D
288	Tue, 1/31/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
289	Tue, 1/31/2023	H H Hills East	West Islip	GBKB	West Islip High School (SMALL GYM)		20	Type A, Type C, Type D
290	Tue, 1/31/2023	H H Hills East	West Islip	GBKB	West Islip High School (SMALL GYM)		20	Type A, Type C, Type D
291	Wed, 2/1/2023	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
292	Wed, 2/1/2023	H H Hills West	East Islip	GBKB	East Islip High School		32	Type A, Type C, Type D
293	Wed, 2/1/2023	H H Hills West	East Islip	GBKB	East Islip High School		32	Type A, Type C, Type D
294	Wed, 2/1/2023	HH Hills East	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
295	Wed, 2/1/2023	HH Hills West	Practice	CH	TBA (NEW IMAGE)		12	Type A, Type C, Type D
296	Thu, 2/2/2023	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
297	Thu, 2/2/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
298	Thu, 2/2/2023	HH Hills East	Practice	CH	TBA (NEW IMAGE)		12	Type A, Type C, Type D
299	Thu, 2/2/2023	H H Hills/Kings Park	Scrimmage	WBSW	Ward Melville High School		56	Type C, Type D
300	Thu, 2/2/2023	Candlewood 8	West Hollow 8	GBKB	West Hollow Middle School		20	Type A, Type C, Type D
301	Fri, 2/3/2023	H H Hills West	Deer Park	BBKB	Deer Park High School		6	Type A, Type C, Type D
302	Fri, 2/3/2023	H H Hills West	Deer Park	BBKB	Deer Park High School		6	Type A, Type C, Type D
303	Fri, 2/3/2023	Candlewood	Stimson Maroon	WBVB	Stimson Middle School		22	Type A, Type C, Type D
304	Fri, 2/3/2023	HH Hills East	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
305	Fri, 2/3/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
306	Sat, 2/4/2023	HH Hills West	Cheer Competition	CH	Eastport South Manor High School		66	ROUTE TOO LONG
307	Sat, 2/4/2023	H H Hills East	League 3	WR	Smithtown East High School (SMITHTOWN EAST HS)		34	Type A, Type C, Type D
308	Sat, 2/4/2023	H H Hills East	Championships	GWTR	Suffolk County Community College		20	Type A, Type C, Type D
309	Sat, 2/4/2023	H H Hills West	Championships	GWTR	Suffolk County Community College		20	Type A, Type C, Type D
310	Sun, 2/5/2023	H H Hills West	Championships	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
311	Sun, 2/5/2023	H H Hills East	League 4	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
312	Mon, 2/6/2023	West Hollow	Beach	WBVB	Beach Street Middle School		8	Type A, Type C, Type D
313	Mon, 2/6/2023	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
314	Mon, 2/6/2023	West Hollow 7	Candlewood 7	GBKB	Candlewood Middle School		11	Type A, Type C, Type D
315	Mon, 2/6/2023	Candlewood	East Northport	WBVB	East Northport Middle School		20	Type A, Type C, Type D
316	Mon, 2/6/2023	HH Hills East	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
317	Mon, 2/6/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
318	Tue, 2/7/2023	H H Hills East	Copiague	BBKB	Copiague High School		16	Type A, Type C, Type D
319	Tue, 2/7/2023	H H Hills East	Copiague	BBKB	Copiague High School		16	Type A, Type C, Type D
320	Tue, 2/7/2023	Candlewood 7	Stimson 7	GBKB	Stimson Middle School		22	Type A, Type C, Type D
321	Tue, 2/7/2023	Half Hollow Hills	Brentwood	BBWL	Strike 10 Lanes		15	Type A, Type C, Type D
322	Tue, 2/7/2023	West Hollow 7	Lindenhurst 7	GBKB	William Rall Elementary School		20	Type A, Type C, Type D
323	Tue, 2/7/2023	H H Hills West	Wyandanch	GBKB	Wyandanch Memorial High School		12	Type A, Type C, Type D
324	Tue, 2/7/2023	H H Hills West	Wyandanch	GBKB	Wyandanch Memorial High School		12	Type A, Type C, Type D
325	Wed, 2/8/2023	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
326	Wed, 2/8/2023	Half Hollow Hills	Playoffs	BBWL	Coram Country Bowl		48	Type C, Type D
327	Wed, 2/8/2023	West Hollow	Islip	LWWR	Islip Middle School		20	Type A, Type C, Type D
328	Wed, 2/8/2023	HH Hills	Tournament	GBWL	Sayville Bowlero		36	Type A, Type C, Type D
329	Wed, 2/8/2023	H H Hills East	Smithtown West	GBKB	Smithtown West High School	Senior night	30	Type A, Type C, Type D
330	Wed, 2/8/2023	H H Hills East	Smithtown West	GBKB	Smithtown West High School		30	Type A, Type C, Type D
331	Thu, 2/9/2023	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
332	Thu, 2/9/2023	West Hollow 8	Port Jefferson 8	GBKB	Jefferson School (SPRING STREET GYM)		24	Type A, Type C, Type D
333	Thu, 2/9/2023	HH Hills West	Championships	CH	TBA (JFK AIRPORT)		65	ROUTE TOO LONG
334	Thu, 2/9/2023	HH Hills East	Practice	CH	TBA (NEW IMAGE)		12	Type A, Type C, Type D
335	Fri, 2/10/2023	Candlewood 8	Oldfield 8	GBKB	Oldfield Middle School		24	Type A, Type C, Type D
336	Sat, 2/11/2023	H H Hills East	Championships	WR	TBA		40	Type A, Type C, Type D
337	Sun, 2/12/2023	H H Hills East	Championships	WR	TBA		40	Type A, Type C, Type D
338	Mon, 2/13/2023	Candlewood	Amityville	LWWR	Edmund W. Miles Middle School		8	Type A, Type C, Type D
339	Mon, 2/13/2023	Candlewood	Hauppauge	WBVB	Hauppauge Middle School		25	Type A, Type C, Type D
340	Mon, 2/13/2023	Candlewood 7	Port Jefferson 7	GBKB	Jefferson School (SPRING STREET GYM)		24	Type A, Type C, Type D
341	Mon, 2/13/2023	H H Hills West	State Qual Meet	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
342	Mon, 2/13/2023	H H Hills East	State Qual Meet	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
343	Mon, 2/13/2023	H H Hills East	State Qual Meet	GWTR	Suffolk County Community College		20	Type A, Type C, Type D
344	Mon, 2/13/2023	H H Hills West	State Qual Meet	GWTR	Suffolk County Community College		20	Type A, Type C, Type D
345	Tue, 2/14/2023	H H Hills West	Comsewogue	GBKB	Comsewogue High School	ADMISSION FE	54	Type C, Type D
346	Tue, 2/14/2023	West Hollow	Udall	WBVB	Udall Road Middle School		15	Type A, Type C, Type D
347	Tue, 2/14/2023	H H Hills East	William Floyd	BBKB	William Floyd High School	AA Bracket	70	ROUTE TOO LONG

Athletics Schedule

#	DATE	SCHOOL	VS.	SPORT	DESTINATION		TOTAL MILES	BUS TYPE
348	Wed, 2/15/2023	Candlewood 8	Port Jefferson 8	GBKB	Jefferson School (SPRING STREET GYM)		24	Type A, Type C, Type D
349	Wed, 2/15/2023	H H Hills East	Patchogue-Medford	GBKB	Patchogue Medford High School	ADMISSION FE	48	Type C, Type D
350	Wed, 2/15/2023	West Hollow 7	Stimson 7	GBKB	Stimson Middle School		22	Type A, Type C, Type D
351	Thu, 2/16/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
352	Thu, 2/16/2023	HH Hills West	Championships	CH	TBA (JFK AIRPORT)		65	ROUTE TOO LONG
353	Fri, 2/17/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
354	Sat, 2/25/2023	H H Hills West	Invitational	BWTR	St. Anthony's High School		16	Type A, Type C, Type D
355	Mon, 2/27/2023	Half Hollow Hills	Practice	UBWL	Bowlmor (HILLS EAST ONLY)		15	Type A, Type C, Type D
356	Tue, 2/28/2023	Half Hollow Hills	Practice	UBWL	Bowlmor (HILLS EAST ONLY)		15	Type A, Type C, Type D
357	Tue, 2/28/2023	Candlewood	Great Hollow Blue	WBVB	Great Hollow Middle School		36	Type A, Type C, Type D
358	Tue, 2/28/2023	West Hollow 8	Oldfield 8	GBKB	Oldfield Middle School		24	Type A, Type C, Type D
359	Tue, 2/28/2023	Candlewood 7	Lindenhurst 7	GBKB	William Rall Elementary School		20	Type A, Type C, Type D
360	Wed, 3/1/2023	West Hollow	Babylon	LWWR	Babylon High School		16	Type A, Type C, Type D
361	Thu, 3/2/2023	Half Hollow Hills	Practice	UBWL	Bowlmor (HILLS WEST ONLY)		15	Type A, Type C, Type D
362	Thu, 3/2/2023	Candlewood	Central Islip MS	WBVB	Mulligan Elementary School		25	Type A, Type C, Type D
363	Fri, 3/3/2023	Candlewood	Central Islip Gold	LWWR	Mulligan Elementary School		25	Type A, Type C, Type D
364	Fri, 3/3/2023	West Hollow 7	Oldfield 7	GBKB	Oldfield Middle School		24	Type A, Type C, Type D
365	Fri, 3/3/2023	West Hollow	West Babylon	WBVB	West Babylon Junior High School		16	Type A, Type C, Type D
366	Fri, 3/3/2023	Candlewood 8	Lindenhurst 8	GBKB	William Rall Elementary School		20	Type A, Type C, Type D
367	Sat, 3/4/2023	H H Hills West	Championships	BWTR	Ocean Breeze Athletic Complex		104	ROUTE TOO LONG
368	Sat, 3/4/2023	H H Hills East	Championships	BWTR	Ocean Breeze Athletic Complex		104	ROUTE TOO LONG
369	Sat, 3/4/2023	H H Hills West	Championships	GWTR	Ocean Breeze Athletic Complex		104	ROUTE TOO LONG
370	Mon, 3/6/2023	Half Hollow Hills	Practice	UBWL	Bowlmor (HILLS WEST ONLY)		15	Type A, Type C, Type D
371	Mon, 3/6/2023	Candlewood	West Hollow	LWWR	West Hollow Middle School		20	Type A, Type C, Type D
372	Wed, 3/8/2023	West Hollow	Beach	LWWR	Beach Street Middle School		8	Type A, Type C, Type D
373	Wed, 3/8/2023	Candlewood 8	Stimson 8	GBKB	Stimson Middle School		22	Type A, Type C, Type D
374	Wed, 3/8/2023	West Hollow 8	Lindenhurst 8	GBKB	William Rall Elementary School		20	Type A, Type C, Type D
375	Fri, 3/10/2023	Candlewood	Finley	WBVB	Finley Middle School		22	Type A, Type C, Type D
376	Fri, 3/10/2023	Candlewood	Deer Park	LWWR	Robert Frost Middle School		8	Type A, Type C, Type D
377	Fri, 3/10/2023	West Hollow	Stimson White	WBVB	Stimson Middle School		22	Type A, Type C, Type D
378	Sat, 3/11/2023	West Hollow	Candlewood	WBVB	Candlewood Middle School		11	Type A, Type C, Type D
379	Mon, 3/13/2023	Half Hollow Hills	Practice	UBWL	Bowlmor (HILLS WEST ONLY)		15	Type A, Type C, Type D
380	Mon, 3/13/2023	H H Hills East	Practice	GGLF	Heartland Golf Course		10	Type A, Type C, Type D
381	Mon, 3/13/2023	West Hollow 7	Port Jefferson 7	GBKB	Jefferson School (SPRING STREET GYM)	TIME CHANGE	24	Type A, Type C, Type D
382	Mon, 3/13/2023	Candlewood 7	Oldfield 7	GBKB	Oldfield Middle School		24	Type A, Type C, Type D
383	Tue, 3/14/2023	H H Hills East	Practice	GGLF	Heartland Golf Course		10	Type A, Type C, Type D
384	Tue, 3/14/2023	Half Hollow Hills	Huntington	UBWL	Larkfield Lanes		20	Type A, Type C, Type D
385	Tue, 3/14/2023	West Hollow 8	Stimson 8	GBKB	Stimson Middle School		22	Type A, Type C, Type D
386	Wed, 3/15/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
387	Thu, 3/16/2023	West Hollow 8	Candlewood 8	GBKB	Candlewood Middle School		11	Type A, Type C, Type D
388	Thu, 3/16/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
389	Fri, 3/17/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
390	Mon, 3/20/2023	Half Hollow Hills	Practice	UBWL	Bowlmor (HILLS EAST ONLY)		15	Type A, Type C, Type D
391	Mon, 3/20/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
392	Mon, 3/20/2023	H H Hills West	Scrimmage	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
393	Mon, 3/20/2023	Candlewood	Udall	LWWR	Udall Road Middle School		15	Type A, Type C, Type D
394	Mon, 3/20/2023	West Hollow	West Babylon	LWWR	West Babylon Junior High School		16	Type A, Type C, Type D
395	Mon, 3/20/2023	H H Hills	West Babylon	GLAX	West Babylon Senior High School		16	Type A, Type C, Type D
396	Tue, 3/21/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
397	Tue, 3/21/2023	H H Hills West	Scrimmage	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
398	Tue, 3/21/2023	Half Hollow Hills	Scrimmage	BLAX	General Douglas MacArthur High School		40	Type A, Type C, Type D
399	Tue, 3/21/2023	Half Hollow Hills	Northport	UBWL	Larkfield Lanes		20	Type A, Type C, Type D
400	Tue, 3/21/2023	Candlewood 7	West Hollow 7	GBKB	West Hollow Middle School		20	Type A, Type C, Type D
401	Tue, 3/21/2023	H H Hills East	West Islip	BTEN	West Islip High School		20	Type A, Type C, Type D
402	Wed, 3/22/2023	H H Hills East	Suffolk Coaches	GTR	Bay Shore High School		15	Type A, Type C, Type D
403	Wed, 3/22/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
404	Wed, 3/22/2023	Half Hollow Hills	Port Washington	BLAX	Paul D. Schreiber High School		48	Type C, Type D
405	Wed, 3/22/2023	West Hollow	Deer Park	LWWR	Robert Frost Middle School		8	Type A, Type C, Type D
406	Wed, 3/22/2023	H H Hills West	Sayville	BTEN	Sayville High School		36	Type A, Type C, Type D
407	Thu, 3/23/2023	H H Hills East	Deer Park	GGLF	Heartland Golf Course		10	Type A, Type C, Type D
408	Thu, 3/23/2023	H H Hills West	Deer Park	GGLF	Heartland Golf Course		10	Type A, Type C, Type D
409	Fri, 3/24/2023	H H Hills East	Bay Shore	BTEN	Bay Shore High School	Postpone to 3/2	15	Type A, Type C, Type D
410	Fri, 3/24/2023	H H Hills West	Scrimmage	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
411	Fri, 3/24/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
412	Fri, 3/24/2023	H H Hills West	Eastport/S Manor	GTR	Eastport South Manor High School		66	ROUTE TOO LONG
413	Fri, 3/24/2023	Half Hollow Hills	Harborfields	UBWL	Larkfield Lanes		20	Type A, Type C, Type D
414	Fri, 3/24/2023	Half Hollow Hills	Lindenhurst	BBADM	Lindenhurst High School		16	Type A, Type C, Type D
415	Fri, 3/24/2023	Half Hollow Hills	Lindenhurst	GBADM	Lindenhurst High School		16	Type A, Type C, Type D
416	Fri, 3/24/2023	Half Hollow Hills	Massapequa	GFF	Massapequa High School		30	Type A, Type C, Type D
417	Fri, 3/24/2023	H H Hills East	Plainedge	BSB	Plainedge High School		24	Type A, Type C, Type D
418	Fri, 3/24/2023	H H Hills East	Plainedge	BSB	Plainedge High School		24	Type A, Type C, Type D
419	Fri, 3/24/2023	Half Hollow Hills	Seaford	BLAX	Seaford High School		30	Type A, Type C, Type D
420	Sat, 3/25/2023	H H Hills	Islip	GLAX	Islip High School		20	Type A, Type C, Type D
421	Sun, 3/26/2023	H H Hills West	Ward Melville	BSB	Ward Melville High School		56	Type C, Type D
422	Sun, 3/26/2023	H H Hills West	Ward Melville	BSB	Ward Melville High School (ARCHDEACON)		56	Type C, Type D
423	Mon, 3/27/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
424	Mon, 3/27/2023	H H Hills	Ward Melville	SB	Ward Melville High School		56	Type C, Type D
425	Tue, 3/28/2023	Half Hollow Hills	Center Moriches	GFF	Center Moriches High School (CMHS TURF)		66	ROUTE TOO LONG
426	Tue, 3/28/2023	H H Hills East	North Babylon	BSB	North Babylon High School		12	Type A, Type C, Type D
427	Tue, 3/28/2023	Half Hollow Hills	Ward Melville	BLAX	Ward Melville High School		56	Type C, Type D
428	Tue, 3/28/2023	H H Hills West	Kings Park	BTEN	William T. Rogers Middle School		32	Type A, Type C, Type D
429	Wed, 3/29/2023	H H Hills	Brentwood	GLAX	Brentwood High School		20	Type A, Type C, Type D
430	Wed, 3/29/2023	H H Hills	Brentwood	GLAX	Brentwood High School		20	Type A, Type C, Type D
431	Wed, 3/29/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
432	Wed, 3/29/2023	H H Hills West	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
433	Wed, 3/29/2023	H H Hills West	Elwood/J Glenn	BSB	John Glenn High School		16	Type A, Type C, Type D
434	Wed, 3/29/2023	H H Hills East	North Babylon	BSB	North Babylon High School		12	Type A, Type C, Type D
435	Wed, 3/29/2023	Half Hollow Hills	Smithtown West	BBADM				Type A, Type C, Type D
436	Wed, 3/29/2023	Half Hollow Hills	Smithtown West	GBADM				Type A, Type C, Type D
437	Thu, 3/30/2023	H H Hills	Brentwood	SB	Brentwood High School		20	Type A, Type C, Type D
438	Thu, 3/30/2023	H H Hills East	Commack HS	BTEN	Commack High School		20	Type A, Type C, Type D
439	Thu, 3/30/2023	H H Hills West	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
440	Thu, 3/30/2023	H H Hills West	East Islip	BTR	East Islip Middle School		32	Type A, Type C, Type D
441	Thu, 3/30/2023	H H Hills West	Harborfields	BSB	Harborfields High School		20	Type A, Type C, Type D
442	Thu, 3/30/2023	H H Hills West	Smithtown East	BTEN	Smithtown East High School		34	Type A, Type C, Type D
443	Thu, 3/30/2023	H H Hills East	West Babylon	GTR	West Babylon Junior High School		16	Type A, Type C, Type D
444	Fri, 3/31/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
445	Fri, 3/31/2023	H H Hills West	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
446	Fri, 3/31/2023	H H Hills East	North Babylon	BSB	North Babylon High School		12	Type A, Type C, Type D
447	Fri, 3/31/2023	Half Hollow Hills	Riverhead	BLAX	Pulaski Sports Complex		20	Type A, Type C, Type D
448	Fri, 3/31/2023	H H Hills West	West Babylon	BTEN	West Babylon Senior High School		16	Type A, Type C, Type D
449	Sat, 4/1/2023	H H Hills	Central Islip	GLAX	Central Islip High School		24	Type A, Type C, Type D
450	Sat, 4/1/2023	H H Hills East	Scrimmage	BTR	Comsewogue High School	Cancelled due t	54	Type C, Type D
451	Sat, 4/1/2023	H H Hills West	Elwood/J Glenn	BSB	Diamond in the Pines		36	Type A, Type C, Type D
452	Mon, 4/3/2023	H H Hills West	Commack HS	SB	Commack High School		20	Type A, Type C, Type D
453	Mon, 4/3/2023	H H Hills West	Harborfields	BSB	Harborfields High School		20	Type A, Type C, Type D
454	Mon, 4/3/2023	Half Hollow Hills	Huntington	BBADM	Huntington High School		24	Type A, Type C, Type D
455	Mon, 4/3/2023	H H Hills East	Huntington	BSB	Huntington High School		24	Type A, Type C, Type D
456	Mon, 4/3/2023	Half Hollow Hills	Huntington	GBADM	Huntington High School		24	Type A, Type C, Type D
457	Mon, 4/3/2023	Half Hollow Hills	Huntington	BLAX	Huntington High School (GRASS)		24	Type A, Type C, Type D
458	Mon, 4/3/2023	H H Hills	Riverhead	GLAX	Pulaski Sports Complex (TURF FIELD)		20	Type A, Type C, Type D
459	Mon, 4/3/2023	H H Hills East	West Islip	BTR	West Islip High School		20	Type A, Type C, Type D
460	Tue, 4/4/2023	H H Hills East	Huntington	BSB	Huntington High School		24	Type A, Type C, Type D
461	Wed, 4/5/2023	H H Hills	Bay Shore	SB	Fifth Avenue School		20	Type A, Type C, Type D
462	Wed, 4/5/2023	H H Hills East	Huntington	BSB	Huntington High School		24	Type A, Type C, Type D
463	Sat, 4/8/2023	H H Hills West	Longwood Relays	BTR	Longwood High School		60	Type C
464	Sat, 4/8/2023	H H Hills West	Invitational	GTR	Longwood High School		60	Type C

Athletics Schedule

#	DATE	SCHOOL	VS.	SPORT	DESTINATION		TOTAL MILES	BUS TYPE
465	Mon, 4/10/2023	H H Hills	Central Islip	SB	Central Islip High School		24	Type A, Type C, Type D
466	Mon, 4/10/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
467	Mon, 4/10/2023	H H Hills West	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
468	Mon, 4/10/2023	H H Hills West	Kings Park	BSB	Kings Park High School		28	Type A, Type C, Type D
469	Mon, 4/10/2023	H H Hills West	Smithtown West	BTEN	Smithtown West High School		30	Type A, Type C, Type D
470	Mon, 4/10/2023	H H Hills West	Smithtown West	BTEN	Smithtown West High School	Rescheduled dc	30	Type A, Type C, Type D
471	Tue, 4/11/2023	Half Hollow Hills	Connetquot	GFF	Connetquot High School		30	Type A, Type C, Type D
472	Tue, 4/11/2023	H H Hills East	Elwood/J Glenn	BTEN	Elwood John Glenn High School		16	Type A, Type C, Type D
473	Tue, 4/11/2023	H H Hills West	Kings Park	BSB	Kings Park High School		28	Type A, Type C, Type D
474	Tue, 4/11/2023	H H Hills East	Northport	BSB	Northport High School		20	Type A, Type C, Type D
475	Tue, 4/11/2023	H H Hills West	Walt Whitman	SB	South Huntington Public Library		16	Type A, Type C, Type D
476	Wed, 4/12/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
477	Wed, 4/12/2023	H H Hills West	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
478	Wed, 4/12/2023	H H Hills East	Kings Park	BTEN	Kings Park High School		28	Type A, Type C, Type D
479	Wed, 4/12/2023	H H Hills East	Northport	BSB	Northport High School		20	Type A, Type C, Type D
480	Wed, 4/12/2023	H H Hills West	Steeplechase	BTR	Port Jefferson High School		60	Type C
481	Wed, 4/12/2023	H H Hills East	Steeplechase	BTR	Port Jefferson High School		60	Type C
482	Wed, 4/12/2023	Half Hollow Hills	Walt Whitman	BLAX	Walt Whitman High School		25	Type A, Type C, Type D
483	Thu, 4/13/2023	H H Hills East	H H Hills West	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
484	Thu, 4/13/2023	H H Hills West	Islip	BSB	Islip High School		20	Type A, Type C, Type D
485	Thu, 4/13/2023	H H Hills East	Syosset	BTEN	Syosset High School		28	Type A, Type C, Type D
486	Fri, 4/14/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
487	Fri, 4/14/2023	H H Hills West	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
488	Fri, 4/14/2023	Half Hollow Hills	Hauppauge	GFF	Hauppauge High School		25	Type A, Type C, Type D
489	Fri, 4/14/2023	H H Hills	Kings Park	SB	Kings Park High School		28	Type A, Type C, Type D
490	Fri, 4/14/2023	H H Hills East	Northport	BSB	Northport High School		20	Type A, Type C, Type D
491	Fri, 4/14/2023	H H Hills	Northport	GLAX	Northport High School (STADIUM FIELD)		20	Type A, Type C, Type D
492	Fri, 4/14/2023	H H Hills	Northport	GLAX	Northport High School (STADIUM FIELD)		20	Type A, Type C, Type D
493	Fri, 4/14/2023	Half Hollow Hills	Walt Whitman	BBADM	Walt Whitman High School		25	Type A, Type C, Type D
494	Fri, 4/14/2023	Half Hollow Hills	Walt Whitman	GBADM	Walt Whitman High School		25	Type A, Type C, Type D
495	Fri, 4/14/2023	H H Hills East	Ward Melville	BTEN	Ward Melville High School		56	Type C, Type D
496	Sat, 4/15/2023	H H Hills West	Suffolk Coaches	GTR	Bay Shore High School	Suffolk Coaches	15	Type A, Type C, Type D
497	Sat, 4/15/2023	H H Hills West	Invitational	BTR	Huntington High School		24	Type A, Type C, Type D
498	Sat, 4/15/2023	H H Hills West	Islip	BSB	Islip High School		20	Type A, Type C, Type D
499	Sat, 4/15/2023	H H Hills West	Northport	SB	Northport High School		20	Type A, Type C, Type D
500	Sat, 4/15/2023	Half Hollow Hills	Smithtown East	BLAX	Smithtown East High School (TURF FIELD)		34	Type A, Type C, Type D
501	Mon, 4/17/2023	Half Hollow Hills	Commack HS	BLAX	Commack High School		20	Type A, Type C, Type D
502	Mon, 4/17/2023	H H Hills West	Deer Park	BSB	Deer Park High School		6	Type A, Type C, Type D
503	Mon, 4/17/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
504	Mon, 4/17/2023	H H Hills West	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
505	Mon, 4/17/2023	H H Hills	Lindenhurst	SB	McKenna Administration Building		26	Type A, Type C, Type D
506	Mon, 4/17/2023	H H Hills East	West Islip	BSB	West Islip High School		20	Type A, Type C, Type D
507	Tue, 4/18/2023	H H Hills West	Commack HS	BTEN	Commack High School		20	Type A, Type C, Type D
508	Tue, 4/18/2023	H H Hills East	HUNTINGTON	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
509	Tue, 4/18/2023	H H Hills West	HUNTINGTON	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
510	Tue, 4/18/2023	H H Hills West	Hauppauge	GTR	Hauppauge High School		25	Type A, Type C, Type D
511	Tue, 4/18/2023	H H Hills East	North Babylon	GTR	North Babylon High School		12	Type A, Type C, Type D
512	Tue, 4/18/2023	H H Hills East	Smithtown West	BTEN	Smithtown West High School		30	Type A, Type C, Type D
513	Wed, 4/19/2023	H H Hills West	Deer Park	BSB	Deer Park High School		6	Type A, Type C, Type D
514	Wed, 4/19/2023	H H Hills West	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
515	Wed, 4/19/2023	H H Hills East	Harborfields	BTEN	Harborfields High School		20	Type A, Type C, Type D
516	Wed, 4/19/2023	Half Hollow Hills	Patchogue-Medford	BLAX	Patchogue Medford High School		48	Type C, Type D
517	Wed, 4/19/2023	Candlewood	Moses	BLAX	Robert Moses Middle School		8	Type A, Type C, Type D
518	Wed, 4/19/2023	H H Hills East	West Islip	BSB	West Islip High School		20	Type A, Type C, Type D
519	Wed, 4/19/2023	H H Hills West	Smithtown West	SB				Type A, Type C, Type D
520	Thu, 4/20/2023	West Hollow	Bethpage	BLAX	Bethpage High School		25	Type A, Type C, Type D
521	Thu, 4/20/2023	H H Hills West	Deer Park	BSB	Deer Park High School		6	Type A, Type C, Type D
522	Thu, 4/20/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
523	Thu, 4/20/2023	H H Hills West	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
524	Thu, 4/20/2023	H H Hills East	Huntington	BTEN	Huntington High School		24	Type A, Type C, Type D
525	Thu, 4/20/2023	H H Hills West	Northport	BTEN	Northport High School		20	Type A, Type C, Type D
526	Thu, 4/20/2023	H H Hills	Walt Whitman	GLAX	Walt Whitman High School		25	Type A, Type C, Type D
527	Thu, 4/20/2023	H H Hills	Walt Whitman	GLAX	Walt Whitman High School		25	Type A, Type C, Type D
528	Thu, 4/20/2023	H H Hills East	West Islip	BSB	West Islip High School		20	Type A, Type C, Type D
529	Fri, 4/21/2023	H H Hills West	Invitational	GTR	Connetquot High School	Joe Brandi Rela	30	Type A, Type C, Type D
530	Fri, 4/21/2023	H H Hills West	Relays	GTR	TBA	NYS Relays	40	Type A, Type C, Type D
531	Sat, 4/22/2023	H H Hills East	Suffolk Coaches	BTR	Commack High School		20	Type A, Type C, Type D
532	Sat, 4/22/2023	H H Hills West	Suffolk Coaches	BTR	Commack High School		20	Type A, Type C, Type D
533	Sat, 4/22/2023	H H Hills West	Relays	GTR	TBA	NYS Relays	40	Type A, Type C, Type D
534	Sat, 4/22/2023	H H Hills East	Wheatley	BTEN	Wheatley School		40	Type A, Type C, Type D
535	Mon, 4/24/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
536	Mon, 4/24/2023	H H Hills West	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
537	Mon, 4/24/2023	H H Hills West	Hauppauge	BSB	Hauppauge High School		25	Type A, Type C, Type D
538	Mon, 4/24/2023	H H Hills East	Westhampton	BTEN	Westhampton Beach High School		85	ROUTE TOO LONG
539	Tue, 4/25/2023	H H Hills West	Comsewogue	BTR	Comsewogue High School		54	Type C, Type D
540	Tue, 4/25/2023	H H Hills West	Elwood/J Glenn	BTEN	Elwood John Glenn High School		16	Type A, Type C, Type D
541	Tue, 4/25/2023	H H Hills West	North Babylon	SB	North Babylon High School		12	Type A, Type C, Type D
542	Tue, 4/25/2023	H H Hills East	Northport	BTEN	Northport High School		20	Type A, Type C, Type D
543	Tue, 4/25/2023	West Hollow	Moses	BLAX	Robert Moses Middle School		8	Type A, Type C, Type D
544	Tue, 4/25/2023	Half Hollow Hills	Sachem North	BLAX	Sachem North High School (TURF FIELD)		40	Type A, Type C, Type D
545	Tue, 4/25/2023	West Hollow	Udall	GTR	Udall Road Middle School		15	Type A, Type C, Type D
546	Wed, 4/26/2023	Half Hollow Hills	Brentwood	BBADM	Brentwood High School		20	Type A, Type C, Type D
547	Wed, 4/26/2023	Half Hollow Hills	Brentwood	GBADM	Brentwood High School		20	Type A, Type C, Type D
548	Wed, 4/26/2023	Candlewood White	Copiague	BSB	Copiague Middle School (MS BASEBALL FIELD)		16	Type A, Type C, Type D
549	Wed, 4/26/2023	H H Hills West	Hauppauge	BSB	Hauppauge Middle School		25	Type A, Type C, Type D
550	Wed, 4/26/2023	H H Hills East	Bay Shore	GGLF	Southward Ho Country Club		28	Type A, Type C, Type D
551	Wed, 4/26/2023	H H Hills West	Bay Shore	GGLF	Southward Ho Country Club		28	Type A, Type C, Type D
552	Thu, 4/27/2023	West Hollow	Candlewood	BLAX	Candlewood Middle School		11	Type A, Type C, Type D
553	Thu, 4/27/2023	West Hollow	Candlewood	SB	Candlewood Middle School		11	Type A, Type C, Type D
554	Thu, 4/27/2023	West Hollow	Copiague	GLAX	Copiague Middle School (GRASS FIELD)		16	Type A, Type C, Type D
555	Thu, 4/27/2023	H H Hills East	Deer Park	BTR	Deer Park High School		6	Type A, Type C, Type D
556	Thu, 4/27/2023	H H Hills West	Hauppauge	BSB	Hauppauge High School		25	Type A, Type C, Type D
557	Thu, 4/27/2023	H H Hills	Huntington	SB	Huntington High School		24	Type A, Type C, Type D
558	Thu, 4/27/2023	H H Hills	Patchogue-Medford	GLAX	Patchogue Medford High School (TURF FIELD)		48	Type C, Type D
559	Thu, 4/27/2023	Candlewood	Moses	GLAX	Robert Moses Middle School		8	Type A, Type C, Type D
560	Thu, 4/27/2023	H H Hills East	Smithtown East	BTEN	Smithtown East High School		34	Type A, Type C, Type D
561	Thu, 4/27/2023	H H Hills East	West Babylon	GGLF	SUMPWAMS		20	Type A, Type C, Type D
562	Thu, 4/27/2023	H H Hills East	West Islip	GGLF	SUMPWAMS		20	Type A, Type C, Type D
563	Thu, 4/27/2023	H H Hills West	West Babylon	GGLF	SUMPWAMS		20	Type A, Type C, Type D
564	Thu, 4/27/2023	H H Hills West	West Islip	GGLF	SUMPWAMS		20	Type A, Type C, Type D
565	Thu, 4/27/2023	H H Hills West	Penn Relays	BTR	TBA (UNIV. PA)		300	ROUTE TOO LONG
566	Thu, 4/27/2023	HH Hills West UBKB	Walt Whitman UBKB	UBKB	Walt Whitman High School (SOUTH GYM)		25	Type A, Type C, Type D
567	Fri, 4/28/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
568	Fri, 4/28/2023	H H Hills West	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
569	Fri, 4/28/2023	Candlewood	Finley	SB	Finley Middle School		22	Type A, Type C, Type D
570	Fri, 4/28/2023	West Hollow	Accompsett	BTR	Smithtown West High School		30	Type A, Type C, Type D
571	Fri, 4/28/2023	H H Hills East	Clarke	BSB	W Tresper Clarke High School		40	Type A, Type C, Type D
572	Sat, 4/29/2023	Half Hollow Hills	Longwood	BLAX	Longwood High School		60	Type C
573	Sat, 4/29/2023	H H Hills West	Invitational	BTR	Smithtown East High School	Bob Pratt Invite	34	Type A, Type C, Type D
574	Sat, 4/29/2023	H H Hills West	Invitational	GTR	Smithtown East High School	Bob Pratt Invite	34	Type A, Type C, Type D
575	Sat, 4/29/2023	H H Hills East	Invitational	GTR	Smithtown East High School	Smithtown Invit	34	Type A, Type C, Type D
576	Mon, 5/1/2023	Candlewood	Copiague	GTR	Copiague High School (TURF FIELD)		16	Type A, Type C, Type D
577	Mon, 5/1/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
578	Mon, 5/1/2023	H H Hills West	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
579	Mon, 5/1/2023	H H Hills East	E Hampton/BH/Pier	BTEN	East Hampton High School		136	ROUTE TOO LONG
580	Mon, 5/1/2023	WEST HOLLOW WHITE	Amityville	BSB	Edmund W. Miles Middle School		8	Type A, Type C, Type D
581	Mon, 5/1/2023	Half Hollow Hills	North Babylon	GFF	North Babylon High School		12	Type A, Type C, Type D

Athletics Schedule

#	DATE	SCHOOL	VS.	SPORT	DESTINATION		TOTAL MILES	BUS TYPE
582	Mon, 5/1/2023	Half Hollow Hills	Patchogue-Medford	BBADM	Patchogue Medford High School		48	Type C, Type D
583	Mon, 5/1/2023	Half Hollow Hills	Patchogue-Medford	GBADM	Patchogue Medford High School		48	Type C, Type D
584	Mon, 5/1/2023	H H Hills East	Smithtown West	GTR	Smithtown West High School		30	Type A, Type C, Type D
585	Mon, 5/1/2023	H H Hills West	Walt Whitman	BTEN	Walt Whitman High School		25	Type A, Type C, Type D
586	Mon, 5/1/2023	H H Hills West	West Babylon	BSB	West Babylon Senior High School		16	Type A, Type C, Type D
587	Tue, 5/2/2023	H H Hills East	Copiague	BSB	Copiague High School		16	Type A, Type C, Type D
588	Tue, 5/2/2023	HH Hills East UBKB	HH Hills West UBKB	UBKB	H H HILLS WEST HS		10	Type A, Type C, Type D
589	Tue, 5/2/2023	H H Hills East	Hauppauge	BTEN	Hauppauge High School		25	Type A, Type C, Type D
590	Tue, 5/2/2023	Candlewood White	West Babylon Blue	BSB	West Babylon Senior High School		16	Type A, Type C, Type D
591	Tue, 5/2/2023	H H Hills	West Islip	SB	West Islip High School		20	Type A, Type C, Type D
592	Wed, 5/3/2023	H H Hills West	Brentwood	SB	Brentwood High School		20	Type A, Type C, Type D
593	Wed, 5/3/2023	Half Hollow Hills	Connetquot	BLAX	Connetquot High School		30	Type A, Type C, Type D
594	Wed, 5/3/2023	H H Hills East	Copiague	BSB	Copiague High School		16	Type A, Type C, Type D
595	Wed, 5/3/2023	H H Hills West	H H Hills East	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
596	Wed, 5/3/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
597	Wed, 5/3/2023	H H Hills West	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
598	Wed, 5/3/2023	West Hollow Red	LINDENHURST GREEN	BSB	Shore Road Park		100	ROUTE TOO LONG
599	Wed, 5/3/2023	H H Hills West	West Babylon	BSB	West Babylon Senior High School		16	Type A, Type C, Type D
600	Thu, 5/4/2023	H H Hills	Copiague	GLAX	Copiague High School		16	Type A, Type C, Type D
601	Thu, 5/4/2023	H H Hills	Copiague	GLAX	Copiague High School		16	Type A, Type C, Type D
602	Thu, 5/4/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
603	Thu, 5/4/2023	H H Hills West	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
604	Thu, 5/4/2023	HH Hills West UBKB	John Glenn UBKB	UBKB	Elwood John Glenn High School		16	Type A, Type C, Type D
605	Thu, 5/4/2023	H H Hills West	Harborfields	BTEN	Harborfields High School		20	Type A, Type C, Type D
606	Thu, 5/4/2023	Half Hollow Hills	Harborfields	GFF	Harborfields High School		20	Type A, Type C, Type D
607	Thu, 5/4/2023	West Hollow/Cand	Seneca/Sam/Sag	SBSW	Sachem North High School		40	Type A, Type C, Type D
608	Thu, 5/4/2023	H H Hills East	Walt Whitman	BTEN	Walt Whitman High School		25	Type A, Type C, Type D
609	Thu, 5/4/2023	H H Hills West	West Babylon	BSB	West Babylon Senior High School		16	Type A, Type C, Type D
610	Thu, 5/4/2023	H H Hills West	Westhampton	GTR	Westhampton Beach High School		85	ROUTE TOO LONG
611	Fri, 5/5/2023	West Hollow	Amityville	BTR	Amityville Memorial High School		20	Type A, Type C, Type D
612	Fri, 5/5/2023	H H Hills East	Copiague	BSB	Copiague High School		16	Type A, Type C, Type D
613	Fri, 5/5/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
614	Fri, 5/5/2023	H H Hills West	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
615	Fri, 5/5/2023	Candlewood Red	Northport MS	BSB	Northport MIddle School		24	Type A, Type C, Type D
616	Fri, 5/5/2023	H H Hills West	St Anthonys	BTR	St. Anthony's High School		16	Type A, Type C, Type D
617	Fri, 5/5/2023	H H Hills West	St Anthonys	GTR	St. Anthony's High School		16	Type A, Type C, Type D
618	Fri, 5/5/2023	Half Hollow Hills	Ward Melville	BBADM	Ward Melville High School		56	Type C, Type D
619	Fri, 5/5/2023	Half Hollow Hills	Ward Melville	GBADM	Ward Melville High School		56	Type C, Type D
620	Sat, 5/6/2023	H H Hills West	Bellport	SB	Bellport High School		58	Type C
621	Sat, 5/6/2023	Half Hollow Hills	Copiague	BLAX	Copiague High School		16	Type A, Type C, Type D
622	Sat, 5/6/2023	Candlewood	West Hollow	BLAX	Half Hollow Hills East High School		16	Type A, Type C, Type D
623	Sat, 5/6/2023	Candlewood	Islip	GLAX	Islip Middle School		20	Type A, Type C, Type D
624	Sat, 5/6/2023	H H Hills West	St Anthonys	GTR	St. Anthony's High School		16	Type A, Type C, Type D
625	Mon, 5/8/2023	H H Hills	Middle Country	GLAX	Centereach High School		44	Type A, Type C, Type D
626	Mon, 5/8/2023	H H Hills	Middle Country	GLAX	Centereach High School		44	Type A, Type C, Type D
627	Mon, 5/8/2023	H H Hills	Commack HS	SB	Commack High School		20	Type A, Type C, Type D
628	Mon, 5/8/2023	Candlewood	Commack	SB	Commack Middle School		7	Type A, Type C, Type D
629	Mon, 5/8/2023	Candlewood	Copiague	BLAX	Copiague Middle School (GRASS FIELD)		16	Type A, Type C, Type D
630	Mon, 5/8/2023	H H Hills West	East Islip	BSB	East Islip High School		32	Type A, Type C, Type D
631	Mon, 5/8/2023	West Hollow	Deer Park	GLAX	Robert Frost Middle School		8	Type A, Type C, Type D
632	Tue, 5/9/2023	Half Hollow Hills	Bay Shore	BLAX	Bay Shore High School		15	Type A, Type C, Type D
633	Tue, 5/9/2023	West Hollow	Beach	GTR	Beach Street Middle School		8	Type A, Type C, Type D
634	Tue, 5/9/2023	H H Hills West	H H Hills East	BTEN	H H HILLS EAST HS		10	Type A, Type C, Type D
635	Tue, 5/9/2023	H H Hills East	H H Hills West	BTEN	H H HILLS WEST HS		10	Type A, Type C, Type D
636	Tue, 5/9/2023	WEST HOLLOW WHITE	Moses	BSB	Robert Moses Middle School		8	Type A, Type C, Type D
637	Tue, 5/9/2023	H H Hills East	Smithtown West	BSB	Smithtown West High School		30	Type A, Type C, Type D
638	Tue, 5/9/2023	HH Hills East UBKB	Walt Whitman UBKB	UBKB	Walt Whitman High School (SOUTH GYM)		25	Type A, Type C, Type D
639	Wed, 5/10/2023	Half Hollow Hills	Sayville	GFF	160 Greeley Avenue (TURF FIELD)		42	Type A, Type C, Type D
640	Wed, 5/10/2023	Half Hollow Hills	Central Islip	BBADM	Central Islip High School		24	Type A, Type C, Type D
641	Wed, 5/10/2023	Half Hollow Hills	Central Islip	GBADM	Central Islip High School		24	Type A, Type C, Type D
642	Wed, 5/10/2023	H H Hills West	EH/BH/Pier	BTR	East Hampton High School		136	ROUTE TOO LONG
643	Wed, 5/10/2023	H H Hills West	East Islip	BSB	East Islip High School		32	Type A, Type C, Type D
644	Wed, 5/10/2023	Candlewood	East Northport	SB	East Northport Middle School		20	Type A, Type C, Type D
645	Wed, 5/10/2023	H H Hills West	Bay Shore	SB	Fifth Avenue School		20	Type A, Type C, Type D
646	Wed, 5/10/2023	West Hollow White	Practice	SB	H H HILLS WEST HS		16	Type A, Type C, Type D
647	Wed, 5/10/2023	H H Hills East	Smithtown West	BSB	Smithtown West High School		30	Type A, Type C, Type D
648	Thu, 5/11/2023	H H Hills East	Bellport	BTR	Bellport High School		58	Type C
649	Thu, 5/11/2023	West Hollow/Cand	Brentwood/Bay Shore	SBSW	Brentwood High School (ROSS AQUATIC CENTER)		20	Type A, Type C, Type D
650	Thu, 5/11/2023	H H Hills West	Copiague	SB	Copiague High School (HS SOFTBALL FIELD)	rescheduled	16	Type A, Type C, Type D
651	Thu, 5/11/2023	H H Hills West	East Islip	BSB	East Islip High School		32	Type A, Type C, Type D
652	Thu, 5/11/2023	Candlewood Red	East Northport	BSB	East Northport Middle School		20	Type A, Type C, Type D
653	Thu, 5/11/2023	HH Hills West UBKB	Huntington UBKB	UBKB	Finley Middle School		22	Type A, Type C, Type D
654	Thu, 5/11/2023	H H Hills	Patchogue-Medford	GLAX	Patchogue Medford High School (GRASS FIELD)		48	Type C, Type D
655	Thu, 5/11/2023	H H Hills East	Smithtown West	BSB	Smithtown West High School		30	Type A, Type C, Type D
656	Thu, 5/11/2023	West Hollow	Kings Park	SB	William T. Rogers Middle School		32	Type A, Type C, Type D
657	Fri, 5/12/2023	Half Hollow Hills	Brentwood	BLAX	Brentwood High School		20	Type A, Type C, Type D
658	Fri, 5/12/2023	West Hollow Red	Finley	BSB	Finley Middle School		22	Type A, Type C, Type D
659	Fri, 5/12/2023	Candlewood Red	Oldfield	BSB	Oldfield Middle School		24	Type A, Type C, Type D
660	Fri, 5/12/2023	Candlewood	Great Hollow	BTR	Smithtown East High School		34	Type A, Type C, Type D
661	Fri, 5/12/2023	H H Hills	Walt Whitman	SB	South Huntington Public Library		16	Type A, Type C, Type D
662	Fri, 5/12/2023	H H Hills East	Invitational	GTR	West Babylon Junior High School	Bohlinger Invita	16	Type A, Type C, Type D
663	Fri, 5/12/2023	H H Hills West	Invitational	GTR	West Babylon Senior High School		16	Type A, Type C, Type D
664	Fri, 5/12/2023	H H Hills West	Loucks Games	BTR	White Plains High School	Loucks Games	100	ROUTE TOO LONG
665	Fri, 5/12/2023	H H Hills West	Loucks Games	GTR	White Plains High School	Loucks Games	100	ROUTE TOO LONG
666	Sat, 5/13/2023	H H Hills West	Loucks Games	BTR	White Plains High School	Loucks Games	100	ROUTE TOO LONG
667	Sat, 5/13/2023	H H Hills West	Loucks Games	GTR	White Plains High School	Loucks Games	100	ROUTE TOO LONG
668	Mon, 5/15/2023	West Hollow	Brentwood White	GLAX	Brentwood North Middle School		18	Type A, Type C, Type D
669	Mon, 5/15/2023	Candlewood	Central Islip	GLAX	Central Islip High School		24	Type A, Type C, Type D
670	Mon, 5/15/2023	Half Hollow Hills	Commack HS	BBADM	Commack High School		20	Type A, Type C, Type D
671	Mon, 5/15/2023	Half Hollow Hills	Commack HS	GBADM	Commack High School		20	Type A, Type C, Type D
672	Mon, 5/15/2023	West Hollow	Elwood	SB	Elwood John Glenn High School		16	Type A, Type C, Type D
673	Mon, 5/15/2023	H H Hills East	Frosh/Soph Meet	GTR	Longwood High School	Frosh/Soph Cha	60	Type C
674	Mon, 5/15/2023	H H Hills West	Frosh/Soph Meet	GTR	Longwood High School	Frosh Soph	60	Type C
675	Tue, 5/16/2023	Half Hollow Hills	Bayport-Blue Pt	BLAX	Bayport Blue Point High School		24	Type A, Type C, Type D
676	Tue, 5/16/2023	Candlewood White	Commack White	BSB	Commack Middle School		7	Type A, Type C, Type D
677	Tue, 5/16/2023	H H Hills West	Hauppauge	BSB	Hauppauge High School		25	Type A, Type C, Type D
678	Tue, 5/16/2023	H H Hills West	Frosh/Soph Meet	BTR	Longwood High School	Frosh Soph Invi	60	Type C
679	Tue, 5/16/2023	West Hollow Red	Udall	BSB	Manetuck Elementary School		12	Type A, Type C, Type D
680	Tue, 5/16/2023	Candlewood	Stimson	GTR	Walt Whitman High School (TURF FIELD)		25	Type A, Type C, Type D
681	Wed, 5/17/2023	H H Hills West	Invitational	BTR	Copiague High School		16	Type A, Type C, Type D
682	Wed, 5/17/2023	H H Hills East	Invitational	BTR	Copiague High School	Chris Urban Inv	16	Type A, Type C, Type D
683	Wed, 5/17/2023	H H Hills West	Invitational	GTR	Copiague High School		16	Type A, Type C, Type D
684	Wed, 5/17/2023	Candlewood	Northport MS	SB	Northport MIddle School		24	Type A, Type C, Type D
685	Thu, 5/18/2023	West Hollow/Cand	Hauppauge	SBSW	Hauppauge High School		25	Type A, Type C, Type D
686	Thu, 5/18/2023	HH Hills East UBKB	Northport UBKB	UBKB	Northport High School		20	Type A, Type C, Type D
687	Thu, 5/18/2023	Candlewood	Moses	GTR	Robert Moses Middle School		8	Type A, Type C, Type D
688	Thu, 5/18/2023	West Hollow	Stimson	GTR	Walt Whitman High School		25	Type A, Type C, Type D
689	Thu, 5/18/2023	H H Hills West	Ward Melville	BTEN	Ward Melville High School		56	Type C, Type D
690	Fri, 5/19/2023	H H Hills West	Kings Park	BSB	Kings Park High School		28	Type A, Type C, Type D
691	Fri, 5/19/2023	Candlewood Red	Kings Park	BSB	William T. Rogers Middle School		32	Type A, Type C, Type D
692	Sat, 5/20/2023	Half Hollow Hills	Northport	BLAX	Northport High School	PO	20	Type A, Type C, Type D
693	Mon, 5/22/2023	WEST HOLLOW WHITE	West Babylon Blue	BSB	Anthony Sanchez Memorial Park		12	Type A, Type C, Type D
694	Mon, 5/22/2023	H H Hills West	East Islip	BSB	East Islip High School		32	Type A, Type C, Type D
695	Mon, 5/22/2023	Half Hollow Hills	Hauppauge	GFF	Hauppauge High School		25	Type A, Type C, Type D
696	Mon, 5/22/2023	West Hollow	Hauppauge	SB	Hauppauge Middle School	postponed	25	Type A, Type C, Type D
697	Mon, 5/22/2023	Candlewood	Accompsett	GTR	Smithtown West High School		30	Type A, Type C, Type D
698	Tue, 5/23/2023	Candlewood	Amityville	BTR	Amityville Memorial High School		20	Type A, Type C, Type D

Athletics Schedule

#	DATE	SCHOOL	VS.	SPORT	DESTINATION		TOTAL MILES	BUS TYPE
699	Tue, 5/23/2023	West Hollow	Finley	SB	Finley Middle School		22	Type A, Type C, Type D
700	Tue, 5/23/2023	West Hollow	Hauppauge	BLAX	Hauppauge Middle School		25	Type A, Type C, Type D
701	Tue, 5/23/2023	Candlewood	Deer Park	BLAX	Robert Frost Middle School		8	Type A, Type C, Type D
702	Wed, 5/24/2023	H H Hills East	Commack HS	BTEN	Commack High School		20	Type A, Type C, Type D
703	Wed, 5/24/2023	West Hollow	Commack MS	BTR	Commack Middle School		7	Type A, Type C, Type D
704	Wed, 5/24/2023	H H Hills East	Championships	BTR	Connetquot High School	County A Cham	30	Type A, Type C, Type D
705	Wed, 5/24/2023	H H Hills East	Championships	GTR	Connetquot High School	County A Cham	30	Type A, Type C, Type D
706	Wed, 5/24/2023	Candlewood	West Hollow	GLAX	H H HILLS EAST HS		16	Type A, Type C, Type D
707	Wed, 5/24/2023	West Hollow Red	Oldfield	BSB	Harborfields High School		20	Type A, Type C, Type D
708	Thu, 5/25/2023	H H Hills West	Championships	BTR	Kings Park High School		28	Type A, Type C, Type D
709	Thu, 5/25/2023	H H Hills West	Championships	GTR	Kings Park High School	County B Cham	28	Type A, Type C, Type D
710	Thu, 5/25/2023	West Hollow	Oldfield	SB	Oldfield Middle School		24	Type A, Type C, Type D
711	Thu, 5/25/2023	Half Hollow Hills	Patchogue	GFF	Sachem East High School		48	Type C, Type D
712	Thu, 5/25/2023	Candlewood	Stimson	SB	Stimson Middle School		22	Type A, Type C, Type D
713	Tue, 5/30/2023	Candlewood White	Amityville	BSB	Amityville Memorial High School		20	Type A, Type C, Type D
714	Tue, 5/30/2023	WEST HOLLOW WHITE	Commack White	BSB	Commack Middle School		7	Type A, Type C, Type D
715	Tue, 5/30/2023	West Hollow	Lindenhurst	GTR	Lindenhurst Middle School		16	Type A, Type C, Type D
716	Tue, 5/30/2023	HH Hills East UBKB	Wyandanch UBKB	UBKB	Wyandanch Memorial High School		12	Type A, Type C, Type D
717	Wed, 5/31/2023	Candlewood	Beach	BTR	Beach Street Middle School		8	Type A, Type C, Type D
718	Wed, 5/31/2023	West Hollow/Cand	Gelinas/Murphy	SBSW	Ward Melville High School		56	Type C, Type D
719	Thu, 6/1/2023	WEST HOLLOW WHITE	Brentwood East	BSB	Brentwood East Middle School		24	Type A, Type C, Type D
720	Thu, 6/1/2023	Candlewood	Brentwood White	GLAX	Brentwood North Middle School		18	Type A, Type C, Type D
721	Thu, 6/1/2023	H H Hills West	State Qual Meet	BTR	Comsewogue High School		54	Type C, Type D
722	Thu, 6/1/2023	H H Hills East	State Qual Meet	BTR	Comsewogue High School	Section XI State	54	Type C, Type D
723	Thu, 6/1/2023	H H Hills East	Championships	GTR	Comsewogue High School	Section XI Char	54	Type C, Type D
724	Thu, 6/1/2023	H H Hills West	State Qual Meet	GTR	Comsewogue High School	State Qualifer	54	Type C, Type D
725	Thu, 6/1/2023	West Hollow	Elwood	BLAX	Elwood John Glenn High School		16	Type A, Type C, Type D
726	Thu, 6/1/2023	Candlewood Red	LINDENHURST GREEN	BSB	Lindenhurst Middle School		16	Type A, Type C, Type D
727	Fri, 6/2/2023	West Hollow	Candlewood	GTR	Candlewood Middle School		11	Type A, Type C, Type D
728	Fri, 6/2/2023	H H Hills West	State Qual Meet	BTR	Comsewogue High School		54	Type C, Type D
729	Fri, 6/2/2023	H H Hills East	State Qual Meet	BTR	Comsewogue High School	Section XI State	54	Type C, Type D
730	Fri, 6/2/2023	H H Hills West	State Qual Meet	GTR	Comsewogue High School	State Qualifer	54	Type C, Type D
731	Fri, 6/2/2023	H H Hills East	State Qual Meet	GTR	Comsewogue High School	State Qualifer	54	Type C, Type D
732	Fri, 6/2/2023	Candlewood	West Hollow	BTR	West Hollow Middle School		20	Type A, Type C, Type D
733	Sat, 6/3/2023	West Hollow Red	Candlewood Red	BSB	H H HILLS WEST HS		16	Type A, Type C, Type D
734	Sat, 6/3/2023	Candlewood White	WEST HOLLOW WHITE	BSB	Half Hollow Hills East High School	cancelled	16	Type A, Type C, Type D
735	Fri, 6/9/2023	H H Hills West	Championships	BTR	TBA (CICERO, NY)	NYS Champion	625	ROUTE TOO LONG
736	Sat, 6/10/2023	H H Hills West	Championships	BTR	TBA (CICERO, NY)	NYS Champion	625	ROUTE TOO LONG
737	Sat, 6/10/2023	H H Hills East	Championships	GTR	TBA (CICERO, NY)	NYS Champion	625	ROUTE TOO LONG
738	Sun, 6/11/2023	H H Hills East	Championships	GTR	TBA (CICERO, NY)	NYS Champion	625	ROUTE TOO LONG
739	Fri, 8/25/2023	Half Hollow Hills	Practice	BXC	Sunken Meadow State Park		32	Type A, Type C, Type D
740	Mon, 8/28/2023	H H Hills East	East Islip	BSOC	East Islip Middle School (TURF FIELD)		32	Type A, Type C, Type D
741	Mon, 8/28/2023	H H Hills East	Elwood/J Glenn	GSOC	Elwood John Glenn High School		16	Type A, Type C, Type D
742	Mon, 8/28/2023	H H Hills West	H H Hills East	FGVB	H H HILLS EAST HS		16	Type A, Type C, Type D
743	Mon, 8/28/2023	H H Hills East	H H Hills West	FGVB	H H HILLS WEST HS		10	Type A, Type C, Type D
744	Mon, 8/28/2023	H H Hills West	Multi Team Scrimmage	BSOC	Sachem East High School		48	Type C, Type D
745	Mon, 8/28/2023	H H Hills East	William Floyd	GTEN	William Floyd High School		70	ROUTE TOO LONG
746	Tue, 8/29/2023	H H Hills West	Bayport-Blue Point	GSOC	Bayport Blue Point High School (TURF)		24	Type A, Type C, Type D
747	Tue, 8/29/2023	H H Hills West	East Islip	BSOC	East Islip High School (TURF FIELD)		32	Type A, Type C, Type D
748	Tue, 8/29/2023	H H Hills	West Islip	FBVB	West Islip High School (SMALL GYM)		20	Type A, Type C, Type D
749	Wed, 8/30/2023	H H Hills East	Huntington	BSOC	Huntington High School (TURF)		24	Type A, Type C, Type D
750	Wed, 8/30/2023	H H Hills East	Huntington	GSOC	Huntington High School (TURF)		24	Type A, Type C, Type D
751	Wed, 8/30/2023	H H Hills West	Sachem East	GSOC	Sachem East High School (TURF FIELD)		48	Type C, Type D
752	Thu, 8/31/2023	H H Hills East	Bellport	FGVB	Bellport High School		58	Type C
753	Thu, 8/31/2023	H H Hills East	Bellport	FGVB	Bellport High School		58	Type C
754	Thu, 8/31/2023	H H Hills West	Huntington	GTEN	Huntington High School		24	Type A, Type C, Type D
755	Thu, 8/31/2023	H H Hills East	Suffern	GTEN	Suffern High School		145	ROUTE TOO LONG
756	Thu, 8/31/2023	H H Hills West	Multi Team Scrimmage	FBGL	West Sayville Golf Course		44	Type A, Type C, Type D
757	Fri, 9/1/2023	H H Hills West	Connetquot	FGVB	Connetquot High School		30	Type A, Type C, Type D
758	Fri, 9/1/2023	H H Hills West	Connetquot	FGVB	Connetquot High School		30	Type A, Type C, Type D
759	Fri, 9/1/2023	H H Hills	East Islip	FBVB	East Islip Middle School		32	Type A, Type C, Type D
760	Fri, 9/1/2023	H H Hills	East Islip	FBVB	East Islip Middle School		32	Type A, Type C, Type D
761	Fri, 9/1/2023	H H Hills East	Farmingdale	FB	Farmingdale High School		22	Type A, Type C, Type D
762	Fri, 9/1/2023	H H Hills East	Bethlehem	GTEN	TBA (BETHLEHEM)	return approx 4-	270	ROUTE TOO LONG
763	Sat, 9/2/2023	H H Hills West	EH/Pier/BH/Ross	FB	East Hampton High School		136	ROUTE TOO LONG
764	Sat, 9/2/2023	H H Hills West	Miller Place	BSOC	Miller Place High School (UPPER TURF)		62	ROUTE TOO LONG
765	Tue, 9/5/2023	H H Hills West	H H Hills East	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
766	Tue, 9/5/2023	H H Hills	Eastport/S Manor	FBVB	Eastport South Manor High School		66	ROUTE TOO LONG
767	Tue, 9/5/2023	H H Hills	Eastport/S Manor	FBVB	Eastport South Manor High School		66	ROUTE TOO LONG
768	Tue, 9/5/2023	H H Hills West	Islip	BSOC	Islip High School		20	Type A, Type C, Type D
769	Tue, 9/5/2023	H H Hills East	Sayville	GTEN	Sayville High School		36	Type A, Type C, Type D
770	Tue, 9/5/2023	Half Hollow Hills	Practice	GDC	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
771	Tue, 9/5/2023	H H Hills West	Practice	FBGL	The Hamlet Golf and Country Club		20	Type A, Type C, Type D
772	Tue, 9/5/2023	H H Hills East	West Babylon	GSOC	West Babylon Junior High School		16	Type A, Type C, Type D
773	Wed, 9/6/2023	H H Hills East	Bayport-Blue Point	GTEN	Bayport Blue Point High School	cancelled	24	Type A, Type C, Type D
774	Wed, 9/6/2023	H H Hills East	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
775	Wed, 9/6/2023	H H Hills West	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
776	Wed, 9/6/2023	H H Hills West	Practice	FBGL	Heartland Golf Course		10	Type A, Type C, Type D
777	Thu, 9/7/2023	H H Hills West	Practice	FBGL	The Hamlet Golf and Country Club		20	Type A, Type C, Type D
778	Fri, 9/8/2023	H H Hills East	Brentwood	GSOC	Brentwood High School		20	Type A, Type C, Type D
779	Fri, 9/8/2023	H H Hills West	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
780	Fri, 9/8/2023	H H Hills East	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
781	Fri, 9/8/2023	H H Hills West	East Islip	FB	East Islip Middle School		32	Type A, Type C, Type D
782	Fri, 9/8/2023	H H Hills East	Practice	FBGL	Heartland Golf Course		10	Type A, Type C, Type D
783	Fri, 9/8/2023	H H Hills East	Islip	GTEN	Islip High School		20	Type A, Type C, Type D
784	Fri, 9/8/2023	H H Hills West	Kings Park	FGVB	Kings Park High School		28	Type A, Type C, Type D
785	Fri, 9/8/2023	H H Hills West	Kings Park	FGVB	Kings Park High School		28	Type A, Type C, Type D
786	Fri, 9/8/2023	H H Hills	North Babylon	FH	North Babylon High School		12	Type A, Type C, Type D
787	Fri, 9/8/2023	H H Hills	North Babylon	FH	North Babylon High School		12	Type A, Type C, Type D
788	Fri, 9/8/2023	H H Hills West	Rocky Point	GSOC	Rocky Point High School (UPPER TURF)		70	ROUTE TOO LONG
789	Fri, 9/8/2023	H H Hills East	STONY BROOK SCHOOL	BSOC	Stony Brook School		44	Type A, Type C, Type D
790	Sat, 9/9/2023	H H Hills West	Sayville	BSOC	160 Greeley Avenue (TURF FIELD)		42	Type A, Type C, Type D
791	Sat, 9/9/2023	H H Hills East	Lindenhurst	GSOC	Daniel Street Elementary School		14	Type A, Type C, Type D
792	Sat, 9/9/2023	H H Hills East	Tournament	FGVB	Eastport South Manor High School		66	ROUTE TOO LONG
793	Sat, 9/9/2023	H H Hills West	Tournament	FGVB	Eastport South Manor High School		66	ROUTE TOO LONG
794	Sat, 9/9/2023	H H Hills East	Newfield	FB	Newfield High School		48	Type C, Type D
795	Sat, 9/9/2023	H H Hills East	Syosset	GTEN	Syosset High School	Postponed	28	Type A, Type C, Type D
796	Mon, 9/11/2023	H H Hills West	Practice	FBGL	Cold Spring Golf Course		25	Type A, Type C, Type D
797	Mon, 9/11/2023	H H Hills East	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
798	Mon, 9/11/2023	H H Hills West	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
799	Mon, 9/11/2023	H H Hills East	Practice	FBGL	Heartland Golf Course		10	Type A, Type C, Type D
800	Mon, 9/11/2023	H H Hills	Shoreham WR	FBVB	Shoreham Wading River High School		74	ROUTE TOO LONG
801	Mon, 9/11/2023	H H Hills East	Smithtown East	BSOC	Smithtown East High School (GRASS FIELD)		34	Type A, Type C, Type D
802	Tue, 9/12/2023	H H Hills West	Elwood/J Glenn	FBGL	Crab Meadow Golf Course		25	Type A, Type C, Type D
803	Tue, 9/12/2023	H H Hills West	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
804	Tue, 9/12/2023	H H Hills West	Hauppauge	GSOC	Hauppauge High School		25	Type A, Type C, Type D
805	Tue, 9/12/2023	H H Hills West	Rocky Point	GTEN	Rocky Point High School		70	ROUTE TOO LONG
806	Tue, 9/12/2023	H H Hills	WF/EPT/LW/WH/BEL/SWR	FGGM	William Paca Middle School		70	ROUTE TOO LONG
807	Wed, 9/13/2023	H H Hills West	Amityville	FB	Amityville Memorial High School		20	Type A, Type C, Type D
808	Wed, 9/13/2023	H H Hills East	Practice	FBGL	Bethpage State Park Golf Course		26	Type A, Type C, Type D
809	Wed, 9/13/2023	H H Hills East	Newfield	BSOC	Selden Middle School (TURF)		50	Type C, Type D
810	Wed, 9/13/2023	H H Hills West	Kings Park	FBGL	Smithtown Landing Country Club		36	Type A, Type C, Type D
811	Wed, 9/13/2023	H H Hills East	Kings Park	FBGL	Smithtown Landing Country Club		36	Type A, Type C, Type D
812	Wed, 9/13/2023	H H Hills East	Walt Whitman	GSOC	Walt Whitman High School		25	Type A, Type C, Type D
813	Wed, 9/13/2023	H H Hills East	Westhampton	GTEN	Westhampton Beach High School		85	ROUTE TOO LONG
814	Thu, 9/14/2023	H H Hills West	Center Moriches	GTEN	Center Moriches High School (CMHS)		66	ROUTE TOO LONG
815	Thu, 9/14/2023	H H Hills East	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D

Athletics Schedule

#	DATE	SCHOOL	VS.	SPORT	DESTINATION		TOTAL MILES	BUS TYPE
816	Thu, 9/14/2023	H H Hills West	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
817	Thu, 9/14/2023	H H Hills West	Huntington	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
818	Thu, 9/14/2023	H H Hills East	West Islip	FGVB	West Islip High School (SMALL GYM)		20	Type A, Type C, Type D
819	Thu, 9/14/2023	H H Hills East	West Islip	FGVB	West Islip High School (SMALL GYM)		20	Type A, Type C, Type D
820	Thu, 9/14/2023	H H Hills West	Westhampton	FGVB	Westhampton Beach Middle School (MS GYM)		85	ROUTE TOO LONG
821	Thu, 9/14/2023	H H Hills West	Westhampton	FGVB	Westhampton Beach Middle School (MS GYM)		85	ROUTE TOO LONG
822	Thu, 9/14/2023	H H Hills West	Wyandanch	BSOC	Wyandanch Memorial High School		12	Type A, Type C, Type D
823	Fri, 9/15/2023	H H Hills East	Practice	FBGL	Bethpage State Park Golf Course		26	Type A, Type C, Type D
824	Fri, 9/15/2023	H H Hills East	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
825	Fri, 9/15/2023	H H Hills West	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
826	Fri, 9/15/2023	H H Hills West	H H Hills East	GTEN	H H HILLS EAST HS		16	Type A, Type C, Type D
827	Fri, 9/15/2023	H H Hills East	H H Hills West	GTEN	H H HILLS WEST HS		10	Type A, Type C, Type D
828	Fri, 9/15/2023	H H Hills	Hauppauge	FGGM	Half Hollow Hills East High School		10	Type A, Type C, Type D
829	Fri, 9/15/2023	H H Hills	Sachem East	FBVB	Sachem East High School		48	Type C, Type D
830	Fri, 9/15/2023	Half Hollow Hills	Invitational	BXC	Sunken Meadow State Park	Bob Pratt Invite	32	Type A, Type C, Type D
831	Mon, 9/18/2023	H H Hills East	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
832	Mon, 9/18/2023	H H Hills West	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
833	Mon, 9/18/2023	H H Hills West	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
834	Mon, 9/18/2023	H H Hills East	Practice	FBGL	Heartland Golf Course		10	Type A, Type C, Type D
835	Mon, 9/18/2023	H H Hills West	Practice	FBGL	Heartland Golf Course		10	Type A, Type C, Type D
836	Mon, 9/18/2023	H H Hills East	North Babylon	BSOC	North Babylon High School		12	Type A, Type C, Type D
837	Mon, 9/18/2023	H H Hills/Kings Park	Sachem North	GSW	Sachem North High School		40	Type A, Type C, Type D
838	Tue, 9/19/2023	H H Hills East	Bay Shore	GSOC	Bay Shore High School		15	Type A, Type C, Type D
839	Tue, 9/19/2023	H H Hills East	Commack HS	GTEN	Commack High School		20	Type A, Type C, Type D
840	Tue, 9/19/2023	Candlewood 8	Dawnwood 8	GSOC	Dawnwood Middle School		50	Type C, Type D
841	Tue, 9/19/2023	H H Hills West	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
842	Tue, 9/19/2023	H H Hills West	Harborfields	BSOC	Harborfields High School (TURF)		20	Type A, Type C, Type D
843	Tue, 9/19/2023	H H Hills East	North Babylon	FB	North Babylon High School		12	Type A, Type C, Type D
844	Tue, 9/19/2023	Half Hollow Hills	Smithtown	GXC	Sunken Meadow State Park	East - West	32	Type A, Type C, Type D
845	Tue, 9/19/2023	H H Hills East	Walt Whitman	FBGL	TOWN OF OYSTER BAY		26	Type A, Type C, Type D
846	Tue, 9/19/2023	H H Hills West	Walt Whitman	GTEN	Walt Whitman High School		25	Type A, Type C, Type D
847	Tue, 9/19/2023	H H Hills	Ward Melville	FBVB	Ward Melville High School		56	Type C, Type D
848	Tue, 9/19/2023	H H Hills	Ward Melville	FBVB	Ward Melville High School		56	Type C, Type D
849	Wed, 9/20/2023	H H Hills West	Huntington	FBGL	CRESCENT CLUB		45	Type A, Type C, Type D
850	Wed, 9/20/2023	Candlewood 7	Dawnwood 7	BSOC	Dawnwood Middle School		50	Type C, Type D
851	Wed, 9/20/2023	H H Hills West	H H Hills East	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
852	Wed, 9/20/2023	H H Hills East	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
853	Wed, 9/20/2023	H H Hills West	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
854	Wed, 9/20/2023	H H Hills West	Elwood/J Glenn	GTEN	Elwood John Glenn High School		16	Type A, Type C, Type D
855	Wed, 9/20/2023	West Hollow	Finley	BXC	Finley Middle School		22	Type A, Type C, Type D
856	Wed, 9/20/2023	West Hollow	Finley	GXC	Finley Middle School		22	Type A, Type C, Type D
857	Wed, 9/20/2023	West Hollow 8	Great Hollow 8	BSOC	Great Hollow Middle School		36	Type A, Type C, Type D
858	Wed, 9/20/2023	H H Hills East	Practice	FBGL	Heartland Golf Course		10	Type A, Type C, Type D
859	Wed, 9/20/2023	H H Hills West	Islip	FGVB	Islip High School	Rescheduled Da	20	Type A, Type C, Type D
860	Wed, 9/20/2023	H H Hills West	Islip	FGVB	Islip High School	rescheduled dat	20	Type A, Type C, Type D
861	Wed, 9/20/2023	Candlewood	Commack MS	FH	Mandracchia Sawmill Intermediate School		16	Type A, Type C, Type D
862	Wed, 9/20/2023	H H Hills East	Our Savior New Amer	FGVB	Our Savior New American School		46	Type C, Type D
863	Wed, 9/20/2023	H H Hills East	Northport	BSOC	Pulaski Road School		20	Type A, Type C, Type D
864	Wed, 9/20/2023	H H Hills	Newfield	FH	Selden Middle School (TURF)		50	Type C, Type D
865	Wed, 9/20/2023	H H Hills	Newfield	FH	Selden Middle School (TURF)		50	Type C, Type D
866	Wed, 9/20/2023	H H Hills East	Walt Whitman	FGVB	Walt Whitman High School (NORTH GYM)		25	Type A, Type C, Type D
867	Wed, 9/20/2023	H H Hills East	Ward Melville	GTEN	Ward Melville High School		56	Type C, Type D
868	Wed, 9/20/2023	H H Hills West	Westhampton	GSOC	Westhampton Beach Elementary School (HITE FIELD)		85	ROUTE TOO LONG
869	Thu, 9/21/2023	H H Hills West	Amityville	BSOC	Amityville Memorial High School		20	Type A, Type C, Type D
870	Thu, 9/21/2023	H H Hills	Commack HS	FGGM	Commack High School		20	Type A, Type C, Type D
871	Thu, 9/21/2023	H H Hills West	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
872	Thu, 9/21/2023	H H Hills West	Deer Park	FBGL	Heartland Golf Course		10	Type A, Type C, Type D
873	Thu, 9/21/2023	H H Hills East	Northport	GTEN	Northport High School		20	Type A, Type C, Type D
874	Thu, 9/21/2023	H H Hills West	Smithtown East	GTEN	Smithtown East High School		34	Type A, Type C, Type D
875	Thu, 9/21/2023	H H Hills East	Smithtown East	FGVB	Smithtown East High School (OLD GYM)		34	Type A, Type C, Type D
876	Thu, 9/21/2023	H H Hills East	Smithtown East	FGVB	Smithtown East High School (OLD GYM)		34	Type A, Type C, Type D
877	Thu, 9/21/2023	H H Hills East	Northport	FBGL	Sunken Meadow State Park		32	Type A, Type C, Type D
878	Thu, 9/21/2023	H H Hills West	Practice	FBGL	The Hamlet Golf and Country Club		20	Type A, Type C, Type D
879	Fri, 9/22/2023	H H Hills East	Practice	FBGL	Bethpage State Park Golf Course		26	Type A, Type C, Type D
880	Fri, 9/22/2023	H H Hills East	Centereach	FB	Centereach High School		44	Type A, Type C, Type D
881	Fri, 9/22/2023	H H Hills East	Connetquot	GSOC	Connetquot High School		30	Type A, Type C, Type D
882	Fri, 9/22/2023	H H Hills East	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
883	Fri, 9/22/2023	H H Hills West	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
884	Fri, 9/22/2023	H H Hills West	Harborfields	FGVB	Harborfields High School		20	Type A, Type C, Type D
885	Fri, 9/22/2023	West Hollow 8	Longwood 8	GSOC	Longwood Junior High School		56	Type C, Type D
886	Fri, 9/22/2023	H H Hills East	Newfield	FGVB	Newfield High School		48	Type C, Type D
887	Fri, 9/22/2023	H H Hills East	Newfield	FGVB	Newfield High School		48	Type C, Type D
888	Fri, 9/22/2023	H H Hills East	Copiague	BSOC	Tanner Park		24	Type A, Type C, Type D
889	Sat, 9/23/2023	H H Hills West	Sayville	FB	160 Greeley Avenue (TURF FIELD)		42	Type A, Type C, Type D
890	Sat, 9/23/2023	Half Hollow Hills	Suffolk Coaches	BXC	Sunken Meadow State Park	Suffolk Coaches	32	Type A, Type C, Type D
891	Tue, 9/26/2023	H H Hills West	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
892	Tue, 9/26/2023	H H Hills West	Miller Place	BSOC	Miller Place High School (UPPER TURF)		62	ROUTE TOO LONG
893	Tue, 9/26/2023	H H Hills East	Patchogue-Medford	GSOC	Patchogue Medford High School	Senior Night	48	Type C, Type D
894	Tue, 9/26/2023	Half Hollow Hills	Wm Floyd	BXC	Southaven County Park		76	ROUTE TOO LONG
895	Tue, 9/26/2023	H H Hills East	West Babylon	FGVB	West Babylon Senior High School		16	Type A, Type C, Type D
896	Tue, 9/26/2023	H H Hills East	West Babylon	FGVB	West Babylon Senior High School		16	Type A, Type C, Type D
897	Tue, 9/26/2023	Candlewood 8	West Hollow 8	GSOC	West Hollow Middle School		20	Type A, Type C, Type D
898	Wed, 9/27/2023	H H Hills East	Bay Shore	BSOC	Bay Shore High School		15	Type A, Type C, Type D
899	Wed, 9/27/2023	H H Hills East	Practice	FBGL	Bethpage State Park Golf Course		26	Type A, Type C, Type D
900	Wed, 9/27/2023	Candlewood 8	Lindenhurst 8	BSOC	Lindenhurst Middle School		16	Type A, Type C, Type D
901	Wed, 9/27/2023	West Hollow 7	Longwood 7	BSOC	Longwood Junior High School		56	Type C, Type D
902	Wed, 9/27/2023	West Hollow	Stimson	BXC	Stimson Middle School		22	Type A, Type C, Type D
903	Wed, 9/27/2023	West Hollow	Stimson	GXC	Stimson Middle School		22	Type A, Type C, Type D
904	Wed, 9/27/2023	H H Hills East	Walt Whitman	GTEN	Walt Whitman High School		25	Type A, Type C, Type D
905	Thu, 9/28/2023	H H Hills East	H H Hills West	FBGL	Cold Spring Golf Course		25	Type A, Type C, Type D
906	Thu, 9/28/2023	H H Hills	Copiague	FH	Copiague High School		16	Type A, Type C, Type D
907	Thu, 9/28/2023	H H Hills West	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
908	Thu, 9/28/2023	H H Hills West	Eastport/S Manor	GSOC	Eastport South Manor High School		66	ROUTE TOO LONG
909	Thu, 9/28/2023	H H Hills West	Islip	BSOC	Islip High School		20	Type A, Type C, Type D
910	Thu, 9/28/2023	Candlewood	Oldfield	FB	Oldfield Middle School		24	Type A, Type C, Type D
911	Thu, 9/28/2023	H H Hills East	Smithtown East	FBGL	Smithtown Landing Country Club		36	Type A, Type C, Type D
912	Thu, 9/28/2023	H H Hills East	Smithtown West	FBGL	Smithtown Landing Country Club		36	Type A, Type C, Type D
913	Thu, 9/28/2023	H H Hills West	Smithtown West	GTEN	Smithtown West High School		30	Type A, Type C, Type D
914	Thu, 9/28/2023	H H Hills West	Huntington	FBGL	Sunken Meadow State Park		32	Type A, Type C, Type D
915	Thu, 9/28/2023	H H Hills East	Copiague	GSOC	Tanner Park		24	Type A, Type C, Type D
916	Thu, 9/28/2023	H H Hills East	H H Hills West	FBGL	The Hamlet Golf and Country Club		20	Type A, Type C, Type D
917	Fri, 9/29/2023	H H Hills East	Practice	FBGL	Bethpage State Park Golf Course		26	Type A, Type C, Type D
918	Fri, 9/29/2023	H H Hills East	Commack HS	BSOC	Commack High School		20	Type A, Type C, Type D
919	Fri, 9/29/2023	H H Hills East	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
920	Fri, 9/29/2023	H H Hills West	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
921	Fri, 9/29/2023	H H Hills West	Harborfields	FGVB	Harborfields High School		20	Type A, Type C, Type D
922	Fri, 9/29/2023	Half Hollow Hills	St Anthonys	BXC	St. Anthony's High School	St. Anthony Invi	16	Type A, Type C, Type D
923	Fri, 9/29/2023	H H Hills East	Practice	FBGL	The Hamlet Golf and Country Club		20	Type A, Type C, Type D
924	Sat, 9/30/2023	H H Hills East	Bellport	FB	Bellport High School		58	Type C
925	Sat, 9/30/2023	H H Hills West	Centereach	GSOC	Dawnwood Middle School (TURF)		50	Type C, Type D
926	Sat, 9/30/2023	H H Hills West	Eastport/S Manor	FB	Eastport South Manor High School		66	ROUTE TOO LONG
927	Sat, 9/30/2023	Half Hollow Hills	Invitational	BXC	Firemens Field in Brookhaven	PAL Meet	40	Type A, Type C, Type D
928	Sat, 9/30/2023	H H Hills	Tournament	FBVB	Sachem North High School		40	Type A, Type C, Type D
929	Mon, 10/2/2023	H H Hills East	Practice	FBGL	Bethpage State Park Golf Course		26	Type A, Type C, Type D
930	Mon, 10/2/2023	H H Hills West	Practice	FBGL	Bethpage State Park Golf Course		26	Type A, Type C, Type D
931	Mon, 10/2/2023	West Hollow 8	Candlewood 8	BSOC	Candlewood Middle School		11	Type A, Type C, Type D
932	Mon, 10/2/2023	H H Hills East	Centereach	FGVB	Centereach High School		44	Type A, Type C, Type D

Athletics Schedule

#	DATE	SCHOOL	VS.	SPORT	DESTINATION		TOTAL MILES	BUS TYPE
933	Mon, 10/2/2023	H H Hills East	Centereach	FGVB	Centereach High School		44	Type A, Type C, Type D
934	Mon, 10/2/2023	H H Hills West	Comsewogue	GSOC	Comsewogue High School (TURF)		54	Type C, Type D
935	Mon, 10/2/2023	H H Hills East	Connetquot	BSOC	Connetquot High School		30	Type A, Type C, Type D
936	Mon, 10/2/2023	H H Hills West	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
937	Mon, 10/2/2023	West Hollow 7	Great Hollow 7	GSOC	Great Hollow Middle School		36	Type A, Type C, Type D
938	Mon, 10/2/2023	H H Hills West	Lindenhurst	GTEN	Lindenhurst High School		16	Type A, Type C, Type D
939	Mon, 10/2/2023	West Hollow	Northport MS	FB	Northport MIddle School		24	Type A, Type C, Type D
940	Mon, 10/2/2023	H H Hills East	Smithtown East	GTEN	Smithtown East High School		34	Type A, Type C, Type D
941	Mon, 10/2/2023	H H Hills East	Smithtown East	GSOC	Smithtown East High School (TURF FIELD)		34	Type A, Type C, Type D
942	Mon, 10/2/2023	H H Hills East	Huntington	FBGL	Sunken Meadow State Park	9/18 postponed	32	Type A, Type C, Type D
943	Mon, 10/2/2023	Candlewood 7	West Hollow 7	BSOC	West Hollow Middle School		20	Type A, Type C, Type D
944	Tue, 10/3/2023	H H Hills West	Sayville	BSOC	160 Greeley Avenue (TURF FIELD)		42	Type A, Type C, Type D
945	Tue, 10/3/2023	H H Hills East	Huntington	FBGL	CRESCENT CLUB		45	Type A, Type C, Type D
946	Tue, 10/3/2023	H H Hills East	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
947	Tue, 10/3/2023	H H Hills West	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
948	Tue, 10/3/2023	H H Hills East	Harborfields	GTEN	Harborfields High School		20	Type A, Type C, Type D
949	Tue, 10/3/2023	H H Hills West	Hauppauge	GTEN	Hauppauge High School		25	Type A, Type C, Type D
950	Tue, 10/3/2023	H H Hills East	Huntington	GTEN	Huntington High School		24	Type A, Type C, Type D
951	Tue, 10/3/2023	H H Hills	Lindenhurst	FH	Lindenhurst Middle School		16	Type A, Type C, Type D
952	Tue, 10/3/2023	H H Hills	Lindenhurst	FH	Lindenhurst Middle School		16	Type A, Type C, Type D
953	Tue, 10/3/2023	H H Hills	Northport	FBVB	Northport High School		20	Type A, Type C, Type D
954	Tue, 10/3/2023	H H Hills	Northport	FBVB	Northport High School		20	Type A, Type C, Type D
955	Tue, 10/3/2023	H H Hills	Smithtown	FGGM	Smithtown East High School		34	Type A, Type C, Type D
956	Tue, 10/3/2023	H H Hills West	Practice	FBGL	The Hamlet Golf and Country Club		20	Type A, Type C, Type D
957	Tue, 10/3/2023	Half Hollow Hills	Cheer Competition	GDC	West Babylon Senior High School		16	Type A, Type C, Type D
958	Wed, 10/4/2023	H H Hills West	Bay Shore	FGVB	Bay Shore High School (BSHS GYM)		15	Type A, Type C, Type D
959	Wed, 10/4/2023	H H Hills East	Practice	FBGL	Bethpage State Park Golf Course		26	Type A, Type C, Type D
960	Wed, 10/4/2023	H H Hills East	H H Hills West	FBGL	Dix Hills Park Golf Course	Tri Meet with Ha	12	Type A, Type C, Type D
961	Wed, 10/4/2023	Candlewood	East Northport	FH	East Northport Middle School		20	Type A, Type C, Type D
962	Wed, 10/4/2023	H H Hills East	Lindenhurst	BSOC	Lindenhurst Middle School		16	Type A, Type C, Type D
963	Wed, 10/4/2023	H H Hills West	Northport	GTEN	Northport High School		20	Type A, Type C, Type D
964	Wed, 10/4/2023	H H Hills East	Riverhead	GSOC	Pulaski Sports Complex		20	Type A, Type C, Type D
965	Wed, 10/4/2023	West Hollow 8	Stimson 8	GSOC	Stimson Middle School		22	Type A, Type C, Type D
966	Wed, 10/4/2023	H H Hills West	Practice	FBGL	The Hamlet Golf and Country Club		20	Type A, Type C, Type D
967	Thu, 10/5/2023	H H Hills West	Walt Whitman	FBGL	Cold Spring Golf Course (COLD SPRING CC)	Rescheduled	25	Type A, Type C, Type D
968	Thu, 10/5/2023	H H Hills East	Elwood/J Glenn	FBGL	Crab Meadow Golf Course		25	Type A, Type C, Type D
969	Thu, 10/5/2023	Candlewood	Practice	BXC	Dix Hills Park Golf Course		12	Type A, Type C, Type D
970	Thu, 10/5/2023	H H Hills East	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
971	Thu, 10/5/2023	H H Hills West	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
972	Thu, 10/5/2023	Candlewood 8	Great Hollow 8	BSOC	Great Hollow Middle School		36	Type A, Type C, Type D
973	Thu, 10/5/2023	H H Hills/Kings Park	Hauppauge/Smithtown	GSW	Hauppauge High School		25	Type A, Type C, Type D
974	Thu, 10/5/2023	H H Hills West	Practice	FBGL	Heartland Golf Course		10	Type A, Type C, Type D
975	Thu, 10/5/2023	H H Hills West	Kings Park	BSOC	Kings Park High School		28	Type A, Type C, Type D
976	Thu, 10/5/2023	H H Hills West	Kings Park	BSOC	Kings Park High School		28	Type A, Type C, Type D
977	Thu, 10/5/2023	H H Hills West	West Babylon	GSOC	West Babylon Senior High School (GRASS)		16	Type A, Type C, Type D
978	Thu, 10/5/2023	H H Hills	West Islip	FH	West Islip High School (STADIUM TURF)		20	Type A, Type C, Type D
979	Thu, 10/5/2023	H H Hills	West Islip	FH	West Islip High School (STADIUM TURF)		20	Type A, Type C, Type D
980	Fri, 10/6/2023	H H Hills West	Amityville	FGVB	Amityville Memorial High School		20	Type A, Type C, Type D
981	Fri, 10/6/2023	H H Hills West	Amityville	FGVB	Amityville Memorial High School		20	Type A, Type C, Type D
982	Fri, 10/6/2023	H H Hills East	Practice	FBGL	Bethpage State Park Golf Course		26	Type A, Type C, Type D
983	Fri, 10/6/2023	H H Hills West	Commack HS	FBGL	Crab Meadow Golf Course		25	Type A, Type C, Type D
984	Fri, 10/6/2023	H H Hills East	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
985	Fri, 10/6/2023	H H Hills West	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
986	Fri, 10/6/2023	West Hollow	East Northport	FB	East Northport Middle School		20	Type A, Type C, Type D
987	Fri, 10/6/2023	H H Hills West	Miller Place	BSOC	Miller Place High School (UPPER TURF)		62	ROUTE TOO LONG
988	Fri, 10/6/2023	H H Hills East	North Babylon	FGVB	North Babylon High School		12	Type A, Type C, Type D
989	Fri, 10/6/2023	H H Hills East	North Babylon	FGVB	North Babylon High School		12	Type A, Type C, Type D
990	Fri, 10/6/2023	H H Hills East	North Babylon	GSOC	North Babylon High School		12	Type A, Type C, Type D
991	Fri, 10/6/2023	West Hollow 7	Stimson 7	BSOC	Stimson Middle School		22	Type A, Type C, Type D
992	Sat, 10/7/2023	H H Hills East	Deer Park	FB	Deer Park High School		6	Type A, Type C, Type D
993	Sat, 10/7/2023	H H Hills East	Elwood/J Glenn	BSOC	Elwood John Glenn High School		16	Type A, Type C, Type D
994	Sat, 10/7/2023	H H Hills West	Tournament	FGVB	Harborfields High School		20	Type A, Type C, Type D
995	Sat, 10/7/2023	H H Hills West	Kings Park	FB	Kings Park High School		28	Type A, Type C, Type D
996	Sat, 10/7/2023	H H Hills	Tournament	FBVB	Smithtown West High School		30	Type A, Type C, Type D
997	Sat, 10/7/2023	H H Hills East	Suffolk Officials	BXC	Sunken Meadow State Park	Suffolk Officials	32	Type A, Type C, Type D
998	Sat, 10/7/2023	Half Hollow Hills	Suffolk Officials	BXC	Sunken Meadow State Park		32	Type A, Type C, Type D
999	Sat, 10/7/2023	Half Hollow Hills	Suffolk Officials	GXC	Sunken Meadow State Park		32	Type A, Type C, Type D
1000	Mon, 10/9/2023	H H Hills East	Smithtown East	BSOC	Smithtown East High School (TURF FIELD)		34	Type A, Type C, Type D
1001	Tue, 10/10/2023	H H Hills West	H H Hills East	FBGL	Bethpage State Park Golf Course		26	Type A, Type C, Type D
1002	Tue, 10/10/2023	H H Hills West	East Islip	GSOC	East Islip High School		32	Type A, Type C, Type D
1003	Tue, 10/10/2023	West Hollow 8	Practice	BSOC	H H HILLS EAST HS		16	Type A, Type C, Type D
1004	Tue, 10/10/2023	West Hollow 7	Practice	BSOC	H H HILLS EAST HS		16	Type A, Type C, Type D
1005	Tue, 10/10/2023	Half Hollow Hills	Central Islip	BXC	Half Hollow Hills East High School		10	Type A, Type C, Type D
1006	Tue, 10/10/2023	Candlewood 8	Longwood 8	GSOC	Longwood Junior High School		56	Type C, Type D
1007	Tue, 10/10/2023	H H Hills	Sachem East	FH	Sachem East High School (TURF FIELD)	Senior Night	48	Type C, Type D
1008	Tue, 10/10/2023	H H Hills	Sachem East	FH	Sachem East High School (TURF FIELD)	Senior Night	48	Type C, Type D
1009	Tue, 10/10/2023	Candlewood	Stimson	BXC	Stimson Middle School		22	Type A, Type C, Type D
1010	Tue, 10/10/2023	Candlewood	Stimson	GXC	Stimson Middle School		22	Type A, Type C, Type D
1011	Tue, 10/10/2023	H H Hills West	Hauppauge	FBGL	Wind Watch Golf and County Club		28	Type A, Type C, Type D
1012	Tue, 10/10/2023	H H Hills East	Hauppauge	FBGL	Wind Watch Golf and County Club		28	Type A, Type C, Type D
1013	Tue, 10/10/2023	H H Hills West	Wyandanch	BSOC	Wyandanch Memorial High School		12	Type A, Type C, Type D
1014	Wed, 10/11/2023	West Hollow 8	Dawnwood 8	BSOC	Dawnwood Middle School		50	Type C, Type D
1015	Wed, 10/11/2023	West Hollow 7	Practice	GSOC	H H HILLS EAST HS		16	Type A, Type C, Type D
1016	Wed, 10/11/2023	H H Hills West	Harborfields	BSOC	Harborfields High School (GRASS)		20	Type A, Type C, Type D
1017	Wed, 10/11/2023	H H Hills East	Huntington	FGVB	Huntington High School		24	Type A, Type C, Type D
1018	Wed, 10/11/2023	H H Hills East	Huntington	FGVB	Huntington High School		24	Type A, Type C, Type D
1019	Wed, 10/11/2023	Candlewood 7	Longwood 7	BSOC	Longwood Junior High School		56	Type C, Type D
1020	Wed, 10/11/2023	H H Hills East	Newfield	BSOC	Newfield High School (GRASS)		48	Type C, Type D
1021	Wed, 10/11/2023	H H Hills West	West Islip	GSOC	West Islip High School (LIBRARY FIELD, GRASS)		20	Type A, Type C, Type D
1022	Wed, 10/11/2023	H H Hills East	William Floyd	GSOC	William Floyd High School (WOODHULL TURF FIELD)		70	ROUTE TOO LONG
1023	Thu, 10/12/2023	Half Hollow Hills	Cheer Competition	GDC	Riverhead High School		84	ROUTE TOO LONG
1024	Thu, 10/12/2023	Candlewood	Practice	BXC	Sunken Meadow State Park		32	Type A, Type C, Type D
1025	Thu, 10/12/2023	H H Hills West	Practice	FBGL	The Hamlet Golf and Country Club		20	Type A, Type C, Type D
1026	Thu, 10/12/2023	H H Hills	Kings Park	FGGM	William T. Rogers Middle School		32	Type A, Type C, Type D
1027	Fri, 10/13/2023	H H Hills East	Central Islip	GSOC	Central Islip High School (TURF FIELD)		24	Type A, Type C, Type D
1028	Fri, 10/13/2023	H H Hills East	Commack HS	FBGL	Crab Meadow Golf Course		25	Type A, Type C, Type D
1029	Fri, 10/13/2023	H H Hills West	Deer Park	GSOC	Deer Park High School		6	Type A, Type C, Type D
1030	Fri, 10/13/2023	H H Hills East	North Babylon	BSOC	North Babylon High School		12	Type A, Type C, Type D
1031	Fri, 10/13/2023	West Hollow	Northport MS	BXC	Northport MIddle School		24	Type A, Type C, Type D
1032	Fri, 10/13/2023	West Hollow	Northport MS	GXC	Northport MIddle School		24	Type A, Type C, Type D
1033	Fri, 10/13/2023	Candlewood	Oldfield	FH	Oldfield Middle School		24	Type A, Type C, Type D
1034	Fri, 10/13/2023	Candlewood 8	Oldfield 8	GSOC	Oldfield Middle School		24	Type A, Type C, Type D
1035	Fri, 10/13/2023	H H Hills West	Sayville	FGVB	Sayville High School		36	Type A, Type C, Type D
1036	Fri, 10/13/2023	H H Hills West	Sayville	FGVB	Sayville High School		36	Type A, Type C, Type D
1037	Fri, 10/13/2023	Half Hollow Hills	Suffolk Coaches	GXC	Sunken Meadow State Park		32	Type A, Type C, Type D
1038	Fri, 10/13/2023	H H Hills East	West Islip	FB	West Islip High School (STADIUM TURF)		20	Type A, Type C, Type D
1039	Sat, 10/14/2023	H H Hills West	Tournament	FGVB	Harborfields High School		20	Type A, Type C, Type D
1040	Sat, 10/14/2023	Half Hollow Hills	Manhattan	BXC	TBA (MANHATTAN COLLEGE)	Manhattan Colle	85	ROUTE TOO LONG
1041	Mon, 10/16/2023	H H Hills West	Amityville	BSOC	Amityville Memorial High School		20	Type A, Type C, Type D
1042	Mon, 10/16/2023	West Hollow 7	Lindenhurst 7	BSOC	Lindenhurst Middle School		16	Type A, Type C, Type D
1043	Mon, 10/16/2023	Candlewood 7	Oldfield 7	BSOC	Oldfield Middle School		24	Type A, Type C, Type D
1044	Mon, 10/16/2023	H H Hills East	Newfield	GSOC	Selden Middle School (TURF)		50	Type C, Type D
1045	Mon, 10/16/2023	H H Hills West	Smithtown West	GTEN	Smithtown West High School		30	Type A, Type C, Type D
1046	Mon, 10/16/2023	H H Hills West	Smithtown West	GSOC	Smithtown West High School (TURF FIELD)		30	Type A, Type C, Type D
1047	Tue, 10/17/2023	H H Hills	Bay Shore	FBVB	Bay Shore High School		15	Type A, Type C, Type D
1048	Tue, 10/17/2023	H H Hills	Bay Shore	FBVB	Bay Shore High School		15	Type A, Type C, Type D
1049	Tue, 10/17/2023	Half Hollow Hills	Longwood	BXC	Half Hollow Hills East High School		10	Type A, Type C, Type D

Athletics Schedule

#	DATE	SCHOOL	VS.	SPORT	DESTINATION		TOTAL MILES	BUS TYPE
1050	Tue, 10/17/2023	West Hollow 8	Lindenhurst 8	GSOC	Lindenhurst Middle School		16	Type A, Type C, Type D
1051	Tue, 10/17/2023	H H Hills East	Northport	BSOC	Northport High School		20	Type A, Type C, Type D
1052	Tue, 10/17/2023	Half Hollow Hills	Cheer Competition	GDC	Smithtown West High School		30	Type A, Type C, Type D
1053	Tue, 10/17/2023	H H Hills West	Playoffs	FBGL	Spring Lake Golf Club		60	Type C
1054	Tue, 10/17/2023	Half Hollow Hills	Middle Country	GXC	Sunken Meadow State Park		32	Type A, Type C, Type D
1055	Wed, 10/18/2023	Candlewood	Finley	FB	Huntington High School (STADIUM TURF)	CHANGE OF S	24	Type A, Type C, Type D
1056	Wed, 10/18/2023	West Hollow 7	Oldfield 7	GSOC	Oldfield Middle School		24	Type A, Type C, Type D
1057	Wed, 10/18/2023	H H Hills East	Ward Melville	GSOC	Ward Melville High School		56	Type C, Type D
1058	Wed, 10/18/2023	H H Hills West	Wyandanch	FGVB	Wyandanch Memorial High School		12	Type A, Type C, Type D
1059	Thu, 10/19/2023	H H Hills/Kings Park	William Floyd	GSW	BROOKHAVEN AQUATIC CENTER	Senior Game	50	Type C, Type D
1060	Thu, 10/19/2023	Half Hollow Hills	Tom Knipfing Invit.	GXC	Firemens Field in Brookhaven		45	Type A, Type C, Type D
1061	Thu, 10/19/2023	West Hollow 8	Oldfield 8	BSOC	Oldfield Middle School		24	Type A, Type C, Type D
1062	Thu, 10/19/2023	H H Hills West	Smithtown East	FGVB	Smithtown East High School		34	Type A, Type C, Type D
1063	Thu, 10/19/2023	Candlewood 8	Stimson 8	BSOC	Stimson Middle School		22	Type A, Type C, Type D
1064	Thu, 10/19/2023	Candlewood	Invitational	BXC	Sunken Meadow State Park		32	Type A, Type C, Type D
1065	Thu, 10/19/2023	West Hollow	Invitational	BXC	Sunken Meadow State Park		32	Type A, Type C, Type D
1066	Thu, 10/19/2023	Candlewood	Invitational	GXC	Sunken Meadow State Park		32	Type A, Type C, Type D
1067	Thu, 10/19/2023	West Hollow	Invitational	GXC	Sunken Meadow State Park		32	Type A, Type C, Type D
1068	Fri, 10/20/2023	H H Hills West	Commack HS	FGVB	Commack High School		20	Type A, Type C, Type D
1069	Fri, 10/20/2023	West Hollow 8	Great Hollow 8	GSOC	Great Hollow Middle School		36	Type A, Type C, Type D
1070	Fri, 10/20/2023	H H Hills	Sachem East	FBVB	Sachem East High School		48	Type C, Type D
1071	Fri, 10/20/2023	H H Hills West	Smithtown West	FB	Smithtown West High School		30	Type A, Type C, Type D
1072	Sat, 10/21/2023	H H Hills East	Huntington	FB	Huntington High School		24	Type A, Type C, Type D
1073	Mon, 10/23/2023	H H Hills West	Eastport/S Manor	GSOC	Eastport South Manor High School	Playoffs	66	ROUTE TOO LONG
1074	Mon, 10/23/2023	H H Hills West	Playoffs	FBGL	Spring Lake Golf Club		60	Type C
1075	Tue, 10/24/2023	Candlewood 8	Dawnwood 8	BSOC	Dawnwood Middle School		50	Type C, Type D
1076	Tue, 10/24/2023	West Hollow 7	Great Hollow 7	BSOC	Great Hollow Middle School		36	Type A, Type C, Type D
1077	Tue, 10/24/2023	West Hollow 8	Great Hollow 8	GSOC	Great Hollow Middle School		36	Type A, Type C, Type D
1078	Tue, 10/24/2023	H H Hills/Kings Park	Diving Championships	GSW	Hauppauge High School		25	Type A, Type C, Type D
1079	Tue, 10/24/2023	Half Hollow Hills	Division	BXC	Sunken Meadow State Park		32	Type A, Type C, Type D
1080	Tue, 10/24/2023	Half Hollow Hills	Division	GXC	Sunken Meadow State Park		32	Type A, Type C, Type D
1081	Wed, 10/25/2023	H H Hills West	Harborfields	BSOC	Harborfields High School		20	Type A, Type C, Type D
1082	Wed, 10/25/2023	H H Hills/Kings Park	Playoffs	GSW	Hauppauge High School		25	Type A, Type C, Type D
1083	Wed, 10/25/2023	Half Hollow Hills	Cheer Competition	GDC	Newfield High School		48	Type C, Type D
1084	Wed, 10/25/2023	Candlewood 8	Oldfield 8	BSOC	Oldfield Middle School	Rescheduled	24	Type A, Type C, Type D
1085	Thu, 10/26/2023	Candlewood 8	Lindenhurst 8	GSOC	Lindenhurst Middle School (TURF FIELD)		16	Type A, Type C, Type D
1086	Thu, 10/26/2023	Candlewood	Northport MS	FH	Northport MIddle School		24	Type A, Type C, Type D
1087	Thu, 10/26/2023	West Hollow	Oldfield	FB	Oldfield Middle School		24	Type A, Type C, Type D
1088	Thu, 10/26/2023	H H Hills West	West Islip	GSOC	West Islip High School	Playoffs	20	Type A, Type C, Type D
1089	Fri, 10/27/2023	Candlewood	Finley	BXC	Finley Middle School		22	Type A, Type C, Type D
1090	Fri, 10/27/2023	Candlewood	Finley	GXC	Finley Middle School		22	Type A, Type C, Type D
1091	Fri, 10/27/2023	Candlewood 7	Lindenhurst 7	BSOC	Lindenhurst Middle School		16	Type A, Type C, Type D
1092	Fri, 10/27/2023	West Hollow 8	Longwood 8	BSOC	Longwood Junior High School		56	Type C, Type D
1093	Fri, 10/27/2023	West Hollow 7	Longwood 7	GSOC	Longwood Junior High School		56	Type C, Type D
1094	Fri, 10/27/2023	Half Hollow Hills	Frosh/Soph Meet	BXC	Sunken Meadow State Park		32	Type A, Type C, Type D
1095	Fri, 10/27/2023	H H Hills West	Westhampton	FB	Westhampton Beach High School (TURF)		85	ROUTE TOO LONG
1096	Sat, 10/28/2023	H H Hills East	Northport	FB	Northport High School		20	Type A, Type C, Type D
1097	Mon, 10/30/2023	West Hollow 7	Candlewood 7	BSOC	Candlewood Middle School		11	Type A, Type C, Type D
1098	Mon, 10/30/2023	West Hollow 8	Candlewood 8	GSOC	Candlewood Middle School		11	Type A, Type C, Type D
1099	Mon, 10/30/2023	Candlewood 8	West Hollow 8	BSOC	H H HILLS EAST HS		16	Type A, Type C, Type D
1100	Mon, 10/30/2023	Candlewood	West Hollow	BXC	H H HILLS EAST HS		16	Type A, Type C, Type D
1101	Mon, 10/30/2023	Candlewood	West Hollow	GXC	H H HILLS EAST HS		16	Type A, Type C, Type D
1102	Mon, 10/30/2023	Candlewood	West Hollow	FB	H H HILLS WEST HS		16	Type A, Type C, Type D
1103	Mon, 10/30/2023	H H Hills West	Islip	FBGL				Type A, Type C, Type D
1104	Tue, 10/31/2023	H H Hills West	Smithtown West	GSOC	East Islip Middle School (EAST ISLIP MS)	Playoffs	32	Type A, Type C, Type D
1105	Tue, 10/31/2023	H H Hills East	Northport	FBGL				Type A, Type C, Type D
1106	Fri, 11/3/2023	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
1107	Fri, 11/3/2023	Half Hollow Hills	State Qual Meet	BXC	Sunken Meadow State Park		32	Type A, Type C, Type D
1108	Fri, 11/3/2023	Half Hollow Hills	Championships	GXC	Sunken Meadow State Park		32	Type A, Type C, Type D
1109	Fri, 11/10/2023	H H Hills East	West Islip	FB	West Islip High School		20	Type A, Type C, Type D
1110	Sat, 11/11/2023	H H Hills West	Sayville	FB	Sayville High School (GRASS FIELD)		36	Type A, Type C, Type D
1111	Sat, 11/11/2023	Half Hollow Hills	Championships	BXC	TBA (VERNON-VERONA)		180	ROUTE TOO LONG
1112	Mon, 11/13/2023	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
1113	Tue, 11/14/2023	Half Hollow Hills	Practice	BBWL	Bolmor 110		15	Type A, Type C, Type D
1114	Wed, 11/15/2023	Half Hollow Hills	Practice	BBWL	Bolmor 110		15	Type A, Type C, Type D
1115	Thu, 11/16/2023	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
1116	Fri, 11/17/2023	West Hollow 7	Stimson 7	BBKB	Stimson Middle School		22	Type A, Type C, Type D
1117	Mon, 11/20/2023	Half Hollow Hills	Practice	BBWL	Bolmor 110		15	Type A, Type C, Type D
1118	Mon, 11/20/2023	Candlewood 8	Port Jefferson 8	BBKB	Jefferson School (SPRING STREET GYM)		24	Type A, Type C, Type D
1119	Mon, 11/20/2023	West Hollow 7	Nesaquake 7	WGVB	Nesaquake MIddle School		33	Type A, Type C, Type D
1120	Mon, 11/20/2023	H H Hills East	Multi Team Scrimmage	GBKB	Northport High School		20	Type A, Type C, Type D
1121	Tue, 11/21/2023	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
1122	Tue, 11/21/2023	H H Hills West	Center Moriches	BBKB	Center Moriches High School (CMHS SOUTH GYM)		66	ROUTE TOO LONG
1123	Tue, 11/21/2023	Candlewood 7	Oldfield 7	BBKB	Oldfield Middle School		24	Type A, Type C, Type D
1124	Wed, 11/22/2023	H H Hills East	Commack HS	BBKB	Commack High School		20	Type A, Type C, Type D
1125	Wed, 11/22/2023	H H Hills East	Commack HS	BBKB	Commack High School		20	Type A, Type C, Type D
1126	Sat, 11/25/2023	H H Hills East	Kellenberg	GBKB	Kellenberg Memorial High School		44	Type A, Type C, Type D
1127	Sat, 11/25/2023	H H Hills East	Kellenberg	GBKB	Kellenberg Memorial High School		44	Type A, Type C, Type D
1128	Mon, 11/27/2023	Half Hollow Hills	Practice	BBWL	Bolmor 110		15	Type A, Type C, Type D
1129	Mon, 11/27/2023	H H Hills West	Deer Park	BBKB	Deer Park High School		6	Type A, Type C, Type D
1130	Mon, 11/27/2023	H H Hills East	North Babylon	BBKB	North Babylon High School (WEST GYM)		12	Type A, Type C, Type D
1131	Mon, 11/27/2023	Candlewood 7	Stimson 7	BBKB	Stimson Middle School		22	Type A, Type C, Type D
1132	Mon, 11/27/2023	West Hollow 8	Lindenhurst 8	BBKB	William Rall Elementary School		20	Type A, Type C, Type D
1133	Tue, 11/28/2023	Half Hollow Hills	West Babylon	BBWL	AMF Babylon Lanes		12	Type A, Type C, Type D
1134	Tue, 11/28/2023	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
1135	Tue, 11/28/2023	West Hollow 8	Oldfield 8	BBKB	Oldfield Middle School		24	Type A, Type C, Type D
1136	Tue, 11/28/2023	H H Hills East	Sachem East	GBKB	Sachem East High School		48	Type C, Type D
1137	Tue, 11/28/2023	H H Hills East	Sachem East	GBKB	Sachem East High School		48	Type C, Type D
1138	Tue, 11/28/2023	H H Hills/Kings Park	East Hampton/BH/Pier	WBSW	YMCA East Hampton RECenter (YMCA)		140	ROUTE TOO LONG
1139	Wed, 11/29/2023	Half Hollow Hills	Practice	BBWL	Bolmor 110		15	Type A, Type C, Type D
1140	Wed, 11/29/2023	Candlewood 7	Great Hollow 7	BBKB	Great Hollow Middle School		36	Type A, Type C, Type D
1141	Wed, 11/29/2023	West Hollow 8	Nesaquake 8	WGVB	Nesaquake MIddle School		33	Type A, Type C, Type D
1142	Thu, 11/30/2023	H H Hills	Sayville/BPT/Cont	BFEN	160 Greeley Avenue (OLD JR. HIGH GYM)		42	Type A, Type C, Type D
1143	Thu, 11/30/2023	H H Hills	Sayville/Bpt/Cont	GFEN	160 Greeley Avenue (OLD JR. HIGH GYM)		42	Type A, Type C, Type D
1144	Thu, 11/30/2023	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
1145	Thu, 11/30/2023	Candlewood 8	Great Hollow 8	WGVB	Great Hollow Middle School		36	Type A, Type C, Type D
1146	Fri, 12/1/2023	West Hollow 8	Port Jefferson 8	BBKB	Jefferson School (SPRING STREET GYM)		24	Type A, Type C, Type D
1147	**hu, 12/1/2022**	**Half Hollow Hills**	**Practice**	**BBWL**	**Bowlmor**		15	Type A, Type C, Type D
1148	Total Contests (Non-Scrimmage) :							Type A, Type C, Type D
1149	Total League :							Type A, Type C, Type D
1150	Total NL/MNL/I/T :							Type A, Type C, Type D

Information Received from the District (Field Trips)

Field Trip Schedule

School	Destination	Students	Adults	Vehicles	Miles One Way	Total Miles	Bus Type
Half Hollow Hills HS East	1220 Fifth Ave at 103rd St.	24	3	1	42	84	ROUTE TOO LONG
Half Hollow Hills HS East	Javits Center in NYC	11	1	1	37	75	ROUTE TOO LONG
Half Hollow Hills HS East	131 Sachem HS North	55	2	2	30	120	ROUTE TOO LONG
Half Hollow Hills HS East	Adelphi University	10	2	1	20	40	Type A, Type C, Type D
Half Hollow Hills HS West	Adelphi University	31	2	1	20	40	Type A, Type C, Type D
Signal Hill Elementary School	Adventure Land	102	8	2	6	24	Type A, Type C, Type D
West Hollow Middle School	Adventure Land	375	35	7	5	70	ROUTE TOO LONG
Half Hollow Hills HS West	Adventure Park	128	10	3	4.5	27	Type A, Type C, Type D
Half Hollow Hills HS East	Adventure Park 75-colonial Springs Road, Wheatley Heights, NY 11798	60	2	2	5	20	Type A, Type C, Type D
Paumanok Elementary School	Adventureland	103	10	2	6	24	Type A, Type C, Type D
Candlewood Middle School	Adventureland	215	35	5	7	70	ROUTE TOO LONG
Otsego Elementary School	Adventureland Park	101	15	3	7	42	Type A, Type C, Type D
Half Hollow Hills HS East	American Museum of Natural History	21	4	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS East	American Museum of Natural History	18	7	1	40	80	ROUTE TOO LONG
West Hollow Middle School	Argyle Theater	50	25	2	10	40	Type A, Type C, Type D
Half Hollow Hills HS West	Argyle Theater Babylon	40	45	2	10	40	Type A, Type C, Type D
Half Hollow Hills HS East	Argyle Theatre	23	27	2	10	40	Type A, Type C, Type D
Half Hollow Hills HS East	Argyle Theatre	23	27	0	10	40	Type A, Type C, Type D
Half Hollow Hills HS East	Art League of Long Island	17	2	1	2.5	5	Type A, Type C, Type D
Half Hollow Hills HS West	Atria Assisted Living	8	1	1	5	10

Field Trip Schedule

School	Destination	Students	Adults	Vehicles	Miles One Way	Total Miles	Bus Type
Half Hollow Hills HS West	Cinema Arts Theatre	30	2	1	10	20	Type A, Type C, Type D
Half Hollow Hills HS East	Citifield	45	4	2	35	140	ROUTE TOO LONG
Half Hollow Hills HS East	Citifield	45	4	2	35	140	ROUTE TOO LONG
Half Hollow Hills HS East	City Hall Park: Brooklyn Bridge	39	5	1	42	85	ROUTE TOO LONG
Paumanok Elementary School	Cold Spring Harbor Fish Hatchery & Aquarium	50	21	2	12	48	Type C, Type D
Paumanok Elementary School	Cold Spring Harbor Fish Hatchery & Aquarium	42	10	1	12	24	Type A, Type C, Type D
Vanderbilt Elementary School	Coleman Country Day Camp	140	25	3	25	150	ROUTE TOO LONG
Half Hollow Hills HS East	Columbia University	10	1	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS West	Columbia University	25	3	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS East	Commack HS	10	1	1	10	20	Type A, Type C, Type D
Candlewood Middle School	Commack Middle School	25	3	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS West	Commack Middle School	10	2	1	6	12	Type A, Type C, Type D
West Hollow Middle School	Commerce Plaza	44	4	1	20	40	Type A, Type C, Type D
West Hollow Middle School	Commerce Plaza	42	4	1	20	40	Type A, Type C, Type D
West Hollow Middle School	Commerce Plaza	42	4	1	20	40	Type A, Type C, Type D
West Hollow Middle School	Commerce Plaza	46	2	1	20	40	Type A, Type C, Type D
West Hollow Middle School	Commerce Plaza	45	5	1	20	40	Type A, Type C, Type D
West Hollow Middle School	Commerce Plaza	40	4	1	20	40	Type A, Type C, Type D
West Hollow Middle School	Commerce Plaza	40	4	1	20	40	Type A, Type C, Type D
West Hollow Middle School	Commerce Plaza	45	4	1	20	40	Type A, Type C, Type D
Candlewood Middle School	Commerce Plaza	40	2	1	20	40	Type A, Type C, Type D
Candlewood Middle School	Commerce Plaza	33	2	1	20	40	Type A, Type C, Type D
Candlewood Middle School	Commerce Plaza	31	2	1	20	40	Type A, Type C, Type D
Candlewood Middle School	Commerce Plaza Massapequa	36	2	1	20	40	Type A, Type C, Type D
Candlewood Middle School	Commerce Plaza Massapequa	36	2	1	20	40	Type A, Type C, Type D
Candlewood Middle School	Commerce Plaza Massapequa	36	2	1	20	40	Type A, Type C, Type D
Vanderbilt Elementary School	Conklin Farmhouse and Barn	46	3	1	10	20	Type A, Type C, Type D
Vanderbilt Elementary School	Conklin Farmhouse and Barn	44	3	1	10	20	Type A, Type C, Type D
Vanderbilt Elementary School	Conklin Farmhouse and Barn	22	2	1	10	20	Type A, Type C, Type D
Half Hollow Hills HS East	Connetquot High School	15	1	1	20	20	Type A, Type C, Type D
Half Hollow Hills HS East	Connetquot High School	20	2	1	20	40	Type A, Type C, Type D
Half Hollow Hills HS West	Connetquot High School	15	2	1	20	40	Type A, Type C, Type D
Half Hollow Hills HS East	Cornell Tech NYC	6	1	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS East	Cornell Tech NYC	12	2	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS East	Cornell Tech NYC	12	2	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS East	Costco Wholesale	15	3	1	10.2	22	Type A, Type C, Type D
Half Hollow Hills HS West	Crab Meadow Beach	12	1	1	15	30	Type A, Type C, Type D
Otsego Elementary School	Cradle of Aviation Museum	21	1	1	25	50	Type C, Type D
Half Hollow Hills HS East	Crest Hollow Country Club	8	1	1	10	20	Type A, Type C, Type D
Half Hollow Hills HS West	Deer Park Tanger Outlet	40	45	2	5	20	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center	21	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center	23	2	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center	15	9	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center	21	1	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center	9	4	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center	21	3	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	12	5	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	23	6	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	23	1	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	21	3	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	20	4	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	21	3	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	21	2	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	23	2	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	21	1	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	22	1	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	23	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	7	7	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	21	3	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	25	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	25	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	24	1	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	23	4	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	19	1	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	23	4	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	22	1	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	20	2	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	8	9	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	8	8	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	21	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	23	2	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	22	1	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	20	1	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	23	1	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	20	1	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	10	3	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	21	2	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	22	2	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	21	2	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	22	2	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	6	7	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	23	3	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	22	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	23	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	23	1	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	21	1	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	26	4	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	22	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	20	1	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	22	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	25	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	25	4	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	23	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	24	4	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	26	7	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	25	1	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	22	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	20	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	24	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	26	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	12	5	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	24	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	9	10	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	23	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	22	2	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	24	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	23	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	23	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	23	2	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	22	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	22	2	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	24	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	24	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	23	2	1	5	10	Type A, Type C, Type D

Field Trip Schedule

School	Destination	Students	Adults	Vehicles	Miles One Way	Total Miles	Bus Type
Otsego Elementary School	Discovery Center @ FGAC	15	5	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	19	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	13	6	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	19	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	19	2	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	19	2	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	21	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	20	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	21	2	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	11	5	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	21	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	21	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	21	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	22	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	18	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	18	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	12	6	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	17	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	18	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	21	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	22	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	22	2	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	20	2	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	21	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	21	2	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	20	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	20	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	13	9	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	19	2	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	20	2	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	21	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	22	4	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	22	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	22	1	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	22	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	22	1	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	20	5	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	20	5	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	20	5	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	20	5	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	20	5	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	21	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	22	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	22	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	21	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	20	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	21	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	21	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	22	2	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center Central Administration Office	22	3	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS East	Dix Hills Diner	8	9	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Dix Hills Diner	8	10	1	6	12	Type A, Type C, Type D
Candlewood Middle School	Dix Hills Diner	23	23	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	DNA Learning Center	100	11	2	12	24	Type A, Type C, Type D
Half Hollow Hills HS West	Dolan DNA Learning Center	45	2	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS West	East Islip Lanes	40	45	2	18	36	Type A, Type C, Type D
West Hollow Middle School	East Syracuse/ Carrier Circle Springhill Suites Inn and East Syracuse - Minoa High School	15	2	1	350	700	ROUTE TOO LONG
Signal Hill Elementary School	Elija Farm	42	6	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Elija Farm	44	15	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Elija Farm	44	10	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Elija Farm	42	10	1	5	10	Type A, Type C, Type D
West Hollow Middle School	Elizabeth Morton Refuge and Studio of Artist Dan Welden	19	3	1	65	130	ROUTE TOO LONG
West Hollow Middle School	Elizabeth Morton Refuge and Studio of Artist Dan Welden	19	3	1	65	130	ROUTE TOO LONG
Half Hollow Hills HS East	Elwood High School	10	1	1	8	16	Type A, Type C, Type D
Half Hollow Hills HS West	Elwood High School (John Glenn HS)	12	1	1	8	16	Type A, Type C, Type D
Half Hollow Hills HS East	Farmingdale High School	1	1	1	12	24	Type A, Type C, Type D
Half Hollow Hills HS East	Farmingdale High School	30	3	1	12	24	Type A, Type C, Type D
Half Hollow Hills HS East	Feinstein Institutes for Medical Research	4	1	1	22	44	Type A, Type C, Type D
Half Hollow Hills HS West	Five Below	9	12	1	5	10	Type A, Type C, Type D
West Hollow Middle School	Fran Greenspan Administration Building	49	6	2	5	20	Type A, Type C, Type D
West Hollow Middle School	Fran Greenspan Building (CO)	17	2	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS West	Fran Greenspan Building (CO)	10	0	1	5	10	Type A, Type C, Type D
West Hollow Middle School	Fran Greenspan Building (CO)	10	0	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS West	Fran Greenspan Building (CO)	10	0	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS West	Fran Greenspan Building (CO)	100	8	2	5	10	Type A, Type C, Type D
Half Hollow Hills HS West	Fran Greenspan Building (CO)	0	0	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS West	Fran Greenspan Building (CO)	0	0	1	5	10	Type A, Type C, Type D
Candlewood Middle School	Fran Greenspan Building (CO)	20	2	1	5	10	Type A, Type C, Type D
Candlewood Middle School	Fran Greenspan Building (CO)	6	0	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS East	Fran Greenspan Building (CO)	12	0	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS East	Fran Greenspan Building (CO)	12	0	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Fran Greenspan Building (CO)	25	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Fran Greenspan Building (CO)	22	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Fran Greenspan Building (CO)	21	1	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Fran Greenspan Building (CO)	22	3	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Fran Greenspan Building (CO)	25	2	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Fran Greenspan Building (CO)	19	4	1	5	10	Type A, Type C, Type D
Candlewood Middle School	Fran Greenspan Center	47	5	2	5	20	Type A, Type C, Type D
Half Hollow Hills HS East	George R. Brown Convention Center (NO TRANS)	1	1				Type A, Type C, Type D
Half Hollow Hills HS West	Gurwin Assisted Living	10	1	1	8	16	Type A, Type C, Type D
Half Hollow Hills HS West	Gurwin Assisted Living	10	1	1	8	16	Type A, Type C, Type D
Half Hollow Hills HS West	Gurwin Assisted Living	10	1	1	8	16	Type A, Type C, Type D
Half Hollow Hills HS East	Habitat for Humanity	20	1	1	50	100	ROUTE TOO LONG
Vanderbilt Elementary School	Half Hollow Hills Community Library	25	1	1	2	4	Type A, Type C, Type D
Vanderbilt Elementary School	Half Hollow Hills Community Library	50	2	1	2	8	Type A, Type C, Type D
Half Hollow Hills HS West	Half Hollow Hills HS East	40	1	1	2	4	Type A, Type C, Type D
Half Hollow Hills HS West	Half Hollow Hills HS East	65	1	2	2	8	Type A, Type C, Type D
Half Hollow Hills HS East	Half Hollow Hills HS West	39	1	1	2	4	Type A, Type C, Type D
Otsego Elementary School	Half Hollow Hills Public Library	44	6	1	2	4	Type A, Type C, Type D
Otsego Elementary School	Half Hollow Hills Public Library	22	3	1	2	4	Type A, Type C, Type D
Otsego Elementary School	Half Hollow Hills Public Library	20	14	1	2	4	Type A, Type C, Type D
Otsego Elementary School	Half Hollow Hills Public Library	21	4	1	2	4	Type A, Type C, Type D
Otsego Elementary School	Half Hollow Hills Public Library	24	1	1	2	4	Type A, Type C, Type D
Otsego Elementary School	Half Hollow Hills Public Library	24	1	1	2	4	Type A, Type C, Type D
Otsego Elementary School	Half Hollow Hills Public Library	19	2	1	2	4	Type A, Type C, Type D
Otsego Elementary School	Half Hollow Hills Public Library	19	1	1	2	4	Type A, Type C, Type D
Otsego Elementary School	Half Hollow Hills Public Library	19	1	1	2	4	Type A, Type C, Type D
Otsego Elementary School	Half Hollow Hills Public Library	24	1	1	2	4	Type A, Type C, Type D
Otsego Elementary School	Half Hollow Hills Public Library	44	3	1	2	4	Type A, Type C, Type D
Otsego Elementary School	Half Hollow Hills Public Library	15	7	1	2	4	Type A, Type C, Type D
Otsego Elementary School	Half Hollow Hills Public Library	12	6	1	2	4	Type A, Type C, Type D
Otsego Elementary School	Half Hollow Hills Public Library	11	10	1	2	4	Type A, Type C, Type D
Otsego Elementary School	Half Hollow Hills Public Library	46	4	1	2	4	Type A, Type C, Type D

Field Trip Schedule

School	Destination	Students	Adults	Vehicles	Miles One Way	Total Miles	Bus Type
Otsego Elementary School	Half Hollow Hills Public Library	46	2	1	2	4	Type A, Type C, Type D
Otsego Elementary School	Half Hollow Hills Public Library	39	6	1	2	4	Type A, Type C, Type D
Vanderbilt Elementary School	Half Hollow Hills Public Library	51	4	1	2	4	Type A, Type C, Type D
Signal Hill Elementary School	Half Hollow Hills Public Library	44	3	1	2	4	Type A, Type C, Type D
Signal Hill Elementary School	Half Hollow Hills Public Library	42	3	1	2	4	Type A, Type C, Type D
Half Hollow Hills HS East	Hamlet Country Club of Commack	150	6	4	8	64	ROUTE TOO LONG
Half Hollow Hills HS West	Hauppauge H.S	20	2	1	14	28	Type A, Type C, Type D
Half Hollow Hills HS West	Hauppauge High School	40	4	2	14	56	Type C, Type D
Half Hollow Hills HS West	Hauppauge High School	20	2	1	14	28	Type A, Type C, Type D
Half Hollow Hills HS East	Hauppauge High School	45	3	2	14	56	Type C, Type D
Half Hollow Hills HS East	Hauppauge High School	10	1	1	14	28	Type A, Type C, Type D
Half Hollow Hills HS East	Hauppauge High School	10	1	1	14	28	Type A, Type C, Type D
Half Hollow Hills HS East	Hauppauge Landfill	30	3	1	15	30	Type A, Type C, Type D
Half Hollow Hills HS West	Heckscher Park	40	37	2	8	32	Type A, Type C, Type D
Half Hollow Hills HS East	Herricks High School	15	1	1	20	40	Type A, Type C, Type D
Half Hollow Hills HS East	Herricks High School	15	1	0	20	40	Type A, Type C, Type D
Half Hollow Hills HS East	Hershey Park, PA	150	15	4	210	1680	ROUTE TOO LONG
Paumanok Elementary School	HHH Community Library	46	11	1	3	6	Type A, Type C, Type D
Paumanok Elementary School	HHH Community Library	41	6	1	3	6	Type A, Type C, Type D
Candlewood Middle School	HHH Community Library and then to Mario's Pizzeria in Commack.	20	6	1	3	6	Type A, Type C, Type D
Candlewood Middle School	HHH High School East	28	1	1	3	6	Type A, Type C, Type D
Candlewood Middle School	HHH High School East	22	1	1	3	6	Type A, Type C, Type D
Candlewood Middle School	HHH High School East	20	1	1	3	6	Type A, Type C, Type D
Candlewood Middle School	HHH High School East	28	1	1	3	6	Type A, Type C, Type D
Paumanok Elementary School	HHH High School East	20	4	1	3	6	Type A, Type C, Type D
Vanderbilt Elementary School	HHH High School East	21	2	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS West	HHH High School East	22	1	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS West	HHH High School East	22	1	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS West	HHH High School East	22	1	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS West	HHH High School East	22	1	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS West	HHH High School East	22	1	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS West	HHH High School East	22	1	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS West	HHH High School East	22	1	1	3	6	Type A, Type C, Type D
West Hollow Middle School	HHH High School East	28	1	1	3	6	Type A, Type C, Type D
West Hollow Middle School	HHH High School East	28	1	1	3	6	Type A, Type C, Type D
West Hollow Middle School	HHH High School East	28	1	1	3	6	Type A, Type C, Type D
West Hollow Middle School	HHH High School East	28	1	1	3	6	Type A, Type C, Type D
Vanderbilt Elementary School	HHH HSE	22	1	1	3	6	Type A, Type C, Type D
Otsego Elementary School	HHH HSE	50	0	1	3	6	Type A, Type C, Type D
Vanderbilt Elementary School	HHH Public Library	50	4	1	3	6	Type A, Type C, Type D
Vanderbilt Elementary School	HHH Public Library	50	4	1	3	6	Type A, Type C, Type D
Vanderbilt Elementary School	HHH Public Library	50	5	1	3	6	Type A, Type C, Type D
Vanderbilt Elementary School	HHH Public Library	22	4	1	3	6	Type A, Type C, Type D
Vanderbilt Elementary School	HHH Public Library	44	6	1	3	6	Type A, Type C, Type D
Vanderbilt Elementary School	HHH Public Library	44	6	1	3	6	Type A, Type C, Type D
Vanderbilt Elementary School	HHH Public Library	21	3	1	3	6	Type A, Type C, Type D
Vanderbilt Elementary School	HHH Public Library	42	4	1	3	6	Type A, Type C, Type D
Vanderbilt Elementary School	HHH Public Library	42	5	1	3	6	Type A, Type C, Type D
Vanderbilt Elementary School	HHH Public Library	11	5	1	3	6	Type A, Type C, Type D
Vanderbilt Elementary School	HHHHSE	24	2	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS East	HHHHSE	18	2	1	3	6	Type A, Type C, Type D
Signal Hill Elementary School	HHHHSE	21	2	1	3	6	Type A, Type C, Type D
Candlewood Middle School	HHHHSE	5	2	1	3	6	Type A, Type C, Type D
Otsego Elementary School	HHHHSE	50	0	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS West	HHHHSE	15	0	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS West	HHHHSE	15	0	1	3	6	Type A, Type C, Type D
West Hollow Middle School	HHHHSE	17	1	1	3	6	Type A, Type C, Type D
Signal Hill Elementary School	HHHHSE	102	10	2	3	12	Type A, Type C, Type D
West Hollow Middle School	HHHHSE	45	2	2	3	12	Type A, Type C, Type D
West Hollow Middle School	HHHHSE	56	6	2	3	12	Type A, Type C, Type D
West Hollow Middle School	HHHHSE	78	4	2	3	12	Type A, Type C, Type D
Signal Hill Elementary School	HHHHSE	20	3	1	3	6	Type A, Type C, Type D
Signal Hill Elementary School	HHHHSE	20	3	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS West	HHHHSE	11	0	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS West	HHHHSE	8	2	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS West	HHHHSE	2	1	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS West	HHHHSE	2	1	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS West	HHHHSE	39	1	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS East	HHHHSW	10	1	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS East	HHHHSW	10	1	1	3	6	Type A, Type C, Type D
Candlewood Middle School	HHHHSW	30	2	1	5	10	Type A, Type C, Type D
Candlewood Middle School	HHHHSW	33	1	1	3	6	Type A, Type C, Type D
Vanderbilt Elementary School	HHHHSW	140	15	3	3	18	Type A, Type C, Type D
ESB Sequoya at Pat Med HS	HHHHSW	10	0	1	3	6	Type A, Type C, Type D
West Hollow Middle School	HHSE Planetarium	28	1	1	3	6	Type A, Type C, Type D
West Hollow Middle School	HHSE Planetarium	28	1	1	3	6	Type A, Type C, Type D
West Hollow Middle School	High School East	68	2	2	3	6	Type A, Type C, Type D
West Hollow Middle School	High School East	2	3	1	3	6	Type A, Type C, Type D
Candlewood Middle School	High School West	29	1	1	3	6	Type A, Type C, Type D
Otsego Elementary School	High School West	104	16	3	3	18	Type A, Type C, Type D
Half Hollow Hills HS East	High school west	20	0	1	3	6	Type A, Type C, Type D
Candlewood Middle School	High School West	7	6	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS East	Hobart and William Smith Colleges	5	2	1	375	750	ROUTE TOO LONG
Candlewood Middle School	Hofstra University	9	3	1	25	50	Type C, Type D
Half Hollow Hills HS East	Hofstra University	45	1	1	25	50	Type C, Type D
West Hollow Middle School	Hofstra University	13	1	1	25	50	Type C, Type D
Half Hollow Hills HS West	Hofstra University	16	1	1	25	50	Type C, Type D
Half Hollow Hills HS East	Hofstra University David S. Mack Fitness Center	30	2	1	25	50	Type C, Type D
Half Hollow Hills HS East	Hofstra University David S. Mack Fitness Center	30	2	1	25	50	Type C, Type D
Half Hollow Hills HS East	Hofstra University David S. Mack Fitness Center	30	2	1	25	50	Type C, Type D
Half Hollow Hills HS East	Hofstra University Frank Zarb School of Business	4	1	1	25	50	Type C, Type D
Half Hollow Hills HS East	Hofstra University Starr Hall	20	1	1	25	50	Type C, Type D
Half Hollow Hills HS East	Holocaust Memorial and Tolerance Center	39	5	0	25	50	Type C, Type D
West Hollow Middle School	Holtsville Ecology Center	4	6	1	28	60	Type C
Half Hollow Hills HS West	HS East	15	1	1	3	6	Type A, Type C, Type D
Otsego Elementary School	HSE	8	1	1	5	10	Type A, Type C, Type D
West Hollow Middle School	HSE Planetarium	28	1	1	4	8	Type A, Type C, Type D
West Hollow Middle School	HSE Planetarium	28	1	1	4	8	Type A, Type C, Type D
West Hollow Middle School	HSE Planetarium	15	1	1	4	8	Type A, Type C, Type D
West Hollow Middle School	HSE Planetarium	28	1	1	4	8	Type A, Type C, Type D
West Hollow Middle School	HSE Planetarium	28	1	1	4	8	Type A, Type C, Type D
West Hollow Middle School	HSE Planetarium	26	1	1	4	8	Type A, Type C, Type D
Half Hollow Hills HS West	Hunter Mountain Ski Resort	50	4	1	106	215	ROUTE TOO LONG
Half Hollow Hills HS West	Huntington Cinema Arts Center	51	4	2	10	40	Type A, Type C, Type D
Half Hollow Hills HS West	Huntington Cinema Arts Theater/Rincon Criollo	42	2	1	10	20	Type A, Type C, Type D
Half Hollow Hills HS West	Intrepid Air and Space Museum	51	4	2	50	200	ROUTE TOO LONG
Hills Academy	Island Harvest Food Bank	15	5	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS West	Island Rock	90	3	3	8	48	Type C, Type D
Half Hollow Hills HS West	Island Rock	10	2	1	8	16	Type A, Type C, Type D
Half Hollow Hills HS West	Island Rock	10	2	1	8	16	Type A, Type C, Type D
Half Hollow Hills HS West	Island Rock	10	2	1	8	16	Type A, Type C, Type D

Field Trip Schedule

School	Destination	Students	Adults	Vehicles	Miles One Way	Total Miles	Bus Type
Half Hollow Hills HS West	Island Rock	10	2	1	8	16	Type A, Type C, Type D
Half Hollow Hills HS West	Island Rock	10	2	1	8	16	Type A, Type C, Type D
Half Hollow Hills HS West	Island Rock	10	2	1	8	16	Type A, Type C, Type D
Half Hollow Hills HS West	Island Rock	10	2	1	8	16	Type A, Type C, Type D
Half Hollow Hills HS West	Island Rock	10	2	1	8	16	Type A, Type C, Type D
Half Hollow Hills HS West	Island Rock	10	2	1	8	16	Type A, Type C, Type D
Half Hollow Hills HS East	James E Allen elementary and secondary schools	183	8	4	5	40	Type A, Type C, Type D
Half Hollow Hills HS East	Jericho High School	35	1	1	12	25	Type A, Type C, Type D
Half Hollow Hills HS West	JFK airport	37	4	2	35	70	ROUTE TOO LONG
Paumanok Elementary School	John Engeman Theater	124	41	3	15	90	ROUTE TOO LONG
Half Hollow Hills HS West	John Glenn HS	20	2	1	8	16	Type A, Type C, Type D
Half Hollow Hills HS West	John Glenn HS	20	2	1	8	16	Type A, Type C, Type D
Vanderbilt Elementary School	John W. Engeman Theater	137	11	3	15	90	ROUTE TOO LONG
Signal Hill Elementary School	John W. Engeman Educational Theater	100	16	3	15	90	ROUTE TOO LONG
Vanderbilt Elementary School	John W. Engeman Theater	110	7	3	15	90	ROUTE TOO LONG
Otsego Elementary School	John W. Engeman Theater	94	21	2	15	60	Type C
Otsego Elementary School	John W. Engeman Theater	110	25	3	15	90	ROUTE TOO LONG
Sunquam Elementary School	John W. Engeman Theater	80	18	2	15	60	Type C
Sunquam Elementary School	John W. Engeman Theater	87	25	2	15	60	Type C
Otsego Elementary School	John W. Engeman Theater at Northport	91	15	2	15	60	Type C
Paumanok Elementary School	John W. Engeman Theater Northport	76	16	3	15	60	Type C
Candlewood Middle School	Jones Beach Wild Play Adventure Park	18	3	1	25	50	Type C, Type D
Half Hollow Hills HS West	Kadampa Center	51	4	2	8	32	Type A, Type C, Type D
Half Hollow Hills HS East	Kellenberg High School	30	3	1	20	45	Type A, Type C, Type D
Half Hollow Hills HS East	Kellenberg Memorial HS	15	1	1	20	45	Type A, Type C, Type D
Half Hollow Hills HS West	LaGuardia Airport	10	15	1	35	70	ROUTE TOO LONG
Half Hollow Hills HS East	LeMoyne College	15	2	1	340	700	ROUTE TOO LONG
Half Hollow Hills HS East	LIU Post Tilles Center	10	2	1	20	40	Type A, Type C, Type D
Half Hollow Hills HS East	Long Island Aquarium	75	5	2	50	200	ROUTE TOO LONG
Half Hollow Hills HS West	Long Island Aquarium	15	1	1	50	100	ROUTE TOO LONG
Signal Hill Elementary School	Long Island Children's Museum	60	13	2	20	80	ROUTE TOO LONG
Signal Hill Elementary School	Long Island Children's Museum	40	8	1	20	40	Type A, Type C, Type D
West Hollow Middle School	Long Island MacArthur Airport	85	10	3	25	150	ROUTE TOO LONG
West Hollow Middle School	Long Island MacArthur Airport	50	5	2	25	100	ROUTE TOO LONG
Half Hollow Hills HS East	Long Island University	15	2	1	20	40	Type A, Type C, Type D
West Hollow Middle School	Long Island University - Brentwood Campus	70	10	2	8	32	Type A, Type C, Type D
West Hollow Middle School	Long Island University/Adventureland	55	12	2	8	16	Type A, Type C, Type D
West Hollow Middle School	Longhouse Reserve	40	4	1	75	150	ROUTE TOO LONG
Half Hollow Hills HS East	Longhouse Reserve	20	3	1	75	150	ROUTE TOO LONG
Half Hollow Hills HS East	Longwood High School	50	3	2	30	120	ROUTE TOO LONG
Half Hollow Hills HS East	Martin Luther King HS Campus	10	1	1	45	90	ROUTE TOO LONG
Half Hollow Hills HS West	Melville Post Office & Victor's Pizza	9	10	1	4	8	Type A, Type C, Type D
Half Hollow Hills HS West	Melville Post Office & Victor's Pizza	7	9	0	4	8	Type A, Type C, Type D
Half Hollow Hills HS West	Melville Post Office and Victor's Pizza	10	12	1	4	8	Type A, Type C, Type D
Half Hollow Hills HS East	MET - Museum	25	4	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS East	Met Museum of Art	25	3	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS West	Metropolitan Museum	10	1	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS West	Metropolitan Museum 5th Ave	31	4	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS West	Metropolitan Museum of Art	20	2	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS West	Metropolitan Museum of Art	30	3	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS West	Metropolitan Museum of Art	51	5	2	40	160	ROUTE TOO LONG
Half Hollow Hills HS East	Metropolitan Museum of Art	30	3	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS East	Michael Murphy Navy SEAL Museum	75	3	2	22	90	ROUTE TOO LONG
Candlewood Middle School	Mitchel Athletic Complex - Cradle of Aviation Museum	23	23	1	22	45	Type A, Type C, Type D
Half Hollow Hills HS West	Mitchell Field Athletic Complex in Uniondale	25	2	1	25	50	Type C, Type D
Half Hollow Hills HS East	Molloy College	20	1	1	25	50	Type C, Type D
Half Hollow Hills HS West	MoMA Art Museum	18	2	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS East	Museum of Illustration www.societyillustrators.org	28	4	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS West	Museum of Jewish Heritage	51	4	2	45	180	ROUTE TOO LONG
Half Hollow Hills HS West	Museum of Modern Art	35	4	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS West	Museum of Modern Art	22	3	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS West	Museum of Moving Images	51	6	2	40	160	ROUTE TOO LONG
Candlewood Middle School	Museum of the Chinese in America	17	3	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS West	Museum of the City of NY	51	4	2	40	160	ROUTE TOO LONG
Half Hollow Hills HS East	Muttontown Nature Preserve	20	1	1	15	30	Type A, Type C, Type D
Half Hollow Hills HS East	MVP Arena	15	2	1	200	400	ROUTE TOO LONG
Half Hollow Hills HS East	MVP Arena	25	3	1	200	400	ROUTE TOO LONG
Candlewood Middle School	Nassau Coliseum	85	10	2	25	100	ROUTE TOO LONG
Paumanok Elementary School	Nassau County Fire Fighters Museum & Education Center	60	20	2	25	100	ROUTE TOO LONG
Paumanok Elementary School	Nassau County Fire Fighters Museum & Education Center	78	24	2	25	100	ROUTE TOO LONG
Half Hollow Hills HS West	New York Bar Association	6	1	1	45	90	ROUTE TOO LONG
Half Hollow Hills HS East	New York Botanical Gardens	30	4	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS East	Newfield HS	10	1	1	25	50	Type C, Type D
Half Hollow Hills HS East	Nissequogue River	21	2	1	18	36	Type A, Type C, Type D
Candlewood Middle School	Nissequogue River State Park	22	22	1	18	36	Type A, Type C, Type D
Half Hollow Hills HS West	North Babylon Post Office	10	12	1	10	20	Type A, Type C, Type D
Half Hollow Hills HS West	Northport High School	10	1	1	10	20	Type A, Type C, Type D
West Hollow Middle School	Northport High School	24	3	1	10	20	Type A, Type C, Type D
Half Hollow Hills HS East	Northport High School	15	1	1	10	20	Type A, Type C, Type D
Half Hollow Hills HS East	Northport High School	24	3	1	10	20	Type A, Type C, Type D
Half Hollow Hills HS East	NY Hall of Science	13	1	1	35	70	ROUTE TOO LONG
Candlewood Middle School	NYU Skirball Center	8	2	1	45	90	ROUTE TOO LONG
Paumanok Elementary School	Old Bethpage Restoration Village	74	16	2	10	40	Type A, Type C, Type D
Half Hollow Hills HS East	Organic Today Farm	40	6	1	15	30	Type A, Type C, Type D
West Hollow Middle School	OTHER	18	8	1	25	50	Type C, Type D
Half Hollow Hills HS East	Otsego Elementary School	25	1	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS East	Parris Art Museum	40	3	1	65	130	ROUTE TOO LONG
Half Hollow Hills HS East	Parrish Art Museum	30	3	1	65	130	ROUTE TOO LONG
Half Hollow Hills HS West	Patchogue Theatre of Performing Arts	51	4	2	25	100	ROUTE TOO LONG
Hills Academy	Paul Gibbons Park	30	5	1	15	30	Type A, Type C, Type D
Half Hollow Hills HS West	Paul T Given Park	60	5	2	18	40	Type A, Type C, Type D
Half Hollow Hills HS East	Paumanok Elementary School	25	1	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS East	Paumanok Elementary School	12	1	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS West	Plainview-Old Bethpage JFK HS	12	3	1	10	20	Type A, Type C, Type D
West Hollow Middle School	Planetarium at HSE	19	8	1	5	10	Type A, Type C, Type D
West Hollow Middle School	Planetarium at HSE	0	0	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	22	0	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	20	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	21	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	20	3	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	20	3	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	22	3	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	23	1	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	20	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	23	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	6	3	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	21	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	22	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	21	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	21	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	20	2	1	5	10	Type A, Type C, Type D

Field Trip Schedule

School	Destination	Students	Adults	Vehicles	Miles One Way	Total Miles	Bus Type
Signal Hill Elementary School	Planetarium at HSE	21	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	21	2	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS West	Planetarium at HSE	0	0	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS West	Planetarium at HSE	0	0	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS West	Planetarium at HSE	0	0	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS West	Planetarium at HSE	0	0	1	5	10	Type A, Type C, Type D
Candlewood Middle School	Planetarium at HSE	23	1	1	5	10	Type A, Type C, Type D
Candlewood Middle School	Planetarium at HSE	23	1	1	5	10	Type A, Type C, Type D
Candlewood Middle School	Planetarium at HSE	26	1	1	5	10	Type A, Type C, Type D
Candlewood Middle School	Planetarium at HSE	26	1	1	5	10	Type A, Type C, Type D
Candlewood Middle School	Planetarium at HSE	38	1	1	5	10	Type A, Type C, Type D
Candlewood Middle School	Planetarium at HSE	23	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	21	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	21	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	22	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	22	1	1	0	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	18	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	18	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	12	7	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	19	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	19	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	20	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	13	9	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	22	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	22	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	21	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	20	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	20	2	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	21	2	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	20	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	20	2	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	18	2	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	8	5	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	19	2	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	19	2	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	20	2	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	24	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	23	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	24	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	22	2	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	9	10	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	24	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	15	5	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	23	2	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	24	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	22	2	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	23	2	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	22	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	23	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	19	2	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	19	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	19	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	19	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	22	2	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	9	5	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	20	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	21	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	11	5	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	21	2	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	19	2	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	22	3	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	22	4	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	21	3	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	25	1	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	25	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	12	5	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	15	7	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	22	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	25	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	25	4	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	26	4	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	22	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	23	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	24	4	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	22	4	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	20	1	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	22	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	26	1	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	20	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	21	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	20	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	21	3	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	22	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	22	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	26	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	23	1	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	0	0	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	22	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	21	1	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	21	3	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	22	3	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	22	3	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	21	5	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	15	9	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	20	1	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	20	1	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	8	8	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	10	3	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	21	2	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	23	30	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	22	2	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	20	4	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	12	4	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	20	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	22	1	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	19	3	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	19	7	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	20	6	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	8	9	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	23	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	21	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	22	1	1	5	10	Type A, Type C, Type D

Field Trip Schedule

School	Destination	Students	Adults	Vehicles	Miles One Way	Total Miles	Bus Type
Vanderbilt Elementary School	Planetarium at HSE	20	1	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	23	4	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	23	2	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	22	1	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	21	3	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	21	1	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	21	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	22	3	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	21	3	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	23	2	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	25	2	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	9	4	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	23	1	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	21	1	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	23	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	23	3	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	21	3	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	21	3	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	23	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	24	1	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	25	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	19	1	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	25	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	7	7	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planting Fields Arboretum	45	12	1	20	40	Type A, Type C, Type D
Sunquam Elementary School	Planting Fields Arboretum	51	9	1	20	40	Type A, Type C, Type D
Half Hollow Hills HS West	Pocono White Water Rafting Company	50	5	1	150	300	ROUTE TOO LONG
Candlewood Middle School	Priemer Diner	25	4	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS East	Princeton University	25	3	1	100	200	ROUTE TOO LONG
Half Hollow Hills HS East	Quinnipiac University	12	1	1	130	260	ROUTE TOO LONG
West Hollow Middle School	R C Murphy JHS	35	1	1	20	40	Type A, Type C, Type D
Vanderbilt Elementary School	Raynham Hall	23	2	1	15	30	Type A, Type C, Type D
Vanderbilt Elementary School	Raynham Hall	45	2	1	15	30	Type A, Type C, Type D
Vanderbilt Elementary School	Raynham Hall	44	7	1	15	30	Type A, Type C, Type D
Vanderbilt Elementary School	Raynham Hall	44	7	1	15	30	Type A, Type C, Type D
Paumanok Elementary School	Raynham Hall	21	5	1	15	30	Type A, Type C, Type D
Paumanok Elementary School	Raynham Hall	33	11	1	15	30	Type A, Type C, Type D
Paumanok Elementary School	Raynham Hall Museum	23	4	1	15	30	Type A, Type C, Type D
Paumanok Elementary School	Raynham Hall Museum	23	5	1	15	30	Type A, Type C, Type D
Signal Hill Elementary School	Raynham Hall Museum	21	3	1	15	30	Type A, Type C, Type D
Signal Hill Elementary School	Raynham Hall Museum	21	7	1	15	30	Type A, Type C, Type D
Signal Hill Elementary School	Raynham Hall Museum	21	6	1	15	30	Type A, Type C, Type D
Signal Hill Elementary School	Raynham Hall Museum	21	5	1	15	30	Type A, Type C, Type D
Signal Hill Elementary School	Raynham Hall Museum	21	5	1	15	30	Type A, Type C, Type D
Signal Hill Elementary School	Raynham Hall Museum	21	6	1	15	30	Type A, Type C, Type D
Otsego Elementary School	Raynham Hall Museum	45	7	1	15	30	Type A, Type C, Type D
Otsego Elementary School	Raynham Hall Museum	15	7	1	15	30	Type A, Type C, Type D
Otsego Elementary School	Raynham Hall Museum	46	7	1	15	30	Type A, Type C, Type D
Candlewood Middle School	RC Murphy Middle School	20	2	1	20	40	Type A, Type C, Type D
Half Hollow Hills HS East	Riverhead Correctional Facility	40	3	1	45	90	ROUTE TOO LONG
Half Hollow Hills HS East	Riverhead Correctional Facility	40	3	1	45	90	ROUTE TOO LONG
Half Hollow Hills HS East	Riverhead Correctional Facility	40	3	1	45	90	ROUTE TOO LONG
Half Hollow Hills HS East	Riverhead Correctional Facility	40	3	1	45	90	ROUTE TOO LONG
Half Hollow Hills HS West	Riverhead County Jail	28	3	1	45	90	ROUTE TOO LONG
Half Hollow Hills HS West	Riverhead County Jail	28	2	1	45	90	ROUTE TOO LONG
Half Hollow Hills HS West	Riverhead County Jail	28	2	1	45	90	ROUTE TOO LONG
Half Hollow Hills HS East	Riverside Convention Center - Rochester, NY	20	2	0	340	700	ROUTE TOO LONG
Half Hollow Hills HS West	Rochester	7	2	1	340	700	ROUTE TOO LONG
Half Hollow Hills HS East	Rochester Riverside Convention Center	30	4	0	340	700	ROUTE TOO LONG
Half Hollow Hills HS West	Rutgers University	30	3	1	80	160	ROUTE TOO LONG
Candlewood Middle School	Sachem North High School	14	2	1	20	40	Type A, Type C, Type D
Half Hollow Hills HS East	Sacred Heart Academy	10	1	1	25	50	Type C, Type D
Candlewood Middle School	Samanea New York (Shopping Center/Mall) 1500 Old Country Road, Westbury, NY 11590	29	4	1	20	40	Type A, Type C, Type D
Half Hollow Hills HS East	Sands Point	29	3	1	25	50	Type C, Type D
Half Hollow Hills HS East	Sangria 71	35	2	1	12	25	Type A, Type C, Type D
Half Hollow Hills HS East	Sayville High School	20	1	1	22	45	Type A, Type C, Type D
Half Hollow Hills HS West	Sayville Movie Theater	40	45	2	28	60	Type C
Half Hollow Hills HS East	Scarsdale High School	30	3	1	50	100	ROUTE TOO LONG
Half Hollow Hills HS East	Schrieber High School	30	1	1	25	50	Type C, Type D
Half Hollow Hills HS West	Sewanhaka High School	40	2	2	28	60	Type C
Half Hollow Hills HS West	Sewanhaka High School	40	2	2	28	60	Type C
Half Hollow Hills HS West	Signal Hill Elementary School	10	1	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS East	Signal Hill Elementary School	7	1	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS East	Signal Hill Elementary School	25	1	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS West	Smith Haven Mall	45	50	2	17	70	ROUTE TOO LONG
Half Hollow Hills HS West	Smithtown High School WEST	10	2	1	15	30	Type A, Type C, Type D
Half Hollow Hills HS West	Smithtown High School West	31	3	1	15	30	Type A, Type C, Type D
Half Hollow Hills HS East	Smithtown High School West	31	3	1	15	30	Type A, Type C, Type D
Half Hollow Hills HS West	Smithtown High School West	31	3	1	15	30	Type A, Type C, Type D
Signal Hill Elementary School	Smithtown Historical Society	43	11	1	15	30	Type A, Type C, Type D
Signal Hill Elementary School	Smithtown Historical Society	44	10	1	15	30	Type A, Type C, Type D
Signal Hill Elementary School	Smithtown Historical Society	43	13	1	15	30	Type A, Type C, Type D
Half Hollow Hills HS West	Smithtown Library (Main Building)	8	1	1	15	30	Type A, Type C, Type D
Half Hollow Hills HS West	Smithtown West High School	14	1	1	15	30	Type A, Type C, Type D
Half Hollow Hills HS West	Smoothie King	5	8	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS West	Snug Harbor Cultural Center	19	2	1	55	110	ROUTE TOO LONG
West Hollow Middle School	Sony Hall	29	6	1	45	90	ROUTE TOO LONG
Half Hollow Hills HS East	St John The Divine	25	3	1	45	90	ROUTE TOO LONG
Half Hollow Hills HS West	St Johns University (D'Angelo Building)	10	2	1	30	60	Type C
Half Hollow Hills HS West	St Joseph's University	2	1	1	27	55	Type C, Type D
Half Hollow Hills HS East	St. Francis Prep	11	1	1	30	60	Type C
Half Hollow Hills HS West	St. John the Baptist High School	14	1	1	15	30	Type A, Type C, Type D
Half Hollow Hills HS East	St. Joseph College	20	20	1	27	55	Type C, Type D
Half Hollow Hills HS East	St. Joseph College	37	2	1	27	55	Type C, Type D
Half Hollow Hills HS West	Statue City Cruises/Battery Park	35	3	1	70	145	ROUTE TOO LONG
Half Hollow Hills HS East	Stephen Sondheim Theatre	40	6	1	42	85	ROUTE TOO LONG
Half Hollow Hills HS West	Stew Leonard's	5	8	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS West	Stew Leonard's Tour	5	8	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS West	Stony Brook School	10	1	1	25	50	Type C, Type D
Half Hollow Hills HS West	Stony Brook University	19	2	1	25	50	Type C, Type D
Half Hollow Hills HS West	Stop & Shop	9	12	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS West	Stop & Shop	9	12	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS West	Stop & Shop	9	12	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS West	Stop & Shop	9	12	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS West	Stop & Shop	9	12	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS West	Stop & Shop	9	12	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS West	Stop & Shop	9	12	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS West	Stop & Shop	9	12	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS West	Stop & Shop	9	12	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS West	Stop & Shop	9	12	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS West	Stop & Shop	9	12	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS West	Stop & Shop	9	12	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS West	Stop & Shop & Burger king	9	12	1	6	12	Type A, Type C, Type D

Field Trip Schedule

School	Destination	Students	Adults	Vehicles	Miles One Way	Total Miles	Bus Type
Half Hollow Hills HS East	Stop and Shop	16	18	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	9	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	9	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	9	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	9	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	9	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	9	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	9	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	9	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	9	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	9	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	9	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	9	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	9	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	8	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	8	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	8	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	8	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	8	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	9	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	9	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	9	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	9	1	6	12	Type A, Type C, Type D
Paumanok Elementary School	Stop and Shop Supermarket	30	3	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS West	Suffolk Community College	30	2	1	22	45	Type A, Type C, Type D
Half Hollow Hills HS West	Suffolk Community College	10	2	1	10	20	Type A, Type C, Type D
Half Hollow Hills HS West	Suffolk Community College	100	4	2	10	40	Type A, Type C, Type D
Half Hollow Hills HS East	Suffolk Community College Ammerman Campus	20	2	1	22	45	Type A, Type C, Type D
Candlewood Middle School	Suffolk Community College Selden Campus	16	2	1	22	45	Type A, Type C, Type D
Half Hollow Hills HS East	Suffolk Community College Selden Campus	20	2	1	22	45	Type A, Type C, Type D
West Hollow Middle School	Suffolk Community College, Brentwood Campus	60	10	2	10	40	Type A, Type C, Type D
Half Hollow Hills HS East	Suffolk County Criminal Court, Central Islip	8	1	1	17	35	Type A, Type C, Type D
Candlewood Middle School	Suffolk County Farm and Education Center	23	23	1	28	56	Type C, Type D
Paumanok Elementary School	Suffolk County Farm and Education Center	92	18	2	28	115	ROUTE TOO LONG
Half Hollow Hills HS East	Sunken Meadow Outdoor Learning Lab - State Park Field 5	28	3	1	17	35	Type A, Type C, Type D
Half Hollow Hills HS East	Sunken Meadow Outdoor Learning Lab - State Park Field 5	28	3	1	17	35	Type A, Type C, Type D
Half Hollow Hills HS East	Sunken Meadow Outdoor Learning Lab - State Park Field 5	20	3	1	17	35	Type A, Type C, Type D
Half Hollow Hills HS East	Sunken Meadow Outdoor Learning Lab - State Park Field 5	25	3	1	17	35	Type A, Type C, Type D
Candlewood Middle School	Sunken Meadow State Park	23	22	2	17	35	Type A, Type C, Type D
Half Hollow Hills HS East	Sunqaum Elementary School	25	1	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS East	Sunqaum Elementary School	7	0	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS West	Sunrise Assisted Living	10	1	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS East	SUNY SB	25	2	1	25	50	Type C, Type D
Sunquam Elementary School	Sweet Briar Nature Center	21	5	1	17	35	Type A, Type C, Type D
Sunquam Elementary School	Sweet Briar Nature Center	40	4	1	17	35	Type A, Type C, Type D
Sunquam Elementary School	Sweetbriar Nature Center	93	26	1	17	35	Type A, Type C, Type D
Otsego Elementary School	Sweetbriar Nature Center	90	14	1	17	35	Type A, Type C, Type D
Half Hollow Hills HS East	Syosset HS	40	1	1	12	25	Type A, Type C, Type D
Candlewood Middle School	Tanger Outlets	23	23	1	7	15	Type A, Type C, Type D
Half Hollow Hills HS West	Tanger Outlets Deer Park, NY	45	50	2	7	30	Type A, Type C, Type D
West Hollow Middle School	Target	4	5	1	6	12	Type A, Type C, Type D
Candlewood Middle School	Target	22	22	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Target	16	2	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Target	15	17	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Tenement Musuem & Essex Market	39	6	1	38	80	ROUTE TOO LONG
Sunquam Elementary School	The Argyle Theatre Babylon	92	30	3	12	75	ROUTE TOO LONG
Candlewood Middle School	The Gershwin Theater	66	15	2	40	80	ROUTE TOO LONG
West Hollow Middle School	The Well Seasoned Chef	20	4	1	20	40	Type A, Type C, Type D
Half Hollow Hills HS West	Tilles Center Long Island University	15	2	1	20	40	Type A, Type C, Type D
Half Hollow Hills HS East	Tony DiNapoli's followed by Marquis Theater	40	4	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS West	Uncle Giuseppe's Tour for Principles of Work Class	5	7	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS East	University of Pennsylvania	15	2	1	165	330	ROUTE TOO LONG
Half Hollow Hills HS East	Usdan Center for the Creative and Performing Arts	12	2	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Vanderbilt Elementary	20	1	1	7	15	Type A, Type C, Type D
Half Hollow Hills HS East	Vanderbilt Elementary School	25	1	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS West	Vanderbilt Elementary School/Otsego Elementary School	31	2	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS West	Vanderbilt Elementary School/Otsego Elementary School	31	2	1	5	10	Type A, Type C, Type D
Candlewood Middle School	Vanderbilt Museum and Planetarium	5	3	1	12	25	Type A, Type C, Type D
Half Hollow Hills HS West	Vanderbilt, Otsego, Candlewood	11	0	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS East	Walmart	30	1	1	7	15	Type A, Type C, Type D
Half Hollow Hills HS East	Walt Whitman High School	10	2	1	5	10	Type A, Type C, Type D
Candlewood Middle School	Walt Whitman High School	14	2	1	7	15	Type A, Type C, Type D
Half Hollow Hills HS West	Walt Whitman High School	22	4	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS West	Walt Whitman High School	10	2	1	7	15	Type A, Type C, Type D
West Hollow Middle School	Walt Whitman High School	10	1	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS East	Ward Melville High School	30	1	1	20	40	Type A, Type C, Type D
Half Hollow Hills HS West	Waste Facilities	31	1	1	17	35	Type A, Type C, Type D
Half Hollow Hills HS West	Waste Facilities	20	1	1	17	35	Type A, Type C, Type D
Half Hollow Hills HS East	Wells Fargo	6	1	1	40	80	ROUTE TOO LONG
West Hollow Middle School	West Hills Park	35	4	1	7	15	Type A, Type C, Type D
Signal Hill Elementary School	West Hollow Middle School	102	8	2	5	20	Type A, Type C, Type D
Half Hollow Hills HS East	West Hollow Middle School	25	2	1	5	10	Type A, Type C, Type D
Otsego Elementary School	West Hollow Middle School	11	10	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	West Hollow Middle School	89	4	2	5	20	Type A, Type C, Type D
Sunquam Elementary School	West Hollow Middle School	88	4	2	5	20	Type A, Type C, Type D
Sunquam Elementary School	West Hollow Middle School	90	5	2	5	20	Type A, Type C, Type D
Half Hollow Hills HS East	West Hollow Middle School	10	1	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS East	West Hollow Middle School	10	1	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS East	West Hollow Middle School	10	2	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS East	West Hollow Middle School	20	2	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	West Hollow Middle School	115	10	3	5	30	Type A, Type C, Type D
Paumanok Elementary School	West Hollow Middle School	115	10	3	5	30	Type A, Type C, Type D
Paumanok Elementary School	West Hollow Middle School	115	10	3	5	30	Type A, Type C, Type D
Signal Hill Elementary School	West Hollow Middle School	51	1	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS West	Westhampton Beach Theater	42	3	1	46	95	ROUTE TOO LONG
Otsego Elementary School	White Post Farms	101	25	2	5	20	Type A, Type C, Type D
Half Hollow Hills HS East	Whitney Museum of American Art	30	3	1	43	90	ROUTE TOO LONG
Half Hollow Hills HS West	Whitney Museum of American Art	30	3	1	43	90	ROUTE TOO LONG
Candlewood Middle School	Wickham	21	23	1	42	90	ROUTE TOO LONG
Half Hollow Hills HS West	Wickham Fruit Farm	37	40	2	65	260	ROUTE TOO LONG
Half Hollow Hills HS West	Wickham Fruit Farm - Apple Picking	40	46	2	65	260	ROUTE TOO LONG
Half Hollow Hills HS East	William Floyds HS	50	3	2	37	75	ROUTE TOO LONG
Half Hollow Hills HS East	William T. Rogers MS	14	2	1	15	30	Type A, Type C, Type D
Half Hollow Hills HS East	Wilson Tech Dix Hills, Northport, Republic and Huntington Campus	25	3	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS East	Yale University (Marriott)	8	2	1	100	200	ROUTE TOO LONG
Half Hollow Hills HS East	York College	8	1	1	30	60	Type C

TOTAL MILES
33781

MEMO

To:	Anne Marie Caliendo – Half Hollow Hills Central School District
	Austin Daily – NYSERDA
From:	Adam Kaufman, Nitasha Jacob, John Havrilla– Wendel
Date:	June 28, 2024
RE:	Half Hollow Hills Central School District: Task 4: Conceptual Charging Strategy

Conceptual Charging Strategy

Wendel developed an hourly charging model during a winter month to validate proper charging infrastructure and show the operational and energy impact of utilizing a battery electric bus fleet on the district. The charging model utilized arrival and departure times provided by the district along with energy usage data calculated in the Route Analysis Task 3. The analysis provides the anticipated number, types and sizes of chargers required to charge the fleet, anticipated peak demand during both on peak and off-peak utility periods and charger configuration.

The model development starts with determining the arrival and departure time of each of the buses. For this analysis Wendel investigated the routes of 278 route buses provided by Half Hollow Hills Central School District. The district's fleet is currently made up of 59 school buses, 49 of which are route buses, 10 of which are used as spares and standby buses and do not have any designated routes. As discussed in Task 3, Wendel is utilizing Lion, IC, and Thomas Built buses as the basis of design per the district's request.

Using the route information and the battery usage rates from Task 3 Wendel determined the battery capacity at each hour throughout the winter month, the amount of charge delivered to the bus batteries and amount of charge delivered from the district for each hour throughout the winter month. The 10 spare buses were not included in this analysis. Among the routes for the 49 buses examined, it was determined that the routes for all the buses can currently be performed by a battery electric bus excluding the route 65 to Sunquam Elementary School AM and PM.

Wendel recommends that this bus be converted to a battery electric bus towards the end of the transition plan. This will allow for the development of a larger battery capacity which may enable the district to implement a battery electric bus without splitting the routes in the future. Below are the minimum Battery Electric Bus sizes needed to perform the routes as they currently are for one bus.

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In order to provide a complete demand profile for all buses, the charging model uses the assumption that the battery capacities needed for routes that are currently too large will become available and that the largest charger size needed for that bus size would be used.

The maximum combined bus electrical demand when all 49 route buses are converted to BEB's during a winter month is 611.1 kW which occurs between 12:00 pm and 1:00 pm on Tuesdays. Before the demand reduction strategy was implemented the peak demand was 904.5 kW which would occur between 9:00 am and 10:00 am on Tuesdays. 293 kW demand reduction will yield utility cost savings over the year, which highlights the importance of implementing a charge controller optimization strategy.

The charging strategy focuses on charging for long periods of time at low charging speeds. The model shows the batteries charging rate based on the duration of time to charge. The maximum single bus charging rate for any hour throughout the winter month was 79 kW. This value was used to determine maximum charger size required for this district.

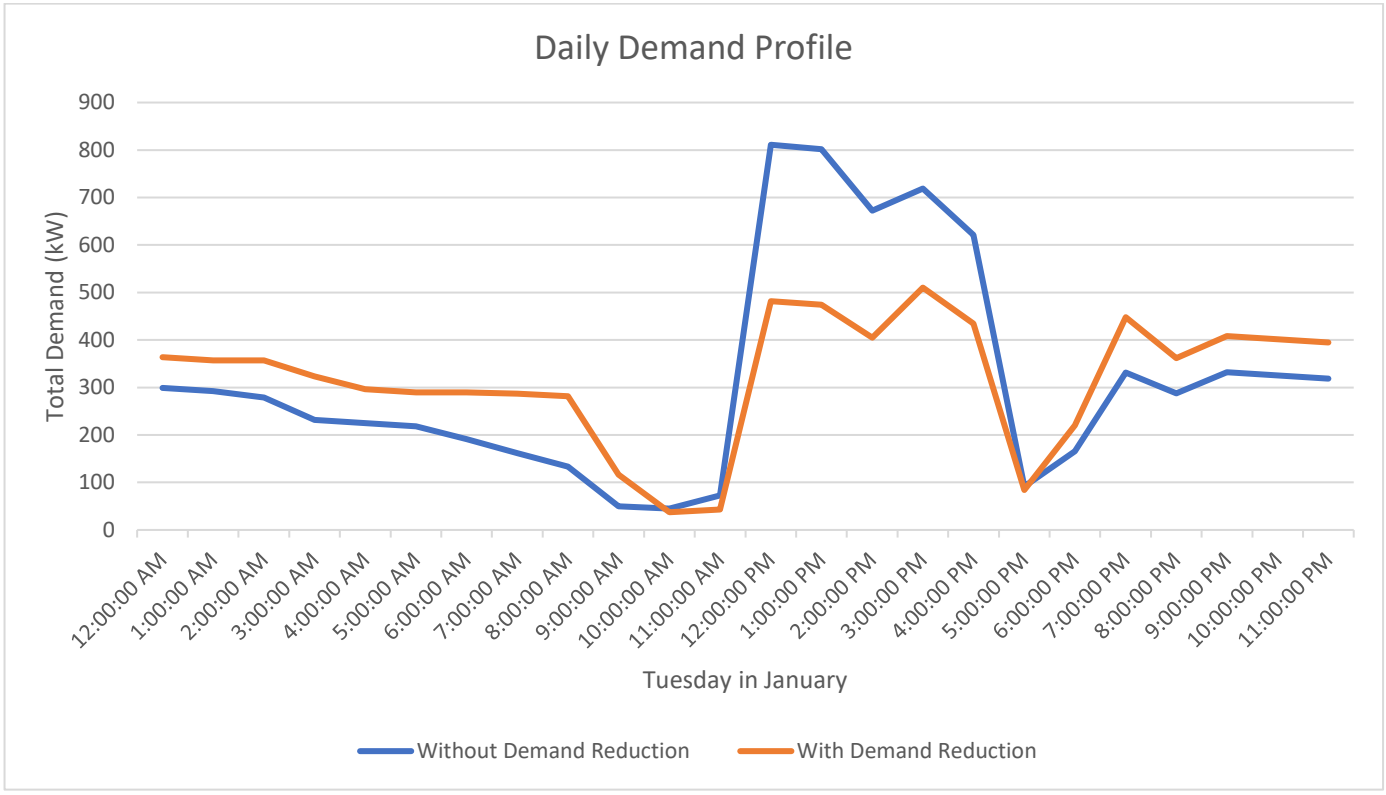
The models provide additional insights on the charger infrastructure required when converting to BEB's. The basis of the model utilized chargers which can charge from 24 kW to 120 kW. For this analysis, it was assumed that the maximum number of buses charging at any one hour is 49 buses, this does not include the spare buses or the contracted buses.

Charger recommendations are based on utilizing one charger per school bus in order to remain conservative. The district may choose to utilize higher kW chargers of at least twice the recommended size which would allow for the charging of two school buses per charger. This would decrease installation and overall charger costs. Another advantage of this approach would be if only one school bus is utilizing the two port charger at any time, that bus's required charging time would decrease as it would be able to take advantage of the full charger output.

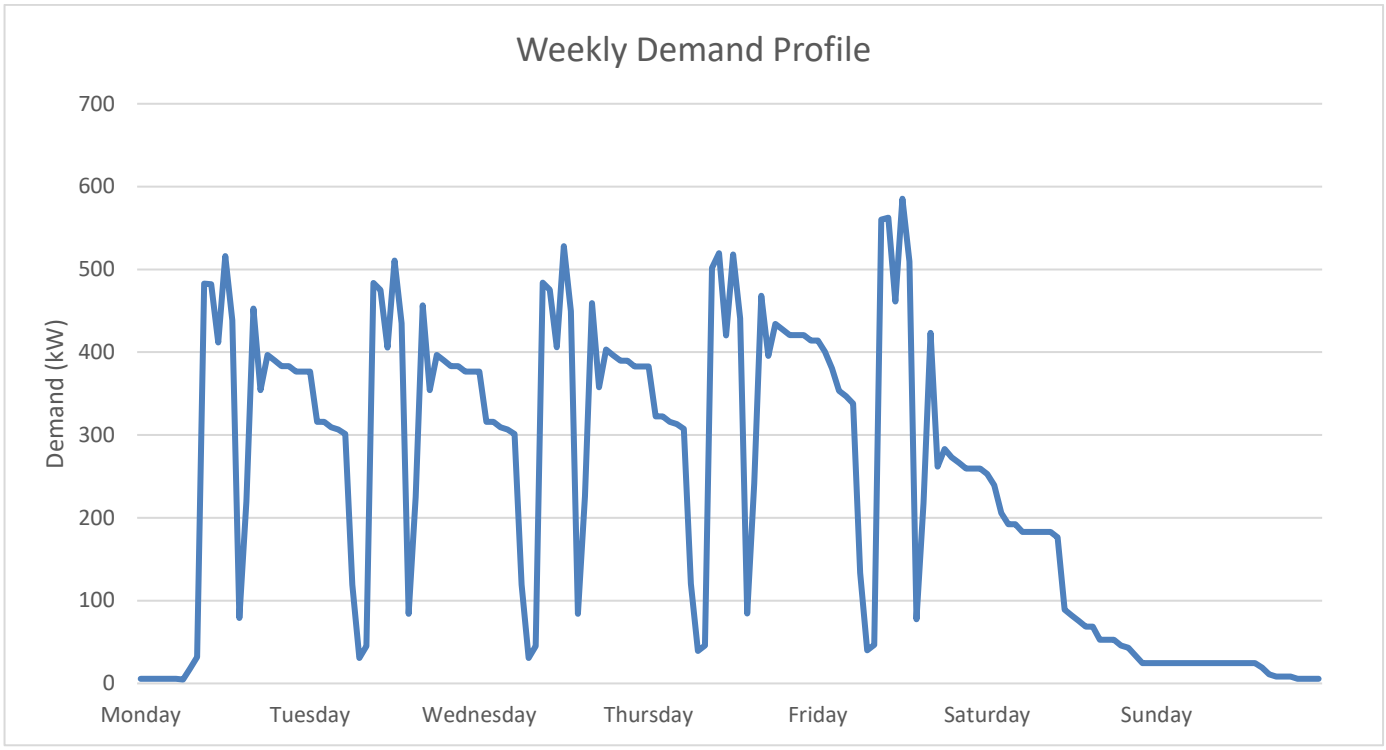
Based on the models and the approach specified above, (14) 24 kW chargers, (32) 60 kW chargers, (4) 120 kW chargers are proposed for the route buses. For the spare buses, (2) 24 kW chargers and (3) 120 kW chargers are proposed (assuming these spare buses are used only for field trips and sports trips and would not require faster charging).

See charts below outlining the demand profiles and max single bus charging rates below:

Demand Profiles:



**This demand profile represents a randomly selected weekday from the charging model. Demand Peaks fluctuate per day and may be lower or higher than the above.*


Weekly Demand Profile
Demand (kW)
700
600
500
400
300
200
100
0
Monday
Tuesday
Wednesday
Thursday
Friday
Saturday
Sunday

Half Hollow Hills Central School District

BEB Charging Model

Date. 6/28/24

Task Summary		
Bus Data		
Route Buses	49.0	Buses
Spare Buses	10.0	Buses
Contracted Buses	-	Buses
Type A Bus Basis of Design	Lion	
Type C/D Bus Basis of Design	IC, Thomas Built	
Minimum Charger Size Used	0	kW
Maximum Charger Size Used	120	kW
Before Demand Reduction		
Maximum combined bus electrical demand	904.5	kW
Day of Week Max Demand Occurs	Tuesday	
Time Max Demand Occurs Between	9	10
Maximum single bus charging rate for any hour	79	kW
After Demand Reduction		
Maximum combined bus electrical demand	611.1	kW
Day of Week Max Demand Occurs	Tuesday	
Time Max Demand Occurs Between	12	13
Maximum single bus charging rate for any hour	73	kW
Route buses requiring between 100 kW and 120 kW of charge	0	
Route buses requiring between 80 kW and 100 kW of charge	0	
Route buses requiring between 60 kW and 80 kW of charge	1	
Route buses requiring between 40 kW and 60 kW of charge	6	
Route buses requiring between 20 kW and 40 kW of charge	4	
Route buses requiring less than 20 kW of charge	38	
Results		
Demand Reduction Savings	293.3	kW
Load Factor	23%	
Proposed Charger Quantites		
Quantity of 24 kW DC Chargers	16	
Quantity of 60 kW DC Chargers	32	
Quantity of 120 kW DC Chargers	7	
Proposed Route Bus Quantities		
Quantity of Lion Type A 168 kWh Buses	3	
Quantity of IC Type C 210 kWh Buses	39	
Quantity of IC Type C 315 kWh Buses	7	
Proposed Spare Bus Quantites		
Quantity of Lion Type A 168 kWh Buses	2	
Quantity of IC Type C 210 kWh Buses	6	
Quantity of IC Type C 315 kWh Buses	2	

Project Name: Half Hollow Hills BEB Study
Building: Half Hollow Hills Central School District
Date: 6/28/2024

NYS Region: Region 1

Route Info		
Deadhead Miles	10%	
Minutes before Bus Route Begins that Bus is removed from Charger	15	Minutes
Minutes after Bus Route ends that Bus is back on Charger	0	Minutes

Charging Rates		
Minimum Battery Level	10%	
Maximum Battery Level	90%	
Anticipated Degradation	90%	
Charging Rate Safety Factor	90%	
Low Temp Power Factor (kW)	0	

Charger Factors		
Preheating /Precooling in Bus Station Energy	0.5	kWh
Precooling Temp	70	Degrees F
Preheating Temp	40	Degrees F
Minimum Charging for Demand Reduction Safety Factor	10%	
Grid to Charger Efficiency	88%	

Route Analysis Results								
Bus	Bus Size (kWh)	Charger Size (kW)	Max AM Usage Rate (kWh / hr)	Max PM Usage Rate (kWh / hr)	Max PM2 Usage Rate (kWh / hr)	PM Route Usage (kWh)	PM2 Route Usage (kWh)	Notes[1]
2	210	60	33.09	45.15	0.00	112.12	0.00	
8	315	24	21.62	53.64	0.00	155.56	0.00	
9	210	24	25.19	36.77	0.00	101.73	0.00	
10	210	24	33.57	41.62	0.00	100.58	0.00	
11	210	60	37.60	43.93	0.00	142.04	0.00	
12	210	60	36.37	30.37	40.93	48.08	113.91	
17	210	24	34.27	37.53	0.00	101.97	0.00	
18	210	60	39.47	42.74	0.00	127.51	0.00	
20	210	60	35.26	45.81	0.00	148.12	0.00	
21	210	24	34.83	36.66	0.00	100.22	0.00	
22	210	60	40.49	52.98	43.10	36.20	119.25	
24	315	60	27.12	33.55	0.00	167.19	0.00	
27	315	60	30.25	35.52	0.00	196.57	0.00	
28	210	24	28.00	39.78	0.00	100.76	0.00	
29	210	60	31.72	46.74	111.16	74.79	138.95	
30	210	120	41.43	77.47	46.08	142.04	147.46	
31	210	60	32.73	37.92	0.00	122.62	0.00	
32	210	60	33.61	42.31	0.00	136.79	0.00	
33	210	60	37.39	44.62	0.00	122.69	0.00	
34	210	60	30.99	44.21	0.00	128.95	0.00	
35	210	24	26.54	39.63	0.00	103.04	0.00	
36	315	60	26.23	42.59	0.00	198.03	0.00	
37	210	24	27.60	36.94	0.00	99.74	0.00	
41	210	60	33.70	39.75	0.00	109.30	0.00	
42	210	60	34.85	41.15	0.00	107.00	0.00	
43	210	60	24.38	31.81	0.00	85.36	0.00	
44	210	60	35.17	43.73	0.00	123.89	0.00	
45	210	60	41.24	41.59	119.84	71.40	149.80	
46	210	120	31.75	83.92	41.60	139.87	136.57	
47	210	60	29.52	40.21	0.00	107.90	0.00	
48	210	60	33.71	43.67	0.00	117.19	0.00	
49	210	120	38.47	65.06	44.45	108.43	125.20	
50	210	60	40.19	50.28	113.66	71.23	113.66	
51	210	60	32.82	49.42	0.00	137.54	0.00	
53	210	60	50.11	36.34	0.00	104.16	0.00	
54	315	60	23.24	30.59	0.00	194.26	0.00	
57	210	60	24.45	42.73	30.23	71.21	72.55	
58	210	24	33.22	31.14	0.00	83.03	0.00	
59	210	24	29.38	39.01	0.00	114.43	0.00	
65	168	24	41.26	0	0.00	0.00	0.00	
66	315	24	52.54	74.45	0.00	55.84	0.00	
67	168	24	66.92	0	0.00	0.00	0.00	
68	168	24	69.49	0	0.00	0.00	0.00	
71	210	60	37.35	48.89	0.00	144.24	0.00	
73	210	60	42.10	41.17	119.84	63.82	149.80	
74	210	60	34.46	41.60	0.00	110.93	0.00	
76	210	60	31.75	39.66	0.00	120.97	0.00	
78	210	60	35.99	37.81	119.84	63.64	149.80	
93	315	60	43.15	134.29	0.00	167.86	0.00	
Spare - 92	210	0	-	-	0	0.00	0.00	
Spare - 89	210	0	-	-	0	0.00	0.00	
Spare - 79	210	120	-	-	0	0.00	0.00	
Spare - 72	210	0	-	-	0	0.00	0.00	
Spare - 56	210	120	-	-	0	0.00	0.00	
Spare - 55	210	0	-	-	0	0.00	0.00	
Spare - 52	315	120	-	-	0	0.00	0.00	
Spare - 40	315	0	-	-	0	0.00	0.00	
Spare - 26	168	24	-	-	0	0.00	0.00	
Spare - 25	168	24	-	-	0	0.00	0.00	

1. This model assumes that the battery capacities needed for routes that are currently too large will become available and the largest charger size needed for that bus size would be used. Note that these bus sizes **do not** currently exist.

wendel

Project Name: Half Hollow Hills BEB Study
Building: Half Hollow Hills Central School District
Date: 6/28/2024

Bus Data	
Minutes before Bus Route Begins that Bus is removed from Charger	15 Min
Minutes after Bus Route ends that Bus is back on Charger	0 Min

FORMULA INDEX		Charging Schedule												
		First Route					Second Route				Third Route			
Line #	Bus	On Charger AM	Off Charger AM	Bus Leaves Station AM	Bus Arrives at Station AM	On Charger R1	Off Charger R2	Bus Leaves Station R2	Bus Arrives at Station R2	On Charger R2	Off Charger R3	Bus Leaves Station R3	Bus Arrives at Station R3	On Charger R3
1	2	12:00 AM	6:05 AM	6:20 AM	9:05 AM	9:05 AM	1:51 PM	2:06 PM	3:50 PM	3:50 PM	N/A	N/A	N/A	
2	8	12:00 AM	6:05 AM	6:20 AM	9:05 AM	9:05 AM	1:51 PM	2:06 PM	4:15 PM	4:15 PM	N/A	N/A	N/A	
3	9	12:00 AM	6:01 AM	6:16 AM	9:05 AM	9:05 AM	1:51 PM	2:06 PM	4:07 PM	4:07 PM	N/A	N/A	N/A	
4	10	12:00 AM	6:20 AM	6:35 AM	9:05 AM	9:05 AM	2:25 PM	2:40 PM	4:20 PM	4:20 PM	N/A	N/A	N/A	
5	11	12:00 AM	6:01 AM	6:16 AM	9:05 AM	9:05 AM	1:51 PM	2:06 PM	4:35 PM	4:35 PM	N/A	N/A	N/A	
6	12	12:00 AM	6:02 AM	6:17 AM	9:07 AM	9:07 AM	10:25 AM	10:40 AM	11:45 AM	11:45 AM	1:51 PM	2:06 PM	4:08 PM	4:08 PM
7	17	12:00 AM	5:55 AM	6:10 AM	9:05 AM	9:05 AM	1:51 PM	2:06 PM	4:04 PM	4:04 PM	N/A	N/A	N/A	
8	18	12:00 AM	5:54 AM	6:09 AM	9:05 AM	9:05 AM	1:51 PM	2:06 PM	4:20 PM	4:20 PM	N/A	N/A	N/A	
9	20	12:00 AM	5:59 AM	6:14 AM	9:05 AM	9:05 AM	1:51 PM	2:06 PM	4:35 PM	4:35 PM	N/A	N/A	N/A	
10	21	12:00 AM	5:56 AM	6:11 AM	9:05 AM	9:05 AM	1:55 PM	2:10 PM	4:09 PM	4:09 PM	N/A	N/A	N/A	
11	22	12:00 AM	6:05 AM	6:20 AM	7:05 AM	7:05 AM	8:24 AM	8:39 AM	9:05 AM	9:05 AM	1:45 PM	2:00 PM	4:01 PM	4:01 PM
12	24	12:00 AM	6:10 AM	6:25 AM	9:05 AM	9:05 AM	11:35 AM	11:50 AM	3:49 PM	3:49 PM	N/A	N/A	N/A	
13	27	12:00 AM	6:17 AM	6:32 AM	9:05 AM	9:05 AM	11:35 AM	11:50 AM	4:07 PM	4:07 PM	N/A	N/A	N/A	
14	28	12:00 AM	5:51 AM	6:06 AM	9:05 AM	9:05 AM	1:39 PM	1:54 PM	3:56 PM	3:56 PM	N/A	N/A	N/A	
15	29	12:00 AM	6:12 AM	6:27 AM	8:18 AM	8:18 AM	1:51 PM	2:06 PM	3:12 PM	3:12 PM	4:45 PM	5:00 PM	6:00 PM	6:00 PM
16	30	12:00 AM	6:04 AM	6:19 AM	9:05 AM	9:05 AM	10:25 AM	10:40 AM	12:00 PM	12:00 PM	1:51 PM	2:06 PM	4:33 PM	4:33 PM
17	31	12:00 AM	6:13 AM	6:28 AM	9:05 AM	9:05 AM	1:40 PM	1:55 PM	4:24 PM	4:24 PM	N/A	N/A	N/A	
18	32	12:00 AM	6:17 AM	6:32 AM	9:05 AM	9:05 AM	1:51 PM	2:06 PM	4:35 PM	4:35 PM	N/A	N/A	N/A	
19	33	12:00 AM	6:12 AM	6:27 AM	9:05 AM	9:05 AM	1:51 PM	2:06 PM	4:06 PM	4:06 PM	N/A	N/A	N/A	
20	34	12:00 AM	6:15 AM	6:30 AM	9:05 AM	9:05 AM	1:51 PM	2:06 PM	4:16 PM	4:16 PM	N/A	N/A	N/A	
21	35	12:00 AM	6:26 AM	6:41 AM	9:05 AM	9:05 AM	1:51 PM	2:06 PM	3:57 PM	3:57 PM	N/A	N/A	N/A	
22	36	12:00 AM	6:11 AM	6:26 AM	9:05 AM	9:05 AM	1:51 PM	2:06 PM	5:45 PM	5:45 PM	N/A	N/A	N/A	
23	37	12:00 AM	6:13 AM	6:28 AM	9:05 AM	9:05 AM	1:45 PM	2:00 PM	3:57 PM	3:57 PM	N/A	N/A	N/A	
24	41	12:00 AM	6:03 AM	6:18 AM	9:05 AM	9:05 AM	1:51 PM	2:06 PM	4:06 PM	4:06 PM	N/A	N/A	N/A	
25	42	12:00 AM	6:13 AM	6:28 AM	9:05 AM	9:05 AM	1:51 PM	2:06 PM	3:57 PM	3:57 PM	N/A	N/A	N/A	
26	43	12:00 AM	6:04 AM	6:19 AM	10:30 AM	10:30 AM	1:51 PM	2:06 PM	4:02 PM	4:02 PM	N/A	N/A	N/A	
27	44	12:00 AM	6:01 AM	6:16 AM	9:05 AM	9:05 AM	1:51 PM	2:06 PM	4:11 PM	4:11 PM	N/A	N/A	N/A	
28	45	12:00 AM	6:08 AM	6:23 AM	7:45 AM	7:45 AM	1:51 PM	2:06 PM	3:19 PM	3:19 PM	4:45 PM	5:00 PM	6:00 PM	6:00 PM
29	46	12:00 AM	6:18 AM	6:33 AM	9:05 AM	9:05 AM	10:25 AM	10:40 AM	11:50 AM	11:50 AM	1:51 PM	2:06 PM	4:38 PM	4:38 PM
30	47	12:00 AM	6:05 AM	6:20 AM	9:05 AM	9:05 AM	1:39 PM	1:54 PM	3:50 PM	3:50 PM	N/A	N/A	N/A	
31	48	12:00 AM	5:49 AM	6:04 AM	9:05 AM	9:05 AM	1:51 PM	2:06 PM	4:02 PM	4:02 PM	N/A	N/A	N/A	
32	49	12:00 AM	6:11 AM	6:26 AM	9:05 AM	9:05 AM	10:25 AM	10:40 AM	11:50 AM	11:50 AM	1:51 PM	2:06 PM	4:10 PM	4:10 PM
33	50	12:00 AM	7:10 AM	7:25 AM	9:08 AM	9:08 AM	1:50 PM	2:05 PM	3:00 PM	3:00 PM	4:45 PM	5:00 PM	5:45 PM	5:45 PM
34	51	12:00 AM	5:48 AM	6:03 AM	9:05 AM	9:05 AM	N/A	N/A	N/A		N/A	N/A	N/A	
35	53	12:00 AM	6:34 AM	6:49 AM	9:05 AM	9:05 AM	N/A	N/A	N/A		N/A	N/A	N/A	
36	54	12:00 AM	6:10 AM	6:25 AM	9:05 AM	9:05 AM	N/A	N/A	N/A		N/A	N/A	N/A	
37	57	12:00 AM	6:03 AM	6:18 AM	9:05 AM	9:05 AM	N/A	N/A	N/A		N/A	N/A	N/A	
38	58	12:00 AM	6:09 AM	6:24 AM	9:05 AM	9:05 AM	N/A	N/A	N/A		N/A	N/A	N/A	
39	59	12:00 AM	6:27 AM	6:42 AM	9:05 AM	9:05 AM	N/A	N/A	N/A		N/A	N/A	N/A	
40	65	12:00 AM	4:45 PM	5:00 PM	5:30 PM	5:30 PM	N/A	N/A	N/A		N/A	N/A	N/A	
41	66	12:00 AM	9:45 AM	10:00 AM	1:00 PM	1:00 PM	N/A	N/A	N/A		N/A	N/A	N/A	
42	67	12:00 AM	4:45 PM	5:00 PM	5:45 PM	5:45 PM	N/A	N/A	N/A		N/A	N/A	N/A	
43	68	12:00 AM	4:45 PM	5:00 PM	5:45 PM	5:45 PM	N/A	N/A	N/A		N/A	N/A	N/A	
44	71	12:00 AM	6:06 AM	6:21 AM	9:05 AM	9:05 AM	N/A	N/A	N/A		N/A	N/A	N/A	
45	73	12:00 AM	6:08 AM	6:23 AM	7:40 AM	7:40 AM	N/A	N/A	N/A		N/A	N/A	N/A	
46	74	12:00 AM	6:01 AM	6:16 AM	9:05 AM	9:05 AM	N/A	N/A	N/A		N/A	N/A	N/A	
47	76	12:00 AM	6:12 AM	6:27 AM	9:05 AM	9:05 AM	N/A	N/A	N/A		N/A	N/A	N/A	
48	78	12:00 AM	6:23 AM	6:38 AM	8:05 AM	8:05 AM	N/A	N/A	N/A		N/A	N/A	N/A	
49	93	12:00 AM	6:44 AM	6:59 AM	7:40 AM	7:40 AM	N/A	N/A	N/A		N/A	N/A	N/A	

Appendix B.3 – Final Calculations and Models

Half Hollow Hills Central School District

Route Analysis Calculation

Date. 8/29/24

Task Summary		
Bus Data		
Minutes before Bus Route Begins that Bus is removed from Charger	15	Minutes
Minutes after Bus Route ends that Bus is back on Charger	0	Minutes
District Preferred Manufacturer:	IC, Thomas Built	
Number of AM Routes	129	
Number of PM Routes	127	
Number of PM2 Routes	22	
Total Number of Routes	278	
Duration Based		
Maximum Route Energy Usage	198.0	kWh
Maximum Proposed Bus Size	315.0	kW
Maximum Proposed Charger Size	120.0	kW
Minimum charging duration between AM and PM	0:50	Hours: Min
Maximum charging duration between AM and PM	4:43	Hours: Min
Proposed Charger Quantites[1]		
Quantity of 24 kW DC Chargers	16	
Quantity of 60 kW DC Chargers	32	
Quantity of 120 kW DC Chargers	7	
Proposed Route Bus Quantities[2]		
Quantity of Lion Type A 168 kWh Buses	3	
Quantity of IC Type C 210 kWh Buses	39	
Quantity of IC Type C 315 kWh Buses	7	
Proposed Spare Bus Quantites[3]		
Quantity of Lion Type A 168 kWh Buses	2	
Quantity of IC Type C 210 kWh Buses	6	
Quantity of IC Type C 315 kWh Buses	2	

1. Includes Chargers for Contracted Buses

2. Includes Routes that are performed by Contracted Buses

3. Assumes Spare Buses will be replaced with largest EV bus size corresponding with Bus Type and district preferred manufacturers

Project Name: Half Hollow Hills Central School District
Building: Route Analysis Calculation
Date: 8/29/2024

Distance Based							
	Type A			Type B	Type C	Type D	
OEM Rated Efficiency	1.12				1.58	1.94	
Low Battery Usage[1]	1.55			N/A	2.18	2.68	kWh per mile
Low Deadhead Battery Usage	1.24			N/A	1.74	2.14	kWh per mile
Resting Battery Usage (Heat only)	20.00			N/A	20.00	20.00	kWh per hour
High Battery Usage[2]	2.48			N/A	3.48	4.29	kWh per mile
High Deadhead Battery Usage	2.19			N/A	3.08	3.79	kWh per mile

Charging Variables	
Dead Head Miles	10%
Charging Rate Safety Factor	90%
Route Safety Factor	5%
Efficiency Safety Factor (Distance)	11%
Maximum Battery Level	90%
Anticipated Degradation	90%
Minimum Battery Level	10%
Low Temp Power Factor (kW)	0

Notes:
1. Best Case Usage with little/no HVAC usage at Moderate OA Temperatures.
2. Worst Case Usage with extreme cold/heat,traffic/ long stops

			ROUTE INFORMATION															
FORMULA INDEX			AM								PM							
AVG			2	73.38	39.49	32.84		18.04	7.90	15.44	4:17	2	74.89	41.41	30.22		20.11	8.01	17.92	2:02
MAX			4	162.00	60.00	68.87		41.22	14.59	36.00	9:05	5	183.94	75.00	77.41		41.99	18.27	45.00	4:40
MIN			0	16.67	15.00	3.00		6.01	1.00	11.14	1:18	0	8.33	15.00	3.00		4.00	1.04	10.91	1:26
Line #	Bus Type	Bus	Number of AM Routes	AM Active Run Time (Min)	AM Resting Time (Min)	AM Deadhead Run Time (Min)	AM Between Shift Not Charging / Not On (Min)	AM Active Distance (Miles)	AM Deadhead Distance (Miles)	AM Average Speed (mph)	Time Until Next Shift	Number of PM Routes	PM Active Run Time (Min)	PM Resting Time (Min)	PM Deadhead Run Time (Min)	PM Between Shift Not Charging / Not On (Min)	PM Active Distance (Miles)	PM Deadhead Distance (Miles)	PM Average Speed (mph)	Time Until Next Shift2
1	Type C	2	3	83.99	45.00	38.01	43.00	19.59	8.80	13.99	4:46	3	62.76	45.00	31.24	10.00	17.29	10.25	16.53	-
2	Type C	8	2	66.94	30.00	13.06	85.00	13.86	2.81	12.42	4:46	3	84.32	45.00	39.68	5.00	29.13	10.31	20.73	-
3	Type C	9	3	52.13	45.00	68.87	48.00	9.68	11.97	11.14	4:46	3	83.12	45.00	23.88	14.00	18.46	5.72	13.33	-
4	Type C	10	3	52.27	45.00	37.73	60.00	15.63	11.20	17.94	5:20	3	61.81	45.00	38.19	0.00	15.18	9.08	14.74	-
5	Type C	11	3	103.50	45.00	31.50	34.00	25.49	7.79	14.78	4:46	3	105.24	45.00	42.76	1.00	25.45	10.29	14.51	-
6	Type C	12	4	92.42	60.00	46.58	31.00	22.39	11.30	14.54	1:18	2	45.00	30.00	5.00	15.00	9.36	1.04	12.48	2:06
7	Type C	17	3	97.09	45.00	34.91	43.00	22.78	8.23	14.08	4:46	3	82.75	45.00	25.25	10.00	18.39	5.88	13.33	-
8	Type C	18	3	101.82	45.00	52.18	22.00	24.41	12.49	14.39	4:46	3	100.70	45.00	33.30	0.00	23.18	8.36	13.81	-
9	Type C	20	3	96.36	45.00	39.64	35.00	22.26	9.22	13.86	4:46	3	96.06	45.00	52.94	0.00	24.45	13.30	15.27	-
10	Type C	21	3	79.46	45.00	53.54	41.00	19.00	12.97	14.35	4:50	3	83.16	45.00	30.84	5.00	17.33	6.53	12.50	-
11	Type C	22	1	31.70	15.00	13.30	0.00	7.03	2.95	13.31	1:19	1	11.49	15.00	14.51	0.00	4.00	5.05	20.88	4:40
12	Type C	24	3	58.65	45.00	29.35	72.00	14.94	6.90	15.28	2:30	4	134.53	60.00	27.47	77.00	33.81	6.99	15.08	-
13	Type C	27	3	77.36	45.00	27.64	48.00	17.42	6.31	13.51	2:30	5	183.94	75.00	66.06	7.00	33.50	14.80	10.93	-
14	Type C	28	2	59.84	30.00	46.16	73.00	14.02	11.06	14.06	4:34	2	58.91	30.00	36.09	27.00	15.58	10.31	15.86	-
15	Type C	29	3	57.96	45.00	19.04	34.00	14.33	4.43	14.84	5:33	2	36.42	30.00	29.58	0.00	10.26	8.29	16.90	1:33
16	Type C	30	3	94.46	45.00	59.54	12.00	22.64	14.59	14.38	1:20	2	54.00	30.00	6.00	20.00	32.76	3.64	36.40	1:51
17	Type C	31	3	90.55	45.00	27.45	39.00	20.28	6.29	13.44	4:35	3	93.83	45.00	55.17	0.00	19.34	11.18	12.37	-
18	Type C	32	3	80.12	45.00	35.88	37.00	18.51	8.50	13.86	4:46	3	71.59	45.00	77.41	0.00	16.96	18.27	14.21	-
19	Type C	33	3	70.41	45.00	44.59	43.00	18.58	13.25	15.83	4:46	3	76.61	45.00	40.39	3.00	19.94	10.53	15.62	-
20	Type C	34	3	67.92	45.00	40.08	47.00	15.70	9.33	13.87	4:46	3	67.38	45.00	56.62	6.00	17.82	14.86	15.87	-
21	Type C	35	3	66.61	45.00	21.39	56.00	14.53	4.55	13.09	4:46	3	58.40	45.00	44.60	8.00	14.90	10.15	15.31	-
22	Type C	36	3	60.49	45.00	43.51	55.00	11.92	9.24	11.82	4:46	4	111.75	60.00	23.25	84.00	41.99	7.27	22.55	-
23	Type C	37	3	54.70	45.00	46.30	56.00	12.09	10.21	13.26	4:40	3	55.71	45.00	44.29	17.00	13.15	11.11	14.16	-
24	Type C	41	3	68.75	45.00	56.25	42.00	16.22	13.62	14.15	4:46	3	62.58	45.00	47.42	10.00	15.15	11.80	14.53	-
25	Type C	42	3	85.75	45.00	38.25	33.00	19.89	8.92	13.92	4:46	3	85.20	45.00	25.80	0.00	19.26	6.45	13.56	-
26	Type C	43	4	91.46	60.00	20.54	139.00	24.12	5.33	15.82	3:21	3	85.75	45.00	13.25	17.00	16.37	3.02	11.45	-
27	Type C	44	3	87.90	45.00	45.10	36.00	20.64	10.58	14.09	4:46	3	80.53	45.00	42.47	2.00	20.41	10.37	15.21	-
28	Type C	45	2	45.01	30.00	36.99	0.00	10.44	8.76	13.92	6:06	2	39.43	30.00	33.57	0.00	9.66	7.92	14.70	1:26
29	Type C	46	3	83.74	45.00	29.26	39.00	18.49	6.47	13.25	1:20	2	45.00	30.00	5.00	20.00	32.22	3.58	42.96	2:01
30	Type C	47	3	61.96	45.00	55.04	48.00	13.66	11.64	13.23	4:34	3	71.79	45.00	38.21	6.00	15.44	11.04	12.91	-
31	Type C	48	3	103.51	45.00	30.49	47.00	24.14	7.10	14.00	4:46	3	95.65	45.00	20.35	0.00	22.54	5.89	14.14	-
32	Type C	49	3	98.99	45.00	40.01	20.00	23.25	9.29	14.09	1:20	2	45.00	30.00	5.00	20.00	24.39	2.71	32.52	2:01
33	Type C	50	2	16.67	30.00	28.33	58.00	10.00	13.00	36.00	4:42	2	8.33	30.00	16.67	30.00	6.00	12.00	43.20	1:45
34	Type C	51	3	102.98	45.00	31.02	48.00	23.42	7.05	13.65	4:46	3	88.34	45.00	33.66	0.00	24.55	9.91	16.67	-
35	Type C	53	3	105.01	45.00	22.99	8.00	31.26	6.53	17.86	4:45	3	72.97	45.00	9.03	45.00	21.90	2.59	18.00	-
36	Type C	54	2	44.60	30.00	33.40	82.00	10.38	7.78	13.96	1:40	5	182.98	75.00	60.02	63.00	34.31	13.17	11.25	-
37	Type C	57	2	60.43	30.00	31.57	75.00	13.11	6.76	13.02	1:20	2	45.00	30.00	5.00	20.00	15.12	1.68	20.16	2:01
38	Type C	58	3	96.83	45.00	27.17	37.00	21.43	6.18	13.28	4:50	3	88.04	45.00	14.96	12.00	16.00	2.72	10.91	-
39	Type C	59	3	71.41	45.00	20.59	51.00	16.59	4.84	13.94	4:46	3	76.21	45.00	41.79	13.00	17.77	10.43	13.99	-
40	Type A	65	1	27.00	15.00	3.00	0.00	9.00	1.00	20.00	-	0	-	-	-	-	-	-	-	-
41	Type C	66	1	162.00	15.00	18.00	0.00	41.22	4.58	15.27	3:45	1	27.00	15.00	3.00	0.00	12.60	1.40	28.00	-
42	Type A	67	1	40.50	15.00	4.50	0.00	21.60	2.40	32.00	-	0	-	-	-	-	-	-	-	-
43	Type A	68	1	40.50	15.00	4.50	0.00	22.50	2.50	33.33	-	0	-	-	-	-	-	-	-	-
44	Type C	71	3	97.39	45.00	37.61	29.00	23.35	8.96	14.39	4:46	3	96.87	45.00	35.13	0.00	26.09	10.24	16.16	-
45	Type C	73	2	41.97	30.00	34.03	1.00	10.31	8.31	14.74	6:11	2	39.72	30.00	16.28	7.00	10.64	4.46	16.07	1:36
46	Type C	74	3	97.55	45.00	31.45	40.00	22.81	7.35	14.03	4:46	3	92.21	45.00	22.79	0.00	20.93	5.77	13.62	-
47	Type C	76	3	82.66	45.00	36.34	39.00	17.97	8.03	13.04	4:29	3	83.25	45.00	40.75	14.00	18.63	11.48	13.43	-
48	Type C	78	2	60.00	30.00	6.00	21.00	15.01	1.49	15.01	5:46	2	59.43	30.00	9.57	2.00	12.51	2.29	12.63	1:28
49	Type C	93	1	24.53	15.00	16.47	0.00	6.01	4.04	14.70	9:05	1	54.00	15.00	6.00	0.00	40.50	4.50	45.00	-
50	Type C	Spare - 92	0	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-
51	Type C	Spare - 89	0	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-
52	Type C	Spare - 79	0	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-
53	Type C	Spare - 72	0	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-
54	Type C	Spare - 56	0	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-
55	Type C	Spare - 55	0	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-
56	Type C	Spare - 52	0	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-
57	Type C	Spare - 40	0	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-
58	Type A	Spare - 26	0	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-
59	Type A	Spare - 25	0	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-

Project Name:
Building: Half Hollow Hills Central School District
Route Analysis Calculation
Date: 8/29/2024

Bus Manufacturer	Bus Type	Bus Battery Size (kWh)	Max Battery Usage (kWh)
Bluebird	0	0	0
Lion	Type A	168	120.96
BYD	0	0	0
Collins	0	0	0
Greenpower	0	0	0
Lightning eMotors	0	0	0
Bluebird	0	0	0
Lion			
IC	Type C	210	151.2
IC	Type C	315	226.8
Thomas	Type C	244	175.68
Bluebird	0	0	0
Lion			
BYD	0	0	0
Greenpower	0	0	0

Manufacturer	Include?
Bluebird	No
BYD	No
Collins	No
Greenpower	No
Lightning eMotors	No
Lion	Yes
Motiv	No
IC	Yes
Thomas	Yes

Charger Size	Charger kW
Large	120
Medium Large	90
Medium	60
Small	24

FORMULA INDEX			PM 2								AM						
		AVG	0	68.30	30.00	25.06		25.97	7.22	25.56	84.97	68.69	0:52	1:09	1:44	4:21	
		MAX	3	115.10	45.00	68.20		36.00	16.54	40.00	170.75	107.81	1:17	1:43	2:35	6:29	120
		MIN	0	40.50	15.00	4.50		11.13	3.00	12.25	0.00	21.17	0:10	0:13	0:20	0:50	24
Line #	Bus Type	Bus	Number of PM2 Routes	PM2 Active Run Time (Min)	PM2 Resting Time (Min)	PM2 Deadhead Run Time (Min)	PM2 Between Shift Not Charging / Not On (Min)	PM2 Active Distance (Miles)	PM2 Deadhead Distance (Miles)	PM2 Average Speed (mph)	AM High Energy Usage (kWh)	AM Low Energy Usage (kWh)	AM Min Charging Duration Hrs Needed to Perform PM Route (Large)	AM Min Charging Duration Hrs Needed to Perform PM Route (Med Large)	AM Min Charging Duration Hrs Needed to Perform PM Route(Medium)	AM Min Charging Duration Hrs Needed to Perform PM Route (Small)	Required Charging Size (kW)
1	Type C	2	0	-	-	-	-	-	-	-	115.81	76.59	1:02	1:23	2:04	5:11	60
2	Type C	8	0	-	-	-	-	-	-	-	70.26	47.31	0:39	0:52	1:18	3:15	24
3	Type C	9	0	-	-	-	-	-	-	-	89.84	59.75	0:49	1:06	1:39	4:09	24
4	Type C	10	0	-	-	-	-	-	-	-	109.09	71.93	0:55	1:14	1:51	4:39	24
5	Type C	11	0	-	-	-	-	-	-	-	134.12	88.23	1:14	1:39	2:29	6:12	60
6	Type C	12	3	87.89	45.00	34.11	0.00	19.79	7.99	13.51	139.40	92.83	0:26	0:35	0:53	2:13	60
7	Type C	17	0	-	-	-	-	-	-	-	125.64	82.85	0:56	1:15	1:53	4:43	24
8	Type C	18	0	-	-	-	-	-	-	-	145.37	94.36	1:10	1:34	2:21	5:54	60
9	Type C	20	0	-	-	-	-	-	-	-	126.93	83.46	1:10	1:34	2:21	5:52	60
10	Type C	21	0	-	-	-	-	-	-	-	127.14	82.87	0:55	1:14	1:51	4:38	24
11	Type C	22	3	76.32	45.00	44.68	0.00	17.57	12.15	13.81	40.49	26.71	No Mid-Day Charging	No Mid-Day Charging	No Mid-Day Charging	No Mid-Day Charging	24
12	Type C	24	0	-	-	-	-	-	-	-	92.65	62.49	0:51	1:08	1:42	4:17	60
13	Type C	27	0	-	-	-	-	-	-	-	99.83	67.08	0:55	1:13	1:50	4:37	60
14	Type C	28	0	-	-	-	-	-	-	-	97.53	62.76	0:54	1:12	1:48	4:30	24
15	Type C	29	1	54.00	15.00	6.00	0.00	33.30	3.70	37.00	82.47	56.60	0:10	0:13	0:20	0:50	24
16	Type C	30	3	115.10	45.00	23.90	8.00	30.07	6.74	15.67	145.70	94.16	1:17	1:43	2:35	6:29	120
17	Type C	31	0	-	-	-	-	-	-	-	110.21	73.57	1:01	1:21	2:02	5:06	60
18	Type C	32	0	-	-	-	-	-	-	-	110.91	73.59	1:01	1:22	2:03	5:08	60
19	Type C	33	0	-	-	-	-	-	-	-	126.51	82.43	1:08	1:30	2:16	5:40	60
20	Type C	34	0	-	-	-	-	-	-	-	103.31	68.68	0:57	1:16	1:54	4:46	60
21	Type C	35	0	-	-	-	-	-	-	-	83.60	57.28	0:46	1:01	1:32	3:52	24
22	Type C	36	0	-	-	-	-	-	-	-	89.20	59.87	0:49	1:06	1:39	4:07	24
23	Type C	37	0	-	-	-	-	-	-	-	92.93	62.02	0:51	1:08	1:43	4:18	24
24	Type C	41	0	-	-	-	-	-	-	-	119.08	77.71	1:00	1:20	2:01	5:03	60
25	Type C	42	0	-	-	-	-	-	-	-	117.31	77.51	0:59	1:19	1:58	4:57	60
26	Type C	43	0	-	-	-	-	-	-	-	126.39	85.84	0:47	1:03	1:34	3:57	60
27	Type C	44	0	-	-	-	-	-	-	-	125.43	82.26	1:08	1:31	2:17	5:44	60
28	Type C	45	1	54.00	15.00	6.00	0.00	36.00	4.00	40.00	76.99	50.37	No Mid-Day Charging	No Mid-Day Charging	No Mid-Day Charging	No Mid-Day Charging	24
29	Type C	46	3	79.80	45.00	68.20	4.00	18.42	16.54	13.85	104.26	69.82	0:57	1:17	1:55	4:49	90
30	Type C	47	0	-	-	-	-	-	-	-	103.32	68.24	0:57	1:16	1:54	4:46	60
31	Type C	48	0	-	-	-	-	-	-	-	126.98	83.90	1:05	1:26	2:10	5:25	60
32	Type C	49	3	81.19	45.00	41.81	1.00	20.44	10.74	15.11	130.80	85.86	1:00	1:20	2:00	5:01	120
33	Type C	50	1	40.50	15.00	4.50	0.00	27.00	3.00	40.00	89.09	57.11	0:25	0:34	0:51	2:09	24
34	Type C	51	0	-	-	-	-	-	-	-	124.17	82.15	1:08	1:31	2:17	5:44	60
35	Type C	53	0	-	-	-	-	-	-	-	151.16	99.12	0:57	1:17	1:55	4:49	60
36	Type C	54	0	-	-	-	-	-	-	-	73.60	48.44	0:40	0:54	1:21	3:24	60
37	Type C	57	2	54.50	30.00	34.50	25.00	11.13	6.61	12.25	80.29	52.82	0:39	0:52	1:19	3:17	60
38	Type C	58	0	-	-	-	-	-	-	-	114.05	76.00	0:46	1:01	1:32	3:50	24
39	Type C	59	0	-	-	-	-	-	-	-	92.06	62.51	0:51	1:08	1:42	4:15	24
40	Type A	65	0	-	-	-	-	-	-	-	30.95	21.17	0:17	0:22	0:34	1:25	24
41	Type C	66	0	-	-	-	-	-	-	-	170.75	107.81	0:31	0:41	1:02	2:35	24
42	Type A	67	0	-	-	-	-	-	-	-	66.92	43.47	0:37	0:49	1:14	3:05	24
43	Type A	68	0	-	-	-	-	-	-	-	69.49	45.06	0:38	0:51	1:17	3:13	24
44	Type C	71	0	-	-	-	-	-	-	-	130.10	85.49	1:12	1:36	2:24	6:01	60
45	Type C	73	1	54.00	15.00	6.00	0.00	36.00	4.00	40.00	75.07	49.26	No Mid-Day Charging	No Mid-Day Charging	No Mid-Day Charging	No Mid-Day Charging	24
46	Type C	74	0	-	-	-	-	-	-	-	122.89	81.30	1:01	1:22	2:03	5:08	60
47	Type C	76	0	-	-	-	-	-	-	-	107.41	71.49	0:59	1:19	1:59	4:58	60
48	Type C	78	1	54.00	15.00	6.00	0.00	36.00	4.00	40.00	70.17	47.51	No Mid-Day Charging	No Mid-Day Charging	No Mid-Day Charging	No Mid-Day Charging	24
49	Type C	93	0	-	-	-	-	-	-	-	40.28	26.36	0:22	0:29	0:44	1:51	24
50	Type C	Spare - 92	0	-	-	-	-	-	-	-	0.00	-	-	-	-	-	-
51	Type C	Spare - 89	0	-	-	-	-	-	-	-	0.00	-	-	-	-	-	-
52	Type C	Spare - 79	0	-	-	-	-	-	-	-	0.00	-	-	-	-	-	-
53	Type C	Spare - 72	0	-	-	-	-	-	-	-	0.00	-	-	-	-	-	-
54	Type C	Spare - 56	0	-	-	-	-	-	-	-	0.00	-	-	-	-	-	-
55	Type C	Spare - 55	0	-	-	-	-	-	-	-	0.00	-	-	-	-	-	-
56	Type C	Spare - 52	0	-	-	-	-	-	-	-	0.00	-	-	-	-	-	-
57	Type C	Spare - 40	0	-	-	-	-	-	-	-	0.00	-	-	-	-	-	-
58	Type A	Spare - 26	0	-	-	-	-	-	-	-	0.00	-	-	-	-	-	-
59	Type A	Spare - 25	0	-	-	-	-	-	-	-	0.00	-	-	-	-	-	-

Project Name: Half Hollow Hills Central School District
Building: Route Analysis Calculation
Date: 8/29/2024

FORMULA INDEX			PM							PM2						Results				
		AVG	87.35	75.10	1:09	1:32	2:19	5:48		23.62	83.05	1:11	1:35	2:23	5:57		2:29	105.64	222.46	
		MAX	198.03	130.24	1:50	2:26	3:40	9:10	120	149.80	96.77	1:23	1:50	2:46	6:56	120	4:43	198.03	315.00	
		MIN	0.00	23.62	0:31	0:41	1:02	2:35	24	0.00	48.01	0:40	0:53	1:20	3:21	0	0:50	0.00	168.00	
Line #	Bus Type	Bus	PM High Energy Usage (kWh)	PM Low Energy Usage (kWh)	PM Min Charging Duration Hrs (Large)	PM Min Charging Duration Hrs (Med Large)	PM Min Charging Duration Hrs (Medium)	PM Min Charging Duration Hrs (Small)	Required Charging Size (kW) 2	PM2 High Energy Usage (kWh)	PM2 Low Energy Usage (kWh)	PM2 Min Charging Duration Hrs (Large)	PM2 Min Charging Duration Hrs (Med Large)	PM2 Min Charging Duration Hrs (Medium)	PM2 Min Charging Duration Hrs (Small)	Proposed Charger Size based on Maximum Usage (kW)	Mid-Day Charging Duration	Full Day High Energy Usage (kWh)	Proposed Battery Size based on Maximum Usage (kWh)	Proposed Bus Manufacturer / Size
1	Type C	2	112.12	74.01	1:02	1:23	2:04	5:11	24	0.00	-	-	-	-	-	60	2:04	115.8	210	IC
2	Type C	8	155.56	101.15	1:26	1:55	2:52	7:12	24	0.00	-	-	-	-	-	24	3:15	155.6	315	IC
3	Type C	9	101.73	68.39	0:56	1:15	1:53	4:42	24	0.00	-	-	-	-	-	24	4:09	101.7	210	IC
4	Type C	10	100.58	67.02	0:55	1:14	1:51	4:39	24	0.00	-	-	-	-	-	24	4:39	109.1	210	IC
5	Type C	11	142.04	92.70	1:18	1:45	2:37	6:34	24	0.00	-	-	-	-	-	60	2:29	142.0	210	IC
6	Type C	12	48.08	33.79	1:03	1:24	2:06	5:16	90	113.91	75.56	1:03	1:24	2:06	5:16	60	0:53	139.4	210	IC
7	Type C	17	101.97	68.51	0:56	1:15	1:53	4:43	24	0.00	-	-	-	-	-	24	4:43	125.6	210	IC
8	Type C	18	127.51	83.99	1:10	1:34	2:21	5:54	24	0.00	-	-	-	-	-	60	2:21	145.4	210	IC
9	Type C	20	148.12	95.92	1:22	1:49	2:44	6:51	24	0.00	-	-	-	-	-	60	2:21	148.1	210	IC
10	Type C	21	100.22	67.28	0:55	1:14	1:51	4:38	24	0.00	-	-	-	-	-	24	4:38	127.1	210	IC
11	Type C	22	36.20	23.62	1:06	1:28	2:12	5:31	60	119.25	78.10	1:06	1:28	2:12	5:31	60	Not Needed	119.2	210	IC
12	Type C	24	167.19	111.02	1:32	2:03	3:05	7:44	24	0.00	-	-	-	-	-	60	1:42	167.2	315	IC
13	Type C	27	196.57	129.85	1:49	2:25	3:38	9:06	24	0.00	-	-	-	-	-	60	1:50	196.6	315	IC
14	Type C	28	100.76	64.93	0:55	1:14	1:51	4:39	24	0.00	-	-	-	-	-	24	4:30	100.8	210	IC
15	Type C	29	74.79	49.08	1:17	1:42	2:34	6:25	120	138.95	88.10	1:17	1:42	2:34	6:25	60	0:50	139.0	210	IC
16	Type C	30	142.04	92.01	1:21	1:49	2:43	6:49	90	147.46	96.77	1:21	1:49	2:43	6:49	120	1:17	147.5	210	IC
17	Type C	31	122.62	80.39	1:08	1:30	2:16	5:40	24	0.00	-	-	-	-	-	60	2:02	122.6	210	IC
18	Type C	32	136.79	87.88	1:16	1:41	2:31	6:19	24	0.00	-	-	-	-	-	60	2:03	136.8	210	IC
19	Type C	33	122.69	80.56	1:08	1:30	2:16	5:40	24	0.00	-	-	-	-	-	60	2:16	126.5	210	IC
20	Type C	34	128.95	83.64	1:11	1:35	2:23	5:58	24	0.00	-	-	-	-	-	60	1:54	129.0	210	IC
21	Type C	35	103.04	68.35	0:57	1:16	1:54	4:46	24	0.00	-	-	-	-	-	24	3:52	103.0	210	IC
22	Type C	36	198.03	130.24	1:50	2:26	3:40	9:10	24	0.00	-	-	-	-	-	60	4:07	198.0	315	IC
23	Type C	37	99.74	66.10	0:55	1:13	1:50	4:37	24	0.00	-	-	-	-	-	24	4:18	99.7	210	IC
24	Type C	41	109.30	71.95	1:00	1:20	2:01	5:03	24	0.00	-	-	-	-	-	60	2:01	119.1	210	IC
25	Type C	42	107.00	71.54	0:59	1:19	1:58	4:57	24	0.00	-	-	-	-	-	60	1:58	117.3	210	IC
26	Type C	43	85.36	58.67	0:47	1:03	1:34	3:57	24	0.00	-	-	-	-	-	60	1:34	126.4	210	IC
27	Type C	44	123.89	81.34	1:08	1:31	2:17	5:44	24	0.00	-	-	-	-	-	60	2:17	125.4	210	IC
28	Type C	45	71.40	47.04	1:23	1:50	2:46	6:56	120	149.80	94.82	1:23	1:50	2:46	6:56	60	Not Needed	149.8	210	IC
29	Type C	46	139.87	90.67	1:15	1:41	2:31	6:19	90	136.57	88.08	1:15	1:41	2:31	6:19	120	1:17	139.9	210	IC
30	Type C	47	107.90	71.22	0:59	1:19	1:59	4:59	24	0.00	-	-	-	-	-	60	1:54	107.9	210	IC
31	Type C	48	117.19	78.02	1:05	1:26	2:10	5:25	24	0.00	-	-	-	-	-	60	2:10	127.0	210	IC
32	Type C	49	108.43	71.18	1:09	1:32	2:19	5:47	90	125.20	82.09	1:09	1:32	2:19	5:47	120	1:00	130.8	210	IC
33	Type C	50	71.23	46.15	1:03	1:24	2:06	5:15	90	113.66	72.43	1:03	1:24	2:06	5:15	60	2:09	113.7	210	IC
34	Type C	51	137.54	89.96	1:16	1:41	2:32	6:22	24	0.00	-	-	-	-	-	60	2:17	137.5	210	IC
35	Type C	53	104.16	70.51	0:57	1:17	1:55	4:49	24	0.00	-	-	-	-	-	60	1:55	151.2	210	IC
36	Type C	54	194.26	128.72	1:47	2:23	3:35	8:59	24	0.00	-	-	-	-	-	60	1:21	194.3	315	IC
37	Type C	57	71.21	48.12	0:40	0:53	1:20	3:21	60	72.55	48.01	0:40	0:53	1:20	3:21	60	1:19	80.3	210	IC
38	Type C	58	83.03	57.28	0:46	1:01	1:32	3:50	24	0.00	-	-	-	-	-	24	3:50	114.0	210	IC
39	Type C	59	114.43	75.42	1:03	1:24	2:07	5:17	24	0.00	-	-	-	-	-	24	4:15	114.4	210	IC
40	Type A	65	0.00	-	-	-	-	-	-	0.00	-	-	-	-	-	24	1:25	30.9	168	Lion
41	Type C	66	55.84	36.60	0:31	0:41	1:02	2:35	24	0.00	-	-	-	-	-	24	2:35	170.8	315	IC
42	Type A	67	0.00	-	-	-	-	-	-	0.00	-	-	-	-	-	24	3:05	66.9	168	Lion
43	Type A	68	0.00	-	-	-	-	-	-	0.00	-	-	-	-	-	24	3:13	69.5	168	Lion
44	Type C	71	144.24	94.08	1:20	1:46	2:40	6:40	24	0.00	-	-	-	-	-	60	2:24	144.2	210	IC
45	Type C	73	63.82	42.96	1:23	1:50	2:46	6:56	120	149.80	94.82	1:23	1:50	2:46	6:56	60	Not Needed	149.8	210	IC
46	Type C	74	110.93	74.13	1:01	1:22	2:03	5:08	24	0.00	-	-	-	-	-	60	2:03	122.9	210	IC
47	Type C	76	120.97	79.30	1:07	1:29	2:14	5:36	24	0.00	-	-	-	-	-	60	1:59	121.0	210	IC
48	Type C	78	63.64	43.27	1:23	1:50	2:46	6:56	120	149.80	94.82	1:23	1:50	2:46	6:56	60	Not Needed	149.8	210	IC
49	Type C	93	167.86	106.02	1:33	2:04	3:06	7:46	24	0.00	-	-	-	-	-	60	1:51	167.9	315	IC
50	Type C	Spare - 92	0.00	-	-	-	-	-	-	0.00	-	-	-	-	-	120	-	0.0	210	IC
51	Type C	Spare - 89	0.00	-	-	-	-	-	-	0.00	-	-	-	-	-	0	-	0.0	210	IC
52	Type C	Spare - 79	0.00	-	-	-	-	-	-	0.00	-	-	-	-	-	120	-	0.0	210	IC
53	Type C	Spare - 72	0.00	-	-	-	-	-	-	0.00	-	-	-	-	-	0	-	0.0	210	IC
54	Type C	Spare - 56	0.00	-	-	-	-	-	-	0.00	-	-	-	-	-	120	-	0.0	210	IC
55	Type C	Spare - 55	0.00	-	-	-	-	-	-	0.00	-	-	-	-	-	0	-	0.0	210	IC
56	Type C	Spare - 52	0.00	-	-	-	-	-	-	0.00	-	-	-	-	-	120	-	0.0	315	IC
57	Type C	Spare - 40	0.00	-	-	-	-	-	-	0.00	-	-	-	-	-	0	-	0.0	315	IC
58	Type A	Spare - 26	0.00	-	-	-	-	-	-	0.00	-	-	-	-	-	24	-	0.0	168	Lion
59	Type A	Spare - 25	0.00	-	-	-	-	-	-	0.00	-	-	-	-	-	24	-	0.0	168	Lion

Minimum Required Electric Bus Sizes

Bus Number	Bus Type	Full Day High Energy Usage (kWh)	Minimum Bus Size based on Maximum Energy Usage (kWh)	Minimum Bus Size Available Based on Current Manufacturers	Proposed Bus Size and Type Based on District Preferences	Recommended Charger Size Based on Currently Available Technology	Maximum Charger Size Needed
2	Type C	115.81	161	210 kWh - IC	210 kWh - IC	60 kW	26 kW
8	Type C	155.56	216	315 kWh - IC	315 kWh - IC	24 kW	22 kW
9	Type C	101.73	141	155 kWh - Bluebird	210 kWh - IC	24 kW	21 kW
10	Type C	109.09	152	155 kWh - Bluebird	210 kWh - IC	24 kW	21 kW
11	Type C	142.04	197	210 kWh - IC	210 kWh - IC	60 kW	31 kW
12	Type C	139.40	194	210 kWh - IC	210 kWh - IC	60 kW	60 kW
17	Type C	125.64	174	210 kWh - IC	210 kWh - IC	24 kW	24 kW
18	Type C	145.37	202	210 kWh - IC	210 kWh - IC	60 kW	30 kW
20	Type C	148.12	206	210 kWh - IC	210 kWh - IC	60 kW	30 kW
21	Type C	127.14	177	210 kWh - IC	210 kWh - IC	24 kW	23 kW
22	Type C	119.25	166	210 kWh - IC	210 kWh - IC	60 kW	45 kW
24	Type C	167.19	232	315 kWh - IC	315 kWh - IC	60 kW	41 kW
27	Type C	196.57	273	315 kWh - IC	315 kWh - IC	60 kW	44 kW
28	Type C	100.76	140	155 kWh - Bluebird	210 kWh - IC	24 kW	24 kW
29	Type C	138.95	193	210 kWh - IC	210 kWh - IC	60 kW	45 kW
30	Type C	147.46	205	210 kWh - IC	210 kWh - IC	120 kW	120 kW
31	Type C	122.62	170	210 kWh - IC	210 kWh - IC	60 kW	27 kW
32	Type C	136.79	190	210 kWh - IC	210 kWh - IC	60 kW	26 kW
33	Type C	126.51	176	210 kWh - IC	210 kWh - IC	60 kW	29 kW
34	Type C	128.95	179	210 kWh - IC	210 kWh - IC	60 kW	24 kW
35	Type C	103.04	143	155 kWh - Bluebird	210 kWh - IC	24 kW	19 kW
36	Type C	198.03	275	315 kWh - IC	315 kWh - IC	60 kW	31 kW
37	Type C	99.74	139	155 kWh - Bluebird	210 kWh - IC	24 kW	22 kW
41	Type C	119.08	165	210 kWh - IC	210 kWh - IC	60 kW	25 kW
42	Type C	117.31	163	210 kWh - IC	210 kWh - IC	60 kW	25 kW
43	Type C	126.39	176	210 kWh - IC	210 kWh - IC	60 kW	28 kW
44	Type C	125.43	174	210 kWh - IC	210 kWh - IC	60 kW	29 kW
45	Type C	149.80	208	210 kWh - IC	210 kWh - IC	60 kW	60 kW
46	Type C	139.87	194	210 kWh - IC	210 kWh - IC	120 kW	120 kW
47	Type C	107.90	150	155 kWh - Bluebird	210 kWh - IC	60 kW	25 kW
48	Type C	126.98	176	210 kWh - IC	210 kWh - IC	60 kW	27 kW
49	Type C	130.80	182	210 kWh - IC	210 kWh - IC	120 kW	120 kW
50	Type C	113.66	158	210 kWh - IC	210 kWh - IC	60 kW	60 kW
51	Type C	137.54	191	210 kWh - IC	210 kWh - IC	60 kW	29 kW
53	Type C	151.16	210	210 kWh - IC	210 kWh - IC	60 kW	24 kW
54	Type C	194.26	270	315 kWh - IC	315 kWh - IC	60 kW	49 kW
57	Type C	80.29	112	155 kWh - Bluebird	210 kWh - IC	60 kW	60 kW
58	Type C	114.05	158	210 kWh - IC	210 kWh - IC	24 kW	19 kW
59	Type C	114.43	159	210 kWh - IC	210 kWh - IC	24 kW	21 kW
65	Type A	30.95	43	88 kWh - Bluebird	168 kWh - Lion	24 kW	3 kW
66	Type C	170.75	237	315 kWh - IC	315 kWh - IC	24 kW	20 kW
67	Type A	66.92	93	118 kWh - Greenpower	168 kWh - Lion	24 kW	6 kW
68	Type A	69.49	97	118 kWh - Greenpower	168 kWh - Lion	24 kW	6 kW
71	Type C	144.24	200	210 kWh - IC	210 kWh - IC	60 kW	30 kW
73	Type C	149.80	208	210 kWh - IC	210 kWh - IC	60 kW	45 kW
74	Type C	122.89	171	210 kWh - IC	210 kWh - IC	60 kW	26 kW

Minimum Required Electric Bus Sizes

Bus Number	Bus Type	Full Day High Energy Usage (kWh)	Minimum Bus Size based on Maximum Energy Usage (kWh)	Minimum Bus Size Available Based on Current Manufacturers	Proposed Bus Size and Type Based on District Preferences	Recommended Charger Size Based on Currently Available Technology	Maximum Charger Size Needed
76	Type C	120.97	168	210 kWh - IC	210 kWh - IC	60 kW	27 kW
78	Type C	149.80	208	210 kWh - IC	210 kWh - IC	60 kW	45 kW
93	Type C	167.86	233	315 kWh - IC	315 kWh - IC	60 kW	25 kW
Spare - 92	Type C	0.00	0	155 kWh - Bluebird	210 kWh - IC	120 kW	120 kW
Spare - 89	Type C	0.00	0	155 kWh - Bluebird	210 kWh - IC		0 kW
Spare - 79	Type C	0.00	0	155 kWh - Bluebird	210 kWh - IC	120 kW	120 kW
Spare - 72	Type C	0.00	0	155 kWh - Bluebird	210 kWh - IC		0 kW
Spare - 56	Type C	0.00	0	155 kWh - Bluebird	210 kWh - IC	120 kW	120 kW
Spare - 55	Type C	0.00	0	155 kWh - Bluebird	210 kWh - IC		0 kW
Spare - 52	Type C	0.00	0	155 kWh - Bluebird	315 kWh - IC	120 kW	120 kW
Spare - 40	Type C	0.00	0	155 kWh - Bluebird	315 kWh - IC		0 kW
Spare - 26	Type A	0.00	0	88 kWh - Bluebird	168 kWh - Lion	24 kW	0 kW
Spare - 25	Type A	0.00	0	88 kWh - Bluebird	168 kWh - Lion	24 kW	0 kW

Half Hollow Hills Central School District

BEB Charging Model

Date. 8/29/24

Task Summary		
Bus Data		
Route Buses	49.0	Buses
Spare Buses	10.0	Buses
Contracted Buses	-	Buses
Type A Bus Basis of Design	Lion	
Type C/D Bus Basis of Design	IC, Thomas Built	
Minimum Charger Size Used	0	kW
Maximum Charger Size Used	120	kW
Before Demand Reduction		
Maximum combined bus electrical demand	904.5	kW
Day of Week Max Demand Occurs	Tuesday	
Time Max Demand Occurs Between	9	10
Maximum single bus charging rate for any hour	79	kW
After Demand Reduction		
Maximum combined bus electrical demand	611.1	kW
Day of Week Max Demand Occurs	Tuesday	
Time Max Demand Occurs Between	12	13
Maximum single bus charging rate for any hour	73	kW
Route buses requiring between 100 kW and 120 kW of charge	0	
Route buses requiring between 80 kW and 100 kW of charge	0	
Route buses requiring between 60 kW and 80 kW of charge	1	
Route buses requiring between 40 kW and 60 kW of charge	6	
Route buses requiring between 20 kW and 40 kW of charge	4	
Route buses requiring less than 20 kW of charge	38	
Results		
Demand Reduction Savings	293.3	kW
Load Factor	23%	
Proposed Charger Quantites		
Quantity of 24 kW DC Chargers	16	
Quantity of 60 kW DC Chargers	32	
Quantity of 120 kW DC Chargers	7	
Proposed Route Bus Quantities		
Quantity of Lion Type A 168 kWh Buses	3	
Quantity of IC Type C 210 kWh Buses	39	
Quantity of IC Type C 315 kWh Buses	7	
Proposed Spare Bus Quantites		
Quantity of Lion Type A 168 kWh Buses	2	
Quantity of IC Type C 210 kWh Buses	6	
Quantity of IC Type C 315 kWh Buses	2	

Project Name: Half Hollow Hills BEB Study
Building: Half Hollow Hills Central School District
Date: 8/29/2024

Bus Data	
Minutes before Bus Route Begins that Bus is removed from Charger	15 Min
Minutes after Bus Route ends that Bus is back on Charger	0 Min

FORMULA INDEX		Charging Schedule											
		First Route					Second Route				Third Route			
Line #	Bus	On Charger AM	Off Charger AM	Bus Leaves Station AM	Bus Arrives at Station AM	On Charger R1	Off Charger R2	Bus Leaves Station R2	Bus Arrives at Station R2	On Charger R2	Off Charger R3	Bus Leaves Station R3	Bus Arrives at Station R3	On Charger R3
1	2	12:00 AM	6:05 AM	6:20 AM	9:05 AM	9:05 AM	1:51 PM	2:06 PM	3:50 PM	3:50 PM	N/A	N/A	N/A	
2	8	12:00 AM	6:05 AM	6:20 AM	9:05 AM	9:05 AM	1:51 PM	2:06 PM	4:15 PM	4:15 PM	N/A	N/A	N/A	
3	9	12:00 AM	6:01 AM	6:16 AM	9:05 AM	9:05 AM	1:51 PM	2:06 PM	4:07 PM	4:07 PM	N/A	N/A	N/A	
4	10	12:00 AM	6:20 AM	6:35 AM	9:05 AM	9:05 AM	2:25 PM	2:40 PM	4:20 PM	4:20 PM	N/A	N/A	N/A	
5	11	12:00 AM	6:01 AM	6:16 AM	9:05 AM	9:05 AM	1:51 PM	2:06 PM	4:35 PM	4:35 PM	N/A	N/A	N/A	
6	12	12:00 AM	6:02 AM	6:17 AM	9:07 AM	9:07 AM	10:25 AM	10:40 AM	11:45 AM	11:45 AM	1:51 PM	2:06 PM	4:08 PM	4:08 PM
7	17	12:00 AM	5:55 AM	6:10 AM	9:05 AM	9:05 AM	1:51 PM	2:06 PM	4:04 PM	4:04 PM	N/A	N/A	N/A	
8	18	12:00 AM	5:54 AM	6:09 AM	9:05 AM	9:05 AM	1:51 PM	2:06 PM	4:20 PM	4:20 PM	N/A	N/A	N/A	
9	20	12:00 AM	5:59 AM	6:14 AM	9:05 AM	9:05 AM	1:51 PM	2:06 PM	4:35 PM	4:35 PM	N/A	N/A	N/A	
10	21	12:00 AM	5:56 AM	6:11 AM	9:05 AM	9:05 AM	1:55 PM	2:10 PM	4:09 PM	4:09 PM	N/A	N/A	N/A	
11	22	12:00 AM	6:05 AM	6:20 AM	7:05 AM	7:05 AM	8:24 AM	8:39 AM	9:05 AM	9:05 AM	1:45 PM	2:00 PM	4:01 PM	4:01 PM
12	24	12:00 AM	6:10 AM	6:25 AM	9:05 AM	9:05 AM	11:35 AM	11:50 AM	3:49 PM	3:49 PM	N/A	N/A	N/A	
13	27	12:00 AM	6:17 AM	6:32 AM	9:05 AM	9:05 AM	11:35 AM	11:50 AM	4:07 PM	4:07 PM	N/A	N/A	N/A	
14	28	12:00 AM	5:51 AM	6:06 AM	9:05 AM	9:05 AM	1:39 PM	1:54 PM	3:56 PM	3:56 PM	N/A	N/A	N/A	
15	29	12:00 AM	6:12 AM	6:27 AM	8:18 AM	8:18 AM	1:51 PM	2:06 PM	3:12 PM	3:12 PM	4:45 PM	5:00 PM	6:00 PM	6:00 PM
16	30	12:00 AM	6:04 AM	6:19 AM	9:05 AM	9:05 AM	10:25 AM	10:40 AM	12:00 PM	12:00 PM	1:51 PM	2:06 PM	4:33 PM	4:33 PM
17	31	12:00 AM	6:13 AM	6:28 AM	9:05 AM	9:05 AM	1:40 PM	1:55 PM	4:24 PM	4:24 PM	N/A	N/A	N/A	
18	32	12:00 AM	6:17 AM	6:32 AM	9:05 AM	9:05 AM	1:51 PM	2:06 PM	4:35 PM	4:35 PM	N/A	N/A	N/A	
19	33	12:00 AM	6:12 AM	6:27 AM	9:05 AM	9:05 AM	1:51 PM	2:06 PM	4:06 PM	4:06 PM	N/A	N/A	N/A	
20	34	12:00 AM	6:15 AM	6:30 AM	9:05 AM	9:05 AM	1:51 PM	2:06 PM	4:16 PM	4:16 PM	N/A	N/A	N/A	
21	35	12:00 AM	6:26 AM	6:41 AM	9:05 AM	9:05 AM	1:51 PM	2:06 PM	3:57 PM	3:57 PM	N/A	N/A	N/A	
22	36	12:00 AM	6:11 AM	6:26 AM	9:05 AM	9:05 AM	1:51 PM	2:06 PM	5:45 PM	5:45 PM	N/A	N/A	N/A	
23	37	12:00 AM	6:13 AM	6:28 AM	9:05 AM	9:05 AM	1:45 PM	2:00 PM	3:57 PM	3:57 PM	N/A	N/A	N/A	
24	41	12:00 AM	6:03 AM	6:18 AM	9:05 AM	9:05 AM	1:51 PM	2:06 PM	4:06 PM	4:06 PM	N/A	N/A	N/A	
25	42	12:00 AM	6:13 AM	6:28 AM	9:05 AM	9:05 AM	1:51 PM	2:06 PM	3:57 PM	3:57 PM	N/A	N/A	N/A	
26	43	12:00 AM	6:04 AM	6:19 AM	10:30 AM	10:30 AM	1:51 PM	2:06 PM	4:02 PM	4:02 PM	N/A	N/A	N/A	
27	44	12:00 AM	6:01 AM	6:16 AM	9:05 AM	9:05 AM	1:51 PM	2:06 PM	4:11 PM	4:11 PM	N/A	N/A	N/A	
28	45	12:00 AM	6:08 AM	6:23 AM	7:45 AM	7:45 AM	1:51 PM	2:06 PM	3:19 PM	3:19 PM	4:45 PM	5:00 PM	6:00 PM	6:00 PM
29	46	12:00 AM	6:18 AM	6:33 AM	9:05 AM	9:05 AM	10:25 AM	10:40 AM	11:50 AM	11:50 AM	1:51 PM	2:06 PM	4:38 PM	4:38 PM
30	47	12:00 AM	6:05 AM	6:20 AM	9:05 AM	9:05 AM	1:39 PM	1:54 PM	3:50 PM	3:50 PM	N/A	N/A	N/A	
31	48	12:00 AM	5:49 AM	6:04 AM	9:05 AM	9:05 AM	1:51 PM	2:06 PM	4:02 PM	4:02 PM	N/A	N/A	N/A	
32	49	12:00 AM	6:11 AM	6:26 AM	9:05 AM	9:05 AM	10:25 AM	10:40 AM	11:50 AM	11:50 AM	1:51 PM	2:06 PM	4:10 PM	4:10 PM
33	50	12:00 AM	7:10 AM	7:25 AM	9:08 AM	9:08 AM	1:50 PM	2:05 PM	3:00 PM	3:00 PM	4:45 PM	5:00 PM	5:45 PM	5:45 PM
34	51	12:00 AM	5:48 AM	6:03 AM	9:05 AM	9:05 AM	N/A	N/A	N/A		N/A	N/A	N/A	
35	53	12:00 AM	6:34 AM	6:49 AM	9:05 AM	9:05 AM	N/A	N/A	N/A		N/A	N/A	N/A	
36	54	12:00 AM	6:10 AM	6:25 AM	9:05 AM	9:05 AM	N/A	N/A	N/A		N/A	N/A	N/A	
37	57	12:00 AM	6:03 AM	6:18 AM	9:05 AM	9:05 AM	N/A	N/A	N/A		N/A	N/A	N/A	
38	58	12:00 AM	6:09 AM	6:24 AM	9:05 AM	9:05 AM	N/A	N/A	N/A		N/A	N/A	N/A	
39	59	12:00 AM	6:27 AM	6:42 AM	9:05 AM	9:05 AM	N/A	N/A	N/A		N/A	N/A	N/A	
40	65	12:00 AM	4:45 PM	5:00 PM	5:30 PM	5:30 PM	N/A	N/A	N/A		N/A	N/A	N/A	
41	66	12:00 AM	9:45 AM	10:00 AM	1:00 PM	1:00 PM	N/A	N/A	N/A		N/A	N/A	N/A	
42	67	12:00 AM	4:45 PM	5:00 PM	5:45 PM	5:45 PM	N/A	N/A	N/A		N/A	N/A	N/A	
43	68	12:00 AM	4:45 PM	5:00 PM	5:45 PM	5:45 PM	N/A	N/A	N/A		N/A	N/A	N/A	
44	71	12:00 AM	6:06 AM	6:21 AM	9:05 AM	9:05 AM	N/A	N/A	N/A		N/A	N/A	N/A	
45	73	12:00 AM	6:08 AM	6:23 AM	7:40 AM	7:40 AM	N/A	N/A	N/A		N/A	N/A	N/A	
46	74	12:00 AM	6:01 AM	6:16 AM	9:05 AM	9:05 AM	N/A	N/A	N/A		N/A	N/A	N/A	
47	76	12:00 AM	6:12 AM	6:27 AM	9:05 AM	9:05 AM	N/A	N/A	N/A		N/A	N/A	N/A	
48	78	12:00 AM	6:23 AM	6:38 AM	8:05 AM	8:05 AM	N/A	N/A	N/A		N/A	N/A	N/A	
49	93	12:00 AM	6:44 AM	6:59 AM	7:40 AM	7:40 AM	N/A	N/A	N/A		N/A	N/A	N/A	

Project Name: Half Hollow Hills BEB Study
Building: Half Hollow Hills Central School District
Date: 8/29/2024

NYS Region: Region 1

Route Info		
Deadhead Miles	10%	
Minutes before Bus Route Begins that Bus is removed from Charger	15	Minutes
Minutes after Bus Route ends that Bus is back on Charger	0	Minutes

Charging Rates		
Minimum Battery Level	10%	
Maximum Battery Level	90%	
Anticipated Degradation	90%	
Charging Rate Safety Factor	90%	
Low Temp Power Factor (kW)	0	

Charger Factors		
Preheating /Precooling in Bus Station Energy	0.5	kWh
Precooling Temp	70	Degrees F
Preheating Temp	40	Degrees F
Minimum Charging for Demand Reduction Safety Factor	10%	
Grid to Charger Efficiency	88%	

Route Analysis Results								
Bus	Bus Size (kWh)	Charger Size (kW)	Max AM Usage Rate (kWh / hr)	Max PM Usage Rate (kWh / hr)	Max PM2 Usage Rate (kWh / hr)	PM Route Usage (kWh)	PM2 Route Usage (kWh)	Notes[1]
2	210	60	33.09	45.15	0.00	112.12	0.00	
8	315	24	21.62	53.64	0.00	155.56	0.00	
9	210	24	25.19	36.77	0.00	101.73	0.00	
10	210	24	33.57	41.62	0.00	100.58	0.00	
11	210	60	37.60	43.93	0.00	142.04	0.00	
12	210	60	36.37	30.37	40.93	48.08	113.91	
17	210	24	34.27	37.53	0.00	101.97	0.00	
18	210	60	39.47	42.74	0.00	127.51	0.00	
20	210	60	35.26	45.81	0.00	148.12	0.00	
21	210	24	34.83	36.66	0.00	100.22	0.00	
22	210	60	40.49	52.98	43.10	36.20	119.25	
24	315	60	27.12	33.55	0.00	167.19	0.00	
27	315	60	30.25	35.52	0.00	196.57	0.00	
28	210	24	28.00	39.78	0.00	100.76	0.00	
29	210	60	31.72	46.74	111.16	74.79	138.95	
30	210	120	41.43	77.47	46.08	142.04	147.46	
31	210	60	32.73	37.92	0.00	122.62	0.00	
32	210	60	33.61	42.31	0.00	136.79	0.00	
33	210	60	37.39	44.62	0.00	122.69	0.00	
34	210	60	30.99	44.21	0.00	128.95	0.00	
35	210	24	26.54	39.63	0.00	103.04	0.00	
36	315	60	26.23	42.59	0.00	198.03	0.00	
37	210	24	27.60	36.94	0.00	99.74	0.00	
41	210	60	33.70	39.75	0.00	109.30	0.00	
42	210	60	34.85	41.15	0.00	107.00	0.00	
43	210	60	24.38	31.81	0.00	85.36	0.00	
44	210	60	35.17	43.73	0.00	123.89	0.00	
45	210	60	41.24	41.59	119.84	71.40	149.80	
46	210	120	31.75	83.92	41.60	139.87	136.57	
47	210	60	29.52	40.21	0.00	107.90	0.00	
48	210	60	33.71	43.67	0.00	117.19	0.00	
49	210	120	38.47	65.06	44.45	108.43	125.20	
50	210	60	40.19	50.28	113.66	71.23	113.66	
51	210	60	32.82	49.42	0.00	137.54	0.00	
53	210	60	50.11	36.34	0.00	104.16	0.00	
54	315	60	23.24	30.59	0.00	194.26	0.00	
57	210	60	24.45	42.73	30.23	71.21	72.55	
58	210	24	33.22	31.14	0.00	83.03	0.00	
59	210	24	29.38	39.01	0.00	114.43	0.00	
65	168	24	41.26	0	0.00	0.00	0.00	
66	315	24	52.54	74.45	0.00	55.84	0.00	
67	168	24	66.92	0	0.00	0.00	0.00	
68	168	24	69.49	0	0.00	0.00	0.00	
71	210	60	37.35	48.89	0.00	144.24	0.00	
73	210	60	42.10	41.17	119.84	63.82	149.80	
74	210	60	34.46	41.60	0.00	110.93	0.00	
76	210	60	31.75	39.66	0.00	120.97	0.00	
78	210	60	35.99	37.81	119.84	63.64	149.80	
93	315	60	43.15	134.29	0.00	167.86	0.00	
Spare - 92	210	120	-	-	0	0.00	0.00	
Spare - 89	210	0	-	-	0	0.00	0.00	
Spare - 79	210	120	-	-	0	0.00	0.00	
Spare - 72	210	0	-	-	0	0.00	0.00	
Spare - 56	210	120	-	-	0	0.00	0.00	
Spare - 55	210	0	-	-	0	0.00	0.00	
Spare - 52	315	120	-	-	0	0.00	0.00	
Spare - 40	315	0	-	-	0	0.00	0.00	
Spare - 26	168	24	-	-	0	0.00	0.00	
Spare - 25	168	24	-	-	0	0.00	0.00	
			-	-	0	0.00	0.00	

1. This model assumes that the battery capacities needed for routes that are currently too large will become available and the largest charger size needed for that bus size would be used. Note that these bus sizes **do not** currently exist.

wendel

Project Name: Half Hollow Hills BEB Study
Building: Half Hollow Hills Central School District
Date: 8/29/2024
Description: Represents times when bus could be charging Mid-Day (1 or 2)

Days of Week to Exclude:
Saturday
Sunday

Hour Number	Timestamp	Outside dry-bulb temp (F)	Day of the Week	Hours (0-23)	Hours (1-24)	2	8	9	10	11	12	17	18	20	21	22	24	27	28	29	30	31	32	33	34	35	36	37	41	42	43	44	45	46	47	48	49	50	51	53	54	57	58	59	65	66	67	68	71	73	74	76	78	93	Buses In Station
1	1/1 0:00	24	Saturday	0.0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	1/1 1:00	25	Saturday	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	1/1 2:00	25	Saturday	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	1/1 3:00	24	Saturday	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	1/1 4:00	24	Saturday	4	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	1/1 5:00	32	Saturday	5	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	1/1 6:00	33	Saturday	6	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	1/1 7:00	34	Saturday	7	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	1/1 8:00	36	Saturday	8	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	1/1 9:00	39	Saturday	9	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	1/1 10:00	40	Saturday	10	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	1/1 11:00	40	Saturday	11	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	1/1 12:00	42	Saturday	12	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	1/1 13:00	44	Saturday	13	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	1/1 14:00	47	Saturday	14	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	1/1 15:00	46	Saturday	15	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	1/1 16:00	44	Saturday	16	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	1/1 17:00	44	Saturday	17	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	1/1 18:00	44	Saturday	18	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	1/1 19:00	39	Saturday	19	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	1/1 20:00	39	Saturday	20	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	1/1 21:00	41	Saturday	21	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	1/1 22:00	43	Saturday	22	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	1/1 23:00	40	Saturday	23	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	1/2 0:00	28	Sunday	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	1/2 1:00	39	Sunday	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	1/2 2:00	41	Sunday	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	1/2 3:00	40	Sunday	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	1/2 4:00	39	Sunday	4	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	1/2 5:00	40	Sunday	5	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	1/2 6:00	42	Sunday	6	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	1/2 7:00	46	Sunday	7	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	1/2 8:00	48	Sunday	8	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	1/2 9:00	51	Sunday	9	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	1/2 10:00	53	Sunday	10	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	1/2 11:00	55	Sunday	11	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	1/2 12:00	56	Sunday	12	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	1/2 13:00	57	Sunday	13	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	1/2 14:00	53	Sunday	14	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	1/2 15:00	54	Sunday	15	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	1/2 16:00	51	Sunday	16	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	1/2 17:00	52	Sunday	17	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	1/2 18:00	53	Sunday	18	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	1/2 19:00	53	Sunday	19	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45	1/2 20:00	53	Sunday	20	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46	1/2 21:00	52	Sunday	21	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47	1/2 22:00	51	Sunday	22	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	1/2 23:00	51	Sunday	23	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49	1/3 0:00	51	Monday	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	1/3 1:00	51	Monday	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	1/3 2:00	51	Monday	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	1/3 3:00	50	Monday	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	1/3 4:00	50	Monday	4	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	1/3 5:00	50	Monday	5	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	1/3 6:00	50	Monday	6	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	1/3 7:00	50	Monday	7	8	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
57	1/3 8:00	52	Monday	8	9	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
58	1/3 9:00	54	Monday	9	10	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	32	0
59	1/3 10:00	59	Monday	10	11	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	33	0
60	1/3 11:00	60	Monday	11	12	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	32	0
61	1/3 12:00	63	Monday	12	13	1	1	1	1	1	2	1	1	1	1	1	2	3	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	31	0
62	1/3 13:00	57	Monday	13	14	1	1	1	1	1	2	1	1	1	1	1	2	3	0	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	2	1	1	0	0	0	1	0	0	0	0	0	0	0	0	32	0
63	1/3 14:00	54	Monday	14	15	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
64	1/3 15:00	52	Monday	15	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	3	0
65	1/3 16:00	50	Monday	16	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	3	0
66	1/3 17:00	48	Monday	17	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	1/3 18:00	48	Monday	18	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

wendel

Project Name: Half Hollow Hills BEB Study

Building: Half Hollow Hills Central School District

Date: 8/29/2024

Description: Percent of Hour on Charger

Days of Week to Exclude:
Saturday
Sunday

Hour Number	Timestamp	Outside dry-bulb temp (F)	Day of the Week	Hours (0-23)	Hours (1-24)	2	8	9	10	11	12	17	18	20	21	22	24	27	28	29	30	31	32	33	34	35	36	Buses in Station
1	1/1 0:00	24	Saturday	0.0	1	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
2	1/1 1:00	25	Saturday	1	2	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
3	1/1 2:00	25	Saturday	2	3	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
4	1/1 3:00	24	Saturday	3	4	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
5	1/1 4:00	24	Saturday	4	5	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
6	1/1 5:00	32	Saturday	5	6	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
7	1/1 6:00	33	Saturday	6	7	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
8	1/1 7:00	34	Saturday	7	8	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
9	1/1 8:00	36	Saturday	8	9	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
10	1/1 9:00	39	Saturday	9	10	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
11	1/1 10:00	40	Saturday	10	11	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
12	1/1 11:00	40	Saturday	11	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
13	1/1 12:00	42	Saturday	12	13	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
14	1/1 13:00	44	Saturday	13	14	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
15	1/1 14:00	47	Saturday	14	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
16	1/1 15:00	46	Saturday	15	16	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
17	1/1 16:00	44	Saturday	16	17	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
18	1/1 17:00	44	Saturday	17	18	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
19	1/1 18:00	44	Saturday	18	19	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
20	1/1 19:00	39	Saturday	19	20	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
21	1/1 20:00	39	Saturday	20	21	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
22	1/1 21:00	41	Saturday	21	22	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
23	1/1 22:00	43	Saturday	22	23	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
24	1/1 23:00	40	Saturday	23	24	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
25	1/2 0:00	28	Sunday	0	1	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
26	1/2 1:00	39	Sunday	1	2	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
27	1/2 2:00	41	Sunday	2	3	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
28	1/2 3:00	40	Sunday	3	4	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
29	1/2 4:00	39	Sunday	4	5	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
30	1/2 5:00	40	Sunday	5	6	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
31	1/2 6:00	42	Sunday	6	7	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
32	1/2 7:00	46	Sunday	7	8	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
33	1/2 8:00	48	Sunday	8	9	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
34	1/2 9:00	51	Sunday	9	10	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
35	1/2 10:00	53	Sunday	10	11	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
36	1/2 11:00	55	Sunday	11	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
37	1/2 12:00	56	Sunday	12	13	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
38	1/2 13:00	57	Sunday	13	14	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
39	1/2 14:00	53	Sunday	14	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
40	1/2 15:00	54	Sunday	15	16	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
41	1/2 16:00	51	Sunday	16	17	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
42	1/2 17:00	52	Sunday	17	18	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
43	1/2 18:00	53	Sunday	18	19	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
44	1/2 19:00	53	Sunday	19	20	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
45	1/2 20:00	53	Sunday	20	21	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
46	1/2 21:00	52	Sunday	21	22	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
47	1/2 22:00	51	Sunday	22	23	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
48	1/2 23:00	51	Sunday	23	24	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
49	1/3 0:00	51	Monday	0	1	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
50	1/3 1:00	51	Monday	1	2	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
51	1/3 2:00	51	Monday	2	3	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
52	1/3 3:00	50	Monday	3	4	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
53	1/3 4:00	50	Monday	4	5	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
54	1/3 5:00	50	Monday	5	6	100%	100%	100%	100%	100%	100%	92%	90%	98%	93%	100%	100%	100%	85%	100%	100%	100%	100%	100%	100%	100%	100%	49
55	1/3 6:00	50	Monday	6	7	8%	8%	2%	33%	2%	3%	0%	0%	0%	0%	8%	17%	28%	0%	20%	7%	22%	28%	20%	25%	43%	18%	42
56	1/3 7:00	50	Monday	7	8	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	92%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	9
57	1/3 8:00	52	Monday	8	9	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	40%	0%	0%	0%	70%	0%	0%	0%	0%	0%	0%	0%	10
58	1/3 9:00	54	Monday	9	10	92%	92%	92%	92%	92%	88%	92%	92%	92%	92%	92%	92%	92%	92%	100%	92%	92%	92%	92%	92%	92%	92%	48
59	1/3 10:00	59	Monday	10	11	100%	100%	100%	100%	100%	42%	100%	100%	100%	100%	100%	100%	100%	100%	100%	42%	100%	100%	100%	100%	100%	100%	48
60	1/3 11:00	60	Monday	11	12	100%	100%	100%	100%	100%	25%	100%	100%	100%	100%	100%	58%	58%	100%	100%	0%	100%	100%	100%	100%	100%	100%	47
61	1/3 12:00	63	Monday	12	13	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	46
62	1/3 13:00	57	Monday	13	14	85%	85%	85%	100%	85%	85%	85%	85%	85%	92%	75%	0%	0%	65%	85%	85%	67%	85%	85%	85%	85%	85%	47
63	1/3 14:00	54	Monday	14	15	0%	0%	0%	42%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	17
64	1/3 15:00	52	Monday	15	16	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	18%	0%	7%	80%	0%	0%	0%	0%	0%	5%	0%	26
65	1/3 16:00	50	Monday	16	17	100%	75%	88%	67%	42%	87%	93%	67%	42%	85%	98%	100%	88%	100%	75%	45%	60%	42%	90%	73%	100%	0%	48
66	1/3 17:00	48	Monday	17	18	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%	100%	25%	47
67	1/3 18:00	48	Monday	18	19	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
68	1/3 19:00	48	Monday	19	20	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
69	1/3 20:00	49	Monday	20	21	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
70	1/3 21:00	50	Monday	21	22	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
71	1/3 22:00	49	Monday	22	23	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
72	1/3 23:00	50	Monday	23	24	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
73	1/4 0:00	50	Tuesday	0	1	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
74	1/4 1:00	51	Tuesday	1	2	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
75	1/4 2:00	54	Tuesday	2	3	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
76	1/4 3:00	55	Tuesday	3	4	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
77	1/4 4:00	54	Tuesday	4	5	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
78	1/4 5:00	55	Tuesday	5	6	100%	100%	100%	100%	100%	100%	92%	90%	98%	93%	100%	100%	100%	85%	100%	100%	100%	100%	100%	100%	100%	100%	49
79	1/4 6:00	53	Tuesday	6	7	8%	8%	2%	33%	2%	3%	0%	0%	0%	0%	8%	17%	28%	0%	20%	7%	22%	28%	20%	25%	43%	18%	42
80	1/4 7:00	54	Tuesday	7	8	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	92%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	9
81	1/4 8:00	54	Tuesday	8	9	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	40%	0%	0%	0%	70%	0%	0%	0%	0%	0%	0%	0%	10
82	1/4 9:00	54	Tuesday	9	10	92%	92%	92%	92%	92%	88%	92%	92%	92%	92%	92%	92%	92%	92%	100%	92%	92%	92%	92%	92%	92%	92%	48
83	1/4 10:00	55	Tuesday	10	11	100%	100%	100%	100%	100%	42%	100%	100%	100%	100%	100%	100%	100%	100%	100%	42%	100%	100%	100%	100%	100%	100%	48
84	1/4 11:00	56	Tuesday	11	12	100%	100%	100%	100%	100%	25%	100%	100%	100%	100%	100%	58%	58%	100%	100%	0%	100%	100%	100%	100%	100%	100%	47
85	1/4 12:00	55	Tuesday	12	13	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	46
86	1/4 13:00	56	Tuesday	13	14	85%	85%	85%	100%	85%	85%	85%	85%	85%	92%	75%	0%	0%	65%	85%	85%	67%	85%	85%	85%	85%	85%	47
87	1/4 14:00	56	Tuesday	14	15	0%	0%	0%	42%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	17
88	1/4 15:00	56	Tuesday	15	16	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	18%	0%	7%	80%	0%	0%	0%	0%	0%	5%	0%	26
89	1/4 16:00	55	Tuesday	16	17	100%	75%	88%	67%	42%	87%	93%	67%	42%	85%	98%	100%	88%	100%	75%	45%	60%	42%	90%	73%	100%	0%	48
90	1/4 17:00	55	Tuesday	17	18	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%	100%	25%	47
91	1/4 18:00	57	Tuesday	18	19	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
92	1/4 19:00	55	Tuesday	19	20	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49

wendel

Project Name: Half Hollow Hills BEB Study

Building: Half Hollow Hills Central School District

Date: 8/29/2024

Description: Percent of Hour on Charger

Days of Week to Exclude:
Saturday
Sunday

Hour Number	Timestamp	Outside dry-bulb temp (F)	Day of the Week	Hours (0-23)	Hours (1-24)	2	8	9	10	11	12	17	18	20	21	22	24	27	28	29	30	31	32	33	34	35	36	Buses in Station
93	1/4 20:00	51	Tuesday	20	21	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
94	1/4 21:00	50	Tuesday	21	22	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
95	1/4 22:00	50	Tuesday	22	23	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
96	1/4 23:00	49	Tuesday	23	24	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
97	1/5 0:00	46	Wednesday	0	1	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
98	1/5 1:00	45	Wednesday	1	2	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
99	1/5 2:00	42	Wednesday	2	3	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
100	1/5 3:00	42	Wednesday	3	4	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
101	1/5 4:00	41	Wednesday	4	5	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
102	1/5 5:00	39	Wednesday	5	6	100%	100%	100%	100%	100%	100%	92%	90%	98%	93%	100%	100%	100%	85%	100%	100%	100%	100%	100%	100%	100%	100%	49
103	1/5 6:00	37	Wednesday	6	7	8%	8%	2%	33%	2%	3%	0%	0%	0%	0%	8%	17%	28%	0%	20%	7%	22%	28%	20%	25%	43%	18%	42
104	1/5 7:00	36	Wednesday	7	8	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	92%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	9
105	1/5 8:00	36	Wednesday	8	9	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	40%	0%	0%	0%	70%	0%	0%	0%	0%	0%	0%	0%	10
106	1/5 9:00	38	Wednesday	9	10	92%	92%	92%	92%	92%	88%	92%	92%	92%	92%	92%	92%	92%	92%	100%	92%	92%	92%	92%	92%	92%	92%	48
107	1/5 10:00	38	Wednesday	10	11	100%	100%	100%	100%	100%	42%	100%	100%	100%	100%	100%	100%	100%	100%	100%	42%	100%	100%	100%	100%	100%	100%	48
108	1/5 11:00	37	Wednesday	11	12	100%	100%	100%	100%	100%	25%	100%	100%	100%	100%	100%	58%	58%	100%	100%	0%	100%	100%	100%	100%	100%	100%	47
109	1/5 12:00	38	Wednesday	12	13	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	46
110	1/5 13:00	39	Wednesday	13	14	85%	85%	85%	100%	85%	85%	85%	85%	85%	92%	75%	0%	0%	65%	85%	85%	67%	85%	85%	85%	85%	85%	47
111	1/5 14:00	38	Wednesday	14	15	0%	0%	0%	42%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	17
112	1/5 15:00	37	Wednesday	15	16	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	18%	0%	7%	80%	0%	0%	0%	0%	0%	5%	0%	26
113	1/5 16:00	35	Wednesday	16	17	100%	75%	88%	67%	42%	87%	93%	67%	42%	85%	98%	100%	88%	100%	75%	45%	60%	42%	90%	73%	100%	0%	48
114	1/5 17:00	33	Wednesday	17	18	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%	100%	25%	47
115	1/5 18:00	32	Wednesday	18	19	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
116	1/5 19:00	32	Wednesday	19	20	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
117	1/5 20:00	31	Wednesday	20	21	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
118	1/5 21:00	30	Wednesday	21	22	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
119	1/5 22:00	28	Wednesday	22	23	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
120	1/5 23:00	25	Wednesday	23	24	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
121	1/6 0:00	24	Thursday	0	1	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
122	1/6 1:00	21	Thursday	1	2	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
123	1/6 2:00	22	Thursday	2	3	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
124	1/6 3:00	21	Thursday	3	4	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
125	1/6 4:00	19	Thursday	4	5	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
126	1/6 5:00	19	Thursday	5	6	100%	100%	100%	100%	100%	100%	92%	90%	98%	93%	100%	100%	100%	85%	100%	100%	100%	100%	100%	100%	100%	100%	49
127	1/6 6:00	21	Thursday	6	7	8%	8%	2%	33%	2%	3%	0%	0%	0%	0%	8%	17%	28%	0%	20%	7%	22%	28%	20%	25%	43%	18%	42
128	1/6 7:00	24	Thursday	7	8	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	92%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	9
129	1/6 8:00	30	Thursday	8	9	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	40%	0%	0%	0%	70%	0%	0%	0%	0%	0%	0%	0%	10
130	1/6 9:00	33	Thursday	9	10	92%	92%	92%	92%	92%	88%	92%	92%	92%	92%	92%	92%	92%	92%	100%	92%	92%	92%	92%	92%	92%	92%	48
131	1/6 10:00	37	Thursday	10	11	100%	100%	100%	100%	100%	42%	100%	100%	100%	100%	100%	100%	100%	100%	100%	42%	100%	100%	100%	100%	100%	100%	48
132	1/6 11:00	39	Thursday	11	12	100%	100%	100%	100%	100%	25%	100%	100%	100%	100%	100%	58%	58%	100%	100%	0%	100%	100%	100%	100%	100%	100%	47
133	1/6 12:00	41	Thursday	12	13	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	46
134	1/6 13:00	42	Thursday	13	14	85%	85%	85%	100%	85%	85%	85%	85%	85%	92%	75%	0%	0%	65%	85%	85%	67%	85%	85%	85%	85%	85%	47
135	1/6 14:00	41	Thursday	14	15	0%	0%	0%	42%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	17
136	1/6 15:00	41	Thursday	15	16	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	18%	0%	7%	80%	0%	0%	0%	0%	0%	5%	0%	26
137	1/6 16:00	40	Thursday	16	17	100%	75%	88%	67%	42%	87%	93%	67%	42%	85%	98%	100%	88%	100%	75%	45%	60%	42%	90%	73%	100%	0%	48
138	1/6 17:00	40	Thursday	17	18	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%	100%	25%	47
139	1/6 18:00	41	Thursday	18	19	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
140	1/6 19:00	40	Thursday	19	20	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
141	1/6 20:00	38	Thursday	20	21	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
142	1/6 21:00	30	Thursday	21	22	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
143	1/6 22:00	29	Thursday	22	23	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
144	1/6 23:00	28	Thursday	23	24	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
145	1/7 0:00	27	Friday	0	1	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
146	1/7 1:00	28	Friday	1	2	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
147	1/7 2:00	29	Friday	2	3	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
148	1/7 3:00	29	Friday	3	4	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
149	1/7 4:00	28	Friday	4	5	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
150	1/7 5:00	29	Friday	5	6	100%	100%	100%	100%	100%	100%	92%	90%	98%	93%	100%	100%	100%	85%	100%	100%	100%	100%	100%	100%	100%	100%	49
151	1/7 6:00	33	Friday	6	7	8%	8%	2%	33%	2%	3%	0%	0%	0%	0%	8%	17%	28%	0%	20%	7%	22%	28%	20%	25%	43%	18%	42
152	1/7 7:00	36	Friday	7	8	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	92%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	9
153	1/7 8:00	42	Friday	8	9	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	40%	0%	0%	0%	70%	0%	0%	0%	0%	0%	0%	0%	10
154	1/7 9:00	44	Friday	9	10	92%	92%	92%	92%	92%	88%	92%	92%	92%	92%	92%	92%	92%	92%	100%	92%	92%	92%	92%	92%	92%	92%	48
155	1/7 10:00	47	Friday	10	11	100%	100%	100%	100%	100%	42%	100%	100%	100%	100%	100%	100%	100%	100%	100%	42%	100%	100%	100%	100%	100%	100%	48
156	1/7 11:00	48	Friday	11	12	100%	100%	100%	100%	100%	25%	100%	100%	100%	100%	100%	58%	58%	100%	100%	0%	100%	100%	100%	100%	100%	100%	47
157	1/7 12:00	47	Friday	12	13	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	46
158	1/7 13:00	50	Friday	13	14	85%	85%	85%	100%	85%	85%	85%	85%	85%	92%	75%	0%	0%	65%	85%	85%	67%	85%	85%	85%	85%	85%	47
159	1/7 14:00	49	Friday	14	15	0%	0%	0%	42%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	17
160	1/7 15:00	48	Friday	15	16	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	18%	0%	7%	80%	0%	0%	0%	0%	0%	5%	0%	26
161	1/7 16:00	45	Friday	16	17	100%	75%	88%	67%	42%	87%	93%	67%	42%	85%	98%	100%	88%	100%	75%	45%	60%	42%	90%	73%	100%	0%	48
162	1/7 17:00	43	Friday	17	18	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%	100%	25%	47
163	1/7 18:00	40	Friday	18	19	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
164	1/7 19:00	38	Friday	19	20	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
165	1/7 20:00	38	Friday	20	21	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
166	1/7 21:00	36	Friday	21	22	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
167	1/7 22:00	35	Friday	22	23	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49
168	1/7 23:00	34	Friday	23	24	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	49

wendel

Project Name: Half Hollow Hills BEB Study

Building: Half Hollow Hills Central School District

Date: 8/29/2024

Description: Energy Used Per Bus per hour (kWh)

Hour Number	Timestamp	Outside dry-bulb temp (F)	Day of the Week	Hours (0-23)	Hours (1-24)	2	8	9	10	11	12	17	18	20	21	22	24	27	28	29	30	31	32	33	34	35	36	37	41	42	43	44	45	Average Energy Usage Hours
1	1/1 0:00	24	Saturday	0.0	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	1/1 1:00	25	Saturday	1	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	1/1 2:00	25	Saturday	2	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	1/1 3:00	24	Saturday	3	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	1/1 4:00	24	Saturday	4	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	1/1 5:00	32	Saturday	5	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	1/1 6:00	33	Saturday	6	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	1/1 7:00	34	Saturday	7	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	1/1 8:00	36	Saturday	8	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	1/1 9:00	39	Saturday	9	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	1/1 10:00	40	Saturday	10	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	1/1 11:00	40	Saturday	11	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	1/1 12:00	42	Saturday	12	13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	1/1 13:00	44	Saturday	13	14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	1/1 14:00	47	Saturday	14	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	1/1 15:00	46	Saturday	15	16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	1/1 16:00	44	Saturday	16	17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	1/1 17:00	44	Saturday	17	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	1/1 18:00	44	Saturday	18	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	1/1 19:00	39	Saturday	19	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	1/1 20:00	39	Saturday	20	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	1/1 21:00	41	Saturday	21	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	1/1 22:00	43	Saturday	22	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	1/1 23:00	40	Saturday	23	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	1/2 0:00	28	Sunday	0	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	1/2 1:00	39	Sunday	1	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	1/2 2:00	41	Sunday	2	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	1/2 3:00	40	Sunday	3	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	1/2 4:00	39	Sunday	4	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	1/2 5:00	40	Sunday	5	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	1/2 6:00	42	Sunday	6	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32	1/2 7:00	46	Sunday	7	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33	1/2 8:00	48	Sunday	8	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34	1/2 9:00	51	Sunday	9	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	1/2 10:00	53	Sunday	10	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36	1/2 11:00	55	Sunday	11	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37	1/2 12:00	56	Sunday	12	13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38	1/2 13:00	57	Sunday	13	14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39	1/2 14:00	53	Sunday	14	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	1/2 15:00	54	Sunday	15	16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41	1/2 16:00	51	Sunday	16	17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42	1/2 17:00	52	Sunday	17	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43	1/2 18:00	53	Sunday	18	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44	1/2 19:00	53	Sunday	19	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	1/2 20:00	53	Sunday	20	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46	1/2 21:00	52	Sunday	21	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47	1/2 22:00	51	Sunday	22	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48	1/2 23:00	51	Sunday	23	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49	1/3 0:00	51	Monday	0	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	1/3 1:00	51	Monday	1	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51	1/3 2:00	51	Monday	2	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52	1/3 3:00	50	Monday	3	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53	1/3 4:00	50	Monday	4	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54	1/3 5:00	50	Monday	5	6	0.00	0.00	0.00	0.00	0.00	2.01	2.78	0.41	1.63	0.00	0.00	2.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.68
55	1/3 6:00	50	Monday	6	7	21.35	13.95	17.44	15.75	26.03	24.75	24.12	27.78	24.82	24.52	26.13	15.91	15.26	19.71	17.86	27.22	18.05	16.96	21.06	16.36	10.59	15.08	15.22	22.54	19.22	16.02	24.34	25.16	19.51
56	1/3 7:00	50	Monday	7	8	23.29	15.22	17.73	23.63	26.47	25.60	24.12	27.78	24.82	24.52	2.38	19.09	21.30	19.71	22.33	29.17	23.05	23.66	26.32	21.82	18.68	18.47	19.43	23.73	24.53	17.17	24.76	21.78	22.27
57	1/3 8:00	52	Monday	8	9	20.85	13.62	15.87	21.15	23.69	22.91	21.59	24.86	22.21	21.94	20.02	17.08	19.06	17.64	5.99	26.10	20.62	21.17	23.56	19.52	16.72	16.53	17.39	21.23	21.95	15.36	22.15	0.00	19.74
58	1/3 9:00	54	Monday	9	10	1.74	1.13	1.32	1.76	1.97	2.67	1.80	2.07	1.85	1.83	2.78	1.42	1.59	1.47	0.00	2.18	1.72	1.76	1.96	1.63	1.39	1.38	1.45	1.77	1.83	15.36	1.85	0.00	2.29
59	1/3 10:00	59	Monday	10	11	0.00	0.00	0.00	0.00	0.00	11.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.68	0.00	0.00	22.53
60	1/3 11:00	60	Monday	11	12	0.00	0.00	0.00	0.00	0.00	16.03	0.00	0.00	0.00	0.00	0.00	9.84	10.42	0.00	0.00	54.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.75
61	1/3 12:00	63	Monday	12	13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.62	25.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.54
62	1/3 13:00	57	Monday	13	14	4.27	5.07	3.47	0.00	4.15	3.87	3.55	4.04	4.33	1.92	6.79	21.14	22.38	8.77	4.42	4.35	7.96	4.00	4.22	4.18	3.74	4.02	5.82	3.76	3.89	3.01	4.13	3.93	5.67
63	1/3 14:00	54	Monday	14	15	28.44	33.79	23.17	15.30	27.68	25.78	23.65	26.93	28.86	23.10	27.15	21.14	22.38	25.06	29.45	29.03	23.89	26.65	28.11	27.85	24.97	26.83	23.27	25.04	25.93	20.04	27.55	26.20	25.94
64	1/3 15:00	52	Monday	15	16	23.70	33.79	23.17	26.22	27.68	25.78	23.65	26.93	28.86	23.10	27.15	17.26	22.38	23.39	5.89	29.03	23.89	26.65	28.11	27.85	23.72	26.83	22.11	25.04	24.63	20.04	27.55	8.30	24.24
65	1/3 16:00	50	Monday	16	17	0.00	9.44	3.02	9.77	18.04	3.84	1.76	10.03	18.81	3.87	0.51	0.00	2.92	0.00	19.56	17.84	10.68	17.37	3.14	8.30	0.00	29.98	0.00	2.80	0.00	0.75	5.64	21.09	10.18
66	1/3 17:00	48	Monday	17	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	78.26	0.00	0.00	0.00	0.00	0.00	0.00	22.49	0.00	0.00	0.00	0.00	0.00	84.36	47.38
67	1/3 18:00	48	Monday	18	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68	1/3 19:00	48	Monday	19	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69	1/3 20:00	49	Monday	20	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	1/3 21:00	50	Monday	21	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71	1/3 22:00	49	Monday	22	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72	1/3 23:00	50	Monday	23	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
73	1/4 0:00	50	Tuesday	0	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74	1/4 1:00	51	Tuesday	1	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	1/4 2:00	54	Tuesday	2	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76	1/4 3:00	55	Tuesday	3	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

wendel

Project Name: Half Hollow Hills BEB Study

Building: Half Hollow Hills Central School District

Date: 8/29/2024

Description: Energy Used Per Bus per hour (kWh)

Hour Number	Timestamp	Outside dry-bulb temp (F)	Day of the Week	Hours (0-23)	Hours (1-24)	2	8	9	10	11	12	17	18	20	21	22	24	27	28	29	30	31	32	33	34	35	36	37	41	42	43	44	45	Average Energy Usage Hours
103	1/5 6:00	37	Wednesday	6	7	25.84	16.88	21.10	19.07	31.50	29.95	29.19	33.63	30.04	29.68	31.62	19.25	18.47	23.86	21.62	32.95	21.85	20.52	25.49	19.80	12.81	18.25	18.42	27.28	23.26	19.39	29.46	30.45	23.61
104	1/5 7:00	36	Wednesday	7	8	28.19	18.42	21.46	28.60	32.04	30.98	29.19	33.63	30.04	29.68	2.87	23.10	25.77	23.86	27.02	35.30	27.89	28.63	31.86	26.41	22.61	22.35	23.52	28.71	29.69	20.77	29.96	26.35	26.96
105	1/5 8:00	36	Wednesday	8	9	28.19	18.42	21.46	28.60	32.04	30.98	29.19	33.63	30.04	29.68	24.73	23.10	25.77	23.86	8.11	35.30	27.89	28.63	31.86	26.41	22.61	22.35	23.52	28.71	29.69	20.77	29.96	0.00	26.64
106	1/5 9:00	38	Wednesday	9	10	2.35	1.53	1.79	2.38	2.67	3.61	2.43	2.80	2.50	2.47	3.43	1.93	2.15	1.99	0.00	2.94	2.32	2.39	2.65	2.20	1.88	1.86	1.96	2.39	2.47	20.77	2.50	0.00	3.09
107	1/5 10:00	38	Wednesday	10	11	0.00	0.00	0.00	0.00	0.00	13.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	0.00	28.62
108	1/5 11:00	37	Wednesday	11	12	0.00	0.00	0.00	0.00	0.00	17.72	0.00	0.00	0.00	0.00	0.00	10.88	11.52	0.00	0.00	60.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.53
109	1/5 12:00	38	Wednesday	12	13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.10	27.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.83
110	1/5 13:00	39	Wednesday	13	14	5.27	6.26	4.29	0.00	5.13	4.78	4.38	4.99	5.35	2.38	8.38	26.10	27.64	10.83	5.45	5.38	9.84	4.94	5.21	5.16	4.62	4.97	7.18	4.64	4.80	3.71	5.10	4.85	7.01
111	1/5 14:00	38	Wednesday	14	15	35.13	41.73	28.61	18.89	34.18	31.84	29.20	33.25	35.64	28.52	33.53	26.10	27.64	30.94	36.37	35.85	29.51	32.91	34.71	34.40	30.83	33.13	28.74	30.92	32.02	24.75	34.02	32.36	32.03
112	1/5 15:00	37	Wednesday	15	16	29.27	41.73	28.61	32.38	34.18	31.84	29.20	33.25	35.64	28.52	33.53	21.32	27.64	28.88	7.27	35.85	29.51	32.91	34.71	34.40	29.29	33.13	27.30	30.92	30.42	24.75	34.02	10.25	29.93
113	1/5 16:00	35	Wednesday	16	17	0.00	10.43	3.34	10.79	19.94	4.25	1.95	11.08	20.79	4.28	0.56	0.00	3.22	0.00	21.62	19.72	11.80	19.20	3.47	9.17	0.00	33.13	0.00	3.09	0.00	0.82	6.24	23.31	11.36
114	1/5 17:00	33	Wednesday	17	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	86.49	0.00	0.00	0.00	0.00	0.00	0.00	24.85	0.00	0.00	0.00	0.00	0.00	93.23	53.66
115	1/5 18:00	32	Wednesday	18	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
116	1/5 19:00	32	Wednesday	19	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	1/5 20:00	31	Wednesday	20	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
118	1/5 21:00	30	Wednesday	21	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
119	1/5 22:00	28	Wednesday	22	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	1/5 23:00	25	Wednesday	23	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121	1/6 0:00	24	Thursday	0	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122	1/6 1:00	21	Thursday	1	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	1/6 2:00	22	Thursday	2	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124	1/6 3:00	21	Thursday	3	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	1/6 4:00	19	Thursday	4	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	1/6 5:00	19	Thursday	5	6	0.00	0.00	0.00	0.00	0.00	0.00	2.64	3.65	0.54	2.15	0.00	0.00	0.00	3.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.53
127	1/6 6:00	21	Thursday	6	7	25.84	16.88	21.10	19.07	31.50	29.95	29.19	33.63	30.04	29.68	31.62	19.25	18.47	23.86	21.62	32.95	21.85	20.52	25.49	19.80	12.81	18.25	18.42	27.28	23.26	19.39	29.46	30.45	23.61
128	1/6 7:00	24	Thursday	7	8	28.19	18.42	21.46	28.60	32.04	30.98	29.19	33.63	30.04	29.68	2.87	23.10	25.77	23.86	27.02	35.30	27.89	28.63	31.86	26.41	22.61	22.35	23.52	28.71	29.69	20.77	29.96	26.35	26.96
129	1/6 8:00	30	Thursday	8	9	28.19	18.42	21.46	28.60	32.04	30.98	29.19	33.63	30.04	29.68	24.73	23.10	25.77	23.86	8.11	35.30	27.89	28.63	31.86	26.41	22.61	22.35	23.52	28.71	29.69	20.77	29.96	0.00	26.64
130	1/6 9:00	33	Thursday	9	10	2.35	1.53	1.79	2.38	2.67	3.61	2.43	2.80	2.50	2.47	3.43	1.93	2.15	1.99	0.00	2.94	2.32	2.39	2.65	2.20	1.88	1.86	1.96	2.39	2.47	20.77	2.50	0.00	3.09
131	1/6 10:00	37	Thursday	10	11	0.00	0.00	0.00	0.00	0.00	13.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	0.00	28.62
132	1/6 11:00	39	Thursday	11	12	0.00	0.00	0.00	0.00	0.00	17.72	0.00	0.00	0.00	0.00	0.00	10.88	11.52	0.00	0.00	60.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.53
133	1/6 12:00	41	Thursday	12	13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.62	25.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.54
134	1/6 13:00	42	Thursday	13	14	4.77	5.66	3.88	0.00	4.64	4.32	3.96	4.51	4.84	2.15	7.59	23.62	25.01	9.80	4.94	4.87	8.90	4.47	4.71	4.67	4.18	4.50	6.50	4.20	4.35	3.36	4.62	4.39	6.34
135	1/6 14:00	41	Thursday	14	15	31.79	37.76	25.89	17.09	30.93	28.81	26.42	30.09	32.25	25.81	30.34	23.62	25.01	28.00	32.91	32.44	26.70	29.78	31.41	31.13	27.90	29.98	26.01	27.98	28.97	22.39	30.78	29.28	28.99
136	1/6 15:00	41	Thursday	15	16	26.49	37.76	25.89	29.30	30.93	28.81	26.42	30.09	32.25	25.81	30.34	19.29	25.01	26.13	6.58	32.44	26.70	29.78	31.41	31.13	26.50	29.98	24.71	27.98	27.52	22.39	30.78	9.27	27.08
137	1/6 16:00	40	Thursday	16	17	0.00	10.43	3.34	10.79	19.94	4.25	1.95	11.08	20.79	4.28	0.56	0.00	3.22	0.00	21.62	19.72	11.80	19.20	3.47	9.17	0.00	33.13	0.00	3.09	0.00	0.82	6.24	23.31	11.36
138	1/6 17:00	40	Thursday	17	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	86.49	0.00	0.00	0.00	0.00	0.00	0.00	24.85	0.00	0.00	0.00	0.00	0.00	93.23	53.66
139	1/6 18:00	41	Thursday	18	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	1/6 19:00	40	Thursday	19	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	1/6 20:00	38	Thursday	20	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	1/6 21:00	30	Thursday	21	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	1/6 22:00	29	Thursday	22	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	1/6 23:00	28	Thursday	23	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	1/7 0:00	27	Friday	0	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	1/7 1:00	28	Friday	1	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	1/7 2:00	29	Friday	2	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	1/7 3:00	29	Friday	3	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	1/7 4:00	28	Friday	4	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	1/7 5:00	29	Friday	5	6	0.00	0.00	0.00	0.00	0.00	0.00	2.43	3.36	0.50	1.98	0.00	0.00	0.00	3.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.24
151	1/7 6:00	33	Friday	6	7	25.84	16.88	21.10	19.07	31.50	29.95	29.19	33.63	30.04	29.68	31.62	19.25	18.47	23.86	21.62	32.95	21.85	20.52	25.49	19.80	12.81	18.25	18.42	27.28	23.26	19.39	29.46	30.45	23.61
152	1/7 7:00	36	Friday	7	8	28.19	18.42	21.46	28.60	32.04	30.98	29.19	33.63	30.04	29.68	2.87	23.10	25.77	23.86	27.02	35.30	27.89	28.63	31.86	26.41	22.61	22.35	23.52	28.71	29.69	20.77	29.96	26.35	26.96
153	1/7 8:00	42	Friday	8	9	23.29	15.22	17.73	23.63	26.47	25.60	24.12	27.78	24.82	24.52	22.38	19.09	21.30	19.71	6.70	29.17	23.05	23.66	26.32	21.82	18.68	18.47	19.43	23.73	24.53	17.17	24.76	0.00	22.06
154	1/7 9:00	44	Friday	9	10	1.94	1.27	1.48	1.97	2.21	2.99	2.01	2.32	2.07	2.04	3.11	1.59	1.77	1.64	0.00	2.43	1.92	1.97	2.19	1.82	1.56	1.54	1.62	1.98	2.04	17.17	2.06	0.00	2.56
155	1/7 10:00	47	Friday	10	11	0.00	0.00	0.00	0.00	0.00	12.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.58	0.00	0.00	25.17
156	1/7 11:00	48	Friday	11	12	0.00	0.00	0.00	0.00	0.00	16.03	0.00	0.00	0.00	0.00	0.00	9.84	10.42	0.00	0.00	54.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.75
157	1/7 12:00	47	Friday	12	13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.62	25.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.54
158	1/7 13:00	50	Friday	13	14	4.77	5.66	3.88	0.00	4.64	4.32	3.96	4.51	4.84	2.15	7.59	23.62	25.01	9.80	4.94	4.87	8.90	4.47	4.71	4.67	4.18	4.50	6.50	4.20	4.35	3.36	4.62	4.39	6.34
159	1/7 14:00	49	Friday	14	15	31.79	37.76	25.89	17.09	30.93	28.81	26.42	30.09	32.25	25.81	30.34	23.62	25.01	28.00	32.91	32.44	26.70	29.78	31.41	31.13	27.90	29.98	26.01	27.98	28.97	22.39	30.78	29.28	28.99
160	1/7 15:00	48	Friday	15	16	26.49	37.76	25.89	29.30	30.93	28.81	26.42	30.09	32.25	25.81	30.34	19.29	25.01	26.13	6.58	32.44	26.70	29.78	31.41	31.13	26.50	29.98	24.71	27.98	27.52	22.39	30.78	9.27	27.08
161	1/7 16:00	45	Friday	16	17	0.00	9.44	3.02	9.77	18.04	3.84	1.76	10.03	18.81	3.87	0.51	0.00	2.92	0.00	19.56	17.84	10.68	17.37	3.14	8.30	0.00	29.98	0.00	2.80	0.00	0.75	5.64	21.09	10.18
162	1/7 17:00	43	Friday	17	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	78.26	0.00	0.00	0.00	0.00	0.00	0.00	22.49	0.00	0.00	0.00	0.00	0.00	84.36	47.38
163	1/7 18:00	40	Friday	18	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	1/7 19:00	38	Friday	19	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	1/7 20:00	38	Friday	20	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	1/7 21:00	36	Friday	21	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	1/7 22:00	35	Friday	22	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	1/7 23:00	34	Friday	23	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

wendel

Project Name: Hall Hollow Hills BEB Study
Building: Hall Hollow Hills Central School District
Date: 8/29/2024
Description Charge Being Delivered to the Battery (kWh) with Demand Reduction

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Project Name: Half Hollow Hills BEB Study

Building: Half Hollow Hills Central School District

Date: 8/29/2024

Description Remaining Charge (kWh) in the Battery with Demand Reduction

Hour Number	Timestamp	Outside dry-bulb temp (F)	Day of the Week	Hours (0-23)	Hours (1-24)	2	8	9	10	11	12	17	18	20	21	22	24	27	28	29	30	31	32	33	34	35	36	37	41	42	43	44	45	46	47	48	49	50	51	53	54	57	58	59	65	66	67	68	71	73	74	76	78	93	0	Total (All Buses)	Average Battery Charge
1	1/1 0:00	24	Saturday	0	1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
2	1/1 1:00	25	Saturday	1	2	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
3	1/1 2:00	25	Saturday	2	3	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
4	1/1 3:00	24	Saturday	3	4	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
5	1/1 4:00	24	Saturday	4	5	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
6	1/1 5:00	32	Saturday	5	6	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
7	1/1 6:00	33	Saturday	6	7	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
8	1/1 7:00	34	Saturday	7	8	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
9	1/1 8:00	36	Saturday	8	9	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
10	1/1 9:00	40	Saturday	9	10	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
11	1/1 10:00	40	Saturday	10	11	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
12	1/1 11:00	42	Saturday	11	12	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
13	1/1 12:00	42	Saturday	12	13	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
14	1/1 13:00	44	Saturday	13	14	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
15	1/1 14:00	47	Saturday	14	15	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
16	1/1 15:00	46	Saturday	15	16	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
17	1/1 16:00	44	Saturday	16	17	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
18	1/1 17:00	44	Saturday	17	18	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
19	1/1 18:00	44	Saturday	18	19	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
20	1/1 19:00	39	Saturday	19	20	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
21	1/1 20:00	39	Saturday	20	21	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
22	1/1 21:00	41	Saturday	21	22	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
23	1/1 22:00	43	Saturday	22	23	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
24	1/1 23:00	40	Saturday	23	24	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
25	1/2 0:00	28	Sunday	0	1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
26	1/2 1:00	39	Sunday	1	2	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
27	1/2 2:00	41	Sunday	2	3	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
28	1/2 3:00	40	Sunday	3	4	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
29	1/2 4:00	39	Sunday	4	5	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
30	1/2 5:00	40	Sunday	5	6	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
31	1/2 6:00	42	Sunday	6	7	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
32	1/2 7:00	46	Sunday	7	8	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
33	1/2 8:00	48	Sunday	8	9	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
34	1/2 9:00	51	Sunday	9	10	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
35	1/2 10:00	53	Sunday	10	11	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
36	1/2 11:00	55	Sunday	11	12	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
37	1/2 12:00	56	Sunday	12	13	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
38	1/2 13:00	57	Sunday	13	14	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
39	1/2 14:00	53	Sunday	14	15	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
40	1/2 15:00	56	Sunday	15	16	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
41	1/2 16:00	51	Sunday	16	17	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
42	1/2 17:00	52	Sunday	17	18	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
43	1/2 18:00	53	Sunday	18	19	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
44	1/2 19:00	53	Sunday	19	20	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0	8828.19	180.2
45	1/2 20:00	21	Sunday	20	21	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	136.1	255.2	136.1	136.1	170.1	170.1	170.1

Project Name: Half Hollow Hills BEB Study

Building: Half Hollow Hills Central School District

Date: 8/29/2024

Description Remaining Charge (kWh) in the Battery with Demand Reduction

Hour Number	Timestamp	Outside dry-bulb temp (F)	Day of the Week	Hours (0-23)	Hours (1-24)	2	8	9	10	11	12	17	18	20	24	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	53	54	57	58	59	65	66	67	68	71	73	74	76	78	93	0	Total (All Buses)	Average Battery Charge
155	1/7 10:00	47	Friday	10	11	109.2	204.3	113.4	107.9	111.5	69.7	98.2	100.2	116.4	96.8	123.9	199.3	216.1	106.7	127.2	142.1	114.6	119.4	107.2	119.3	117.4	211.9	113.6	105.7	104.7	91.9	107.9	119.8	148.5	113.1	103.4	100.6	109.5	95.6	82.7	213.1	122.8	100.7	113.9	136.1	208.9	121.8	121.3	93.2	139.1	97.6	109.2	136.4	244.8	0.0		
156	1/7 11:00	48	Friday	12	12	116.9	204.3	115.9	111.3	128.9	67.1	106.2	116.4	134.1	104.4	129.1	189.5	214.5	111.6	131.9	87.6	124.7	132.2	119.2	129.3	119.0	217.0	115.4	113.6	112.1	96.2	120.1	146.2	117.3	118.3	114.9	80.4	109.5	101.6	88.7	219.1	128.8	103.1	116.3	136.1	171.9	124.3	123.8	99.2	145.1	103.6	115.2	142.4	250.8	0.0		
157	1/7 12:00	47	Friday	12	13	124.5	204.3	118.5	114.7	146.2	102.6	114.1	132.6	151.9	112.1	134.3	165.9	189.5	116.5	136.6	130.2	134.8	144.9	131.3	139.3	120.6	222.0	117.3	121.5	119.6	100.6	132.4	152.6	137.9	123.4	126.3	114.9	109.5	107.6	94.7	225.1	134.8	105.5	118.7	136.1	134.9	126.8	126.4	105.2	151.1	109.6	121.2	148.4	255.2	0.0		
158	1/7 13:00	50	Friday	14	14	126.3	198.6	116.7	118.1	156.3	128.5	116.9	141.9	162.2	117.0	130.6	142.3	164.5	109.9	135.6	161.5	152.2	151.2	136.9	143.2	117.8	221.9	112.1	124.0	121.6	100.9	138.2	153.6	152.1	116.9	131.5	124.1	108.9	113.7	100.8	228.1	139.4	107.9	119.3	136.1	134.9	125.6	126.1	104.9	154.7	114.9	127.2	154.4	255.2	0.0		
159	1/7 14:00	49	Friday	14	15	94.5	160.9	90.9	102.4	125.4	99.7	90.5	111.8	129.9	91.2	100.2	118.6	139.5	81.9	102.7	129.1	125.5	120.4	105.5	121.4	105.5	212.1	89.9	101.9	98.1	86.1	96.0	92.6	78.5	107.4	124.4	121.8	88.6	100.7	108.1	68.2	119.6	106.7	237.1	146.8	130.8	133.5	136.1	137.3	131.7	131.6	117.2	163.1	121.6	133.2	160.4	255.2	0.0		
160	1/7 15:00	48	Friday	15	16	69.1	123.1	65.0	73.1	94.4	70.9	64.1	81.7	97.7	65.3	69.9	109.3	114.5	57.2	139.3	96.6	79.2	91.7	74.1	80.9	64.4	161.9	62.5	68.0	67.8	56.1	76.6	136.0	102.7	243.1	152.8	112.7	125.9	136.1	139.7	134.2	134.1	123.2	169.1	127.6	139.2	166.4	255.2	0.0		
161	1/7 16:00	45	Friday	16	17	75.1	121.2	68.8	68.3	79.2	73.4	69.5	76.4	81.6	68.1	76.4	115.3	120.4	59.6	160.2	92.8	72.8	77.1	77.2	77.6	66.8	131.9	64.9	72.0	73.1	63.2	76.7	155.4	86.0	72.2	76.0	81.6	112.6	111.6	138.7	249.1	158.8	115.1	128.3	136.1	144.9	142.1	124.3	123.8	129.2	150.1	133.6	145.2	170.1	255.2	0.0		
162	1/7 17:00	43	Friday	17	18	81.1	123.6	71.2	70.7	85.2	79.4	71.9	82.4	87.6	70.5	82.4	121.3	126.4	62.0	82.0	102.8	78.8	83.1	83.2	83.6	69.2	112.2	67.3	78.2	82.7	71.1	98.0	78.2	82.0	95.6	54.6	137.6	124.7	255.1	164.8	117.5	130.7	136.7	144.5	91.4	89.6	135.2	170.1	139.6	151.2	170.1	255.2	0.0		
163	1/7 18:00	40	Friday	18	19	87.1	126.0	73.6	73.1	91.2	85.4	74.3	88.4	93.6	72.9	89.8	127.3	132.4	64.4	89.2	114.8	84.8	89.1	89.2	89.6	71.6	118.2	69.7	84.0	85.8	75.2	88.7	79.2	110.0	84.2	88.0	107.6	60.6	143.6	130.7	255.2	170.1	119.9	133.1	136.1	146.9	93.8	92.0	141.2	170.1	145.6	157.2	170.1	255.2	0.0		
164	1/7 19:00	38	Friday	20	20	93.1	128.4	76.0	75.5	97.2	91.4	76.7	94.4	99.6	75.3	94.4	133.3	138.4	66.8	95.2	126.8	90.8	95.1	95.2	95.6	74.0	124.2	72.1	90.0	91.8	81.2	94.7	85.2	122.0	90.2	94.0	119.6	66.6	149.6	136.7	255.2	170.1	122.3	135.5	121.5	149.3	96.2	94.4	147.2	170.1	151.6	163.2	170.1	255.2	0.0		
165	1/7 20:00	38	Friday	21	21	99.1	130.8	78.4	77.9	103.2	97.4	79.1	100.4	105.6	77.7	100.4	139.3	144.4	69.2	101.2	133.8	96.8	101.1	101.2	101.6	76.4	130.2	74.5	96.0	97.8	87.2	100.7	91.2	134.0	96.2	100.0	131.6	72.6	155.6	142.7	255.2	170.1	124.7	137.9	123.9	151.7	98.6	96.8	153.2	170.1	157.2	169.2	170.1	255.2	0.0		
166	1/7 21:00	36	Friday	21	22	105.1	133.2	80.8	80.3	109.2	103.4	81.5	106.4	111.6	80.1	106.4	145.3	150.4	71.6	107.2	150.8	102.8	107.1	107.2	107.6	78.8	136.2	76.9	102.0	103.8	93.2	106.7	97.2	146.0	102.2	106.0	143.6	78.6	161.6	148.7	255.2	170.1	127.1	140.3	126.3	154.1	101.0	99.2	159.2	170.1	163.6	170.1	170.1	255.2	0.0		
167	1/7 22:00	35	Friday	23	23	111.1	135.6	83.1	82.7	115.2	109.4	83.9	112.4	117.6	82.5	112.4	151.4	156.4	74.0	113.2	156.8	108.8	113.3	113.2	113.6	81.2	142.2	79.1	108.0	109.7	99.2	112.6	103.2	158.0	108.2	112.0	155.6	84.6	167.6	154.7	255.2	170.1	129.5	142.7	128.7	156.5	103.4	101.6	165.2	170.1	169.6	170.1	170.1	255.2	0.0		
168	1/7 23:00	34	Friday	23	24	117.2	138.0	85.6	85.1	121.2	115.4	86.3	118.4	123.6	84.9	118.4	157.3	162.4	76.4	119.2	170.1	114.8	119.5	119.2	119.6	83.6	148.2	81.7	114.0	115.8	105.2	118.7	109.2	170.0	114.2	118.0	167.6	90.6	170.1	160.7	255.2	170.1	131.9	145.1	131.1	158.9	105.8	104.0	168.2	170.1	170.1	170.1	170.1	255.2	0.0		
169	1/8 0:00	34	Saturday	1	1	123.1	140.4	88.0	87.5	127.2	121.4	88.7	124.4	129.6	87.3	124.4	163.3	168.4	78.8	125.2	170.1	120.8	125.1	125.2	125.6	86.0	154.2	84.3	120.0	121.8	111.2	124.7	115.2	170.1	120.2	124.0	170.1	94.6	170.1	166.7	255.2	170.1	138.4	151.5	161.3	108.2	106.4	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
170	1/8 1:00	32	Saturday	1	2	129.1	142.8	90.4	89.9	133.2	127.4	91.1	130.4	135.6	89.7	130.4	169.3	174.4	81.2	131.2	170.1	126.8	131.1	131.2	131.6	88.4	160.2	86.5	126.0	127.8	117.2	130.7	121.2	170.1	126.2	130.0	170.1	102.6	170.1	170.1	255.2	170.1	145.0	158.0	170.1	108.8	108.8	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
171	1/8 2:00	32	Saturday	2	3	133.1	145.2	92.8	92.3	139.3	133.4	93.6	136.4	141.6	92.1	136.4	175.3	180.4	83.6	137.2	170.1	132.8	137.1	137.2	137.6	90.8	166.2	88.8	132.0	133.8	123.2	136.7	127.2	170.1	132.2	136.0	170.1	108.6	170.1	170.1	255.2	170.1	151.5	164.5	170.1	111.4	111.2	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
172	1/8 3:00	31	Saturday	3	4	141.1	147.6	95.2	94.7	145.2	139.4	95.9	142.4	147.6	94.5	142.4	181.3	186.4	86.0	143.2	170.1	138.8	143.1	143.2	143.6	93.2	172.2	91.3	138.0	139.8	129.2	142.7	133.2	170.1	138.2	142.0	170.1	114.6	170.1	170.1	255.2	170.1	157.4	170.1	170.1	113.4	113.2	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
173	1/8 4:00	30	Saturday	4	5	147.1	150.0	97.6	97.1	151.2	145.4	98.3	148.4	153.6	96.9	148.4	187.4	192.4	88.4	149.2	170.1	144.8	149.2	149.3	149.6	95.6	178.2	93.7	144.0	145.8	135.2	148.7	139.2	170.1	144.2	148.0	170.1	120.6	170.1	170.1	255.2	170.1	163.4	170.1	170.1	117.8	116.0	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
174	1/8 5:00	29	Saturday	5	6	153.1	152.4	100.0	99.5	157.2	151.4	100.7	154.4	159.6	99.3	154.4	193.3	198.4	90.8	155.2	170.1	150.8	155.1	155.2	155.6	98.0	184.2	96.1	150.0	151.8	141.2	154.7	145.2	170.1	150.2	154.0	170.1	126.6	170.1	170.1	255.2	170.1	169.5	170.1	170.1	121.7	120.0	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
175	1/8 6:00	27	Saturday	6	7	159.1	154.8	102.4	101.9	163.2	157.4	103.1	160.4	165.6	101.7	160.4	199.3	204.4	93.2	161.2	170.1	156.8	161.1	161.2	161.6	100.4	190.2	98.5	156.0	157.8	147.2	160.7	151.2	170.1	156.2	160.0	170.1	132.6	170.1	170.1	255.2	170.1	175.7	170.1	170.1	125.6	124.0	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
176	1/8 7:00	29	Saturday	7	8	165.1	157.2	104.8	104.3	169.2	163.4	105.5	166.4	170.1	104.1	166.4	205.3	210.4	95.6	167.2	170.1	162.8	167.1	167.2	167.6	102.8	196.2	100.9	162.0	163.8	153.2	166.7	157.2	170.1	162.2	166.0	170.1	138.6	170.1	170.1	255.2	170.1	178.1	125.0	123.3	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
177	1/8 8:00	32	Saturday	8	9	170.1	162.0	107.2	106.7	170.1	169.4	107.9	170.1	170.1	106.5	170.1	211.3	216.4	98.0	170.1	170.1	168.8	170.1	170.1	170.1	105.2	202.3	103.3	168.0	169.8	159.2	170.1	163.2	170.1	168.2	170.1	170.1	144.6	170.1	170.1	255.2	170.1	180.5	127.4	125.6	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
178	1/8 9:00	36	Saturday	9	10	170.1	166.8	110.0	109.5	170.1	170.1	110.7	170.1	170.1	108.9	170.1	217.3	222.4	100.4	170.1	170.1	170.1	170.1	170.1	170.1	107.6	208.2	105.7	170.1	170.1	163.2	170.1	167.2	170.1	170.1	170.1	170.1	148.6	170.1	170.1	255.2	170.1	184.8	129.8	127.9	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
179	1/8 10:00	36	Saturday	10	11	170.1	164.4	112.0	111.5	170.1	170.1	112.7	170.1	170.1	111.3	170.1	223.3	228.4	102.8	170.1	170.1	170.1	170.1	170.1	170.1	110.0	214.2	108.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	156.6	170.1	170.1	255.2	170.1	189.1	132.2	130.4	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
180	1/8 11:00	37	Saturday	11	12	170.1	166.8	114.4	113.9	170.1	170.1	115.1	170.1	170.1	113.7	170.1	229.3	234.4	105.2	170.1	170.1	170.1	170.1	170.1	170.1	112.4	220.2	110.5	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	162.6	170.1	170.1	255.2	170.1	193.5	134.6	132.8	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
181	1/8 12:00	38	Saturday	12	13	170.1	169.2	116.8	116.3	170.1	170.1	117.5	170.1	170.1	116.1	170.1	235.3	240.4	107.6	170.1	170.1	170.1	170.1	170.1	170.1	114.8	226.2	112.9	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	168.6	170.1	170.1	255.2	170.1	198.1	137.0	135.2	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
182	1/8 13:00	39	Saturday	13	14	170.1	171.6	119.2	118.7	170.1	170.1	119.9	170.1	170.1	118.5	170.1	241.3	246.4	110.0	170.1	170.1	170.1	170.1	170.1	170.1	117.2	232.2	115.3	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	202.8	139.5	137.7	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
183	1/8 14:00	39	Saturday	14	15	170.1	174.0	121.6	121.1	170.1	170.1	122.3	170.1	170.1	120.9	170.1	247.3	252.4	112.4	170.1	170.1	170.1	170.1	170.1	170.1	119.6	238.2	117.7	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	207.4	142.3	140.5	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
184	1/8 15:00	36	Saturday	15	16	170.1	176.4	124.0	123.5	170.1	170.1	124.7	170.1	170.1	123.3	170.1	253.3	255.2	114.8	170.1	170.1	170.1	170.1	170.1	170.1	122.0	244.2	120.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	211.8	145.1	143.3	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
185	1/8 16:00	34	Saturday	16	17	170.1	178.8	126.4	125.9	170.1	170.1	127.1	170.1	170.1	125.7	170.1	255.2	255.2	117.2	170.1	170.1	170.1	170.1	170.1	170.1	124.4	252.2	122.5	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	215.2	147.9	146.0	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
186	1/8 17:00	33	Saturday	17	18	170.1	181.2	128.8	128.3	170.1	170.1	129.5	170.1	170.1	128.1	170.1	255.2	255.2	119.6	170.1	170.1	170.1	170.1	170.1	170.1	126.8	255.2	124.9	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	219.5	150.8	148.9	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
187	1/8 18:00	33	Saturday	18	19	170.1	183.6	131.2	130.7	170.1	170.1	131.9	170.1	170.1	130.5	170.1	255.2	255.2	122.0	170.1	170.1	170.1	170.1	170.1	170.1	129.2	255.2	127.3	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	223.9	153.6	151.8	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
188	1/8 19:00	32	Saturday	20	20	170.1	186.0	133.6	133.1	170.1	170.1	134.3	170.1	170.1	132.9	170.1	255.2	255.2	124.4	170.1	170.1	170.1	170.1	170.1	170.1	131.6	255.2	129.7	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	228.3	156.5	154.6	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
189	1/8 20:00	34	Saturday	21	21	170.1	188.4	136.0	135.5	170.1	170.1	136.7	170.1	170.1	135.3	170.1	255.2	255.2	126.8	170.1	170.1	170.1	170.1	170.1	170.1	134.0	255.2	132.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	232.5	159.4	157.5	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
190	1/8 21:00	35	Saturday	22	22	170.1	190.8	138.4	137.9	170.1	170.1	139.1	170.1	170.1	137.7	170.1	255.2	255.2	129.2	170.1	170.1	170.1	170.1	170.1	170.1	136.4	255.2	134.5	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	236.7	162.3	160.4	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
191	1/8 22:00	35	Saturday	23	23	170.1	193.2	140.8	140.3	170.1	170.1	141.5	170.1	170.1	140.1	170.1	255.2	255.2	131.6	170.1	170.1	170.1	170.1	170.1	170.1	138.8	255.2	136.9	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	240.9	165.2	163.3	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
192	1/8 23:00	33	Saturday	23	24	170.1	195.6	143.2	142.7	170.1	170.1	143.9	170.1	170.1	142.5	170.1	255.2	255.2	134.0	170.1	170.1	170.1	170.1	170.1	170.1	141.2	255.2	139.3	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	245.3	168.1	166.2	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
193	1/9 0:00	35	Sunday	0	1	170.1	198.0	145.6	145.1	170.1	170.1	146.3	170.1	170.1	144.9	170.1	255.2	255.2	136.4	170.1	170.1	170.1	170.1	170.1	170.1	143.6	255.2	141.7	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	249.6	171.1	169.2	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
194	1/9 1:00	34	Sunday	1	2	170.1	200.4	148.0	147.5	170.1	170.1	148.7	170.1	170.1	147.3	170.1	255.2	255.2	138.8	170.1	170.1	170.1	170.1	170.1	170.1	146.0	255.2	144.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	253.4	174.0	172.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
195	1/9 2:00	39	Sunday	2	3	170.1	202.8	150.4	149.9	170.1	170.1	151.1	170.1	170.1	149.7	170.1	255.2	255.2	141.2	170.1	170.1	170.1	170.1	170.1	170.1	148.4	255.2	146.5	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	257.1	176.9	174.9	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
196	1/9 3:00	40	Sunday	3	4	170.1	205.2	152.8	152.3	170.1	170.1	153.5	170.1	170.1	152.1	170.1	255.2	255.2	143.6	170.1	170.1	170.1	170.1	170.1	170.1	150.8	255.2	148.9	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	260.8	179.4	177.4	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
197	1/9 4:00	41	Sunday	4	5	170.1	207.6	155.2	154.7	170.1	170.1	155.9	170.1	170.1	154.5	170.1	255.2	255.2	145.9	170.1	170.1	170.1	170.1	170.1	170.1	153.3	255.2	151.3	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	264.4	182.0	180.0	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
198	1/9 5:00	40	Sunday	5	6	170.1	210.0	157.6	157.1	170.1	170.1	158.3	170.1	170.1	156.9	170.1	255.2	255.2	148.4	170.1	170.1	170.1	170.1	170.1	170.1	155.6	255.2	153.7	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	267.7	184.5	182.5	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
199	1/9 6:00	40	Sunday	6	7	170.1	212.4	160.0	159.5	170.1	170.1	160.7	170.1	170.1	159.3	170.1	255.2	255.2	150.8	170.1	170.1	170.1	170.1	170.1	170.1	158.0	255.2	156.0	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	271.0	187.0	185.0	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
200	1/9 7:00	40	Sunday	7	8	170.1	214.8	162.4	161.9	170.1	170.1	163.1	170.1	170.1	161.7	170.1	255.2	255.2	153.2	170.1	170.1	170.1	170.1	170.1	170.1	160.4	255.2	158.5	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	274.1	189.7	187.7	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
201	1/9 8:00	41	Sunday	8	9	170.1	217.2	164.8	164.3	170.1	170.1	165.5	170.1	170.1	164.1	170.1	255.2	255.2	155.6	170.1	170.1	170.1	170.1	170.1	170.1	162.8	255.2	160.9	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	277.4	192.3	190.3	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
202	1/9 9:00	44	Sunday	9	10	170.1	219.6	167.2	166.7	170.1	170.1	167.9	170.1	170.1	166.5	170.1	255.2	255.2	158.0	170.1	170.1	170.1	170.1	170.1	170.1	165.2	255.2	163.3	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	170.1	280.0	195.0	193.0	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
203	1/9 10:00

Project Name: Half Hollow Hills BEB Study

Building: Half Hollow Hills Central School District

Date: 8/29/2024

Description Remaining Charge (kWh) in the Battery with Demand Reduction

| Hour Number | Timestamp | Outside dry-bulb temp (F) | Day of the Week | Hours (0-23) | Hours (1-24) | 2 | 8 | 9 | 10 | 11 | 12 | 17 | 18 | 20 | 21 | 22 | 24 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 53 | 54 | 57 | 58 | 59 | 65 | 66 | 67 | 68 | 71 | 73 | 74 | 76 | 78 | 93 | 0 | Total (All Buses) | Average Battery Charge |
|---|---|---

Project Name: Half Hollow Hills BEB Study
Building: Half Hollow Hills Central School District
Date: 8/29/2024
Description Remaining Charge (kWh) in the Battery with Demand Reduction

Hour Number	Timestamp	Outside dry-bulb temp (F)	Day of the Week	Hours (0-23)	Hours (1-24)	2	8	9	10	11	12	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	41	42	43	44	45	46	47	48	49	50	51	53	54	57	58	59	65	66	67	71	73	74	76	78	93	0	Total (All Buses)	Average Battery Charge
461	1/20 4:00	21	Thursday	4	5	161.3	241.9	161.3	158.8	161.7	161.8	162.1	162.5	162.0	161.9	161.2	241.1	240.0	162.3	158.5	170.1	159.8	159.5	160.4	160.0	158.4	238.9	159.9	161.2	160.2	160.6	161.7	158.3	170.1	161.1	163.3	170.1	149.5	170.1	170.1	255.2	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
462	1/20 5:00	23	Thursday	5	6	169.4	254.1	170.0	167.3	170.0	169.8	167.7	166.7	169.6	168.1	169.4	253.1	251.8	166.5	168.2	170.1	168.3	167.8	168.5	168.1	166.4	252.6	168.3	169.7	168.3	169.5	170.0	168.7	170.1	169.4	164.8	170.1	159.0	164.5	170.1	170.1	255.2	170.1	169.5	168.6	166.1	226.6	169.4	168.4	170.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
463	1/20 6:00	24	Thursday	6	7	148.1	239.0	149.2	155.4	139.4	141.7	138.5	133.1	139.6	138.4	142.3	242.9	236.7	142.7	148.5	137.2	148.3	149.6	144.6	150.3	157.3	244.3	154.5	145.1	146.8	153.7	141.4	145.5	151.2	150.9	136.1	143.3	168.5	136.5	151.6	238.6	150.3	148.7	156.3	136.1	234.2	111.9	111.0	141.5	139.0	141.2	148.5	151.2	245.3	0.0		
464	1/20 7:00	26	Thursday	7	8	119.9	220.6	127.8	126.8	107.3	110.7	108.3	99.5	109.5	108.8	119.4	219.8	210.9	118.8	121.5	101.9	120.4	120.9	112.8	123.9	134.7	221.9	131.0	116.4	117.2	132.9	111.4	120.5	124.1	125.7	107.4	110.6	149.0	108.6	130.1	218.8	129.5	120.4	131.3	106.1	241.8	114.4	113.5	109.6	121.1	119.9	121.4	120.5	126.8	0.0		
465	1/20 8:00	24	Thursday	8	9	91.7	202.2	106.3	98.2	75.3	79.7	80.1	65.9	79.5	79.1	112.3	196.7	185.1	95.0	116.6	66.6	92.5	92.3	80.9	97.5	112.1	199.6	107.5	87.7	87.5	112.2	81.5	126.9	97.1	100.6	78.7	77.8	114.7	80.6	66.2	199.0	108.6	92.1	80.9	97.5	178.8	127.1	82.5	94.4	124.0	132.8	94.4	124.0	132.8	0.0		
466	1/20 9:00	25	Thursday	9	10	97.2	200.7	107.6	99.8	89.3	76.1	85.8	78.8	94.0	84.5	114.3	195.0	197.9	98.2	121.5	126.6	100.2	102.4	90.2	105.2	112.4	203.1	108.1	93.4	92.7	91.4	91.0	133.3	136.2	100.4	87.6	108.9	110.2	84.3	68.7	203.4	112.9	93.2	107.0	106.1	244.0	119.3	118.7	81.2	133.1	86.1	98.1	130.0	238.8	0.0		
467	1/20 10:00	26	Thursday	10	11	106.0	200.7	111.0	104.3	107.9	61.0	94.9	96.4	113.0	93.4	116.6	196.3	215.0	104.1	126.5	111.1	115.1	116.2	103.6	116.3	114.3	209.2	110.9	102.4	94.0	104.5	139.8	139.5	135.3	113.3	100.2	95.0	110.2	90.3	74.7	209.4	118.9	97.0	110.1	106.1	199.2	121.8	121.3	87.2	136.1	92.1	104.1	136.0	244.8	0.0		
468	1/20 11:00	27	Thursday	11	12	114.8	200.8	114.3	108.7	126.5	55.1	104.0	114.0	113.9	102.2	127.0	183.6	212.3	110.0	131.4	67.1	122.8	130.1	116.9	127.4	117.4	215.2	113.7	111.5	110.0	91.1	117.9	146.2	97.9	116.5	112.8	66.8	110.2	96.3	80.7	215.4	124.9	100.8	113.2	136.1	154.4	124.3	123.8	93.2	145.1	98.1	110.1	142.0	250.8	0.0		
469	1/20 12:00	27	Thursday	12	13	123.6	200.7	117.7	113.2	145.1	97.1	113.1	131.5	150.9	111.0	133.4	155.0	182.0	115.8	136.3	120.7	134.0	143.9	130.2	138.4	119.8	221.2	116.5	120.5	125.6	129.0	122.7	125.4	108.6	110.2	102.3	86.7	120.3	104.6	116.3	136.1	109.7	126.8	126.4	99.2	151.1	104.1	106.1	148.0	255.2	0.0		
470	1/20 13:00	27	Thursday	14	15	125.3	193.8	119.9	117.6	151.3	127.6	116.1	140.9	161.2	116.1	129.0	136.5	151.8	107.8	134.6	160.5	130.8	150.3	135.9	142.2	116.9	220.9	110.8	123.1	120.6	130.5	138.4	103.0	108.3	92.7	227.4	136.9	108.5	119.3	136.1	109.7	129.3	129.0	105.2	157.1	110.1	122.1	154.0	255.2	0.0		
471	1/20 14:00	25	Thursday	15	16	86.8	148.1	84.6	98.8	117.9	92.7	84.1	104.5	122.1	85.3	92.2	97.9	121.5	73.9	94.7	121.2	98.4	114.2	97.9	104.5	83.1	184.7	79.3	89.3	85.6	73.1	99.9	117.3	114.7	80.5	93.3	100.5	60.2	114.3	98.7	233.4	142.9	112.3	122.4	136.1	117.0	131.7	131.6	111.2	163.1	116.1	128.1	160.0	255.2	0.0		
472	1/20 15:00	23	Thursday	16	17	56.0	102.4	53.3	63.3	80.5	57.8	52.1	68.1	83.1	54.0	55.5	84.4	91.2	43.7	130.0	81.9	66.1	78.2	59.9	66.9	52.1	148.4	50.5	55.4	55.0	46.0	62.7	100.5	79.3	53.3	56.1	62.7	101.5	120.3	104.7	239.4	142.9	116.1	125.5	136.1	124.4	134.2	134.1	117.2	169.1	122.1	134.1	166.0	255.2	0.0		
473	1/20 16:00	21	Thursday	17	18	64.1	99.7	57.2	57.0	62.0	62.4	60.4	61.5	56.7	63.0	96.1	52.8	146.8	58.1	58.3	63.3	63.2	60.1	58.9	59.6	63.1	53.7	62.5	145.5	63.1	61.6	62.9	68.4	117.8	126.2	110.7	145.4	154.9	119.6	128.6	227.3	131.8	124.1	123.2	170.1	128.1	140.1	170.1	255.2	0.0		
474	1/20 17:00	22	Thursday	18	19	72.2	111.6	65.9	65.5	70.3	68.8	66.7	69.9	71.8	65.5	71.1	108.5	109.9	62.0	52.1	84.4	66.5	68.7	71.4	70.8	68.5	62.1	62.6	70.8	43.4	80.8	69.9	71.3	108.4	117.4	132.3	116.7	251.4	160.9	123.7	131.7	112.1	139.1	79.7	77.5	129.2	170.1	134.1	146.1	170.1	255.2	0.0		
475	1/20 18:00	22	Thursday	19	20	80.3	123.5	74.6	74.0	78.6	77.2	75.4	78.3	80.0	74.3	79.3	120.6	121.7	71.1	61.8	96.4	75.1	77.0	79.5	78.3	76.6	101.8	71.7	76.5	79.1	71.5	79.0	53.8	92.8	78.2	79.6	92.4	56.7	138.3	122.7	255.2	166.9	127.5	134.8	144.5	146.5	152.1	170.1	255.2	0.0		
476	1/20 19:00	23	Thursday	20	21	88.4	135.4	83.2	82.5	86.9	85.7	84.1	86.7	88.2	83.0	87.5	132.6	133.5	80.2	71.4	108.4	83.6	85.2	87.6	87.0	84.8	115.5	84.1	85.0	87.4	80.4	87.3	64.3	104.8	86.5	88.0	104.4	66.6	144.3	128.7	255.2	170.1	131.4	137.9	169.6	153.9	84.6	82.6	141.2	170.1	146.1	158.1	170.1	255.2	0.0		
477	1/20 20:00	22	Thursday	21	22	96.5	147.2	91.9	91.0	95.2	94.1	92.7	95.1	96.4	91.8	95.7	144.7	145.4	89.3	81.1	120.4	92.0	93.5	95.7	95.1	93.0	129.2	92.5	93.5	95.5	89.3	95.6	74.7	116.8	94.8	96.4	116.4	75.4	150.3	134.7	255.2	170.1	135.2	140.9	170.1	163.9	91.2	89.7	147.2	170.1	152.1	164.1	170.1	255.2	0.0		
478	1/20 21:00	23	Thursday	22	23	104.6	159.1	100.6	99.4	103.5	102.1	101.4	103.6	104.6	100.6	103.9	156.7	157.2	98.5	90.8	132.4	100.1	101.7	103.7	103.2	101.2	142.9	101.0	101.6	98.2	103.8	85.2	128.8	103.1	104.7	128.4	84.7	156.3	140.7	255.2	170.1	139.0	144.0	121.7	168.6	89.6	87.8	153.2	170.1	158.1	170.1	170.1	255.2	0.0		
479	1/20 22:00	24	Thursday	23	24	112.7	171.0	109.2	107.9	111.8	110.9	110.1	112.0	112.8	109.3	112.1	168.8	169.0	107.6	100.4	144.4	109.0	110.0	111.8	111.3	109.3	156.7	109.4	110.4	111.4	113.1	107.1	132.1	95.6	140.4	94.0	162.3	146.7	255.2	170.1	142.8	147.1	124.1	176.0	92.1	90.4	159.2	170.1	164.1	170.1	170.1	255.2	0.0		
480	1/20 23:00	24	Thursday	24	25	120.8	182.9	117.9	116.4	120.1	119.3	118.8	120.4	121.0	118.1	120.3	180.8	180.8	116.7	110.1	156.4	117.4	118.2	119.9	119.4	117.5	170.4	117.8	118.9	119.8	116.0	120.4	106.0	152.8	119.6	121.5	152.4	103.3	168.3	152.7	255.2	170.1	146.6	152.3	126.5	183.3	94.5	92.9	165.2	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
481	1/21 1:00	24	Friday	1	26	128.9	194.8	126.6	124.9	128.4	127.7	127.4	128.8	129.2	126.9	128.5	193.2	192.7	125.8	119.8	168.4	125.9	126.5	128.0	127.5	125.7	184.1	126.2	127.3	127.9	125.0	128.4	164.4	112.6	170.1	158.7	255.2	170.1	150.4	153.3	128.9	190.7	97.0	95.5	170.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
482	1/21 1:00	24	Friday	1	2	137.0	206.6	135.3	133.4	136.7	136.2	136.1	137.3	137.4	135.6	136.7	204.9	204.5	135.0	129.5	170.1	134.4	134.7	136.1	135.6	133.9	193.9	134.6	135.8	136.0	133.9	136.9	126.9	170.1	136.2	138.2	170.1	134.3	156.4	133.1	198.1	99.5	98.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
483	1/21 2:00	23	Friday	2	3	145.1	218.5	143.9	141.9	145.0	144.8	145.2	145.7	145.6	144.0	145.0	215.7	216.2	144.1	139.1	170.1	143.0	142.8	144.2	143.7	142.2	205.4	142.9	144.3	144.1	142.8	145.5	137.4	170.1	146.1	148.1	170.1	139.7	170.1	135.2	170.1	102.7	101.2	170.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
484	1/21 3:00	22	Friday	3	4	153.2	230.4	152.6	150.3	153.3	153.0	153.5	154.1	153.8	153.2	153.0	229.0	228.1	153.2	148.8	170.1	151.3	151.0	152.3	151.9	150.2	225.2	151.4	152.7	152.1	151.7	153.4	147.8	170.1	152.8	154.9	170.1	146.0	170.1	136.5	170.1	106.4	104.5	170.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
485	1/21 4:00	19	Friday	4	5	161.3	242.3	161.3	158.8	161.7	161.4	162.1	162.5	162.0	161.9	161.2	241.1	240.0	162.3	158.5	170.1	159.8	159.5	160.4	160.0	158.4	238.9	159.9	161.2	160.2	160.6	161.7	158.3	170.1	161.1	163.3	170.1	149.5	170.1	170.1	255.2	170.1	170.1	170.1	170.1	255.2	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
486	1/21 5:00	18	Friday	5	6	169.4	254.2	170.0	167.3	170.0	169.8	167.5	166.4	169.6	167.9	169.4	253.1	251.8	166.2	168.2	170.1	168.3	167.8	168.5	168.1	166.4	252.6	168.3	169.7	168.3	169.5	170.0	168.7	170.1	169.4	164.8	170.1	159.0	164.5	170.1	170.1	255.2	170.1	169.5	168.6	166.1	227.5	169.4	168.4	170.1	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
487	1/21 6:00	17	Friday	6	7	148.1	239.0	149.2	155.4	139.4	141.7	138.5	133.1	139.6	138.4	142.3	242.9	236.7	142.7	148.5	137.2	148.3	149.6	144.6	150.3	157.3	244.3	154.5	145.1	146.8	153.7	141.4	145.5	151.2	150.9	136.1	143.3	168.5	136.5	151.6	238.6	150.3	148.7	156.3	136.1	234.2	111.9	111.0	141.5	139.0	141.2	148.5	151.2	245.3	0.0		
488	1/21 7:00	17	Friday	7	8	115.2	217.6	124.1	122.7	101.8	105.4	104.0	93.4	104.3	103.4	116.4	216.1	207.1	114.4	117.2	95.9	116.0	116.7	107.8	119.9	131.6	218.4	127.4	111.5	112.6	129.5	106.3	115.8	120.2	121.5	121.5	101.9	105.4	146.5	104.6	116.3	136.1	138.7	242.3	114.4	116.3	106.8	122.7	123.9	74.9	87.8	119.5	229.9	0.0		
489	1/21 8:00	17	Friday	8	9	84.6	197.6	100.7	91.6	67.0	71.7	72.3	56.8	71.6	71.2	107.0	191.0	179.1	88.4	112.3	57.6	85.7	85.6	73.1	91.2	107.0	194.1	101.8	80.3	80.2	106.9	73.7	123.0	90.7	94.2	70.7	69.8	109.3	72.9	57.2	194.2	103.3	85.1	100.7	136.1	249.6	116.9	116.1	68.3	122.3	74.9	87.8	119.5	229.9	0.0		
490	1/21 9:00	17	Friday	9	10	91.3	195.0	102.9	94.2	82.4	67.8	79.3	71.3	87.4	77.9	109.7	191.3	193.8	92.9	118.1	123.3	94.7	96.7	83.7	100.0	108.2	198.6	103.3	87.3	86.7	84.3	84.6	81.0	106.0	104.4	76.3	59.3	198.4	107.4	86.3	101.5	136.1	243.0	113.9	118.7	72.9	128.3	78.3	91.3	125.5	235.9	0.0		
491	1/21 10:00	17	Friday	10	11	101.6	195.9	107.5	99.9	102.8	51.4	90.1	90.8	108.1	88.4	117.3	194.0	213.5	100.2	121.9	126.5	107.4	112.0	98.8	112.4	111.8	205.8	107.4	97.9	96.9	77.1	99.7	137.4	133.6	106.5	91.3	115.8	104.4	82.3	65.3	204.4	113.4	88.7	103.9	136.1	243.1	121.8	121.3	78.9	134.3	84.3	97.3	131.5	241.9	0.0		
492	1/21 11:00	18	Friday	11	12	111.9	195.5	112.1	105.6	113.2	43.8	100.2	103.3	118.8	99.0	124.9	195.6	214.2	107.6	121.2	129.7	114.7	120.2	107.8	118.4	115.9	210.0	111.5	108.5	107.6	84.6	106.9	140.4	144.7	88.4	101.4	121.5	108.5	107.6	83.2	204.2	114.4	96.3	106.3	136.1	245.7	124.3	123.8	84.3	140.3	90.3	103.3	137.5	247.9	0.0		
493	1/21 12:00	18	Friday	12	13	122.2	195.9	116.7	111.4	143.6	91.9	111.7	129.8	149.5	109.5	132.5	151.5	181.5	114.8	135.8	114.9	135.6	115.1	133.0	142.7	128.8	217.3	114.9	109.7	115.9	103.7	123.9	121.8	123.9	116.4	106.8	108.7	116.1	97.0	226.8	126.4	90.9	146.3	96.3	109.3	143.5	253.9	0.0		
494	1/21 13:00	18	Friday	13	14	124.8	188.5	113.5	117.1	143.4	132.1	115.7	140.5	148.3	116.3	128.2	150.5	145.4	106.8	134.0	144.0	129.9	149.8	135.4	140.3	114.6	220.2	115.1	122.7	124.0	128.9	137.9	96.4	103.3	89.5	222.4	131.4	95.0	111.1	136.1	97.0	129.3	129.0	104.6	153.3	102.3	114.5	149.5	252.0	0.0		
495	1/21 14:00	17	Friday	14	15	82.9	138.8	81.5	97.0	114.2	94.2	80.9	100.9	118.2	82.3	88.3	89.4	112.5	69.9	90.8	117.3	94.7	110.6	94.1	100.8	79.7	181.0	75.9	85.9	82.1	70.4	96.2	113.7	111.2	76.5	89.6	96.8	50.0	106.3	89.3	228.4	137.4	98.3	113.5	136.1	99.4	131.7	131.6	102.9	158.3	108.3	121.3	155.5	255.2	0.0		
496	1/21 15:00	16	Friday	15	16	49.4	89.1	47.4	58.5	73.5	56.3	46.1	61.3	75.8	48.4	48.3	73.9	79.6	37.0	125.3	74.6	59.6	71.5	52.8	59.8	46.0	141.6	44.5	49.1	48.6	40.9	55.7	138.4	72.7	46.9	49.1	55.6	97.2	112.3	95.3	234.4	143.4	100.7	115.9	136.1	101.8	134.2	134.1	108.9	164.3	114.3	127.3	161.5	255.2	0.0		
497	1/21 16:00	17	Friday	16	17	15.4	46.2	11.4	11.4	13.3	53.8	5.6	53.3	54.6	11.0	56.2	79.9	86.9	14.0	140.1	63.1	50.8	52.2	16.1	55.1	46.4	102.2	46.9	13.4	14.6	40.9	53.4	141.0	60.3	52.9	16.3	65.7	111.4	134.3	103.3	240.4	149.4	103.1	118.3	126.5	104.2	120.8	120.9	114.9	170.1	120.3	134.6	167.5	255.2	0.0		
498	1/21 17:00	13	Friday	17	18	61.4	89.0	53.8	53.8	59.3	64.6	54.7	60.0	60.6	53.4	62.2	85.9	92.9	41.8	37.1	75.1	56.8	58.2	62.3	61.1	50.8	86.1	49.3	59.4	60.6	54.9	61.4	30.0	72.3	58.9	62.3	72.7	34.9	124.3	107.3	246.4	155.4	105.5	120.7	109.8	106.6	74.8	72.4	120.9	170.1	126.3	139.3	170.1	255.2	0.0		
499	1/21 18:00	11	Friday	18	19	67.4	91.7	56.2	56.2	65.3	70.6	57.1	66.0	66.6	55.8	68.2	91.9	98.9	44.2	48.0	87.1	62.8	64.2	68.3	67.1	53.2	92.1	51.7	65.4	66.6	60.9	67.4	41.5	84.3	64.9	68.3	84.7	40.9	130.3	113.3	252.4	161.4	107.9	123.1	112.2	109.0	77.2	74.8	126.9	170.1	132.3	145.3	170.1	255.2	0.0		
500	1/21 19:00	11	Friday	20	21	73.4	94.5	58.6	58.6	71.3	76.6	59.2	72.0	72.6	58.2	74.2	97.9	104.9	46.6	54.0	98.1	68.8	70.2	74.3	73.1	55.6	98.1	54.1	71.4	72.6	66.9	73.4	47.5	96.3	70.9	74.3	96.7	46.9	136.3	119.3	258.4	167.4	113.9	125.5	114.6	111.4	79.6	77.2	132.9	170.1	138.3	151.4	170.1	255.2	0.0		
501	1/21 20:00	10	Friday	21	22	79.4	97.3	61.0	61.0	77.3	82.6	61.9	78.0	78.6	60.6	80.2	103.9	110.9	49.0	60.0	111.1	74.8	76.2	80.3	79.1	58.0	104.1	56.5	77.4	78.6	72.9	79.4	53.5	103.3	76.9	80.3	109.7	51.9	142.3	125.3	260.9	173.4	117.9	127.9	116.9	113.7	81.9	79.6	138.9	170.1	144.3	157.3	170.1	255.2	0.0		
502	1/21 21:00	10	Saturday	22	23	81.4	100.0	63.4	63.4	83.3	88.6	64.3	84.0	84.6	63.0	86.2	109.9	116.9	51.4	66.0	123.1	80.8	82.2	86.3	85.1	60.4	109.9	58.9	83.4	84.6	78.9	85.4	59.5	110.3	82.8	86.3	114.7	56.9	148.9	131.3	262.9	179.4	121.9	132.3	119.2	116.0	84.2	81.9	144.9	170.1	150.3	163.4	170.1	255.2	0.0		
503	1/21 22:00	9	Saturday	23	24	91.4	102.8	65.8	65.8	89.3	94.6	66.7	90.0	90.6	65.4	92.2	115.9	122.9	53.8	72.0	135.1	86.8	88.2	92.3	91.1	62.8	116.1	61.3	89.4	90.6	84.9	91.4	64.9	154.3	137.3	255.2	170.1	117.5	132.7	121.8	118.4	86.8	84.4	150.9	170.1	156.3	169.3	170.1	255.2	0.0		
504	1/21 23:00	9	Saturday	23	24	97.4	105.6	68.2	68.2	95.3	100.6	69.1	96.0	96.6	67.8	98.2	121.9	128.9	56.2	78.0	147.1	92.8	94.2	98.3	97.1	65.2	122.1	63.7	95.4	96.6	90.9	97.4	71.5	144.3	94.9	98.3	144.7	59.3	154.9	139.3	266.9	185.4	129.9	141.2	121.0	89.2	86.8	156.9	170.1	162.3	170.1	170.1	255.2	0.0		
505	1/22 0:00	8	Saturday	0	1	103.4	108.3	70.6	70.6	101.3	106.6	71.5	102.0	102.6	70.2	104.2	127.9	134.9	58.6	84.0	159.1	98.8	100.2	104.3	103.1	67.7	127.9	66.1	101.4	102.6	96.9	103.5	77.5	153.3	104.9	104.3	156.7	76.9	166.1	143.3	255.2	170.1	132.3	137.5	126.6	121.4	91.6	89.2	164.9	170.1	168.3	170.1	170.1	255.2	0.0		
506	1/22 1:00	9	Saturday	1	2	109.4	111.1	73.0	73.0	107.3	112.6	73.9	108.0	108.6	72.6	110.2	133.9	140.9	61.0	90.0	170.1	104.8	106.2	110.3	109.1	70.0	134.1	68.5	107.4	108.6	102.9	109.4	83.5	168.3	106.9	110.3	168.7	82.9	170.1	150.1	255.2	170.1	124.7	139.9	129.0	125.8	94.4	91.6	168.9	170.1	170.1	170.1	170.1	255.2	0.0		
507	1/22 2:00	9	Saturday	2	3	115.4	113.9	75.4	75.4	113.3	118.6	76.3	114.0	114.6	75.0	116.2	139.9	146.9	63.4	96.0	170.1	110.8	112.3	116.3	115.1	72.4	140.1	70.9	113.4	114.6	108.9	115.4	89.5	170.1	112.9	116.3	170.1	88.9	170.1	161.3	255.2	170.1	135.7	151.7	131.4	128.2	96.4	94.0	170.1	170.1	170.1	170.1	170.1	255.2	0.0		
508	1/22 3:00	9	Saturday	3	4	121.4	116.6	77.8	77.8	119.3	124.6	78.7	120.0	120.6	77.4	122.2	145.9	152.9

Project Name: Half Hollow Hills BEB Study

Building: Half Hollow Hills Central School District

Date: 8/29/2024

Description Remaining Charge (kWh) in the Battery with Demand Reduction

| Hour Number | Timestamp | Outside dry-bulb temp (F) | Day of the Week | Hours (0-23) | Hours (1-24) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 0 | Total (All Buses) | Average Battery Charge |
|---|---|---

wendel

Project Name: Half Hollow Hills BEB Study
Building: Half Hollow Hills Central School District
Date: 8/29/2024
Description Charge Delivered From the Utility Grid (kW) with Demand Reduction

| | | |

wendel

Project Name:	Half Hollow Hills BEB Study
Building:	Half Hollow Hills Central School District
Date:	8/29/2024
Description	Charge Delivered From the Utility Grid (kW) with Demand Reduction

| | | |

Half Hollow Hills Central School District Anticipated Battery Electric Bus Procurement by Year

	Existing	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	Total
BEB Bus Procurement Schedule	0	0	0	5	5	6	6	6	6	6	6	6	6	1	59
168 kWh BEB	0	0	0	2	0	0	0	0	0	0	0	1	2	0	5
Cumulative 168 kWh BEBs	0	0	0	2	2	2	2	2	2	2	2	3	5	5	
210 kWh BEB	0	0	0	2	3	5	4	6	5	5	6	4	4	1	45
Cumulative 210 kWh BEBs	0	0	0	2	5	10	14	20	25	30	36	40	44	45	
315 kWh BEB	0	0	0	1	2	1	2	0	1	1	0	1	0	0	9
Cumulative 315 kWh BEBs	0	0	0	1	3	4	6	6	7	8	8	9	9	9	
0 kWh BEB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cumulative 0 kWh BEBs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0 kWh BEB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cumulative 0 kWh BEBs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Battery Electric Bus Fleet Size	0	0	0	5	10	16	22	28	34	40	46	52	58	59	59

Current Fleet Size	59
New Proposed Buses	0
Proposed Fleet Size	59

*Placeholder BEB represent buses with no current possible BEB replacements based on today's technology. The development of larger battery capacities may be possible in the future.

Half Hollow Hills Central School District Anticipated EV Charger Procurement by Year

	Existing	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	Total
BEB Charger Procurement Schedule	0	0	0	3	5	4	6	6	6	6	6	6	6	1	55
24 kW EV Charger	0	0	0	2	3	0	1	1	2	0	2	3	2	0	16
Cumulative 24 kW Chargers	0	0	0	2	5	5	6	7	9	9	11	14	16	16	
60 kW EV Charger	0	0	0	0	1	4	5	5	4	4	4	2	3	0	32
Cumulative 60 kW Chargers	0	0	0	0	1	5	10	15	19	23	27	29	32	32	
120 kW EV Charger	0	0	0	1	1	0	0	0	0	2	0	1	1	1	7
Cumulative 120 kW Chargers	0	0	0	1	2	2	2	2	2	4	4	5	6	7	
Total BEB Chargers	0	0	0	3	8	12	18	24	30	36	42	48	54	55	55

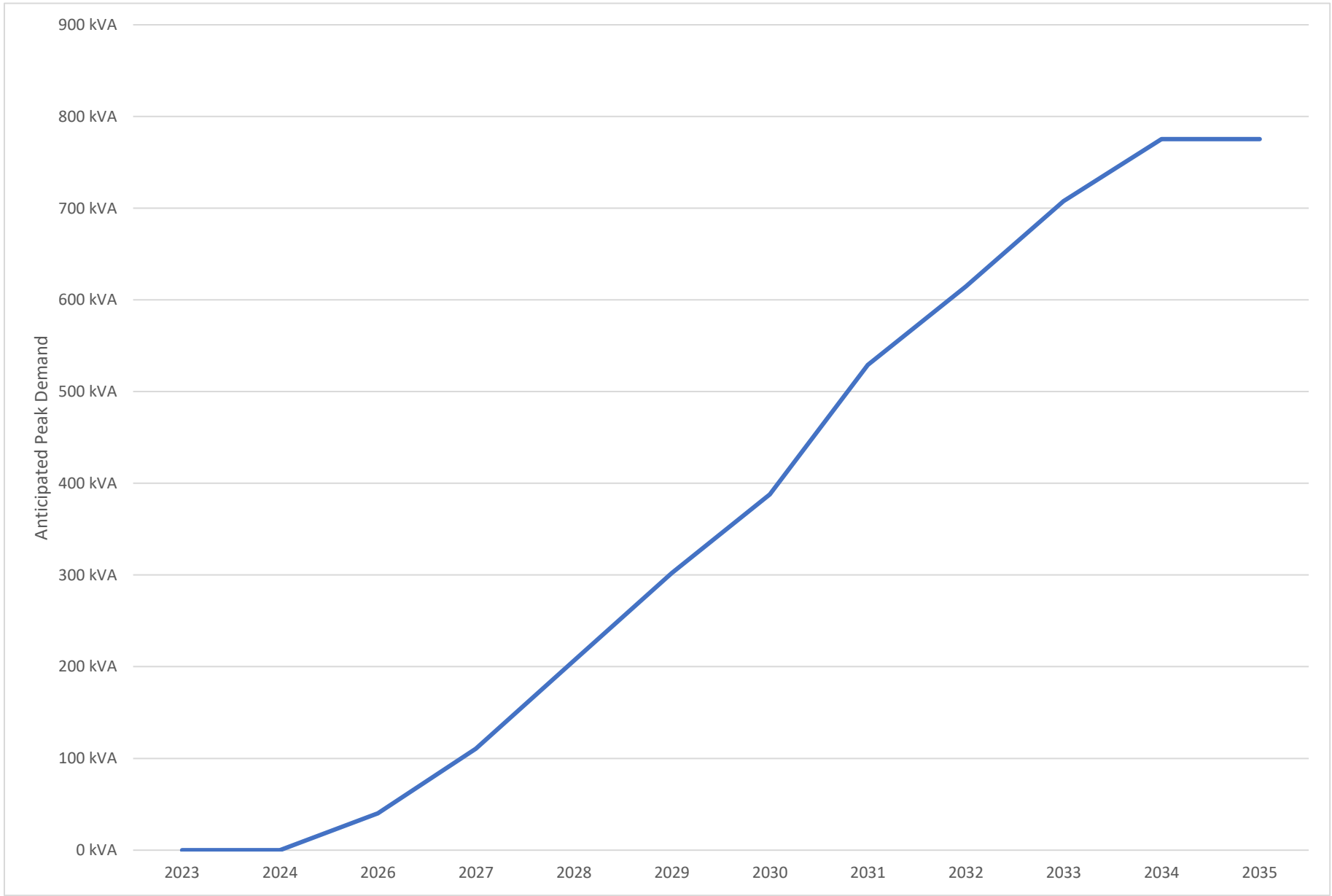
Current BEB Chargers	0
Proposed BEB Chargers	55

Note that 0 of the proposed 120 kW chargers are associated with placeholder BEBs. Actual charger size required may vary based on BEB size procured.

Half Hollow Hills Central School District Anticipated Load Growth by Year

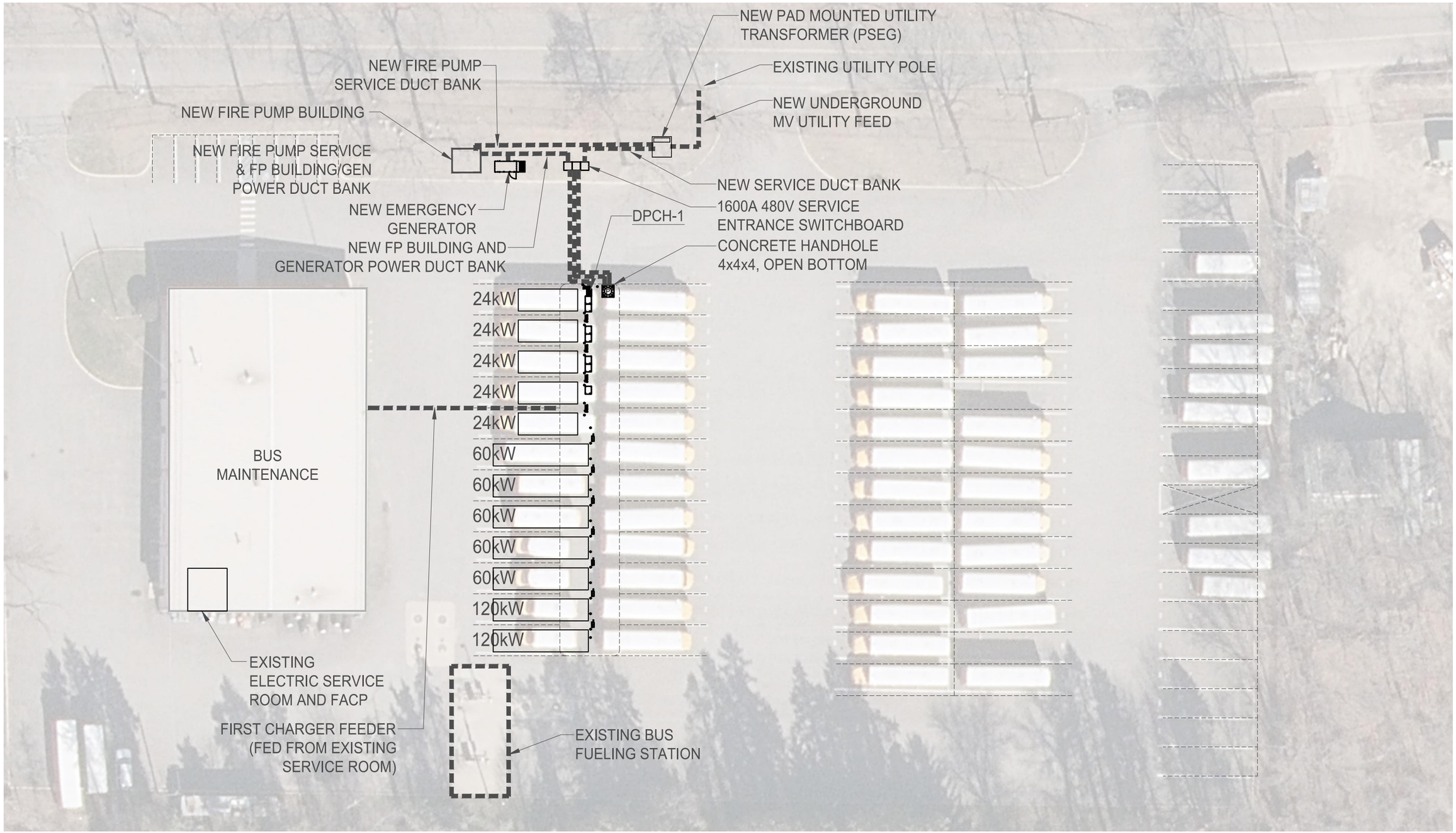
	Proposed	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
BEB Bus Additions														
Projected BEB's added per year	59	0	0	5	5	6	6	6	6	6	6	6	6	1
Cumulative 168 kWh BEBs	5	0	0	2	2	2	2	2	2	2	2	3	5	5
Cumulative 210 kWh BEBs	45	0	0	2	5	10	14	20	25	30	36	40	44	45
Cumulative 315 kWh BEBs	9	0	0	1	3	4	6	6	7	8	8	9	9	9
Cumulative 0 kWh BEBs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cumulative 0 kWh BEBs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cumualtive BEB's	59	0	0	5	10	16	22	28	34	40	46	52	58	59
24 kW EV Charger	16	0	0	2	3	0	1	1	2	0	2	3	2	0
Procured Route Bus Chargers		0	0	0	3	0	1	1	2	0	2	3	2	0
Procured Spare Bus Chargers		0	0	2	0	0	0	0	0	0	0	0	0	0
Cumulative Total Chargers		0	0	2	5	5	6	7	9	9	11	14	16	16
Cumulative Route Bus Chargers		0	0	0	3	3	4	5	7	7	9	12	14	14
Fully Connected Charger Load		0 kVA	0 kVA	53 kVA	133 kVA	133 kVA	160 kVA	186 kVA	239 kVA	239 kVA	293 kVA	372 kVA	426 kVA	426 kVA
Anticipated Charger Load	27 kVA	**0 kVA**	**0 kVA**	**0 kVA**	**22 kVA**	**22 kVA**	**30 kVA**	**37 kVA**	**52 kVA**	**52 kVA**	**67 kVA**	**89 kVA**	**104 kVA**	**104 kVA**
60 kW EV Charger	32	0	0	0	1	4	5	5	4	4	4	2	3	0
Procured Route Bus Chargers		0	0	0	1	4	5	5	4	4	4	2	3	0
Procured Spare Bus Chargers		0	0	0	0	0	0	0	0	0	0	0	0	0
Cumulative Total Chargers		0	0	0	1	5	10	15	19	23	27	29	32	32
Cumulative Route Bus Chargers		0	0	0	1	5	10	15	19	23	27	29	32	32
Fully Connected Charger Load		0 kVA	0 kVA	0 kVA	63 kVA	315 kVA	630 kVA	945 kVA	1,197 kVA	1,449 kVA	1,701 kVA	1,827 kVA	2,016 kVA	2,016 kVA
Anticipated Charger Load	63 kVA	**0 kVA**	**0 kVA**	**0 kVA**	**18 kVA**	**88 kVA**	**177 kVA**	**265 kVA**	**336 kVA**	**406 kVA**	**477 kVA**	**512 kVA**	**565 kVA**	**565 kVA**
120 kW EV Charger	7	0	0	1	1	0	0	0	0	2	0	1	1	1
Procured Route Bus Chargers		0	0	0	0	0	0	0	0	2	0	1	0	0
Procured Spare Bus Chargers		0	0	1	1	0	0	0	0	0	0	0	1	1
Cumulative Total Chargers		0	0	1	2	2	2	2	2	4	4	5	6	7
Cumulative Route Bus Chargers		0	0	0	0	0	0	0	0	2	2	3	3	3
Fully Connected Charger Load		0 kVA	0 kVA	126 kVA	252 kVA	252 kVA	252 kVA	252 kVA	252 kVA	504 kVA	504 kVA	630 kVA	756 kVA	882 kVA
Anticipated Charger Load	126 kVA	**0 kVA**	**0 kVA**	**0 kVA**	**0 kVA**	**0 kVA**	**0 kVA**	**0 kVA**	**0 kVA**	**71 kVA**	**71 kVA**	**106 kVA**	**106 kVA**	**106 kVA**
Total Fully Connected Load		0 kVA	0 kVA	179 kVA	448 kVA	700 kVA	1,042 kVA	1,383 kVA	1,688 kVA	2,192 kVA	2,498 kVA	2,829 kVA	3,198 kVA	3,324 kVA
Total Anticipated Peak Charger Load	55 Chgrs	**0 kVA**	**0 kVA**	**0 kVA**	**40 kVA**	**111 kVA**	**206 kVA**	**302 kVA**	**388 kVA**	**529 kVA**	**615 kVA**	**708 kVA**	**775 kVA**	**775 kVA**

1. Anticipated Charger Loads assume a Load Factor of 23% based on results of charging model with demand reduction implemented.
2. Anticipated Charger Loads dos not include the charging of spare buses which are assumed to charge outside of peak hours.
3. Anticipated Charger Loads include a Safety Factor of 20%


900 kVA
800 kVA
700 kVA
600 kVA
500 kVA
400 kVA
300 kVA
200 kVA
100 kVA
0 kVA
Anticipated Peak Demand
2023
2024
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035

Appendix C - Concept Development & Phasing Plan Drawings

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CHARGER QUANTITY

24kW PLUG-IN	5
60kW PLUG-IN	5
120kW PLUG-IN	2
-	-
TOTAL AFTER PHASE 1	12

1 SITE PLAN LAYOUT
SCALE: 1"=40'-0"

CONCEPTUAL - NOT FOR CONSTRUCTION

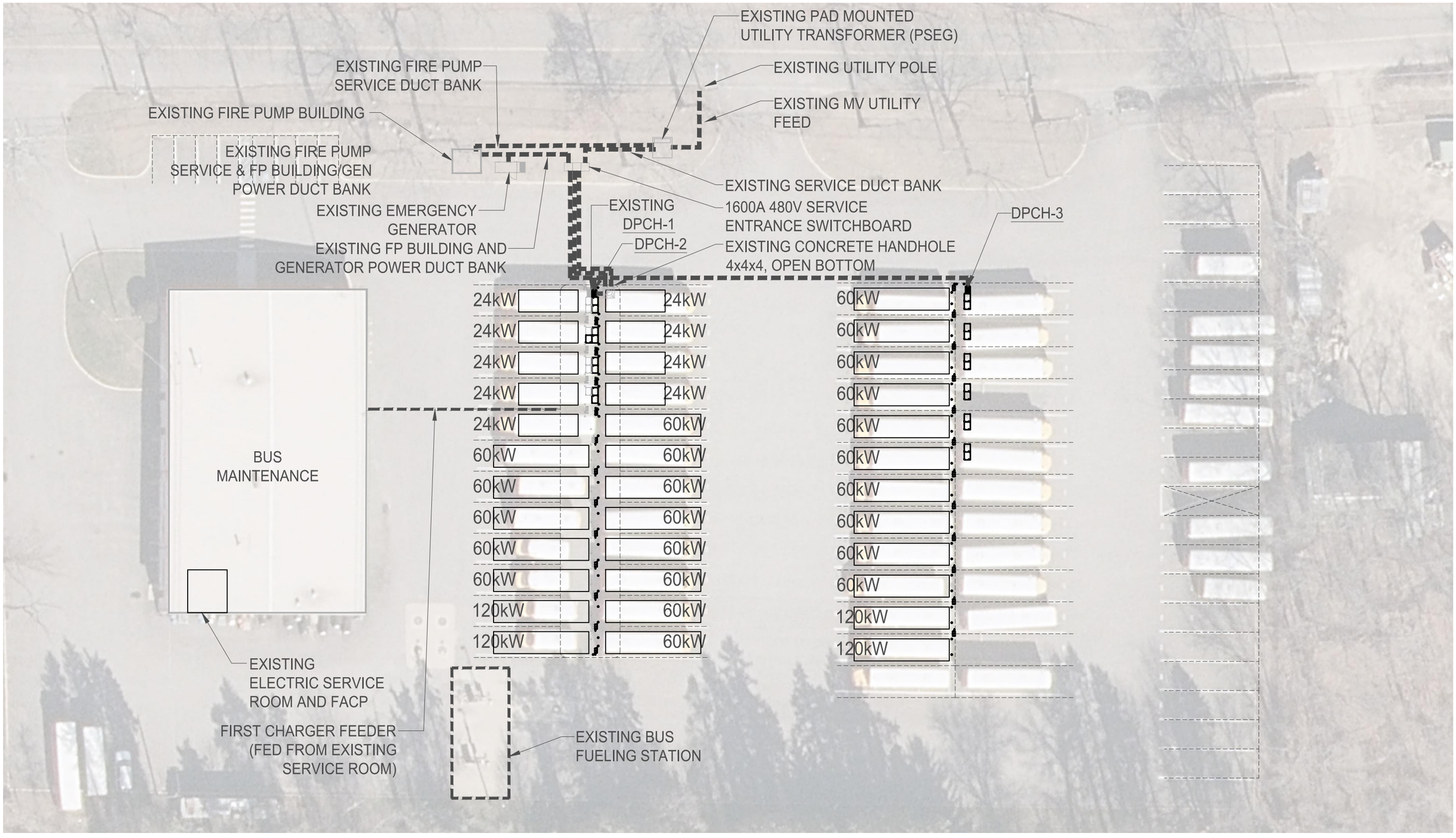
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HOLLOW HILLS SCHOOL DISTRICT

Charging Equipment Layout - Phase 1

Proj. No.	631801
Date	xx/xx/2024
Drawing Number	E1

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CHARGER QUANTITY

PHASE 1	24kW PLUG-IN	5	PHASE 2	24kW PLUG-IN	4
	60kW PLUG-IN	5		60kW PLUG-IN	18
	120kW PLUG-IN	2		120kW PLUG-IN	2
				TOTAL AFTER PHASE 2	36

1 SITE PLAN LAYOUT

SCALE: 1"=40'-0"

CONCEPTUAL - NOT FOR CONSTRUCTION

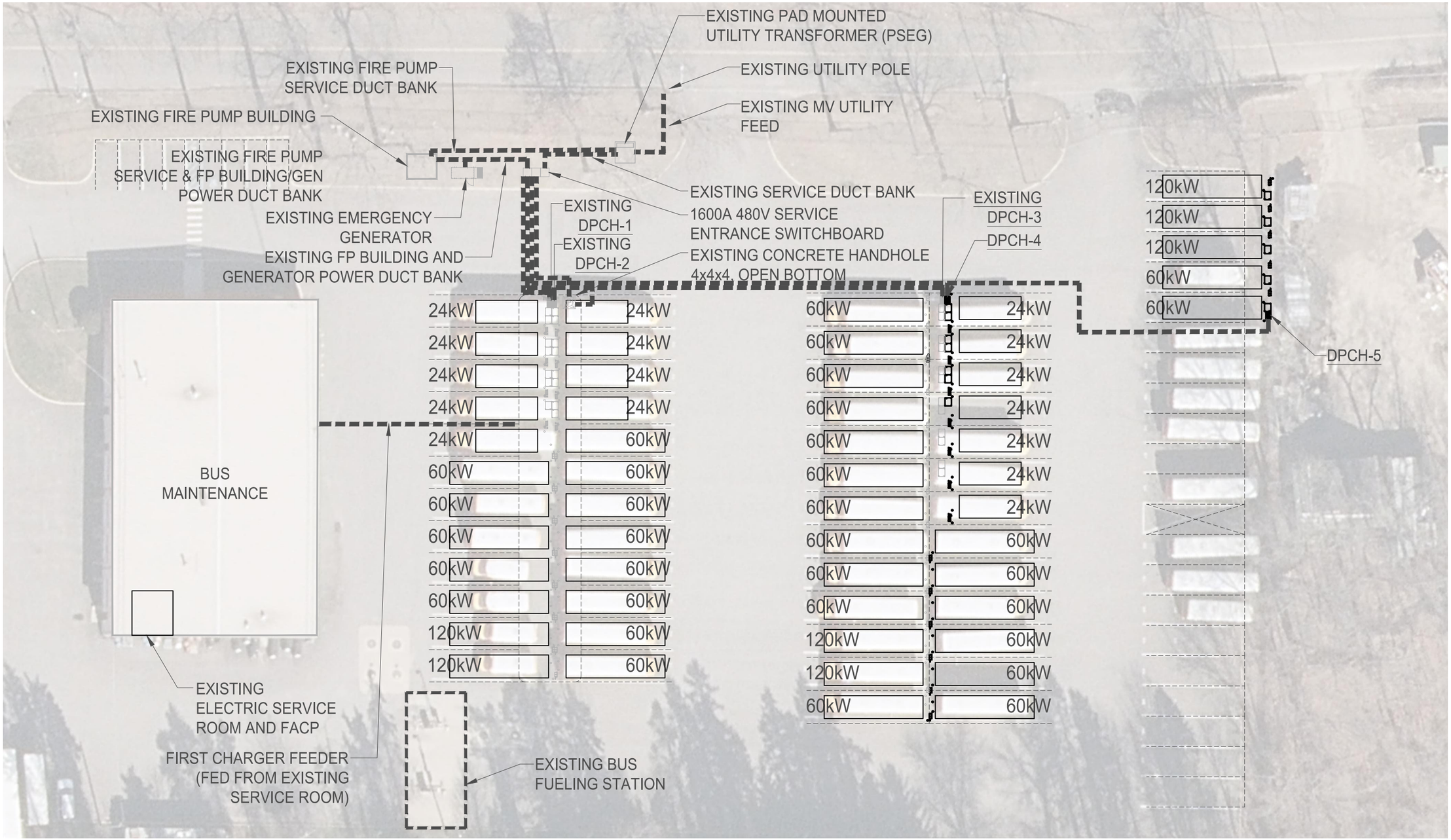
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HOLLOW HILLS SCHOOL DISTRICT

Charging Equipment Layout - Phase 2

Proj. No.	631801
Date	xx/xx/2024
Drawing Number	E2

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CHARGER QUANTITY

PHASE 1	24kW PLUG-IN	5	PHASE 2	24kW PLUG-IN	4	PHASE 3	24kW PLUG-IN	7
	60kW PLUG-IN	5		60kW PLUG-IN	18		60kW PLUG-IN	9
	120kW PLUG-IN	2		120kW PLUG-IN	2		120kW PLUG-IN	3
							-	-
							TOTAL AFTER PHASE 3	55

CONCEPTUAL - NOT FOR CONSTRUCTION

1 SITE PLAN LAYOUT

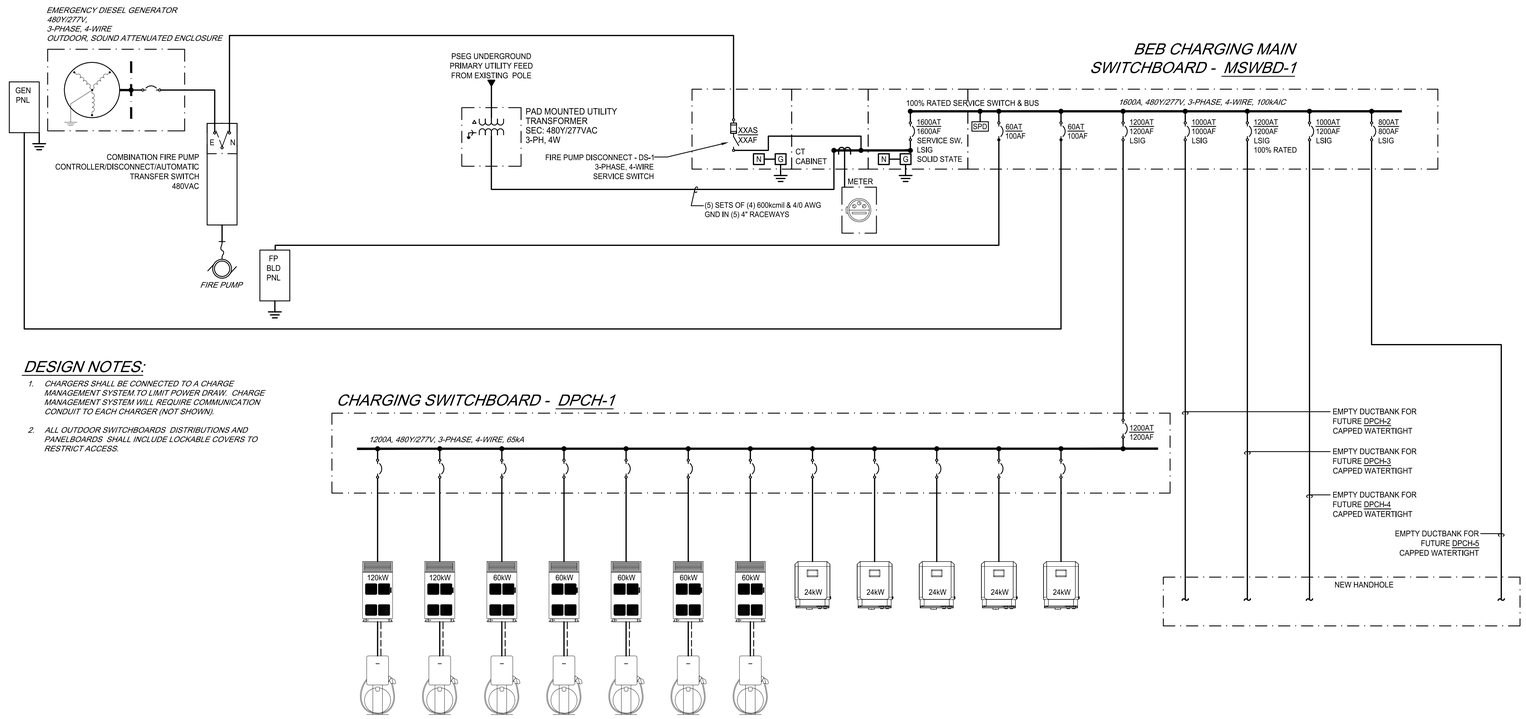
SCALE: 1"=40'-0"

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HOLLOW HILLS SCHOOL DISTRICT

Charging Equipment Layout - Phase 3

Proj. No.	631801
Date	xx/xx/2024
Drawing Number	E3



DESIGN NOTES:

1. CHARGERS SHALL BE CONNECTED TO A CHARGE MANAGEMENT SYSTEM TO LIMIT POWER DRAW. CHARGE MANAGEMENT SYSTEM WILL REQUIRE COMMUNICATION CONDUIT TO EACH CHARGER (NOT SHOWN).
2. ALL OUTDOOR SWITCHBOARDS, DISTRIBUTIONS AND PANELBOARDS SHALL INCLUDE LOCKABLE COVERS TO RESTRICT ACCESS.

CHARGER QUANTITY

24kW PLUG-IN	5
60kW PLUG-IN	5
120kW PLUG-IN	2
-	-
TOTAL AFTER PHASE 1	12

1 BUS CHARGING SINGLE LINE DIAGRAM
SCALE: NONE

CONCEPTUAL - NOT FOR CONSTRUCTION

HALF HOLLOW HILLS CENTRAL SCHOOL DISTRICT

HOLLOW HILLS

wendel
Centerpointe Corporate Park
375 Essjay Road, Suite 200
Williamsville, NY 14221
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WENDEL ENGINEERING P.C.

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NO.	REVISIONS	DATE

DWG. TITLE

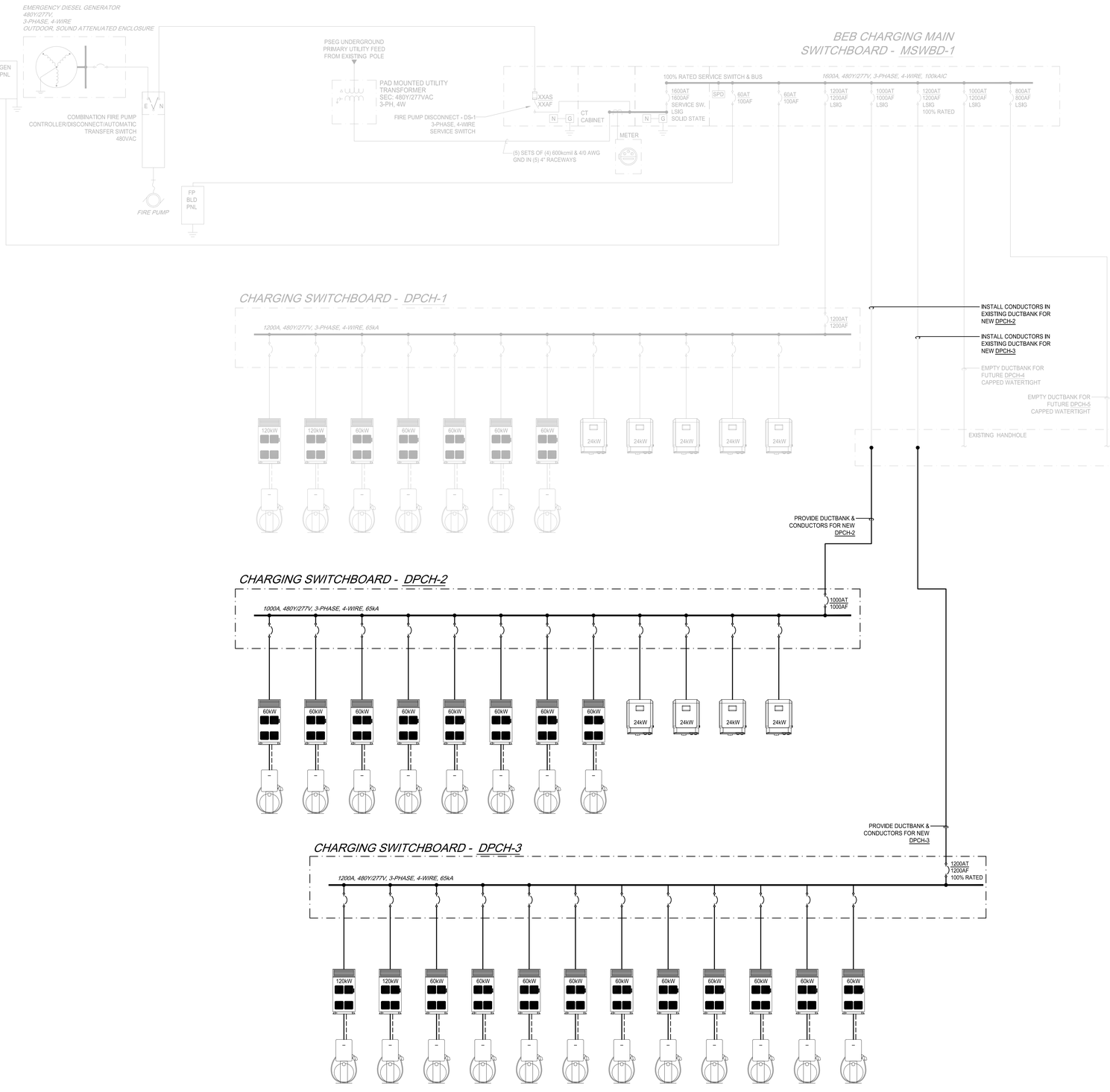
PHASE 1
BUS CHARGING SYSTEM
SINGLE LINE DIAGRAM

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY.

DATE	7-17-2024
SCALE	AS NOTED
DWN.	JWG
CHK.	JFW
PROJ. No.	631801
DWG. No.	E4

CHARGER QUANTITY

PHASE 1	24kW PLUG-IN	5
	60kW PLUG-IN	5
	120kW PLUG-IN	2
PHASE 2	24kW PLUG-IN	4
	60kW PLUG-IN	18
	120kW PLUG-IN	2
	TOTAL AFTER PHASE 2	36



2 BUS CHARGING SINGLE LINE DIAGRAM
SCALE: NONE

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NO.	REVISIONS	DATE

DWG. TITLE

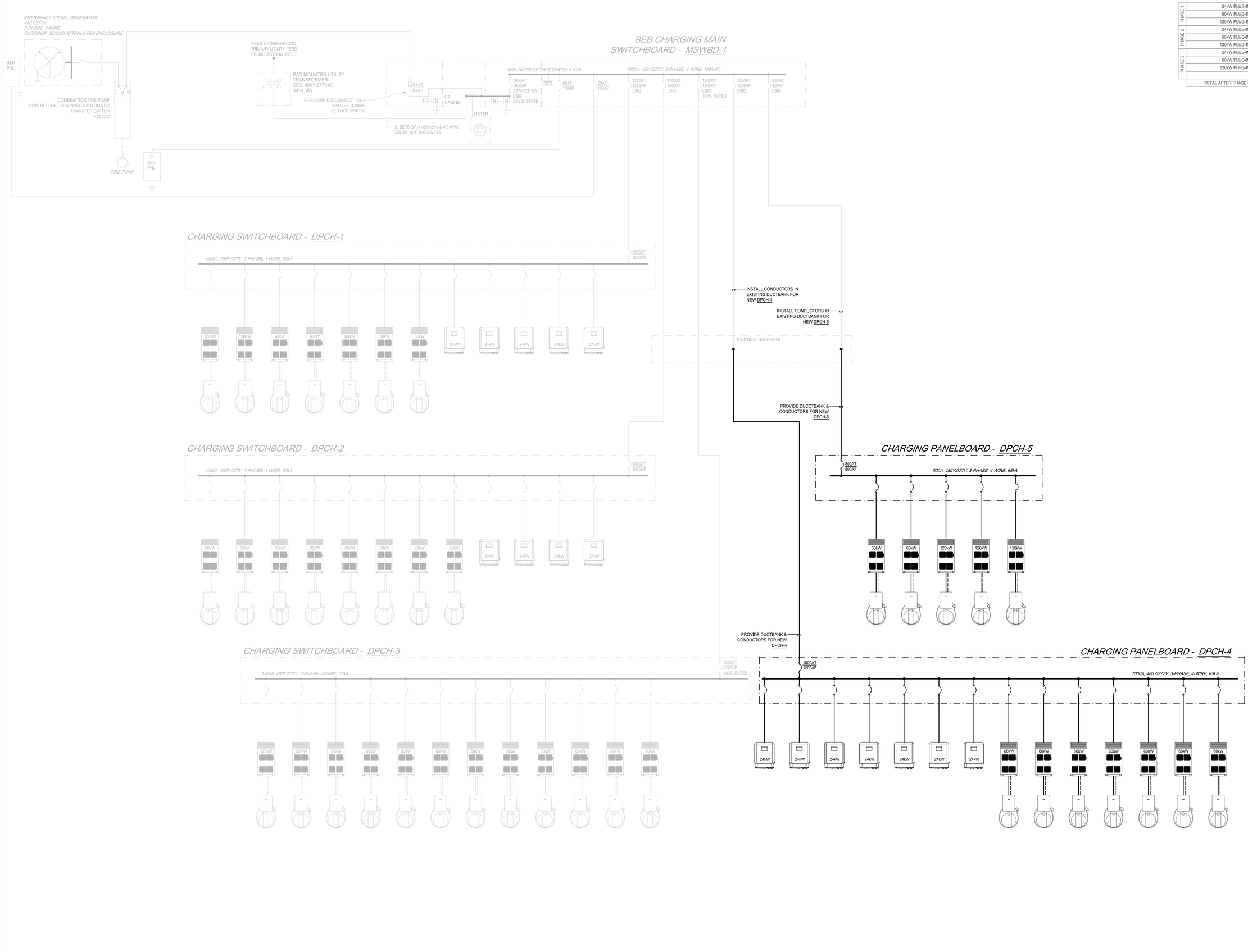
PHASE 2
BUS CHARGING SYSTEM
SINGLE LINE DIAGRAM

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN AT TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY.

DATE	7-17-2024
SCALE	AS NOTED
DWN.	JWG
CHK.	JFW
PROJ. No.	631801
DWG. No.	**E5**

CHARGER QUANTITY

PHASE 1	24kW PLUG-IN	5
	60kW PLUG-IN	5
	120kW PLUG-IN	2
PHASE 2	24kW PLUG-IN	4
	60kW PLUG-IN	18
	120kW PLUG-IN	2
PHASE 3	24kW PLUG-IN	7
	60kW PLUG-IN	9
	120kW PLUG-IN	3
	-	-
	TOTAL AFTER PHASE 3	55



3 BUS CHARGING SINGLE LINE DIAGRAM
SCALE: NONE

CONCEPTUAL - NOT FOR CONSTRUCTION

HALF HOLLOW HILLS CENTRAL SCHOOL DISTRICT

HOLLOW HILLS

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NO.	REVISIONS	DATE

DWG. TITLE

PHASE 3
BUS CHARGING SYSTEM
SINGLE LINE DIAGRAM

GENERIC SCALE BAR
0 1" 2"
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY.

DATE	7-17-2024
SCALE	AS NOTED
DWN.	JWG
CHK.	JFW
PROJ. No.	631801
DWG. No.	**E6**

Appendix D - Original Scope of Work

Keith Krug
Wendel Energy Services, LLC ("Applicant")
375 Essjay Road
Williamsville, NY, 14221
kkrug@wendelcompanies.com
CC' acaliendo@hhh.k12.ny.us; flextech@nyserda.ny.gov; austin.daily@nyserda.ny.gov

RE: FT17011 – Half Hollow Hills CSD (15)_CT- Task Work Order #223207

This Agreement approves and hereby incorporates the terms and conditions of the Scope of Work Exhibit A-1 to be conducted under Program Opportunity Notice (PON) 4192 in accordance with Exhibits A-2, A-3, A-4, these exhibits are attached hereto and made a part hereof. The attached Scope of Work, Exhibit A-1, should be considered a Task Work Order for Applicants within the FlexTech Consultant network and is assigned a Task Work Order Number indicated above. The Applicant signifies agreement and acceptance of incorporated terms and conditions by delivery of the goods or services and by the acceptance of payment.

For Applicants within the FlexTech Consultant network, this document should be considered a Notice to Proceed and also incorporates the terms and conditions of Agreement No. 120138.

Based on the Scope of Work, I have assigned a due date of 7/31/2024 for the draft deliverables. The Scope of Work, budget, and schedule will be used to evaluate the project for approval and payment. An electronic copy of the Deliverables must be submitted to NYSERDA by the Applicant upon completion of the project. The Deliverables must meet requirements outlined in PON 4192. If you will have any problems meeting the established timetable, please notify your NYSERDA Project Manager as soon as possible.

NYSERDA will pay the Applicant up to $37,275.00 of the Project Fees as defined in the Scope of Work. Reimbursement will be based on services actually provided, as defined in the Scope of Work. Total cost of the project shall not exceed $49,700.00. Should the total project amount be lower than the original not-to-exceed amount, NYSERDA shall reserve the right to lower the not-to-exceed amount accordingly.

NYSERDA payments shall be based on approved payment requests, and any backup documentation, when required. Interim payment requests may be made in accordance to approved budget and timeline outlined in the approved Scope of Work. In no event shall NYSERDA pay more than the Maximum amount of this contract set forth herein. The Applicant shall submit invoices per Attachment A-2 and the approved schedule contained in the Scope of Work to https://services.nyserda.ny.gov/Invoices/.

For Applicants within the FlexTech Consultant network, approval contained herein shall only become binding upon NYSERDA when the FlexTech Consultant and Customer have successfully negotiated and reached an agreement on the terms and conditions of the Customer's share of the FlexTech Consultant's Fees. NYSERDA is not directly responsible for any portion of the Customer's share, and the agreement between the Customer and FlexTech Consultant shall in no way obligate NYSERDA for payment.

This Agreement has been approved for transmittance.

Sincerely,

Signature:_____

NYSERDA Authorized Signatory

EXHIBIT A-1: SCOPE OF WORK, SCHEDULE & BUDGET
Agreement No. 120138
(For FlexTech Consultants: Task Work Order ID: 223207)
Flexible Technical Assistance

PROJECT DESCRIPTION

Goal of the Study

Half Hollow Hills Central School District is interested in utilizing NYSERDA's Flex Tech Assistance Program to evaluate the impact of a transition to zero emission vehicles for their school bus fleet.

The district has been observing the nationwide transition to battery electric vehicles, and more recently has been reviewing New York State's requirements for the transition of school bus fleets to zero emission vehicles by 2035. The school district is interested in developing a transition plan that provides a path towards a zero-emission bus fleet by 2035.

Consultant Information

The District seeks to utilize the services of Wendel Energy Services, LLC, hereafter referred to as "the applicant," a long tenured NYSERDA Program Consultant. Wendel's contact information is as follows:

Wendel Energy Services, LLC
375 Essjay Road, Suite 200
Centerpointe Corporate Park
Williamsville, New York 14221

Wendel's NYSERDA Program Manager; Keith L. Krug, CEM kkrug@wendelcompanies.com

District and Facility Description

Half Hollow Hills Central School District located in Dix Hills, NY on Long Island and serves the hamlets of Dix Hills, Melville, East Farmingdale, Deer Park, East Northport, and Wheatley Heights in Suffolk County. The district is comprised of 15 total buildings and covers an area of 34 square miles. It has an annual budget of $290M for the 2023-2024 school year and provides public educational services to 7,200 students and employs approximately 2,000 staff.

The current school bus fleet consists of approximately 63 buses operated by the District.

Utility Information

Electricity is delivered to the District by PSEG Long Island. The district's annual electric costs are approximately $2M per year.

Based on discussions between the District and Wendel personnel, the following will be evaluated to determine the transition to a zero-emission vehicle plan.

PROJECT TASKS

The steps necessary to develop a zero-emission transition plan for the school bus fleet are listed below:

Task 1–Project Kickoff and Status Meetings

- Kickoff with the District, NYSERDA, and Wendel
- Wendel assumes to meet on site one time for the kickoff and the site survey
- All other meetings will be virtual
- Wendel will meet with the client after completion of tasks 4 & 7
- Deliverables for this task will be meeting minutes

Task 2 – Data Collection

- **Bus fleet information** – Fleet size (current and projected), bus replacement plan/schedule, bus types/size.
- **Bus schedules and route data** – Detailed bus routes, departure and return times, operational hours, mileage, fuel consumption, operational contingency/resiliency plans.
    - Data should be provided in excel spreadsheet format with clear start and finish times, associated distances, and vehicle identifiers for each route.
- **Bus parking/storage arrangements** – Indoor/Outdoor, location
- **Fueling –** current operational requirements for fueling
- **Utility Data** – Name of local utility, existing service size (kVA) and voltage, Utility contact, Make-Ready Program information, water service flow test including static pressure, residual pressure, and water flow
- **Existing School Electrical Distribution information** – existing capacity, condition, expansion capability. Any as-built electrical site drawings (one-line distribution drawings)
- **Existing Site Plan** – CAD file of overall site plan
- **Fire Protection Drawings** – any drawings available for the maintenance facility

The schedule and fee are dependent on the data format, quality, and accuracy of documentation received from the client.

Anticipated deliverables for this step would be:

A memorandum detailing the data request list/ inventory and data gaps.

Task 3 – Route Analysis

Wendel will analyze the available bus route data for each route to determine the time and distance required for a bus to complete the route. Fuel consumption data from the existing diesel fleet will also be incorporated into the analysis. This analysis along with assumptions from previous studies will be used to develop high level anticipated energy requirements per route. Wendel to determine the basis of design for buses and chargers, minimum battery size requirements, charging requirements, and charging durations necessary.

Anticipated deliverables for this step would be:

A memorandum detailing the results of the route analysis including bus and charger basis of design and minimum charging times.

Task 4 – Conceptual Charging Strategy

Based on the data collected in Task 2 and the route analysis developed in Task 3, Wendel will develop a conceptual charging strategy for the fleet utilizing assumptions derived from previous studies of battery electric buses. The charging strategy will be developed based on the smallest

available battery size that meets the districts route needs. The charging strategy will identify the following items:

1. Anticipated peak demand during both on-peak and off-peak utility periods
2. Proposed charging profile for all buses on an hour-by-hour basis.
3. Overall Energy impact of implementing Battery Electric Buses:
    - Gallons of diesel saved
    - Additional kWh utilized
    - Overall Metric Tons of CO2 saved

Anticipated deliverables for this step would be:

A memorandum detailing the results of the charging strategy.

Task 5 - Electric Utility Analysis

Once loads are identified, meetings with the local utility will be scheduled to discuss options to support the necessary loads, overall costs of the utility upgrade and responsibility of the costs.

Based upon the developed energy requirements and charging strategy, Wendel will work with the local utility to determine the charging load profile, power demand and options for obtaining the power from the utility. Wendel will work with the utility and their Make-Ready Program to develop site requirements. Items included in this analysis include:

1. Utility's ability to supply the required power for bus charging
2. Preferred utility power interface:
    a. Upgrade existing service to supply all needs
    b. Provide a new service for just the bus charging requirements
    c. Reliability of bus charging service feed

Anticipated deliverables for this step would be:

A memorandum identifying the utility's ability to provide the required power and the utility's preferred means of supply for the bus charging power to the site.

Task 6 – Concept Development and Phasing Plan

Working with the school district, Wendel will develop a conceptual plan for one site for the electrification of the fleet over time. This will be a phased approach based on available funding cycles, fleet replacement schedules, utility system build out schedules, and internal distribution system build out schedules. Phasing to allow for growth in infrastructure without replacing previous phase investments would be one of the goals of the phasing plan.

The existing internal electrical distribution system would be reviewed to determine the existing systems ability to handle additional load and to determine where new distribution equipment may be located, including new transformers, switchgear, and panelboards. Potential locations for charging equipment would be identified at this stage as well.

The concept plan will include the following items:

1. Preferred utility interface equipment (transformers, incoming switchgear, etc.)
2. On-site distribution equipment including distribution switchgear/panelboards, transformers, and wiring to the chargers

3. Charger types, sizes, locations, and number of dispensers
4. Dispenser connections to the bus fleet

Anticipated deliverables for this step would be:

a. A conceptual site plan showing preferred equipment locations
b. A conceptual one-line power diagram showing the incoming utility power and bus charging distribution
c. A phasing plan showing how the implementation plan would progress over time to meet the 2035 transition plan goal.

Task 7 – Transition Plan Cost Estimates

Working with the school district, Wendel will develop a high-level opinion of probable costs to implement the zero-emissions transition plan. Wendel will utilize estimates from previous studies as the basis of the transition plan cost estimate and scaled for this specific district. The estimate will include the phased implementation costs of the following major items:

1. School District portion of any estimated charges for the utility to upgrade the system to provide the power required to the site for bus charging
2. Electrical equipment and installation costs for the utility interface
3. Bus charging system distribution equipment and installation costs including switchgear, panelboards, wiring
4. Charger and dispenser and installation costs
5. Associated sitework and civil costs
6. Other costs associated with a transition, an addition, renovations, etc.
7. Wendel would be looking for the School District to provide estimated costs for the school buses for inclusion into the overall phased implementation costs

Anticipated deliverables for this step would be:

An opinion of probable cost estimate for each phase of the implementation phasing plan.

Task 8 – Final Report and Presentation

Wendel will prepare a draft report to summarize the overall recommendations and results of the study for concurrent review by NYSERDA and Half Hollow Hills Central School District for one combined set of comments. The applicant shall update the report based on those comments and provide a final report to the satisfaction of NYSERDA and the district. Wendel will present the findings of the study. The report will meet the deliverable requirements listed in the Flex Tech Study Report Requirements. The applicant will submit the project summary sheet.

Overall Task Summary

Below is an itemized task list that is represented in the proposed budget attached.

1. Project Kickoff and Status Meetings
2. Data Collection
3. Route Analysis
4. Conceptual Charging Strategy
5. Electrical Utility Analysis
6. Concept Development and Phasing Plan
7. Transition Plan Cost Estimate

8. Final Report

DELIVERABLES

Wendel will provide the following deliverables:

- Task 1 Project Kickoff and Status Meetings: The applicant shall provide meeting minutes
- Task 2 Data Collection: The applicant shall provide memo detailing data inventory and data gaps
- Task 3 Route Analysis: The applicant shall submit a memorandum detailing the results of the route analysis including bus and charger basis of design and minimum charging times.
- Task 4 Conceptual Charging Strategy: The applicant shall submit one memo detailing the results of the charging strategy
- Task 5 Electric Utility Analysis: The applicant shall submit one memo identifying the utility's ability to provide the required power and utility's preferred means of supply for bus charging power to the site
- Task 6 Concept Development and Phasing Plan: The applicant shall provide:
    - one conceptual site plan showing preferred equipment locations
    - one conceptual one-line power diagram showing the incoming power and bus charging distribution
    - one phasing plan showing how the implementation plan would progress over time to meet the 2035 transition plan goal
- Task 7 Transition Plan Cost Estimates: The applicant shall provide one opinion of probable cost estimate for each phase of the implementation phasing plan
- Task 8 Final Report: Wendel will prepare a draft report to summarize the overall recommendations and results of the study and the applicant shall address technical review comments until deemed satisfactory by NYSERDA.

ASSUMPTIONS

In preparing this proposal, Wendel has made the following assumptions regarding the Task Work Order:

- Access to electrical rooms
- Access to and accompaniment by facility staff to tenant spaces will be provided
- Access to building management software systems will be provided
- Record drawings and site survey, if available will be provided
- Access to site
- Basis of design for buses and chargers to be determined by Wendel
- Cost estimates to be a scaled from previous studies
- The owner will provide two years worth of electric costs
- A draft report will be reviewed by both the owner and NYSERDA simultaneously, with each party providing one set of review comments. The applicant shall update the report based on those comments and provide a final report to the satisfaction of NYSERDA and Half Hollow Hills.

SCHEDULE

Milestone	Weeks from Notice to Proceed
Task 1: Project Kickoff and Status Meetings	2 weeks
Task 2: Data Collection	3 weeks
Task 3: Route Analysis	4 weeks
Task 4: Conceptual Charging Strategy	5 weeks
Task 5: Electrical Utility Analysis	14 weeks
Task 6: Concept Development and Phasing Plan	15 weeks
Task 7: Transition Plan Cost Estimates	16 weeks
Task 8: Final Report	20 weeks

PROJECT BUDGET

The total cost to complete the tasks associated with the zero emission transition plan scope is $49,700. The District will contribute 25% or $12,425 and NYSERDA will contribute 75% or $37,275, as a specified in the NYSERDA purchase order.

This is the total fee and includes direct expenses such as mileage, postage, printing, etc. except as noted.

Version: 1.0
Date: March 28, 2022

PROJECT BUDGET

FOR: South Seneca Central School District - Green Clean Energy Solutions Application

NEW YORK STATE OF OPPORTUNITY. | NYSERDA

Complete the Budget Template below or equivalent. Provide total study costs and list the Customer and NYSERDA cost-share within the Scope of Work. The budget should be broken down according to task and potential EEMs as identified during the onsite walk-through and listed in the Scope of Work.

LABOR

Task Number	Task Description	Sr. Engineer	Engineer	Engineer		Project Manager	Admin	Total Hours	Total Labor:
		$250.00	$205.00	$175.00		$225.00	$90.00		
1	**Kickoff and Status Meetings**	5.0	5.0	5.0		6.0	5.0	26.0	$ 4,950.00
	assumes 1 kickoff, meeting after task 4, meeting after task 7, final meeting								
2	**Data Collection**								
	Site visit	8.0	8.0	8.0			6.0	30.0	$ 5,580.00
	Existing distribution system review		2.0					2.0	$ 410.00
	Site plan		2.0					2.0	$ 410.00
	Data review and utility analysis		2.0	4.0				6.0	$ 1,110.00
	Memo					4.0	6.0	10.0	$ 1,440.00
3	**Route Analysis**								
	Proposed battery size review	2.0		4.0		2.0		8.0	$ 1,650.00
	Route analysis			4.0				4.0	$ 700.00
	Memo			3.0		2.0	3.0	8.0	$ 1,245.00
4	**Conceptual Charging Strategy**								
	Develop Charging Strategy & QA	2.0	8.0	10.0		2.0		22.0	$ 4,340.00
	Memo	2.0		4.0		3.0	2.0	11.0	$ 2,055.00
5	**Electric Utility Analysis**								
	Meetings with Utility		4.0			2.0		6.0	$ 1,270.00
	Determine cost of upgrades	2.0	3.0					5.0	$ 1,115.00
	Determine the charging load profile			8.0				8.0	$ 1,400.00
	Memo	2.0	1.0			4.0	4.0	11.0	$ 1,965.00
6	**Concept Dev and Phasing Plan**								
	Conceptual Plan for fleet	2.0	8.0			2.0	4.0	16.0	$ 2,950.00
	Phasing Plan	1.0	6.0					7.0	$ 1,480.00
	Review Electrical Distribution System	1.0	6.0	2.0				9.0	$ 1,830.00
	Concept site plan, one-line diagram, plan	1.0	4.0			1.0	1.0	7.0	$ 1,385.00
7	**Transition Plan Cost Estimates**								
	Devleop project cost estimates	2.0	8.0	2.0		4.0	1.0	17.0	$ 3,480.00
8	**Report**								
	final report wiriting	2.0	6.0	6.0		6.0	6.0	26.0	$ 4,670.00
	QA	2.0	2.0	2.0		3.0		9.0	$ 1,935.00
	Draft/Final Report and Presentation	1.0	1.0	1.0		4.0		7.0	$ 1,530.00
		$7,500.00	$14,555.00	$10,150.00		$8,775.00	$2,970.00	**231.0**	**$ 48,900.00**
		35.0	76.0	63.0	0.0	45.0	38.0		

EXPENSES

Item	Total Cost
Mileage, printing, meals	$800.00
INSTRUMENTATION (Camera and Apparatus, Infrared Camera)	
	.

Total Expenses $800.00

Version: 1.0
Date: March 28, 2022

PROJECT BUDGET

FOR: South Seneca Central School District - Green Clean Energy Solutions Application

Complete the Budget Template below or equivalent. Provide total study costs and list the Customer and NYSERDA cost-share within the Scope of Work. The budget should be broken down according to task and potential EEMs as identified during the onsite walk-through and listed in the Scope of Work.

LABOR									
Task Number	Task Description	Sr. Engineer	Engineer	Engineer		Project Manager	Admin	**Total Hours**	**Total Labor:**
		$250.00	$205.00	$175.00		$225.00	$90.00		

Total Budget	**$49,700.00**
NYSERDA Cost-Share*	**$37,275.00**
Customer Cost-Share	**$12,425.00**

Exhibit A-2
Attachment B-3 Program Terms & Conditions

Please refer to https://portal.nyserda.ny.gov/CORE_Solicitation_Document_Page?documentId=a0lt0000001aVisAAE for the current Program Terms & Conditions.

Exhibit A-3
Attachment B-1: Study Report Requirements

Please refer to https://www.nyserda.ny.gov/-/media/Project/Nyserda/Files/Programs/FlexTech/Attachment-B-1-Study-Report-Requirements.pdf for the current Final Report Requirements.

Exhibit A-4
Attachment B-2: Project Summary Sheet

Please refer to https://www.nyserda.ny.gov/-/media/Project/Nyserda/Files/Programs/FlexTech/Project-Summary-Sheet.xlsm for the current Project Summary Sheet.

Appendix E - Cutsheets

CAMBER

22-24 kW

CAMBER
CHARGING SYSTEMS

RELIABLE DC FAST CHARGING FOR FLEETS

The Camber 22-24 kW Wallbox Charger is ideal for fleets with smaller battery EVs who want an All-in-One Solution.

Single-Phase or Three-Phase input power options allow for flexible installation, which can reduce infrastructure costs.

The compact 22-24 kW Wallbox can be mounted on a wall or on an optional pedestal with cable management for flexible installation.

Remote monitoring and intelligent diagnostics allow for quick issue resolution and efficient field service. Broad voltage range (up to 920 VDC) ensures compatibility with both today's and next generation electric vehicles.

- OCPP 1.6 Compliant and 4G Enabled
- 200A CCS1 Cable



WALL MOUNTED CHARGER

getcamber.com

22-24 kW

CAMBER CHARGING SYSTEMS

WALL MOUNTED CHARGER

DC OUTPUT	SINGLE PHASE	THREE PHASE
Maximum Power [kW]	19.5 kW at 208 V 22.5 kW at 240 V	24 kW Peak; 22.5 kW Continuous
Voltage Range [V]	150 – 920 VDC	
Output Current	60 [A]	
Available Connectors	CCS-1	
Maximum Number of EVs Charging Simultaneously	1	
AC INPUT FOR DC OUTPUT	**SINGLE PHASE**	**THREE PHASE**
Voltage [V]	208-240 VAC +/- 10% (60 Hz)	480Y/277 VAC +/- 10% (60 Hz)
AC Input Power Connection	L1, L2, GND	L1, L2, L3, N, GND
AC Input Current and Max Power	100 A; 20.8-24 kVA	32 A; 26.6 kVA 35 A; 26 kVA at 432 VAC (-10% dip)
Recommended Upstream Circuit Breaker	125A	50A
Power Factor	> 0.96	
Current THD	IEE519 compliant 5%	
Frequency [Hz]	60	
Efficiency	94%	
GENERAL	**SINGLE PHASE**	**THREE PHASE**
Interface	7" Full Color Touchscreen Display	
	RFID Card Reader	
	Emergency Stop Pushbutton	
Protections	IP54, NEMA 3S	
Cable Length [ft]	23 ft	
Operating Temperature	From -31° F to 131° F (with linear derating above 113° F)	
Relative Humidity	From 5% to 95%	
Maximum Altitude (above sea level)	≤ 8,200 ft	
Communications	Ethernet + OCPP 1.6 + 4G Connectivity	
Dimensions (W x D x H) [ft]	30.3" x 23" x 11.8" without Pedestal	
Weight	132 lbs excluding Backplate (22 lbs) and Cables	
Certifications	UL 2202, CSA No. 107.1-16, NEC Article 625, DIN 70121, ISO 15118	
Optional Pedestal	Pedestal with Solar Powered LED Lighting, Removable Front Panel for Conduit, Mounting and Service Access, Cable Management, Corrosion-Resistant Lightweight Aluminum Construction, Optional Integrated AC Disconnect Means, Mounting Hardware. Allows for ADA Compliant Installation.	

CAMBER

CAMBER
CHARGING
SYSTEMS

INDUSTRIAL SERIES

RELIABLE DC FAST CHARGING FOR FLEETS

The Camber Industrial Series charging system is designed explicitly for fleet applications.

Available in 60 kW, 90 kW, 120 kW, 150 kW and 180 kW configurations. Charge up to 3 vehicles from the same charger with automated, multi-dispenser configurations, including up to 3 single-cable dispensers.

Dispensers can be sited separately (up to 500 feet away) from the charging cabinet, enabling greater flexibility in design and configuration for fleets.

Remote monitoring, intelligent diagnostics and a modular design allows for quick issue resolution and efficient field service.

Broad voltage range (up to 1000 VDC) ensures compatibility with both today's and next generation electric vehicles.

- OCPP Compliant and 4G Enabled
- Small Footprint
- Multi-Dispenser Option
- Supports CCS1 & Pantograph Options



Camber charging systems are compliant with Federal DOT Buy America requirements

getcamber.com

CAMBER

CAMBER CHARGING SYSTEMS

ELECTRICAL OUTPUT					
Continuous DC Output Power	60 kW	90 kW	120 kW	150 kW	180 kW
DC Output Voltage	150–1000 VDC				
Continuous DC Output Current	200A, 500A Pantograph (Optional)			300A, 500A Pantograph (Optional)	
ELECTRICAL INPUT					
AC Input Power	63 kVA	95 kVA	126 kVA	158 kVA	189 kVA
AC Input Current	76A	114A	152A	190A	227A
AC Input Voltage	480 V +/- 10%				
AC Input Topology	5-wire WYE (3ph + N + GND)				
AC Input Frequency	60 Hz				
Current THD% at Full Power	<3%				
Power Factor	>0.99				
Efficiency	95%				
MECHANICAL					
Cooling	Integrated Air Cooling				
Weight	825 lbs	880 lbs	935 lbs	990 lbs	1056 lbs
Dimensions (D x W x H)	31.2 in x 39.6 in x 79.2 in | 80 cm x 100 cm x 200 cm				
Required Side Door Clearance	None				
Required Front and Rear Clearance	1000 mm				
ENVIRONMENTAL					
Environmental Rating	NEMA 3R				
Maximum Altitude	3000 m | 9800 ft (Power Derates Above 2000 m | 6500 ft)				
Operating Temperature	-22° F to 122° F | -30° C to 50° C				
Operating Humidity	4–95%				
MISC					
Approved Charger-to-Vehicle Interfaces	CCS1 Industrial Dispenser J3105-1 Infrastructure-Down Pantograph				
Approved Number of Dispensers per Power Cabinet	Up to 4 Single Cable Dispensers				
Sequential Charging Capabilities	1 @ 60 kW	1 @ 90 kW	1 @ 120 kW	1 @ 150 kW	1 @ 180 kW
Simultaneous Charging Capabilities	-	-	2 @ 60 kW	-	3 @ 60 kW
Power Cabinet to Dispenser or Pantograph Control Box Communications	Modbus TCP via Fiber Optic				
Max Distance between Power Cabinet and Dispenser	500 ft | 152.4 m (Fiber Optic)				
Management Communications	OCPP 1.6 control via 4G Cellular (Standard) Supports WiFi, Ethernet (Optional)				
Certifications	UL 2202, NEC 625, FCC Part 15 Class A				

CE SERIES
ELECTRIC



IC BUS® ECE SERIES SCHOOL BUS

THE NEXT-GENERATION IC BUS® CE SERIES SCHOOL BUS

PUTTING SAFETY FIRST

- Standard electronic stability control
- Bendix® Intellipark® electronic parking brake standard
- No Student Left Behind® child monitor system
- Single-panel glass on entrance door for improved driver visibility
- IC Bus® Full View Camera Technology™ by Rosco® (optional)
- Entrance Door Alerts integrated into Dash Cluster; providing door ajar alerts if vehicle in motion & door is not properly closed

DRIVERFIRST™ ENVIRONMENT

- Standard 'wing' style instrument panel, angled toward driver
- State of the Art digital instrument cluster, including visibility to state-of-charge, estimated range and more!
- Standard Driver HVAC system with adjustable controls for driver comfort
- Standard stalk shifter for transmission control; optional push button shifter
- Steering wheel switches/controls are integrated, backlit, and color-coded
- USB-A and USB-C charging ports standard
- Driver cup holder
- LED interior dome & stepwell lights, available dimmer option

DURABILITY & SERVICEABILITY

- Meets or exceeds FMVSS/CMVSS
- 16-gauge steel, 90G/90G galvanized coating on steel body for enhanced corrosion resistance
- 14 gauge steel threaded body bows with continuous runners connecting all roof bows for superior strength
- Spot-welded body construction & framer assembled front end
- Optional Naviflex coating available on the bumpers — for optimal corrosion resistance
- Improved accessibility to routine maintenance items
- 'Hood assist' dual spring struts – wide opening for serviceability

CONNECTIVITY FOR ON-TIME PERFORMANCE

- All vehicles include factory-installed telematics with 5-year connectivity subscription
- OnCommand® Connection
  - 24/7 diagnostics and predictive maintenance tools
  - Real-time tracking and monitoring
- IC Bus® 360
  - Seamless communications with dealers and up-to-date repair status
  - Complete VIN-based information with specs, complete parts catalog, remote health data, and more
  - Online service request initiation and estimate approvals
  - Complete service history, up-to-date campaign information, and engine calibration status

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- **GVWR**
  - Up to 35,000 lbs.
- **Capacity**
  - Up to 78 passengers
- **Wheelbase Options**
  - 217", 254", 276" or 289"
- **Single Rear Axle (4x2)**
  - Dana Spicer: 21,000 or 23,000 lbs.
- **Front Axle**
  - Meritor: 10,000 or 12,000 lbs.
- **Frame**
  - Heat-treated alloy steel (120,000 PSI)
- **Front Suspension**
  - Parabolic taper leaf: 10,000 or 12,000 lbs.
- **Rear Suspension**
  - International® Ride Optimized Suspension (IROS) Air: 21,000 or 23,000 lbs.
- **12V Electrical System**
  - Enersys Odyssey 12V 2300 CCA
- **Brakes**
  - Air disc brakes with ESC and ABS
  - Optional hydraulic brakes
- **Direct Drive Motor**
  - 650-volt, 6-phase permanent magnet motor
- **Tires**
  - 254", 276" & 289" wheelbase: 11R22.5 front and rear
  - 217" wheelbase: 255/70R22.5 front and rear
- **Rear Axle Ratio**
  - 5.57 or 6.83
- **Regenerative Braking**
  - Driver selectable, three levels
- **Peak Power**
  - 255 kW or 342 hp
- **Powertrain Batteries and Range Options**
  - 210 kWh (135 miles)
  - 315 kWh (200+ miles)
- **Charge Port**
  - Front standard or optional rear location
- **Charging**
  - Standard AC and DCFC charging ready
- **Fuel-Fired Heater**
  - Optional, left side
- **Kajeet SmartBus™ wifi available**
- **V2G Capability available**

www.ICBus.com

Note: The information and conclusions contained herein are believed to be correct at time of publication, but do not necessarily apply to similar vehicles with different specifications or with production dates after the production of this publication. Vehicles with different specifications or later dates of production may yield different results. Vehicle specifications are subject to change without notice. BAD 21001 01/2024

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LIONA

Technical Specifications*





WEIGHT & DIMENSIONS

Vehicle Length	313 in.
Vehicle Width	96 in.
Vehicle Height	111 in.
Wheelbase	143 in.
Gross Vehicle Weight Rating (GVWR)	22,350 lb
Capacity	Up to 24 passengers

ELECTRIC POWERTRAIN

Top Speed	60 mph
Maximum Power	160 kW • 215 HP
Maximum Torque	1,200 Nm
Ranges	75 - 150 miles
Battery Capacities	84 - 168 kWh
Motor & Inverter	SUMO LD • Dana TM4
Transmission	Direct drive No transmission
Charging Type	Level III (DC) – CCS Combo & Level II (AC) - J1772
Level II - Charging Time	
19.2 kW	3.4 - 8.75 hours
Level III - Charging Time	
24 kW 50 kW	3.5 - 7 hours 2 - 3.5 hours

CHASSIS

Front Axle	9,180 lb
Rear Axle	13,170 lb
Suspension	
Standard Optional	Spring suspension LiquidSpring suspension
Braking	Hydraulic disc brakes

*** SPECIFICATIONS ARE SUBJECT TO CHANGE.**

All-Electric
Mini School Bus

LION ELECTRIC

thelionelectric.com

Clean savings. Cleaner air. For our kids and community.

Lion is building today's ultimate electric school bus. Our vehicles are designed for kids with special needs in mind and **purpose-built** to optimize your transportation experience and ensure the safety of everyone on board..

The LIONA, all-electric mini school bus, is a turnkey solution of efficiency, performance, and sustainability.

The LionExperience:

- Grant writing and ability to leverage fundings
- Charging infrastructure design and project management
- Complete onboarding trainings
- Purpose-designed EV telematic system

Make your next move a bright one.

Savings Electric VS. Diesel

80%

ENERGY COST REDUCTION

60%

MAINTENANCE COST REDUCTION

1. ZERO-EMISSION SOLUTION
2. PROVEN SAFETY RECORDS
3. LOWEST TOTAL COST OF OWNERSHIP
4. REDUCTION OF MAINTENANCE DOWN TIME
5. BEST-IN-CLASS DRIVING EXPERIENCE
6. NO NOISE POLLUTION
7. FULLY CONFIGURABLE INTERIOR





Appendix F - Information Received from Client

VEHICLE #	NAME	ROUTE/ALIAS	DESCRIPTION	# OF STOPS	D. H. MILES	DISTANCE	VEHICLE CAP	# ASSIGNED	START TIME	FINISH TIME	0-00 ACTIVITY MILES	0-15 ACTIVITY MILES	0-45 ACTIVITY MILES	0-20 ACTIVITY MILES	PRIVATE SCHOOL ACTIVITY MILES	EXTRA DAILY	TOTAL APPROX. DAILY MILES
2	HS West - Route 07 - AM	Route 007	SILVA, EMMA	13	2.660146	10.7936	72	37	6:20:00 AM	7:05:00 AM							
2	Candlewood - Route 07 - AM	Route 007	SILVA, EMMA	15	2.608961	8.226755	72	22	7:05:00 AM	7:40:00 AM							
2	Vanderbilt Elem - Rt 07 - AM	Route 007	SILVA, EMMA	18	3.529131	9.367212	72	37	8:23:00 AM	9:05:00 AM							
2	HS West - Route 07 - PM	Route 007	SILVA, EMMA	14	2.840917	10.47501	72	37	2:06:00 PM	2:48:00 PM	15						92
2	Candlewood - Route 07 - PM	Route 007	SILVA, EMMA	15	4.851737	9.526375	72	22	2:29:00 PM	3:01:00 PM							
2	Vanderbilt Elem - Rt 07 - PM	Route 007	SILVA, EMMA	18	2.559812	7.545641	72	37	3:11:00 PM	3:50:00 PM							
8	HS East - Route 72 - AM	Route 072	COUPET, MAGGIE	15	2.211196	10.06656	72	54	6:20:00 AM	7:05:00 AM	15						96
8	Signal Hill Elem - Rt 72 - AM	Route 072	COUPET, MAGGIE	23	0.5990721	6.603736	72	51	8:30:00 AM	9:05:00 AM							
8	HS East - Route 72 - PM	Route 072	COUPET, MAGGIE	16	3.734218	10.48737	72	54	2:06:00 PM	2:48:00 PM							
8	Shuttle WH To HSE, HSW & CW - PM	Route 072	COUPET, MAGGIE	3	0	16.7	72	0	2:45:00 PM	2:55:00 PM							
8	Signal Hill Elem - Rt 72 - PM	Route 072	COUPET, MAGGIE	24	4.904584	12.24805	72	50	3:20:00 PM	4:15:00 PM							
9	HS West - Route 42 - AM	Route 042	MARTINEZ, MARIA	15	5.590165	7.40213	72	29	6:16:00 AM	7:05:00 AM							
9	Candlewood - Route 42 - AM	Route 042	MARTINEZ, MARIA	26	4.317928	7.635273	72	35	7:03:00 AM	7:40:00 AM							
9	Otsego Elem - Rt 42 - AM	Route 042	MARTINEZ, MARIA	24	2.066449	6.61251	72	51	8:30:00 AM	9:05:00 AM							
9	HS West - Route 42 - PM	Route 042	MARTINEZ, MARIA	17	3.18	11.23	72	28	2:06:00 PM	2:45:00 PM			15		40 - bus 66 Chaminade		77
9	Candlewood - Route 42 - PM	Route 042	MARTINEZ, MARIA	26	1.367634	4.567222	72	35	2:40:00 PM	3:06:00 PM							
9	Otsego Elem - Rt 42 - PM	Route 042	MARTINEZ, MARIA	24	1.167634	8.382469	72	51	3:20:00 PM	4:07:00 PM							
10	HS East - Route 32 - AM	Route 032	MESA, MARGARET	18	3.48	9.18	72	30	6:35:00 AM	7:05:00 AM							
10	HS East - Route 32 - PM	Route 032	MESA, MARGARET	18	3.484629	9.183398	72	30	6:35:00 AM	7:05:00 AM	15				10		95
10	West Hollow MS - Rt 32 - AM	Route 032	MESA, MARGARET	17	5.936642	13.70608	72	24	6:51:00 AM	7:40:00 AM							
10	Sunquam Elem - Rt 32 - AM	Route 032	MESA, MARGARET	16	1.78	3.84	72	19	8:45:00 AM	9:05:00 AM							
10	West Hollow MS - Rt 32 - PM	Route 032	MESA, MARGARET	17	3.370898	10.9214	72	24	2:40:00 PM	3:27:00 PM							
10	Sunquam Elem - Rt 32 - PM	Route 032	MESA, MARGARET	16	2.22	4.15	72	19	3:20:00 PM	3:43:00 PM							
11	HS East - Route 27 - AM	Route 027	CHERY, HENDRICKSEN	15	4.48	11.81	72	29	6:16:00 AM	7:05:00 AM							
11	West Hollow MS - Rt 27 - AM	Route 027	CHERY, HENDRICKSEN	19	2.51	12.51	72	26	6:48:00 AM	7:40:00 AM							
11	Signal Hill Elem - Rt 27 - AM	Route 027	CHERY, HENDRICKSEN	17	0.8010215	8.955533	72	32	8:26:00 AM	9:05:00 AM		10					98
11	HS East - Route 27 - PM	Route 027	CHERY, HENDRICKSEN	16	3.6	12.15	72	29	2:06:00 PM	2:49:00 PM							
11	West Hollow MS - Rt 27 - PM	Route 027	CHERY, HENDRICKSEN	19	2.16	12.38	72	26	2:50:00 PM	3:44:00 PM							
11	Signal Hill Elem - Rt 27 - PM	Route 027	CHERY, HENDRICKSEN	18	4.525662	11.20505	72	32	3:13:00 PM	4:04:00 PM							
12	HS East - Route 09 - AM	Route 009	ASMAN, JEFFREY	12	4.773006	12.20977	72	19	6:17:00 AM	7:05:00 AM		8		25		46	94
12	West Hollow MS - Rt 09 - AM	Route 009	ASMAN, JEFFREY	14	1.613988	6.791496	72	16	7:11:00 AM	7:40:00 AM							
12	Shuttle HSE to West Hollow MS-AM	Route 009	ASMAN, JEFFREY	2	0	3.7	72	23	8:05:00 AM	8:20:00 AM							
12	Sunquam Elem - Rt 09 - AM	Route 009	ASMAN, JEFFREY	23	4.543115	10.99603	72	48	8:18:00 AM	9:05:00 AM							
12	MD 2 - MP TECH to HSW/HSE - 10:40 AM	MID-DAY # 02	ASMAN, JEFFREY	4	0	5.3	72	20	10:40:00 AM	11:10:00 AM							
12	MD 2 - HSE/HSW to MP TECH - 11:25 AM	MID-DAY # 02	ASMAN, JEFFREY	3	0	5.1	72	20	11:25:00 AM	11:45:00 AM							
12	HS East - Route 09 - PM	Route 009	ASMAN, JEFFREY	12	3.882402	12.07824	72	19	2:06:00 PM	2:48:00 PM							
12	West Hollow MS - Rt 09 - PM	Route 009	ASMAN, JEFFREY	15	2.249513	7.64689	72	17	2:40:00 PM	3:14:00 PM							
12	Sunquam Elem - Rt 09 - PM	Route 009	ASMAN, JEFFREY	23	1.65554	8.04542	72	48	3:20:00 PM	4:00:00 PM							
17	HS East - Route 70 - AM	Route 070	JEAN FRANCOIS, MACHLY	14	4.06	12.93	72	44	6:10:00 AM	7:05:00 AM							
17	West Hollow MS - Rt 70 - AM	Route 070	JEAN FRANCOIS, MACHLY	19	2.82	10.66	72	33	6:54:00 AM	7:40:00 AM							
17	Paumanok Elem - Rt 70 - AM	Route 070	JEAN FRANCOIS, MACHLY	7	1.36	7.36	72	37	8:32:00 AM	9:05:00 AM							
17	HS East - Route 70 - PM	Route 070	JEAN FRANCOIS, MACHLY	15	3.115025	11.47292	72	44	2:06:00 PM	2:49:00 PM	10		10				89
17	West Hollow MS - Rt 70 - PM	Route 070	JEAN FRANCOIS, MACHLY	19	0.38	3.57	72	34	2:50:00 PM	3:11:00 PM							
17	Paumanok Elem - Rt 70 - PM	Route 070	JEAN FRANCOIS, MACHLY	7	2.4	9.22	72	37	3:20:00 PM	4:04:00 PM							
18	HS East - Route 21 - AM	Route 021	MORALES, GABRIEL	13	5.17	14.51	72	10	6:09:00 AM	7:05:00 AM							
18	West Hollow MS - Rt 21 - AM	Route 021	MORALES, GABRIEL	18	3.38811	11.94009	72	33	6:50:00 AM	7:40:00 AM							
18	Paumanok Elem - Rt 21 - AM	Route 021	MORALES, GABRIEL	24	3.927876	10.4496	72	45	8:17:00 AM	9:05:00 AM			15				105
18	HS East - Route 21 - PM	Route 021	MORALES, GABRIEL	14	4.97	13.94	72	10	2:06:00 PM	2:49:00 PM							
18	West Hollow MS - Rt 21 - PM	Route 021	MORALES, GABRIEL	18	0.6603625	8.191888	72	33	2:40:00 PM	3:21:00 PM							
18	Paumanok Elem - Rt 21 - PM	Route 021	MORALES, GABRIEL	24	2.625	8.504729	72	40	3:20:00 PM	4:10:00 PM							
20	HS East - Route 34 - AM	Route 034	MADDY, ANDRE	23	2.031307	11.65661	72	38	6:14:00 AM	7:05:00 AM							
20	West Hollow MS - Rt 34 - AM	Route 034	MADDY, ANDRE	10	3.07	8.03	72	18	7:08:00 AM	7:40:00 AM	10		15				117
20	Signal Hill Elem - Rt 34 - AM	Route 034	MADDY, ANDRE	24	4.12	11.79	72	47	8:12:00 AM	9:05:00 AM							
20	HS East - Route 34 - PM	Route 034	MADDY, ANDRE	24	4.08	13.68	72	38	2:06:00 PM	2:54:00 PM							
20	West Hollow MS - Rt 34 - PM	Route 034	MADDY, ANDRE	10	4.8	12.02	72	18	2:40:00 PM	3:28:00 PM							
20	Signal Hill Elem - Rt 34 - PM	Route 034	MADDY, ANDRE	24	4.437433	12.04571	72	47	3:20:00 PM	4:13:00 PM							
21	HS East - Route 01 - AM	Route 001	DECEMBRE, PIERRE	17	3.555888	12.66858	66	33	6:11:00 AM	7:05:00 AM							
21	West Hollow MS - Rt 01 - AM		DECEMBRE, PIERRE	7	5.34	9.12	66	21	7:04:00 AM	7:40:00 AM							
21	Sunquam Elem - Rt 01 - AM	Route 001	DECEMBRE, PIERRE	18	4.07	9.98	66	36	8:22:00 AM	9:05:00 AM							
21	HS East - Route 01 - PM	Route 001	DECEMBRE, PIERRE	16	0	8.290931	66	31	2:10:00 PM	2:51:00 PM		15			31		139
21	West Hollow MS - Rt 01 - PM	Route 001	DECEMBRE, PIERRE	7	1.61	5.12	66	21	2:50:00 PM	3:14:00 PM							
21	Sunquam Elem - Rt 01 - PM	Route 001	DECEMBRE, PIERRE	18	4.09	10.44	66	36	3:20:00 PM	4:09:00 PM							
22	HS East - Route 66 - AM	Route 066	MENDOZA, GEORGE	19	2.950641	9.960891	72	42	6:20:00 AM	7:05:00 AM							
22	Otsego Elem - Rt 66 - AM	Route 066	MENDOZA, GEORGE	22	5.05	9.05	72	43	8:39:00 AM	9:05:00 AM							
22	HS East - Route 66 - PM	Route 066	MENDOZA, GEORGE	24	8.691035	16.01957	72	42	2:00:00 PM	2:54:00 PM							
22	West Hollow MS - Rt 66 - PM	Route 066	MENDOZA, GEORGE	13	3.368566	9.76555	72	23	2:40:00 PM	3:23:00 PM							
22	Otsego Elem - Rt 66 - PM	Route 066	MENDOZA, GEORGE	21	0.09	3.93	72	41	3:20:00 PM	3:44:00 PM							
24	HS West - Route 58 - AM	Route 058	HOLLEY, WILLIAM	14	2.928855	9.453436	72	26	6:25:00 AM	7:05:00 AM	10					15	70
24	Shuttle HSW to HSE - AM*	Route 058	HOLLEY, WILLIAM	2	0	2.5	72	22	7:05:00 AM	7:09:00 AM							
24	Vanderbilt Elem - Rt 58 - AM	Route 058	HOLLEY, WILLIAM	19	3.72	9.89	72	36	8:21:00 AM	9:05:00 AM							
24	MD 9- HSW to CVS Commack - 11:50 AM	MID-DAY # 09	HOLLEY, WILLIAM	MON. STAND BY		17.2			11:50:00 AM	12:50:00 PM							
24	MD 9 - HSW to ShopRite Commack- 11:50 AM	MID-DAY # 09	HOLLEY, WILLIAM	2	0	17.6	72	0	11:50:00 AM	1:00:00 PM							
24	HS West - Route 58 - PM	Route 058	HOLLEY, WILLIAM	15	3.185771	9.034085	72	26	2:06:00 PM	2:39:00 PM							
24	AHAP #2 @ CANDLEWOOD- 2:40	Route 058	HOLLEY, WILLIAM	4	0	8	72	0	2:40:00 PM	3:10:00 PM							
24	Vanderbilt Elem - Rt 58 - PM	Route 058	HOLLEY, WILLIAM	MAJESTIC / ARISTA	19	1.24	6.16	72	34	3:20:00 PM	3:49:00 PM						
27	HS East - Route 13 - AM	Route 013	GARCIA, ESPERANZA	BLACK OAK CT;CARMAN RD;COUNTRY POINTE	14	2.709924	7.867681	72	21	6:32:00 AM	7:05:00 AM						
27	West Hollow MS - Rt 13 - AM	Route 013	GARCIA, ESPERANZA	WILDWOOD;RUSTIC GATE;RYDER	16	2.61	10.22	72	29	6:57:00 AM	7:40:00 AM						
27	Paumanok Elem - Rt 13 - AM	Route 013	GARCIA, ESPERANZA	RUSTIC GATE;WILDWOOD	19	1.09	5.84	72	37	8:36:00 AM	9:05:00 AM						
27	MD 8 - HSW to ShopRite & CVS (DP) - 11:50 AM	MID-DAY # 08	GARCIA, ESPERANZA		3	0	9.8	72	0	11:50:00 AM	1:00:00 PM						
27	MD - HSW To Walgreens (DP) - 11:50 AM	MID-DAY # 08	GARCIA, ESPERANZA		2	0	10.7	72	0	11:50:00 AM	1:00:00 PM						
27	HS East - Route 13 - PM	Route 013	GARCIA, ESPERANZA	BLACK OAK CT;CARMAN RD;COUNTRY POINTE	15	5.857986	10.03962	72	21	2:06:00 PM	2:39:00 PM	15					87
27	West Hollow MS - Rt 13 - PM	Route 013	GARCIA, ESPERANZA	WILDWOOD;RUSTIC GATE;RYDER	13	2.35	9.22	72	29	2:40:00 PM	3:20:00 PM						
27	Paumanok Elem - Rt 13 - PM	Route 013	GARCIA, ESPERANZA	RUSTIC GATE;WILDWOOD	19	4.54	9.54	72	37	3:20:00 PM	4:07:00 PM						
28	HS West - Route 80 - AM	Route 080	GUIDA, JOANN	HUNTING HILL;PEPPERMILL;STONYWELL	16	7.622652	14.69559	72	33	6:06:00 AM	7:05:00 AM	15			40 - bus 68 Kellenberg		87
28	Vanderbilt Elem - Rt 80 - AM	Route 080	GUIDA, JOANN	VANDERBILT PKWY / RANDOLPH / VILLAGE HILL	24	3.44	10.39	72	45	8:18:00 AM	9:05:00 AM						
28	HS West - Route 80 - PM	Route 080	GUIDA, JOANN	HUNTING HILL;PEPPERMILL;STONYWELL	17	9.007092	17.37218	72	33	1:54:00 PM	2:53:00 PM						
28	Vanderbilt Elem - Rt 80 - PM	Route 080	GUIDA, JOANN	VANDERBILT PKWY / RANDOLPH / VILLAGE HILL	24	1.3	8.51	72	44	3:20:00 PM	3:56:00 PM						
29	HS East - Route 59 - AM	Route 059	ANTONELLI, ROBERT	ARCADIA, WOODLAWN,CLARENDON,,LONGWORTH	16	3.41	8.56	72	34	6:27:00 AM	7:05:00 AM						
29	Candlewood - Route 59 - AM	Route 059	ANTONELLI, ROBERT	PEPPERMILL / STONYWELL	13	0	5.402098	72	19	7:16:00 AM	7:40:00 AM						
29	Shuttle HSW to Candlewood MS- AM	Route 059	ANTONELLI, ROBERT		2	0	4.8	72	11	8:03:00 AM	8:18:00 AM						
29	HS East - Route 59 - PM	Route 059	ANTONELLI, ROBERT	ARCADIA, WOODLAWN,CLARENDON,,LONGWORTH	17	4.659067	9.559176	72	34	2:06:00 PM	2:41:00 PM	10				9	64
29	Candlewood - Route 59 - PM	Route 059	ANTONELLI, ROBERT	PEPPERMILL / STONYWELL	13	1.622948	8.98466	72	19	2:40:00 PM	3:11:00 PM						
30	HS East - Route 05 - AM	Route 005	LINSALATA, MICHAEL	HILLTOP; PHAETONS & OLD COUNTRY RD	11	5.2589	11.8898	72	15	6:19:00 AM	7:05:00 AM						
30	West Hollow MS - Rt 05 - AM	Route 005	LINSALATA, MICHAEL	ROUND SWAMP RD;MANETTO HILL RD;PHAETONS	13	5.66	12.94	72	19	6:49:00 AM	7:40:00 AM						
30	Sunquam Elem - Rt 05 - AM	Route 005	LINSALATA, MICHAEL	BEECHWOOD / DOGWOOD / MELVILLE RD	30	3.67474	12.47299	72	49	8:08:00 AM	9:05:00 AM						
30	MD 3 - NTHPT TECH to HSW/& HSE- 10:40 AM	MID-DAY # 03	LINSALATA, MICHAEL		3	0	18.1	72	12	10:40:00 AM	11:05:00 AM						
30	MD 3 - HSE/HSW to NTHPT TECH - 11:25 AM	MID-DAY # 03	LINSALATA, MICHAEL		3	0	18.3	72	12	11:25:00 AM	11:40:00 AM						
30	HS East - Route 05 - PM	Route 005	LINSALATA, MICHAEL	HILLTOP; PHAETONS & OLD COUNTRY RD	12	3.474288	12.80199	72	15	2:06:00 PM	2:42:00 PM						
30	West Hollow MS - Rt 05 - PM	Route 005	LINSALATA, MICHAEL	ROUND SWAMP RD;MANETTO HILL RD;PHAETONS	13	1.36	11.67	72	16	2:50:00 PM	3:37:00 PM	15		20			130
30	Sunquam Elem - Rt 05 - PM	Route 005	LINSALATA, MICHAEL	BEECHWOOD / DOGWOOD / MELVILLE RD	30	1.905602	12.33651	72	49	3:20:00 PM	4:16:00 PM						
31	HS West - Route 02 - AM	Route 002	VASQUEZ, NESTOR	LANDSCAPE, MAIN, WOODSTOCK,W. FARM DR	17	2.055511	7.778741	75	47	6:28:00 AM	7:05:00 AM						
31	West Hollow MS - Rt 02 - AM	Route 002	VASQUEZ, NESTOR	MOMI;MONTROSE;REDMONT	11	3.07	8.41	72	15	7:06:00 AM	7:40:00 AM	10					84
31	Signal Hill Elem - Rt 02 - AM	Route 002	VASQUEZ, NESTOR	THREEPENCE; FARMINGTON; LONG DRIVE	23	1.162069	10.37544	72	39	8:18:00 AM	9:05:00 AM						
31	HS West - Route 02 - PM	Route 002	VASQUEZ, NESTOR	LANDSCAPE, MAIN, WOODSTOCK,W. FARM DR	18	5.54313	11.26705	72	49	1:55:00 PM	2:55:00 PM						
31	West Hollow MS - Rt 02 - PM	Route 002	VASQUEZ, NESTOR	MOMI;MONTROSE;REDMONT	11	3.17	7.54	72	15	2:40:00 PM	3:13:00 PM						
31	Signal Hill Elem - Rt 02 - PM	Route 002	VASQUEZ, NESTOR	THREEPENCE; FARMINGTON; LONG DRIVE	23	2.470842	11.69995	72	39	3:20:00 PM	4:16:00 PM						
32	HS East - Route 30 - AM	Route 030	REIMAN, KENNETH	WILMINGTON, TWELVEPENCE;BARRINGTON,BAUMONT;ROUNDTREE	18	0.97	7.06	72	29	6:32:00 AM	7:05:00 AM						
32	West Hollow MS - Rt 30 - AM	Route 030	REIMAN, KENNETH	NORTHCOTE;WILMINGTON	15	3.544887	0.092784	72	24	7:02:00 AM	7:40:00 AM						
32	Vanderbilt Elem - Rt 30 - AM	Route 030	REIMAN, KENNETH	DUPONT;HUNTING HOLLOW	16	1.99	10.86	72	28	8:20:00 AM	9:05:00 AM						
32	HS East - Route 30 - PM	Route 030	REIMAN, KENNETH	WILMINGTON, TWELVEPENCE;BARRINGTON,BAUMONT;ROUNDTREE	19	4.636598	10.49622	72	32	2:06:00 PM	2:49:00 PM	15		15			120
32	West Hollow MS - Rt 30 - PM	Route 030	REIMAN, KENNETH	NORTHCOTE;WILMINGTON	15	5.099573	9.705355	72	24	2:40:00 PM	3:23:00 PM						
32	Vanderbilt Elem - Rt 30 - PM	Route 030	REIMAN, KENNETH	DUPONT;HUNTING HOLLOW	17	1.83	15.02	72	27	3:01:00 PM	4:05:00 PM						
33	HS West - Route 40 - AM	Route 040	JOHNSON , DENNIS	WATERFORD; CONKLIN	19	2.1	8.03	72	46	6:27:00 AM	7:05:00 AM		10	15			110
33	West Hollow MS - Rt 40 - AM	Route 040	JOHNSON , DENNIS	CEDAR GROVE;CABROLET;LOUIS;OLD BRIDGE	11	2.92	12.38	72	12	6:54:00 AM	7:40:00 AM						
33	Sunquam Elem - Rt 40 - AM	Route 040	JOHNSON , DENNIS	Walt Whitman Rd / VILLAS DR / PALM HILL COURT	17	2.44	7.03	72	22	8:34:00 AM	9:05:00 AM						
33	HS West - Route 40 - PM	Route 040	JOHNSON , DENNIS	WATERFORD; CONKLIN	20	5.33	11.17	72	45	2:06:00 PM	2:47:00 PM						
33	West Hollow MS - Rt 40 - PM	Route 040	JOHNSON , DENNIS	CEDAR GROVE;CABROLET;LOUIS;OLD BRIDGE	11	2.92	12.38	72	12	2:50:00 PM	3:35:00 PM						
33	Sunquam Elem - Rt 40 - PM	Route 040	JOHNSON , DENNIS	Walt Whitman Rd / VILLAS DR / PALM HILL COURT	16	2.28	8.92	72	22	3:20:00 PM	3:51:00 PM						
34	HS West - Route 37 - AM	Route 037	BONAFACIO, LUIS	LEE AVE; PERRY LN; WILLOW	13	2.639693	7.807912	72	30	6:30:00 AM	7:05:00 AM						
34	Candlewood - Route 37 - AM	Route 037	BONAFACIO, LUIS	COBBLERS / SPINNING WHEEL	17	2.789287	8.201054	72	27	7:04:00 AM	7:40:00 AM						
34	Vanderbilt Elem - Rt 37 - AM	Route 037	BONAFACIO, LUIS	SUNSET / MIDLAND	11	3.91	9.02	72	24	8:28:00 AM	9:05:00 AM	12					96
34	HS West - Route 37 - PM	Route 037	BONAFACIO, LUIS	LEE AVE; PERRY LN; WILLOW	14	5.782614	10.90237	72	39	2:06:00 PM	2:44:00 PM						
34	Candlewood - Route 37 - PM	Route 037	BONAFACIO, LUIS	COBBLERS / SPINNING WHEEL	17	2.140685	8.431197	72	27	2:50:00 PM	3:21:00 PM						
34	Vanderbilt Elem - Rt 37 - PM	Route 037	BONAFACIO, LUIS	SUNSET / MIDLAND	12	0.94	13.35	72	24	3:11:00 PM	4:06:00 PM						
35	HS East - Route 17 - AM	Route 017	CURRAN, PATRICIA	FOX;DANNY CT; LONG DRIVE	14	0.63	4.89	72	38	6:41:00 AM	7:05:00 AM						
35	Candlewood - Route 17 - AM	Route 017	CURRAN, PATRICIA	CHABLIS / HUNTING HOLLOW / WESTMINSTER	16	1.458951	9.085951	72	19	7:02:00 AM	7:40:00 AM						
35	Paumanok Elem - Rt 17 - AM	Route 017	CURRAN, PATRICIA	STRAIGHT PATH-EAST, OLD COUNTRY RD	15	2.463285	9.310746	72	31	8:39:00 AM	9:05:00 AM			15			73
35	HS East - Route 17 - PM	Route 017	CURRAN, PATRICIA	FOX;DANNY CT; LONG DRIVE	15	5.536552	8.637552	72	38	2:06:00 PM	2:42:00 PM						
35	Candlewood - Route 17 - PM	Route 017	CURRAN, PATRICIA	CHABLIS / HUNTING HOLLOW / WESTMINSTER	17	1.126572	8.460171	72	22	2:50:00 PM	3:22:00 PM						
35	Paumanok Elem - Rt 17 - PM	Route 017	CURRAN, PATRICIA	STRAIGHT PATH-EAST, OLD COUNTRY RD	15	3.682982	6.951179	72	32	3:20:00 PM	3:55:00 PM						
36	HS West - Route 43 - AM	Route 043	HERNANDEZ, GLORIA	MARLIN; MILLET; WESTMINSTER	13	3.825948	9.293933	72	25	6:26:00 AM	7:05:00 AM						
36	Candlewood - Route 43 - AM	Route 043	HERNANDEZ, GLORIA	CHARTER / APRIL / MARLIN	24	4.84	9.07	72	47	6:57:00 AM	7:40:00 AM		15		30		112
36	Otsego Elem - Rt 43 - AM	Route 043	HERNANDEZ, GLORIA	CARLLS STRAIGHT PATH W & E	26	0.5728868	2.794414	72	47	8:43:00 AM	9:05:00 AM						
36	HS West - Route 43 - PM	Route 043	HERNANDEZ, GLORIA	MARLIN; MILLET; WESTMINSTER	14	2.978447	7.862297	72	25	2:06:00 PM	2:40:00 PM						
36	Candlewood - Route 43 - PM	Route 043	HERNANDEZ, GLORIA	CHARTER / APRIL / MARLIN	24	0.6503978	5.536011	72	47	2:50:00 PM	3:20:00 PM						
36	Otsego Elem - Rt 43 - PM	Route 043	HERNANDEZ, GLORIA	CARLLS STRAIGHT PATH W & E	26	0.5440618	2.835891	72	45	3:20:00 PM	3:46:00 PM						
37	HS East - Route 04 - AM	Route 004	LEO SOTO, FRANCISCO	ELDERWOOD, CATHERWOOD, FLEETWOOD & NY AVE	18	3.6	8.23	72	31	6:28:00 AM	7:05:00 AM						
37	West Hollow MS - Rt 04 - AM	Route 004	LEO SOTO, FRANCISCO	VILLAGES	12	3.14	8.93	75	22	7:10:00 AM	7:40:00 AM						
37	Signal Hill Elem - Rt 04 - AM	Route 004	LEO SOTO, FRANCISCO	FLEETWOOD;ELDERWOOD	17	3.465612	7.132434	72	43	8:31:00 AM	9:05:00 AM	10					77
37	HS East - Route 04 - PM	Route 004	LEO SOTO, FRANCISCO	ELDERWOOD, CATHERWOOD, FLEETWOOD & NY AVE	18	4.410342	8.860398	72	31	2:00:00 PM	2:30:00 PM						
37	West Hollow MS - Rt 04 - PM	Route 004	LEO SOTO, FRANCISCO	VILLAGES	13	4.4139	9.06074	72	22	2:40:00 PM	3:13:00 PM						
37	Signal Hill Elem - Rt 04 - PM	Route 004	LEO SOTO, FRANCISCO	FLEETWOOD;ELDERWOOD	17	2.285487	6.537629	72	43	3:20:00 PM	3:57:00 PM						
41	HS East - Route 19 - AM	Route 019	FLANC, APRIL	SCOTT;FIELDING;ENCLAVE	18	3.748597	10.75872	72	37	6:18:00 AM	7:05:00 AM						
41	West Hollow MS - Rt 19 - AM	Route 019	FLANC, APRIL	COUNTRY POINTE-COSTCO	8	6.67	9.09	72	9	7:04:00 AM	7:40:00 AM						
41	Sunquam Elem - Rt 19 - AM	Route 019	FLANC, APRIL	GAFFODIL / REEVES / SPAGNOLI (ext. stay)	13	3.2	9.99	72	33	8:23:00 AM	9:05:00 AM	15			14		111
41	HS East - Route 19 - PM	Route 019	FLANC, APRIL	SCOTT;FIELDING;ENCLAVE	19	5.559624	11.35408	72	39	2:06:00 PM	2:47:00 PM						
41	West Hollow MS - Rt 19 - PM	Route 019	FLANC, APRIL	COUNTRY POINTE-COSTCO	8	3.07	5.43	72	9	2:50:00 PM	3:13:00 PM						
41	Sunquam Elem - Rt 19 - PM	Route 019	FLANC, APRIL	GAFFODIL / REEVES / SPAGNOLI (ext. stay)	13	3.17	10.17	72	32	3:20:00 PM	4:06:00 PM						
42	HS East - Route 67 - AM	Route 067	SMITH, JAMES	MAIN,

VEHICLE #	NAME	ROUTE/ALIAS		DESCRIPTION	# OF STOPS	D. H. MILES	DISTANCE	VEHICLE CAP	# ASSIGNED	START TIME	FINISH TIME	5:00 ACTIVITY MILES	5:15 ACTIVITY MILES	4:45 ACTIVITY MILES	5:20 ACTIVITY MILES	PRIVATE SCHOOL ACTIVITY MILES	EXTRA DAILY	TOTAL APPROX. DAILY MILES
42	HS East - Route 67 - PM	Route 067	SMITH, JAMES	MAIN, ANDREWS,NICOLLS	12	4.419127	9.87087	72	41	2:06:00 PM	2:44:00 PM							
42	West Hollow MS - Rt 67 - PM	Route 067	SMITH, JAMES	CALUMET FIELDING,IBSEN,SCOTT,TRUXTON	17	0.19	7.13	72	31	2:40:00 PM	3:16:00 PM							
42	Paumanok Elem - Rt 67 - PM	Route 067	SMITH, JAMES	AVALON, COUNTRY POINTE	14	1.840906	8.704735	72	43	3:20:00 PM	3:57:00 PM							
43	HS West - Route 06 - AM	Route 006	BARONE, MARGARET	OIX HWY, PINE HILL CT., PERRI, LINCOLN & SHERWOOD CRESCENT	26	3.766627	11.36381	72	35	6:19:00 AM	7:05:00 AM		10		20			76
43	Shuttle HSE to HSW- AM*	Route 006	BARONE, MARGARET		2	0	2.5	72	10	7:10:00 AM	7:14:00 AM							
43	Otsego Elem - Rt 06 - AM	Route 009	BARONE, MARGARET	DEER PARK RD-EAST;OLD COUNTRY;OLD BROOK	24	0.3598346	6.079319	72	43	8:33:00 AM	9:05:00 AM							
43	MID 6 - HSW TO C/O With Para -	MID-DAY # 06	BARONE, MARGARET	MON, HSW -->DSW; 1919 e. Jericho tpke.(Katie Lewis w/ Para RET.10:30			9.5	add 6 mi		10:00:00 AM	10:30:00 AM							
43	MID 6 - HSW TO C/O With Para - 10:30	MID-DAY # 06	BARONE, MARGARET	MON. HSW -->DSW; 1919 e. Jericho tpke.(Katie Lewis w/ Para RET.10:30			9.5	add 6 mi		10:00:00 AM	10:30:00 AM							
43	HS West - Route 06 - PM	Route 006	BARONE, MARGARET	OIX HWY, PINE HILL CT., PERRI, LINCOLN & SHERWOOD CRESCENT	26	2.493786	10.00573	72	35	2:06:00 PM	2:44:00 PM							
43	AHAP @ CANDLEWOOD - 2:40	Route 006	BARONE, MARGARET		3	0	2	72	0	2:40:00 PM	2:59:00 PM							
43	Otsego Elem - Rt 06 - PM	Route 006	BARONE, MARGARET	DEER PARK RD-EAST;OLD COUNTRY;OLD BROOK	25	0.3299144	7.38417	72	43	3:20:00 PM	4:02:00 PM							
44	HS West - Route 35 - AM	Route 035	CROWDER, MARIE	APRIL, EUCLID, OLD COUNTRY RD	17	4.263	11.41435	72	39	6:16:00 AM	7:05:00 AM							
44	Candlewood - Route 35 - AM	Route 035	CROWDER, MARIE	VANDERBILT PKWY / SUNCREST	16	3.582856	11.18619	72	24	6:54:00 AM	7:40:00 AM							
44	Vanderbilt Elem - Rt 35 - AM	Route 035	CROWDER, MARIE	SLEEPY HOLLOW / RYDER / HAIG	20	2.738684	8.623357	72	28	8:27:00 AM	9:05:00 AM							
44	HS West - Route 35 - PM	Route 035	CROWDER, MARIE	APRIL, EUCLID, OLD COUNTRY RD	18	3.834987	11.2047	72	38	2:06:00 PM	2:48:00 PM		10					93
44	Candlewood - Route 35 - PM	Route 035	CROWDER, MARIE	VANDERBILT PKWY / SUNCREST	16	1.524029	8.245397	72	24	2:50:00 PM	3:20:00 PM							
44	Vanderbilt Elem - Rt 35 - PM	Route 035	CROWDER, MARIE	SLEEPY HOLLOW / RYDER / HAIG	21	5.010588	11.32994	72	26	3:11:00 PM	4:02:00 PM							
45	HS East - Route 63 - AM	Route 063	PEREZ, MYRNA	CAMBRIDGE, BENNINGTON,ARLINGTON,ROSS , MEADOWDALE DR	17	3.279132	9.353453	72	35	6:23:00 AM	7:05:00 AM							
45	West Hollow MS - Rt 63 - AM	Route 063	PEREZ, MYRNA	STRATHMORE;AVALON;REPUBLIC	9	5.480187	9.846595	72	31	7:00:00 AM	7:40:00 AM	20					14	87
45	HS East - Route 63 - PM	Route 063	PEREZ, MYRNA	CAMBRIDGE, BENNINGTON,ARLINGTON,ROSS , MEADOWDALE DR	19	3.685392	9.853365	72	35	2:06:00 PM	2:43:00 PM							
45	West Hollow MS - Rt 63 - PM	Route 063	PEREZ, MYRNA	STRATHMORE;AVALON;REPUBLIC	8	4.232712	7.721457	72	30	2:40:00 PM	3:16:00 PM							
46	HS East - Route 24 - AM	Route 024	SANCHEZ, RAMON	ARBOR, LISA, SEQUOIA, PEAR,SUSAN, BLUESPRUCE, MAGNOLIA, WOLF HILL RD	19	1.937218	8.537631	72	31	6:33:00 AM	7:05:00 AM							
46	West Hollow MS - Rt 24 - AM	Route 024	SANCHEZ, RAMON	HH RD;FOX;WEDGEWOOD;LONG DRIVE	19	0.92	8.75	72	30	7:01:00 AM	7:40:00 AM							
46	Vanderbilt Elem - Rt 24 - AM	Route 024	SANCHEZ, RAMON	BROWN/LANDSCAPE/WEST FARM	12	3.81	9.67	72	39	8:23:00 AM	9:05:00 AM							
46	MID 4 - REPB TECH to HSE/HSW - 10:40 AM	MID-DAY # 04	SANCHEZ, RAMON		3	0	18.1	72	5	10:40:00 AM	11:05:00 AM							
46	MID 4 - HSE/HSW to REPB TECH - 11:25 AM	MID-DAY # 04	SANCHEZ, RAMON		5	0	17.7	72	9	11:25:00 AM	11:50:00 AM							
46	HS East - Route 24 - PM	Route 024	SANCHEZ, RAMON	ARBOR, LISA, SEQUOIA, PEAR,SUSAN, BLUESPRUCE, MAGNOLIA, WOLF HILL RD	20	6.739289	11.20241	72	31	2:06:00 PM	2:46:00 PM							
46	West Hollow MS - Rt 24 - PM	Route 024	SANCHEZ, RAMON	HH RD;FOX;WEDGEWOOD;LONG DRIVE	19	2.38	10.28	72	30	2:50:00 PM	3:38:00 PM							
46	Vanderbilt Elem - Rt 24 - PM	Route 024	SANCHEZ, RAMON	BROWN/LANDSCAPE/WEST FARM	13	7.42	13.48	72	39	3:01:00 PM	4:01:00 PM		15		20			118
47	HS West - Route 52 - AM	Route 052	SPATZ, GEORGE	PHEASANT RUN, BALDWIN PATH	14	4.514589	10.43486	72	46	6:20:00 AM	7:05:00 AM							
47	Candlewood - Route 52 - AM	Route 052	SPATZ, GEORGE	BROWNS / FOOTHILL / SUNSET	14	3.4452	8.965082	72	31	7:01:00 AM	7:40:00 AM							
47	Paumanok Elem - Rt 52 - AM	Route 052	SPATZ, GEORGE	FIELDING,MARYLAND	21	3.878699	8.896208	72	58	8:32:00 AM	9:05:00 AM							
47	HS West - Route 52 - PM	Route 052	SPATZ, GEORGE	PHEASANT RUN, BALDWIN PATH	15	8.99	16.43	72	44	1:54:00 PM	2:47:00 PM							
47	Candlewood - Route 52 - PM	Route 052	SPATZ, GEORGE	BROWNS / FOOTHILL / SUNSET	14	1.847609	6.753274	72	31	2:50:00 PM	3:17:00 PM							
47	Paumanok Elem - Rt 52 - PM	Route 052	SPATZ, GEORGE	FIELDING,MARYLAND	21	0.2005501	3.299242	72	58	3:20:00 PM	3:50:00 PM		10					84
48	HS East - Route 08 - AM	Route 008	WEST, LUTHER	BEECHWOOD, SPENCER, REEVES & MELVILLE RD	11	4.439563	15.78861	72	22	6:04:00 AM	7:05:00 AM	15						90
48	West Hollow MS - Rt 08 - AM	Route 008	WEST, LUTHER	BLACK OAK;HIGH PASTURE;MELROSE;ETNA	18	0.6391125	8.933122	72	28	7:01:00 AM	7:40:00 AM							
88	MID 10 HSW to The Nicholas Center- 9:25 AM	MID-DAY # 10	WEST, LUTHER	Theoharris Konstantatos (with 1:1 para at HSW) going from HSW to The Nicholas Center on Wednesdays, Thursdays and Fridays from 10 AM - 1 PM. Jacob Spitzer goes every day.			45.8			10:00:00 AM	1:00:00 PM							
48	Signal Hill Elem - Rt 08 - AM	Route 008	WEST, LUTHER	LISA DR;NORMA LN;WOLF HILL RD	20	2.024645	6.525644	72	39	8:31:00 AM	9:05:00 AM							
48	HS East - Route 08 - PM	Route 008	WEST, LUTHER	BEECHWOOD, SPENCER, REEVES & MELVILLE RD	13	4.633504	15.72979	72	22	2:06:00 PM	2:51:00 PM							
48	West Hollow MS - Rt 08 - PM	Route 008	WEST, LUTHER	BLACK OAK;HIGH PASTURE;MELROSE;ETNA	18	0.7244104	7.799734	72	28	2:50:00 PM	3:28:00 PM							
48	Signal Hill Elem - Rt 08 - PM	Route 008	WEST, LUTHER	LISA DR;NORMA LN;WOLF HILL RD	26	0.5288254	4.8983	72	39	3:20:00 PM	3:53:00 PM							
49	HS West - Route 29 - AM	Route 029	HERNANDEZ, ANA	PRINCETON; VILLANOVA	11	3.02	9.6	72	18	6:26:00 AM	7:05:00 AM							
49	Candlewood - Route 29 - AM	Route 029	HERNANDEZ, ANA	LUCILLE / PARSONS / FOLGER	19	2.0677733	11.49112	72	20	6:52:00 AM	7:40:00 AM							
49	Vanderbilt Elem - Rt 29 - AM	Route 029	HERNANDEZ, ANA	VANDERBILT PKWY/LUCILLE/SANDRA	30	4.207165	11.45311	72	47	8:13:00 AM	9:05:00 AM							
49	MID 5 - LISA TECH to HSW & HSE- 10:40 AM	MID-DAY # 05	HERNANDEZ, ANA		3	0	15.2	72	2	10:40:00 AM	11:05:00 AM							
49	MID 5 - HSE & HSW to LISA TECH - 11:25 AM	MID-DAY # 05	HERNANDEZ, ANA		3	0	11.9	72	6	11:25:00 AM	11:50:00 AM							
49	HS West - Route 29 - PM	Route 029	HERNANDEZ, ANA	PRINCETON; VILLANOVA	12	5.770392	10.66428	72	18	2:06:00 PM	2:39:00 PM							
49	Candlewood - Route 29 - PM	Route 029	HERNANDEZ, ANA	LUCILLE / PARSONS / FOLGER	19	0.8502854	9.3086	72	20	2:40:00 PM	3:13:00 PM							
49	Vanderbilt Elem - Rt 29 - PM	Route 029	HERNANDEZ, ANA	VANDERBILT PKWY/LUCILLE/SANDRA	31	4.112894	11.20653	72	47	3:11:00 PM	4:08:00 PM		10		20			88
50	HOME- HSE/HSW to MP TECH- ROUTE 56 7:30AM	Route 056	CALCAGNO, GLORIA		3	5	15	72	19	7:25:00 AM	7:50:00 AM							
50	HSW to P.O.W.- 8:50 AM	Route 056	CALCAGNO, GLORIA	HSW to WORK SITES TBA	3	8	8	72	0	8:48:00 AM	9:08:00 AM							
50	Shuttle HSE to HSW- PM*	Route 056	CALCAGNO, GLORIA	HSE to HSW shuttle between schools	2	2	3	72	22	2:05:00 PM	2:10:00 PM							
50	MP TECH to HSW/HSE- HOME - 2:20PM	Route 056	CALCAGNO, GLORIA		3	10	15	72	24	2:40:00 PM	3:00:00 PM	20					16	82
51	HS East - Route 69 - AM	Route 069	WARNER, ALOIS(RUSTY)	HALF HOLLOW RD;JAGGER;HEMMINGWAY	28	1.928457	14.36536	72	37	6:03:00 AM	7:05:00 AM							
51	West Hollow MS - Rt 69 - AM	Route 069	WARNER, ALOIS(RUSTY)	ROUNDTREE;CALVERTON;BEAUMONT	10	2.48	8.39	72	14	7:13:00 AM	7:40:00 AM							
51	Signal Hill Elem - Rt 69 - AM	Route 069	WARNER, ALOIS(RUSTY)	THREEPENCE;BEAUMONT;WOODMONT	26	2.638287	8.714714	72	45	8:20:00 AM	9:05:00 AM							
51	HS East - Route 69 - PM	Route 069	WARNER, ALOIS(RUSTY)	HALF HOLLOW RD;JAGGER;HEMMINGWAY	29	4.675797	18.50884	72	36	2:06:00 PM	3:08:00 PM							
51	West Hollow MS - Rt 69 - PM	Route 069	WARNER, ALOIS(RUSTY)	ROUNDTREE;CALVERTON;BEAUMONT	10	2.87	5.49	72	14	2:40:00 PM	3:00:00 PM							
51	Signal Hill Elem - Rt 69 - PM	Route 069	WARNER, ALOIS(RUSTY)	THREEPENCE;BEAUMONT;WOODMONT	26	2.564087	9.372081	72	45	3:20:00 PM	4:08:00 PM		10					92
53	HOME TO OIX HILL TECH - 7:10 AM	Route 011	WEITZEL, ALYCE		7	4.342663	16.75447	72	1	6:49:00 AM	7:50:00 AM							
53	HSE/HSW to OIX HILLS TECH - 7:30AM	Route 011	WEITZEL, ALYCE		3	5	13.3	72	48	7:30:00 AM	7:55:00 AM							
53	Signal Hill Elem - Rt 11 - AM	Route 011	WEITZEL, ALYCE	PETTIT,COUNTRY POINTE,ESTATE	35	0.8626124	7.73888	72	56	8:23:00 AM	9:05:00 AM							
53	Shuttle HSW to HSE- PM*	Route 011	WEITZEL, ALYCE		2	0	2.5	72	9	2:05:00 PM	2:10:00 PM							
53	DIX HILLS TECH to HSE/HSW PM - 2:40PM	Route 011	WEITZEL, ALYCE		3	0	13.3	72	47	2:35:00 PM	2:50:00 PM							
53	Signal Hill Elem - Rt 11 - PM	Route 011	WEITZEL, ALYCE	PETTIT,COUNTRY POINTE,ESTATE	35	1.607407	8.682933	72	56	3:20:00 PM	4:12:00 PM	30						78
54	HS West - Route 25 - AM	Route 025	BAEZ, PATRICIA	WAGON & SPINNING WHEEL	15	4.19	9.85	72	24	6:25:00 AM	7:05:00 AM							
54	Vanderbilt Elem - Rt 25 - AM	Route 025	BAEZ, PATRICIA	CARLL STRAIGHT PATH;JORDAN CT	19	3.59	8.51	72	32	8:27:00 AM	9:05:00 AM							
54	MID 87- HSW To F45 GYM &AHSW to C/O- is Thursday	MID-DAY # 07	BAEZ, PATRICIA		21	0	9.2	72	0	11:00:00 AM	12:15:00 PM							
54	MID 7 - AHAP To PA-VA-SH-SQ-OTS	MID-DAY # 07	BAEZ, PATRICIA		6	0	5.2	72	0	12:00:00 PM	1:00:00 PM							
54	HS West - Route 25 - PM	Route 025	BAEZ, PATRICIA	WAGON & SPINNING WHEEL	18	3.22	9.68	72	23	2:06:00 PM	2:41:00 PM				20		8	103
54	Shuttle CW MS to HSW/HSE- PM	Route 025	BAEZ, PATRICIA		3	0	11.3	72	0	2:53:00 PM	3:03:00 PM							
54	Vanderbilt Elem - Rt 25 - PM	Route 025	BAEZ, PATRICIA	CARLL STRAIGHT PATH;JORDAN CT	20	6.86	12.1	72	32	3:11:00 PM	4:06:00 PM							
57	HS East - Route 23 - AM	Route 023	LAURISTON, WILKINSON	ILLINOIS;MARYLAND;JERSEY;OLD COUNTRY RD	19	2.83	10.55	72	35	6:18:00 AM	7:05:00 AM							
57	Vanderbilt Elem - Rt 23 - AM	Route 023	LAURISTON, WILKINSON	GABLES / E DP ROAD / SWARTHMORE / REGENCY	24	3.9275	9.320655	72	53	8:20:00 AM	9:05:00 AM							
57	MID 1 - DH TECH TO HSW & HSE- 10:40 AM	MID-DAY # 01	LAURISTON, WILKINSON		3	0	9.2	72	44	10:40:00 AM	11:05:00 AM							
57	MD 1 - HSE & HSW TO DH TECH- 11:25 AM	MID-DAY # 01	LAURISTON, WILKINSON		3	0	7.6	72	49	11:25:00 AM	11:50:00 AM							
57	HS East - Route 23 - PM	Route 023	LAURISTON, WILKINSON	ILLINOIS;MARYLAND;JERSEY;OLD COUNTRY RD	19	1.472151	7.958735	72	36	2:06:00 PM	2:42:00 PM		15			25		91
57	Vanderbilt Elem - Rt 23 - PM	Route 023	LAURISTON, WILKINSON	GABLES / E DP ROAD / SWARTHMORE / REGENCY	25	5.135751	9.778465	72	53	3:07:00 PM	4:00:00 PM							80
58	HS East - Route 10 - AM	Route 010	LAROSE, DOMINIQUE	TRESCOTT, TRUXTON,FOOTHILL FIELDING & CATHER	16	3.26	9.18	72	50	6:24:00 AM	7:05:00 AM							
58	West Hollow MS - Rt 10 - AM	Route 010	LAROSE, DOMINIQUE	CALEDONIA, ORIOLE WAY	14	2.604452	10.00173	72	19	7:00:00 AM	7:40:00 AM		15			37		109
58	Signal Hill Elem - Rt 10 - AM	Route 010	LAROSE, DOMINIQUE	HALF HOLLOW RD;LONE HILL;ETNA	31	0.8532912	8.42014	72	51	8:22:00 AM	9:05:00 AM							
58	HS East - Route 10 - PM	Route 010	LAROSE, DOMINIQUE	TRESCOTT, TRUXTON,FOOTHILL FIELDING & CATHER	17	0	1.85	72	49	2:10:00 PM	2:28:00 PM							
58	West Hollow MS - Rt 10 - PM	Route 010	LAROSE, DOMINIQUE	CALEDONIA, ORIOLE WAY	14	1.298355	9.99525	72	18	2:40:00 PM	3:22:00 PM							
58	Signal Hill Elem - Rt 10 - PM	Route 010	LAROSE, DOMINIQUE	HALF HOLLOW RD;LONE HILL;ETNA	30	1.231936	6.871295	72	50	3:20:00 PM	4:03:00 PM							
59	HS East - Route 31 - AM	Route 031	HERRERA, MYRNA	WOODMONT;BEAUMONT	12	1.364297	5.771681	72	16	6:42:00 AM	7:05:00 AM							
59	West Hollow MS - Rt 31 - AM	Route 031	HERRERA, MYRNA	WILMINGTON;RAWLINGS;THREEPENCE	15	2.936594	7.840639	72	20	7:06:00 AM	7:40:00 AM							
59	Signal Hill Elem - Rt 31 - AM	Route 031	HERRERA, MYRNA	HALF HOLLOW RD;SLEEPY LN;ROUNDTREE	18	0.54	7.82	72	29	8:30:00 AM	9:05:00 AM							
59	HS East - Route 31 - PM	Route 031	HERRERA, MYRNA	WOODMONT;BEAUMONT	13	4.930765	9.21019	72	16	2:06:00 PM	2:37:00 PM		10			45 - bus 87 Stony Brook		71
59	West Hollow MS - Rt 31 - PM	Route 031	HERRERA, MYRNA	WILMINGTON;RAWLINGS;THREEPENCE	15	2.57041	8.260398	72	20	2:50:00 PM	3:28:00 PM							
59	Signal Hill Elem - Rt 31 - PM	Route 031	HERRERA, MYRNA	HALF HOLLOW RD;SLEEPY LN;ROUNDTREE	19	2.02	10.72	72	29	3:20:00 PM	4:09:00 PM							
71	HS East - Route 49 - AM	Route 049	CHACALOS, FRED	1/2 BUS - NY AVE;E LYONS;QUINTREE	14	3.43	10.84	48	28	6:21:00 AM	7:05:00 AM							
71	West Hollow MS - Rt 49 - AM	Route 049	CHACALOS, FRED	WINTERGREEN;OLD COUNTRY RD;ACRE LN	13	1.97	3.95	48	15	7:00:00 AM	7:40:00 AM							
71	Signal Hill Elem - Rt 49 - AM	Route 049	CHACALOS, FRED	WINTERGREEN;OLD COUNTRY RD	21	3.564834	11.72478	48	40	8:14:00 AM	9:05:00 AM							
71	HS East - Route 49 - PM	Route 049	CHACALOS, FRED	1/2 BUS - NY AVE;E LYONS;QUINTREE	15	6.865444	14.46927	48	28	2:06:00 PM	2:51:00 PM							
71	West Hollow MS - Rt 49 - PM	Route 049	CHACALOS, FRED	WINTERGREEN;OLD COUNTRY RD;ACRE LN	13	1.36	10.28	48	15	2:40:00 PM	3:23:00 PM			15				104
71	Signal Hill Elem - Rt 49 - PM	Route 049	CHACALOS, FRED	WINTERGREEN;OLD COUNTRY RD	21	2.01	11.58	48	40	3:20:00 PM	4:15:00 PM							
73	Sunquam Elem - Rt 65 - AM	Route 065	FITZPATRICK, CATHERINE	1/2 BUS - W LYONS / PIERMONT / GWYNNE			67.1			6:00:00 AM	9:00:00 AM							
73	HS East - Route 65 - AM	Route 065	FITZPATRICK, CATHERINE	GABLES / E DP ROAD / SWARTHMORE / REGENCY	9	4.314243	10.57305	72	48	6:23:00 AM	7:05:00 AM							
73	West Hollow MS - Rt 65 - AM	Route 065	FITZPATRICK, CATHERINE	PONDEROSA;TREEVIEW;TUXEDO	15	4	8.05	72	48	7:06:00 AM	7:40:00 AM							
73	Sunquam Elem - Rt 65 - PM	Route 065	FITZPATRICK, CATHERINE	1/2 BUS - W LYONS / PIERMONT / GWYNNE			67.1			1:00:00 PM	4:00:00 PM							
73	HS East - Route 65 - PM	Route 065	FITZPATRICK, CATHERINE	WEST LYONS;FLETCHER WALT WHITMAN RD	10	3.654713	10.39028	48	19	2:06:00 PM	2:43:00 PM			15		45		127
73	West Hollow MS - Rt 65 - PM	Route 065	FITZPATRICK, CATHERINE	PONDEROSA;TREEVIEW;TUXEDO	15	5.81	4.71	48	19	2:50:00 PM	3:09:00 PM							
74	HS East - Route 62 - AM	Route 062	DECORDOVA, SUSAN	1/2 BUS - ALLEY POND; OLD SOUTH PATH;ALTAMORE	21	1.966772	11.60597	32	30	6:16:00 AM	7:05:00 AM							
74	West Hollow MS - Rt 62 - AM	Route 062	DECORDOVA, SUSAN	ALLEY POND;OLD EAST NECK RD;OLD SOUTH PATH	15	3.18	10.67	32	17	6:57:00 AM	7:40:00 AM							
74	Sunquam Elem - Rt 62 - AM	Route 062	DECORDOVA, SUSAN	1/2 BUS - OLD E NECK RD / GROSSMAN / ALTAMORE	23	2.2	7.88	32	33	8:28:00 AM	9:05:00 AM			15				88
74	HS East - Route 62 - PM	Route 062	DECORDOVA, SUSAN	1/2 BUS - ALLEY POND; OLD SOUTH PATH;ALTAMORE	22	3.610984	12.54341	32	30	2:06:00 PM	2:52:00 PM							
74	West Hollow MS - Rt 62 - PM	Route 062	DECORDOVA, SUSAN	ALLEY POND;OLD EAST NECK RD;OLD SOUTH PATH	15	2.1	8.43	32	17	2:50:00 PM	3:27:00 PM							
74	Sunquam Elem - Rt 62 - PM	Route 062	DECORDOVA, SUSAN	1/2 BUS - OLD E NECK RD / GROSSMAN / ALTAMORE	22	0.06	5.73	32	30	3:20:00 PM	3:52:00 PM							
76	HS West - Route 20 - AM	Route 020	LANE, GIGI	CANDLEWOOD PATH; CHATHAM; DURHAM	14	2.65	9.16	66	18	6:27:00 AM	7:05:00 AM							
76	Candlewood - Route 20 - AM	Route 020	LANE, GIGI	HALF HOLLOW RD / SLEEPY HOLLOW / RYDER	23	3.44	10.05	66	36	8:55:00 AM	7:40:00 AM							
76	Vanderbilt Elem - Rt 20 - AM	Route 020	LANE, GIGI	WINTER / BRANIWOOD / WOLF HILL RD / SOMNER	25	1.64	6.81	66	51	8:29:00 AM	9:05:00 AM							
76	HS West - Route 20 - PM	Route 020	LANE, GIGI	CANDLEWOOD PATH; CHATHAM; DURHAM	15	8.59	14.64	66	18	1:49:00 PM	2:36:00 PM			15				90
76	Candlewood - Route 20 - PM	Route 020	LANE, GIGI	HALF HOLLOW RD / SLEEPY HOLLOW / RYDER	23	2.174398	8.329358	66	36	2:50:00 PM	3:24:00 PM							
76	Vanderbilt Elem - Rt 20 - PM	Route 020	LANE, GIGI	WINTER / BRANIWOOD / WOLF HILL RD / SOMNER	23	0	7.14	66	52	3:20:00 PM	4:03:00 PM							
78	HS East - Route 77 - AM	Route 077	ROJAS JR, LUIS	WESTCLIFF;MELROSE;WINTERGREEN;IDA CT	11	0.71	6.42	72	15	6:38:00 AM	7:05:00 AM						10	44
78	St. Anthony HS- Route 07-AM (BIG BUS)	Route 077	ROJAS JR, LUIS	BIG BUS	18	0.7791029	10.0745	72	17	7:26:00 AM	8:05:00 AM							
78	HS East - Route 77 - PM	Route 077	ROJAS JR, LUIS	WESTCLIFF;MELROSE;WINTERGREEN;IDA CT	11	1.47	6.64	72	15	2:06:00 PM	2:28:00 PM							
78	St. Anthony HS- Route 07-PM (BIG BUS)	Route 077	ROJAS JR, LUIS	BIG BUS	17	0	8.160993	72	17	2:30:00 PM	3:17:00 PM							
93	West Hollow MS - Rt 66 - AM	Route 066	MENDOZA, GEORGE	STRAIGHT PATH;FAIRFIELD;TARA LN	13	4.0374	10.04788	72	23	6:59:00 AM	7:40:00 AM		10					93

Information Received from the District (Athletics)

Athletics Schedule

#	DATE	SCHOOL	VS.	SPORT	DESTINATION		TOTAL MILES	BUS TYPE
1	Thu, 12/1/2022	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
2	Thu, 12/1/2022	H H Hills	Centereach/Long/SWR	BFEN	Centereach High School		44	Type A, Type C, Type D
3	Thu, 12/1/2022	H H Hills	Centereach/Long/SWR	GFEN	Centereach High School		44	Type A, Type C, Type D
4	Thu, 12/1/2022	HH Hills East	Practice	CH	TBA (NEW IMAGE)		12	Type A, Type C, Type D
5	Fri, 12/2/2022	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
6	Fri, 12/2/2022	H H Hills West	Huntington	GBKB	Huntington High School		24	Type A, Type C, Type D
7	Fri, 12/2/2022	H H Hills West	Huntington	GBKB	Huntington High School		24	Type A, Type C, Type D
8	Fri, 12/2/2022	Candlewood 8	Oldfield 8	WGVB	Oldfield Middle School		24	Type A, Type C, Type D
9	Fri, 12/2/2022	West Hollow 8	Port Jefferson 8	WGVB	Port Jefferson Middle School (MPR)		60	Type C
10	Sat, 12/3/2022	H H Hills East	Crossover Meet	GWTR	Suffolk County Community College		20	Type A, Type C, Type D
11	Sat, 12/3/2022	H H Hills West	Crossover Meet	GWTR	Suffolk County Community College		20	Type A, Type C, Type D
12	Sun, 12/4/2022	H H Hills East	Crossover Meet	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
13	Sun, 12/4/2022	H H Hills West	Crossover Meet	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
14	Mon, 12/5/2022	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
15	Mon, 12/5/2022	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
16	Mon, 12/5/2022	Candlewood 8	Port Jefferson 8	BBKB	Jefferson School (SPRING STREET GYM)	Time Change	24	Type A, Type C, Type D
17	Mon, 12/5/2022	H H Hills West	Sayville	GBKB	Sayville High School		36	Type A, Type C, Type D
18	Mon, 12/5/2022	H H Hills West	Sayville	GBKB	Sayville High School		36	Type A, Type C, Type D
19	Mon, 12/5/2022	HH Hills East	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
20	Mon, 12/5/2022	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
21	Tue, 12/6/2022	H H Hills East	North Babylon	GBKB	North Babylon High School (NORTH GYM)		12	Type A, Type C, Type D
22	Tue, 12/6/2022	H H Hills East	North Babylon	GBKB	North Babylon High School (WEST GYM)		12	Type A, Type C, Type D
23	Tue, 12/6/2022	West Hollow 7	Stimson 7	BBKB	Stimson Middle School		22	Type A, Type C, Type D
24	Tue, 12/6/2022	Half Hollow Hills	North Babylon	BBWL	Strike 10 Lanes		15	Type A, Type C, Type D
25	Tue, 12/6/2022	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
26	Wed, 12/7/2022	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
27	Wed, 12/7/2022	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
28	Wed, 12/7/2022	H H Hills East	H H Hills West	BBKB	H H HILLS WEST HS		10	Type A, Type C, Type D
29	Wed, 12/7/2022	H H Hills East	H H Hills West	BBKB	H H HILLS WEST HS		10	Type A, Type C, Type D
30	Wed, 12/7/2022	Candlewood 8	Port Jefferson 8	WGVB	Port Jefferson Middle School (MPR)		60	Type C
31	Wed, 12/7/2022	HH Hills West	HH Hills East	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
32	Wed, 12/7/2022	HH Hills West	Practice	CH	TBA (NEW IMAGE)		12	Type A, Type C, Type D
33	Thu, 12/8/2022	H H Hills	Sayville/BPT/Cont	BFEN	160 Greeley Avenue (OLD JR. HIGH)		42	Type A, Type C, Type D
34	Thu, 12/8/2022	H H Hills	Sayville/Bpt/Cont	GFEN	160 Greeley Avenue (OLD JR. HIGH)		42	Type A, Type C, Type D
35	Thu, 12/8/2022	HH Hills	Sachem	GBWL	Coram Country Bowl		48	Type C, Type D
36	Thu, 12/8/2022	West Hollow 8	Oldfield 8	BBKB	Oldfield Middle School		24	Type A, Type C, Type D
37	Thu, 12/8/2022	West Hollow 7	Stimson 7	WGVB	Stimson Middle School		22	Type A, Type C, Type D
38	Thu, 12/8/2022	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
39	Thu, 12/8/2022	HH Hills East	Practice	CH	TBA (NEW IMAGE)		12	Type A, Type C, Type D
40	Fri, 12/9/2022	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
41	Fri, 12/9/2022	H H Hills East	Huntington	BBKB	Huntington High School		24	Type A, Type C, Type D
42	Fri, 12/9/2022	H H Hills East	Huntington	BBKB	Huntington High School		24	Type A, Type C, Type D
43	Fri, 12/9/2022	H H Hills East	Tournament	WR	John F. Kennedy High School		32	Type A, Type C, Type D
44	Fri, 12/9/2022	H H Hills East	Tournament	WR	John F. Kennedy High School		32	Type A, Type C, Type D
45	Fri, 12/9/2022	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
46	Sat, 12/10/2022	H H Hills West	Cold Spring Harbor	BBKB	Cold Spring Harbor High School		32	Type A, Type C, Type D
47	Sat, 12/10/2022	H H Hills West	Cold Spring Harbor	BBKB	Cold Spring Harbor High School		32	Type A, Type C, Type D
48	Sat, 12/10/2022	H H Hills East	Crossover Meet	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
49	Sat, 12/10/2022	H H Hills West	Crossover Meet	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
50	Sat, 12/10/2022	H H Hills East	Tournament	WR	Wellington C. Mepham High School		36	Type A, Type C, Type D
51	Sat, 12/10/2022	H H Hills East	Tournament	WR	Wellington C. Mepham High School		36	Type A, Type C, Type D
52	Sun, 12/11/2022	H H Hills East	Crossover Meet	GWTR	Suffolk County Community College		20	Type A, Type C, Type D
53	Sun, 12/11/2022	H H Hills West	Crossover Meet	GWTR	Suffolk County Community College		20	Type A, Type C, Type D
54	Mon, 12/12/2022	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
55	Mon, 12/12/2022	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
56	Mon, 12/12/2022	West Hollow 8	Oldfield 8	WGVB	Oldfield Middle School		24	Type A, Type C, Type D
57	Mon, 12/12/2022	HH Hills East	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
58	Mon, 12/12/2022	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
59	Tue, 12/13/2022	Half Hollow Hills	Copiague	BBWL	AMF Babylon Lanes		12	Type A, Type C, Type D
60	Tue, 12/13/2022	H H Hills West	Hauppauge	GBKB	Hauppauge High School		25	Type A, Type C, Type D
61	Tue, 12/13/2022	H H Hills West	Hauppauge	GBKB	Hauppauge High School		25	Type A, Type C, Type D
62	Tue, 12/13/2022	H H Hills East	Northport	GBKB	Northport High School		20	Type A, Type C, Type D
63	Tue, 12/13/2022	H H Hills East	Northport	GBKB	Northport High School		20	Type A, Type C, Type D
64	Tue, 12/13/2022	West Hollow 7	Oldfield 7	BBKB	Oldfield Middle School		24	Type A, Type C, Type D
65	Tue, 12/13/2022	Candlewood 8	Lindenhurst 8	BBKB	William Rall Elementary School		20	Type A, Type C, Type D
66	Wed, 12/14/2022	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
67	Wed, 12/14/2022	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
68	Wed, 12/14/2022	H H Hills West	Hauppauge	WR	Hauppauge High School		25	Type A, Type C, Type D
69	Wed, 12/14/2022	H H Hills West	Hauppauge	WR	Hauppauge High School		25	Type A, Type C, Type D
70	Wed, 12/14/2022	HH Hills East	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
71	Wed, 12/14/2022	HH Hills West	Practice	CH	TBA (NEW IMAGE)		12	Type A, Type C, Type D
72	Thu, 12/15/2022	HH Hills	Middle Country	GBWL	AMF Centereach Lanes		44	Type A, Type C, Type D
73	Thu, 12/15/2022	H H Hills	Huntington/HF	BFEN	Jack Abrams STEM Magnet School		22	Type A, Type C, Type D
74	Thu, 12/15/2022	H H Hills	Huntington/HF	GFEN	Jack Abrams STEM Magnet School		22	Type A, Type C, Type D
75	Thu, 12/15/2022	Candlewood 8	Lindenhurst 8	WGVB	Lindenhurst Middle School		16	Type A, Type C, Type D
76	Thu, 12/15/2022	West Hollow 7	Oldfield 7	WGVB	Oldfield Middle School		24	Type A, Type C, Type D
77	Thu, 12/15/2022	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
78	Thu, 12/15/2022	H H Hills East	West Islip	BBKB	West Islip High School (LARGE GYM)		20	Type A, Type C, Type D
79	Thu, 12/15/2022	H H Hills East	West Islip	BBKB	West Islip High School (LARGE GYM)		20	Type A, Type C, Type D
80	Fri, 12/16/2022	H H Hills East	Northport	WR	Northport High School		20	Type A, Type C, Type D
81	Fri, 12/16/2022	H H Hills East	Northport	WR	Northport High School		20	Type A, Type C, Type D
82	Fri, 12/16/2022	Candlewood 8	Stimson 8	BBKB	Stimson Middle School		22	Type A, Type C, Type D
83	Fri, 12/16/2022	H H Hills East	Crossover Meet	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
84	Fri, 12/16/2022	HH Hills East	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
85	Fri, 12/16/2022	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
86	Fri, 12/16/2022	H H Hills West	West Babylon	GBKB	West Babylon Senior High School		16	Type A, Type C, Type D
87	Fri, 12/16/2022	H H Hills West	West Babylon	GBKB	West Babylon Senior High School		16	Type A, Type C, Type D
88	Fri, 12/16/2022	West Hollow 8	Lindenhurst 8	BBKB	William Rall Elementary School		20	Type A, Type C, Type D
89	Sat, 12/17/2022	H H Hills East	Brentwood	WR	Deer Park High School		6	Type A, Type C, Type D
90	Sat, 12/17/2022	H H Hills East	Deer Park	WR	Deer Park High School		6	Type A, Type C, Type D
91	Sat, 12/17/2022	H H Hills East	Tournament	WR	Deer Park High School		6	Type A, Type C, Type D
92	Sat, 12/17/2022	H H Hills West	Jericho	WR	Jericho High School		28	Type A, Type C, Type D
93	Sat, 12/17/2022	H H Hills East	Crossover Meet	GWTR	Suffolk County Community College		20	Type A, Type C, Type D
94	Sat, 12/17/2022	H H Hills West	Crossover Meet	GWTR	Suffolk County Community College		20	Type A, Type C, Type D
95	Sun, 12/18/2022	H H Hills West	Crossover Meet	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
96	Sun, 12/18/2022	H H Hills East	Crossover Meet	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
97	Mon, 12/19/2022	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
98	Mon, 12/19/2022	West Hollow 7	Candlewood 7	BBKB	Candlewood Middle School		11	Type A, Type C, Type D
99	Mon, 12/19/2022	H H Hills West	East Islip	BBKB	East Islip High School		32	Type A, Type C, Type D
100	Mon, 12/19/2022	H H Hills West	East Islip	BBKB	East Islip High School		32	Type A, Type C, Type D
101	Mon, 12/19/2022	HH Hills East	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
102	Mon, 12/19/2022	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
103	Mon, 12/19/2022	Candlewood 8	West Hollow 8	BBKB	West Hollow Middle School		20	Type A, Type C, Type D
104	Tue, 12/20/2022	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
105	Tue, 12/20/2022	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
106	Tue, 12/20/2022	H H Hills East	Copiague	GBKB	Copiague High School		16	Type A, Type C, Type D
107	Tue, 12/20/2022	H H Hills East	Copiague	GBKB	Copiague High School		16	Type A, Type C, Type D
108	Tue, 12/20/2022	West Hollow 8	Lindenhurst 8	WGVB	Lindenhurst Middle School		16	Type A, Type C, Type D
109	Tue, 12/20/2022	Candlewood 8	Stimson 8	WGVB	Stimson Middle School		22	Type A, Type C, Type D
110	Tue, 12/20/2022	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
111	Wed, 12/21/2022	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
112	Wed, 12/21/2022	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
113	Wed, 12/21/2022	West Hollow 7	Port Jefferson 7	BBKB	Jefferson School (SPRING STREET GYM)		24	Type A, Type C, Type D

Athletics Schedule

#	DATE	SCHOOL	VS.	SPORT	DESTINATION		TOTAL MILES	BUS TYPE
114	Wed, 12/21/2022	Candlewood 7	Oldfield 7	BBKB	Oldfield Middle School		24	Type A, Type C, Type D
115	Wed, 12/21/2022	H H Hills West	Rocky Point	WR	Rocky Point High School		70	ROUTE TOO LONG
116	Wed, 12/21/2022	H H Hills West	Rocky Point	WR	Rocky Point High School		70	ROUTE TOO LONG
117	Wed, 12/21/2022	HH Hills East	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
118	Wed, 12/21/2022	HH Hills West	Practice	CH	TBA (NEW IMAGE)		12	Type A, Type C, Type D
119	Thu, 12/22/2022	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
120	Thu, 12/22/2022	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
121	Thu, 12/22/2022	H H Hills West	Deer Park	GBKB	Deer Park High School		6	Type A, Type C, Type D
122	Thu, 12/22/2022	H H Hills West	Deer Park	GBKB	Deer Park High School		6	Type A, Type C, Type D
123	Thu, 12/22/2022	H H Hills/Kings Park	Northport/Commack	WBSW	Half Hollow Hills West High School		10	Type A, Type C, Type D
124	Thu, 12/22/2022	Candlewood 7	Oldfield 7	WGVB	Oldfield Middle School		24	Type A, Type C, Type D
125	Thu, 12/22/2022	West Hollow 7	Port Jefferson 7	WGVB	Port Jefferson Middle School (MPR)		60	Type C
126	Thu, 12/22/2022	H H Hills West	Crossover Meet	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
127	Thu, 12/22/2022	HH Hills East	Practice	CH	TBA (NEW IMAGE)		12	Type A, Type C, Type D
128	Fri, 12/23/2022	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
129	Wed, 12/28/2022	H H Hills West	Invitational	BWTR	Armory Track		84	ROUTE TOO LONG
130	Wed, 12/28/2022	H H Hills West	Westhampton	GBKB	Westhampton Beach High School (HS GYM)		85	ROUTE TOO LONG
131	Wed, 12/28/2022	H H Hills West	Westhampton	GBKB	Westhampton Beach High School (HS GYM)		85	ROUTE TOO LONG
132	Thu, 12/29/2022	H H Hills West	Intrasquad Scrimmage	BWTR	Armory Track		84	ROUTE TOO LONG
133	Thu, 12/29/2022	H H Hills West	Tournament	WR	H H HILLS EAST HS		10	Type A, Type C, Type D
134	Fri, 12/30/2022	H H Hills West	Tournament	WR	H H HILLS EAST HS		10	Type A, Type C, Type D
135	Fri, 12/30/2022	H H Hills East	Smithtown West	BBKB	Smithtown West High School		30	Type A, Type C, Type D
136	Fri, 12/30/2022	H H Hills East	Smithtown West	BBKB	Smithtown West High School		30	Type A, Type C, Type D
137	Tue, 1/3/2023	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
138	Tue, 1/3/2023	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
139	Tue, 1/3/2023	Half Hollow Hills	Deer Park	BBWL	Strike 10 Lanes		15	Type A, Type C, Type D
140	Tue, 1/3/2023	HH Hills	Brentwood	GBWL	Strike 10 Lanes		15	Type A, Type C, Type D
141	Tue, 1/3/2023	HH Hills East	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
142	Tue, 1/3/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
143	Tue, 1/3/2023	H H Hills West	Wyandanch	BBKB	Wyandanch Memorial High School		12	Type A, Type C, Type D
144	Tue, 1/3/2023	H H Hills West	Wyandanch	BBKB	Wyandanch Memorial High School		12	Type A, Type C, Type D
145	Wed, 1/4/2023	H H Hills East	Bay Shore	BBKB	Bay Shore High School		15	Type A, Type C, Type D
146	Wed, 1/4/2023	H H Hills East	Bay Shore	BBKB	Bay Shore High School		15	Type A, Type C, Type D
147	Wed, 1/4/2023	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
148	Wed, 1/4/2023	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
149	Wed, 1/4/2023	Candlewood 7	Port Jefferson 7	WGVB	Port Jefferson Middle School (MPR)		60	Type C
150	Wed, 1/4/2023	West Hollow 8	Stimson 8	WGVB	Stimson Middle School		22	Type A, Type C, Type D
151	Wed, 1/4/2023	HH Hills West	Practice	CH	TBA (NEW IMAGE)		12	Type A, Type C, Type D
152	Wed, 1/4/2023	Candlewood 7	Lindenhurst 7	BBKB	William Rall Elementary School		20	Type A, Type C, Type D
153	Thu, 1/5/2023	H H Hills East	Copiague	WR	Copiague High School		16	Type A, Type C, Type D
154	Thu, 1/5/2023	H H Hills East	Copiague	WR	Copiague High School		16	Type A, Type C, Type D
155	Thu, 1/5/2023	H H Hills West	JIM HOWARD	GWTR	Suffolk County Community College		20	Type A, Type C, Type D
156	Thu, 1/5/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
157	Thu, 1/5/2023	HH Hills East	Practice	CH	TBA (NEW IMAGE)		12	Type A, Type C, Type D
158	Thu, 1/5/2023	H H Hills	Walt Whitman/Elwood	BFEN	Walt Whitman High School (SOUTH GYM)		25	Type A, Type C, Type D
159	Thu, 1/5/2023	H H Hills	Walt Whitman	GFEN	Walt Whitman High School (SOUTH GYM)		25	Type A, Type C, Type D
160	Thu, 1/5/2023	H H Hills West	Elwood/J Glenn	BBKB				Type A, Type C, Type D
161	Thu, 1/5/2023	H H Hills West	Elwood/J Glenn	BBKB				Type A, Type C, Type D
162	Fri, 1/6/2023	H H Hills East	Commack HS	GBKB	Commack High School		20	Type A, Type C, Type D
163	Fri, 1/6/2023	H H Hills East	Commack HS	GBKB	Commack High School		20	Type A, Type C, Type D
164	Fri, 1/6/2023	Candlewood 7	Port Jefferson 7	BBKB	Jefferson School (SPRING STREET GYM)		24	Type A, Type C, Type D
165	Fri, 1/6/2023	Candlewood 7	Lindenhurst 7	WGVB	Lindenhurst Middle School		16	Type A, Type C, Type D
166	Fri, 1/6/2023	West Hollow 8	Stimson 8	BBKB	Stimson Middle School		22	Type A, Type C, Type D
167	Fri, 1/6/2023	H H Hills East	JIM HOWARD	GWTR	Suffolk County Community College		20	Type A, Type C, Type D
168	Fri, 1/6/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
169	Fri, 1/6/2023	H H Hills/Kings Park	East Hampton/BH/Pier	WBSW	YMCA East Hampton RECenter		140	ROUTE TOO LONG
170	Sat, 1/7/2023	H H Hills East	Rocky Gilmore Tourn.	WR	East Islip High School		32	Type A, Type C, Type D
171	Sat, 1/7/2023	H H Hills East	Tournament	WR	East Islip High School		32	Type A, Type C, Type D
172	Sat, 1/7/2023	H H Hills West	Freedom	BWTR	Ocean Breeze Athletic Complex		104	ROUTE TOO LONG
173	Sat, 1/7/2023	H H Hills West	Crossover Meet	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
174	Sat, 1/7/2023	H H Hills East	Crossover Meet	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
175	Sat, 1/7/2023	H H Hills West	Tournament	WR	Syosset High School		28	Type A, Type C, Type D
176	Sun, 1/8/2023	H H Hills East	Crossover Meet	GWTR	Suffolk County Community College		20	Type A, Type C, Type D
177	Sun, 1/8/2023	H H Hills West	Crossover Meet	GWTR	Suffolk County Community College		20	Type A, Type C, Type D
178	Mon, 1/9/2023	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
179	Mon, 1/9/2023	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
180	Mon, 1/9/2023	H H Hills East	Lindenhurst	BBKB	Lindenhurst High School		16	Type A, Type C, Type D
181	Mon, 1/9/2023	H H Hills East	Lindenhurst	BBKB	Lindenhurst High School		16	Type A, Type C, Type D
182	Mon, 1/9/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
183	Tue, 1/10/2023	West Hollow 8	Candlewood 8	WGVB	Candlewood Middle School		11	Type A, Type C, Type D
184	Tue, 1/10/2023	HH Hills East	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
185	Tue, 1/10/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
186	Tue, 1/10/2023	Candlewood 7	West Hollow 7	WGVB	West Hollow Middle School		20	Type A, Type C, Type D
187	Wed, 1/11/2023	H H Hills East	Millrose Qualifier	GWTR	Armory Track		84	ROUTE TOO LONG
188	Wed, 1/11/2023	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
189	Wed, 1/11/2023	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
190	Wed, 1/11/2023	West Hollow 8	Candlewood 8	BBKB	Candlewood Middle School		11	Type A, Type C, Type D
191	Wed, 1/11/2023	H H Hills West	Comsewogue	WR	Comsewogue High School		54	Type C, Type D
192	Wed, 1/11/2023	H H Hills West	Comsewogue	WR	Comsewogue High School		54	Type C, Type D
193	Wed, 1/11/2023	HH Hills East	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
194	Wed, 1/11/2023	HH Hills West	Practice	CH	TBA (NEW IMAGE)		12	Type A, Type C, Type D
195	Wed, 1/11/2023	Candlewood 7	West Hollow 7	BBKB	West Hollow Middle School		20	Type A, Type C, Type D
196	Thu, 1/12/2023	H H Hills West	Millrose Qualifier	BWTR	Armory Track		84	ROUTE TOO LONG
197	Thu, 1/12/2023	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
198	Thu, 1/12/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
199	Thu, 1/12/2023	HH Hills East	Practice	CH	TBA (NEW IMAGE)		12	Type A, Type C, Type D
200	Fri, 1/13/2023	H H Hills East	Invitational	GWTR	Armory Track		84	ROUTE TOO LONG
201	Fri, 1/13/2023	H H Hills East	Smithtown East	WR	Smithtown East High School	Senior night	34	Type A, Type C, Type D
202	Fri, 1/13/2023	H H Hills East	Smithtown East	WR	Smithtown East High School		34	Type A, Type C, Type D
203	Fri, 1/13/2023	H H Hills West	Frosh/Soph Meet	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
204	Fri, 1/13/2023	H H Hills East	Frosh/Soph Meet	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
205	Fri, 1/13/2023	HH Hills East	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
206	Fri, 1/13/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
207	Fri, 1/13/2023	H H Hills West	Islip	BBKB				Type A, Type C, Type D
208	Fri, 1/13/2023	H H Hills West	Islip	BBKB				Type A, Type C, Type D
209	Sat, 1/14/2023	H H Hills East	Brentwood	BBKB	Brentwood High School (SONDERLING)		20	Type A, Type C, Type D
210	Sat, 1/14/2023	H H Hills East	Brentwood	BBKB	Brentwood High School (SONDERLING)		20	Type A, Type C, Type D
211	Sat, 1/14/2023	H H Hills East	Tournament	WR	Islip High School		20	Type A, Type C, Type D
212	Sat, 1/14/2023	H H Hills East	Islip	WR	Islip High School		20	Type A, Type C, Type D
213	Sat, 1/14/2023	H H Hills East	Central Islip	WR	Islip High School		20	Type A, Type C, Type D
214	Sat, 1/14/2023	H H Hills West	Tournament	WR	William Floyd High School		70	ROUTE TOO LONG
215	Sun, 1/15/2023	H H Hills East	Invitational	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
216	Sun, 1/15/2023	H H Hills West	Eli Acosta Meet	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
217	Tue, 1/17/2023	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
218	Tue, 1/17/2023	H H Hills East	Central Islip	GBKB	Central Islip High School		24	Type A, Type C, Type D
219	Tue, 1/17/2023	H H Hills East	Central Islip	GBKB	Central Islip High School		24	Type A, Type C, Type D
220	Tue, 1/17/2023	HH Hills	Longwood	GBWL	Coram Country Bowl		48	Type C, Type D
221	Tue, 1/17/2023	H H Hills East	Invitational	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
222	Tue, 1/17/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
223	Wed, 1/18/2023	H H Hills West	Amityville	GBKB	Amityville Memorial High School		20	Type A, Type C, Type D
224	Wed, 1/18/2023	H H Hills West	Amityville	GBKB	Amityville Memorial High School		20	Type A, Type C, Type D
225	Wed, 1/18/2023	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
226	Wed, 1/18/2023	HH Hills	Tournament	GBWL	East Islip Lanes		26	Type A, Type C, Type D
227	Wed, 1/18/2023	H H Hills/Kings Park	Lindenhurst	WBSW	Lindenhurst High School		16	Type A, Type C, Type D
228	Wed, 1/18/2023	HH Hills East	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
229	Wed, 1/18/2023	HH Hills West	Practice	CH	TBA (NEW IMAGE)		12	Type A, Type C, Type D
230	Thu, 1/19/2023	H H Hills	Commack/Northport	BFEN	Commack High School		20	Type A, Type C, Type D

Athletics Schedule

#	DATE	SCHOOL	VS.	SPORT	DESTINATION		TOTAL MILES	BUS TYPE
231	Thu, 1/19/2023	H H Hills	Commack HS	GFEN	Commack High School		20	Type A, Type C, Type D
232	Thu, 1/19/2023	H H Hills West	Mt Sinai	WR	Mount Sinai High School		62	ROUTE TOO LONG
233	Thu, 1/19/2023	H H Hills West	Mt Sinai	WR	Mount Sinai High School		62	ROUTE TOO LONG
234	Thu, 1/19/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
235	Thu, 1/19/2023	H H Hills East	Walt Whitman	BBKB	Walt Whitman High School (NORTH GYM)		25	Type A, Type C, Type D
236	Thu, 1/19/2023	H H Hills East	Walt Whitman	BBKB	Walt Whitman High School (NORTH GYM)		25	Type A, Type C, Type D
237	Fri, 1/20/2023	H H Hills West	H H Hills East	WR	H H HILLS EAST HS		10	Type A, Type C, Type D
238	Fri, 1/20/2023	H H Hills West	H H Hills East	WR	H H HILLS EAST HS		10	Type A, Type C, Type D
239	Fri, 1/20/2023	H H Hills East	Championships	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
240	Fri, 1/20/2023	H H Hills East	Championships	GWTR	Suffolk County Community College		20	Type A, Type C, Type D
241	Fri, 1/20/2023	HH Hills East	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
242	Fri, 1/20/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
243	Fri, 1/20/2023	H H Hills West	Harborfields	BBKB				Type A, Type C, Type D
244	Fri, 1/20/2023	H H Hills West	Harborfields	BBKB			Total miles 32557	ROUTE TOO LONG
245	Sat, 1/21/2023	H H Hills East	Tournament	WR	Harborfields High School		20	Type A, Type C, Type D
246	Sat, 1/21/2023	H H Hills East	Tournament	WR	Harborfields High School		20	Type A, Type C, Type D
247	Sat, 1/21/2023	H H Hills West	League 4	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
248	Sat, 1/21/2023	HH Hills West	Cheer Competition	CH	West Babylon Senior High School		16	Type A, Type C, Type D
249	Sun, 1/22/2023	H H Hills West	League 3, 4, 5	GWTR	Suffolk County Community College		20	Type A, Type C, Type D
250	Mon, 1/23/2023	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
251	Mon, 1/23/2023	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
252	Mon, 1/23/2023	H H Hills East	North Babylon	BBKB	North Babylon High School (NORTH GYM)		12	Type A, Type C, Type D
253	Mon, 1/23/2023	H H Hills East	North Babylon	BBKB	North Babylon High School (WEST GYM)		12	Type A, Type C, Type D
254	Mon, 1/23/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
255	Tue, 1/24/2023	Half Hollow Hills	West Islip	BBWL	AMF Babylon Lanes		12	Type A, Type C, Type D
256	Tue, 1/24/2023	HH Hills	Central Islip	GBWL	East Islip Lanes		26	Type A, Type C, Type D
257	Tue, 1/24/2023	H H Hills West	Kings Park	GBKB	Kings Park High School		28	Type A, Type C, Type D
258	Tue, 1/24/2023	H H Hills West	Kings Park	GBKB	Kings Park High School		28	Type A, Type C, Type D
259	Tue, 1/24/2023	HH Hills East	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
260	Wed, 1/25/2023	Half Hollow Hills	Lindenhurst	BBWL	AMF Babylon Lanes	Rescheduled fr	12	Type A, Type C, Type D
261	Wed, 1/25/2023	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
262	Wed, 1/25/2023	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
263	Wed, 1/25/2023	H H Hills East	Huntington	GBKB	Huntington High School		24	Type A, Type C, Type D
264	Wed, 1/25/2023	H H Hills East	Huntington	GBKB	Huntington High School		24	Type A, Type C, Type D
265	Wed, 1/25/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
266	Wed, 1/25/2023	HH Hills West	Practice	CH	TBA (NEW IMAGE)		12	Type A, Type C, Type D
267	Thu, 1/26/2023	H H Hills	Lindenhurst	BFEN	Daniel Street Elementary School		14	Type A, Type C, Type D
268	Thu, 1/26/2023	H H Hills	Lindenhurst	GFEN	Daniel Street Elementary School		14	Type A, Type C, Type D
269	Thu, 1/26/2023	H H Hills West	Hauppauge	BBKB	Hauppauge High School		25	Type A, Type C, Type D
270	Thu, 1/26/2023	H H Hills West	Hauppauge	BBKB	Hauppauge High School		25	Type A, Type C, Type D
271	Thu, 1/26/2023	HH Hills East	Practice	CH	TBA (NEW IMAGE)		12	Type A, Type C, Type D
272	Fri, 1/27/2023	H H Hills East	Northport	BBKB	Northport High School		20	Type A, Type C, Type D
273	Fri, 1/27/2023	H H Hills East	Northport	BBKB	Northport High School		20	Type A, Type C, Type D
274	Fri, 1/27/2023	H H Hills West	Tournament	WR	Sachem East High School		48	Type C, Type D
275	Fri, 1/27/2023	H H Hills West	Invitational	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
276	Fri, 1/27/2023	H H Hills East	Invitational	BWTR	Suffolk County Community College	Last Chance Me	20	Type A, Type C, Type D
277	Fri, 1/27/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
278	Sat, 1/28/2023	HH Hills West	Cheer Competition	CH	Smithtown West High School		30	Type A, Type C, Type D
279	Sat, 1/28/2023	H H Hills East	ART MITCHELL	GWTR	Suffolk County Community College		20	Type A, Type C, Type D
280	Sat, 1/28/2023	H H Hills West	ART MITCHELL	GWTR	Suffolk County Community College		20	Type A, Type C, Type D
281	Mon, 1/30/2023	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
282	Mon, 1/30/2023	HH Hills East	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
283	Mon, 1/30/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
284	Mon, 1/30/2023	H H Hills West	West Babylon	BBKB	West Babylon Senior High School		16	Type A, Type C, Type D
285	Mon, 1/30/2023	H H Hills West	West Babylon	BBKB	West Babylon Senior High School		16	Type A, Type C, Type D
286	Tue, 1/31/2023	HH Hills	Smithtown	GBWL	Bowlero Commack		15	Type A, Type C, Type D
287	Tue, 1/31/2023	Half Hollow Hills	Walt Whitman	BBWL	Bowlmor		15	Type A, Type C, Type D
288	Tue, 1/31/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
289	Tue, 1/31/2023	H H Hills East	West Islip	GBKB	West Islip High School (SMALL GYM)		20	Type A, Type C, Type D
290	Tue, 1/31/2023	H H Hills East	West Islip	GBKB	West Islip High School (SMALL GYM)		20	Type A, Type C, Type D
291	Wed, 2/1/2023	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
292	Wed, 2/1/2023	H H Hills West	East Islip	GBKB	East Islip High School		32	Type A, Type C, Type D
293	Wed, 2/1/2023	H H Hills West	East Islip	GBKB	East Islip High School		32	Type A, Type C, Type D
294	Wed, 2/1/2023	HH Hills East	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
295	Wed, 2/1/2023	HH Hills West	Practice	CH	TBA (NEW IMAGE)		12	Type A, Type C, Type D
296	Thu, 2/2/2023	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
297	Thu, 2/2/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
298	Thu, 2/2/2023	HH Hills East	Practice	CH	TBA (NEW IMAGE)		12	Type A, Type C, Type D
299	Thu, 2/2/2023	H H Hills/Kings Park	Scrimmage	WBSW	Ward Melville High School		56	Type C, Type D
300	Thu, 2/2/2023	Candlewood 8	West Hollow 8	GBKB	West Hollow Middle School		20	Type A, Type C, Type D
301	Fri, 2/3/2023	H H Hills West	Deer Park	BBKB	Deer Park High School		6	Type A, Type C, Type D
302	Fri, 2/3/2023	H H Hills West	Deer Park	BBKB	Deer Park High School		6	Type A, Type C, Type D
303	Fri, 2/3/2023	Candlewood	Stimson Maroon	WBVB	Stimson Middle School		22	Type A, Type C, Type D
304	Fri, 2/3/2023	HH Hills East	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
305	Fri, 2/3/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
306	Sat, 2/4/2023	HH Hills West	Cheer Competition	CH	Eastport South Manor High School		66	ROUTE TOO LONG
307	Sat, 2/4/2023	H H Hills East	League 3	WR	Smithtown East High School (SMITHTOWN EAST HS)		34	Type A, Type C, Type D
308	Sat, 2/4/2023	H H Hills East	Championships	GWTR	Suffolk County Community College		20	Type A, Type C, Type D
309	Sat, 2/4/2023	H H Hills West	Championships	GWTR	Suffolk County Community College		20	Type A, Type C, Type D
310	Sun, 2/5/2023	H H Hills West	Championships	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
311	Sun, 2/5/2023	H H Hills East	League 4	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
312	Mon, 2/6/2023	West Hollow	Beach	WBVB	Beach Street Middle School		8	Type A, Type C, Type D
313	Mon, 2/6/2023	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
314	Mon, 2/6/2023	West Hollow 7	Candlewood 7	GBKB	Candlewood Middle School		11	Type A, Type C, Type D
315	Mon, 2/6/2023	Candlewood	East Northport	WBVB	East Northport Middle School		20	Type A, Type C, Type D
316	Mon, 2/6/2023	HH Hills East	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
317	Mon, 2/6/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
318	Tue, 2/7/2023	H H Hills East	Copiague	BBKB	Copiague High School		16	Type A, Type C, Type D
319	Tue, 2/7/2023	H H Hills East	Copiague	BBKB	Copiague High School		16	Type A, Type C, Type D
320	Tue, 2/7/2023	Candlewood 7	Stimson 7	GBKB	Stimson Middle School		22	Type A, Type C, Type D
321	Tue, 2/7/2023	Half Hollow Hills	Brentwood	BBWL	Strike 10 Lanes		15	Type A, Type C, Type D
322	Tue, 2/7/2023	West Hollow 7	Lindenhurst 7	GBKB	William Rall Elementary School		20	Type A, Type C, Type D
323	Tue, 2/7/2023	H H Hills West	Wyandanch	GBKB	Wyandanch Memorial High School		12	Type A, Type C, Type D
324	Tue, 2/7/2023	H H Hills West	Wyandanch	GBKB	Wyandanch Memorial High School		12	Type A, Type C, Type D
325	Wed, 2/8/2023	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
326	Wed, 2/8/2023	Half Hollow Hills	Playoffs	BBWL	Coram Country Bowl		48	Type C, Type D
327	Wed, 2/8/2023	West Hollow	Islip	LWWR	Islip Middle School		20	Type A, Type C, Type D
328	Wed, 2/8/2023	HH Hills	Tournament	GBWL	Sayville Bowlero		36	Type A, Type C, Type D
329	Wed, 2/8/2023	H H Hills East	Smithtown West	GBKB	Smithtown West High School	Senior night	30	Type A, Type C, Type D
330	Wed, 2/8/2023	H H Hills East	Smithtown West	GBKB	Smithtown West High School		30	Type A, Type C, Type D
331	Thu, 2/9/2023	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
332	Thu, 2/9/2023	West Hollow 8	Port Jefferson 8	GBKB	Jefferson School (SPRING STREET GYM)		24	Type A, Type C, Type D
333	Thu, 2/9/2023	HH Hills West	Championships	CH	TBA (JFK AIRPORT)		65	ROUTE TOO LONG
334	Thu, 2/9/2023	HH Hills East	Practice	CH	TBA (NEW IMAGE)		12	Type A, Type C, Type D
335	Fri, 2/10/2023	Candlewood 8	Oldfield 8	GBKB	Oldfield Middle School		24	Type A, Type C, Type D
336	Sat, 2/11/2023	H H Hills East	Championships	WR	TBA		40	Type A, Type C, Type D
337	Sun, 2/12/2023	H H Hills East	Championships	WR	TBA		40	Type A, Type C, Type D
338	Mon, 2/13/2023	Candlewood	Amityville	LWWR	Edmund W. Miles Middle School		8	Type A, Type C, Type D
339	Mon, 2/13/2023	Candlewood	Hauppauge	WBVB	Hauppauge Middle School		25	Type A, Type C, Type D
340	Mon, 2/13/2023	Candlewood 7	Port Jefferson 7	GBKB	Jefferson School (SPRING STREET GYM)		24	Type A, Type C, Type D
341	Mon, 2/13/2023	H H Hills West	State Qual Meet	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
342	Mon, 2/13/2023	H H Hills East	State Qual Meet	BWTR	Suffolk County Community College		20	Type A, Type C, Type D
343	Mon, 2/13/2023	H H Hills East	State Qual Meet	GWTR	Suffolk County Community College		20	Type A, Type C, Type D
344	Mon, 2/13/2023	H H Hills West	State Qual Meet	GWTR	Suffolk County Community College		20	Type A, Type C, Type D
345	Tue, 2/14/2023	H H Hills West	Comsewogue	GBKB	Comsewogue High School	ADMISSION FE	54	Type C, Type D
346	Tue, 2/14/2023	West Hollow	Udall	WBVB	Udall Road Middle School		15	Type A, Type C, Type D
347	Tue, 2/14/2023	H H Hills East	William Floyd	BBKB	William Floyd High School	AA Bracket	70	ROUTE TOO LONG

Athletics Schedule

#	DATE	SCHOOL	VS.	SPORT	DESTINATION		TOTAL MILES	BUS TYPE
348	Wed, 2/15/2023	Candlewood 8	Port Jefferson 8	GBKB	Jefferson School (SPRING STREET GYM)		24	Type A, Type C, Type D
349	Wed, 2/15/2023	H H Hills East	Patchogue-Medford	GBKB	Patchogue Medford High School	ADMISSION FE	48	Type C, Type D
350	Wed, 2/15/2023	West Hollow 7	Stimson 7	GBKB	Stimson Middle School		22	Type A, Type C, Type D
351	Thu, 2/16/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
352	Thu, 2/16/2023	HH Hills West	Championships	CH	TBA (JFK AIRPORT)		65	ROUTE TOO LONG
353	Fri, 2/17/2023	HH Hills West	Practice	CH	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
354	Sat, 2/25/2023	H H Hills West	Invitational	BWTR	St. Anthony's High School		16	Type A, Type C, Type D
355	Mon, 2/27/2023	Half Hollow Hills	Practice	UBWL	Bowlmor (HILLS EAST ONLY)		15	Type A, Type C, Type D
356	Tue, 2/28/2023	Half Hollow Hills	Practice	UBWL	Bowlmor (HILLS EAST ONLY)		15	Type A, Type C, Type D
357	Tue, 2/28/2023	Candlewood	Great Hollow Blue	WBVB	Great Hollow Middle School		36	Type A, Type C, Type D
358	Tue, 2/28/2023	West Hollow 8	Oldfield 8	GBKB	Oldfield Middle School		24	Type A, Type C, Type D
359	Tue, 2/28/2023	Candlewood 7	Lindenhurst 7	GBKB	William Rall Elementary School		20	Type A, Type C, Type D
360	Wed, 3/1/2023	West Hollow	Babylon	LWWR	Babylon High School		16	Type A, Type C, Type D
361	Thu, 3/2/2023	Half Hollow Hills	Practice	UBWL	Bowlmor (HILLS WEST ONLY)		15	Type A, Type C, Type D
362	Thu, 3/2/2023	Candlewood	Central Islip MS	WBVB	Mulligan Elementary School		25	Type A, Type C, Type D
363	Fri, 3/3/2023	Candlewood	Central Islip Gold	LWWR	Mulligan Elementary School		25	Type A, Type C, Type D
364	Fri, 3/3/2023	West Hollow 7	Oldfield 7	GBKB	Oldfield Middle School		24	Type A, Type C, Type D
365	Fri, 3/3/2023	West Hollow	West Babylon	WBVB	West Babylon Junior High School		16	Type A, Type C, Type D
366	Fri, 3/3/2023	Candlewood 8	Lindenhurst 8	GBKB	William Rall Elementary School		20	Type A, Type C, Type D
367	Sat, 3/4/2023	H H Hills West	Championships	BWTR	Ocean Breeze Athletic Complex		104	ROUTE TOO LONG
368	Sat, 3/4/2023	H H Hills East	Championships	BWTR	Ocean Breeze Athletic Complex		104	ROUTE TOO LONG
369	Sat, 3/4/2023	H H Hills West	Championships	GWTR	Ocean Breeze Athletic Complex		104	ROUTE TOO LONG
370	Mon, 3/6/2023	Half Hollow Hills	Practice	UBWL	Bowlmor (HILLS WEST ONLY)		15	Type A, Type C, Type D
371	Mon, 3/6/2023	Candlewood	West Hollow	LWWR	West Hollow Middle School		20	Type A, Type C, Type D
372	Wed, 3/8/2023	West Hollow	Beach	LWWR	Beach Street Middle School		8	Type A, Type C, Type D
373	Wed, 3/8/2023	Candlewood 8	Stimson 8	GBKB	Stimson Middle School		22	Type A, Type C, Type D
374	Wed, 3/8/2023	West Hollow 8	Lindenhurst 8	GBKB	William Rall Elementary School		20	Type A, Type C, Type D
375	Fri, 3/10/2023	Candlewood	Finley	WBVB	Finley Middle School		22	Type A, Type C, Type D
376	Fri, 3/10/2023	Candlewood	Deer Park	LWWR	Robert Frost Middle School		8	Type A, Type C, Type D
377	Fri, 3/10/2023	West Hollow	Stimson White	WBVB	Stimson Middle School		22	Type A, Type C, Type D
378	Sat, 3/11/2023	West Hollow	Candlewood	WBVB	Candlewood Middle School		11	Type A, Type C, Type D
379	Mon, 3/13/2023	Half Hollow Hills	Practice	UBWL	Bowlmor (HILLS WEST ONLY)		15	Type A, Type C, Type D
380	Mon, 3/13/2023	H H Hills East	Practice	GGLF	Heartland Golf Course		10	Type A, Type C, Type D
381	Mon, 3/13/2023	West Hollow 7	Port Jefferson 7	GBKB	Jefferson School (SPRING STREET GYM)	TIME CHANGE	24	Type A, Type C, Type D
382	Mon, 3/13/2023	Candlewood 7	Oldfield 7	GBKB	Oldfield Middle School		24	Type A, Type C, Type D
383	Tue, 3/14/2023	H H Hills East	Practice	GGLF	Heartland Golf Course		10	Type A, Type C, Type D
384	Tue, 3/14/2023	Half Hollow Hills	Huntington	UBWL	Larkfield Lanes		20	Type A, Type C, Type D
385	Tue, 3/14/2023	West Hollow 8	Stimson 8	GBKB	Stimson Middle School		22	Type A, Type C, Type D
386	Wed, 3/15/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
387	Thu, 3/16/2023	West Hollow 8	Candlewood 8	GBKB	Candlewood Middle School		11	Type A, Type C, Type D
388	Thu, 3/16/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
389	Fri, 3/17/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
390	Mon, 3/20/2023	Half Hollow Hills	Practice	UBWL	Bowlmor (HILLS EAST ONLY)		15	Type A, Type C, Type D
391	Mon, 3/20/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
392	Mon, 3/20/2023	H H Hills West	Scrimmage	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
393	Mon, 3/20/2023	Candlewood	Udall	LWWR	Udall Road Middle School		15	Type A, Type C, Type D
394	Mon, 3/20/2023	West Hollow	West Babylon	LWWR	West Babylon Junior High School		16	Type A, Type C, Type D
395	Mon, 3/20/2023	H H Hills	West Babylon	GLAX	West Babylon Senior High School		16	Type A, Type C, Type D
396	Tue, 3/21/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
397	Tue, 3/21/2023	H H Hills West	Scrimmage	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
398	Tue, 3/21/2023	Half Hollow Hills	Scrimmage	BLAX	General Douglas MacArthur High School		40	Type A, Type C, Type D
399	Tue, 3/21/2023	Half Hollow Hills	Northport	UBWL	Larkfield Lanes		20	Type A, Type C, Type D
400	Tue, 3/21/2023	Candlewood 7	West Hollow 7	GBKB	West Hollow Middle School		20	Type A, Type C, Type D
401	Tue, 3/21/2023	H H Hills East	West Islip	BTEN	West Islip High School		20	Type A, Type C, Type D
402	Wed, 3/22/2023	H H Hills East	Suffolk Coaches	GTR	Bay Shore High School		15	Type A, Type C, Type D
403	Wed, 3/22/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
404	Wed, 3/22/2023	Half Hollow Hills	Port Washington	BLAX	Paul D. Schreiber High School		48	Type C, Type D
405	Wed, 3/22/2023	West Hollow	Deer Park	LWWR	Robert Frost Middle School		8	Type A, Type C, Type D
406	Wed, 3/22/2023	H H Hills West	Sayville	BTEN	Sayville High School		36	Type A, Type C, Type D
407	Thu, 3/23/2023	H H Hills East	Deer Park	GGLF	Heartland Golf Course		10	Type A, Type C, Type D
408	Thu, 3/23/2023	H H Hills West	Deer Park	GGLF	Heartland Golf Course		10	Type A, Type C, Type D
409	Fri, 3/24/2023	H H Hills East	Bay Shore	BTEN	Bay Shore High School	Postpone to 3/2	15	Type A, Type C, Type D
410	Fri, 3/24/2023	H H Hills West	Scrimmage	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
411	Fri, 3/24/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
412	Fri, 3/24/2023	H H Hills West	Eastport/S Manor	GTR	Eastport South Manor High School		66	ROUTE TOO LONG
413	Fri, 3/24/2023	Half Hollow Hills	Harborfields	UBWL	Larkfield Lanes		20	Type A, Type C, Type D
414	Fri, 3/24/2023	Half Hollow Hills	Lindenhurst	BBADM	Lindenhurst High School		16	Type A, Type C, Type D
415	Fri, 3/24/2023	Half Hollow Hills	Lindenhurst	GBADM	Lindenhurst High School		16	Type A, Type C, Type D
416	Fri, 3/24/2023	Half Hollow Hills	Massapequa	GFF	Massapequa High School		30	Type A, Type C, Type D
417	Fri, 3/24/2023	H H Hills East	Plainedge	BSB	Plainedge High School		24	Type A, Type C, Type D
418	Fri, 3/24/2023	H H Hills East	Plainedge	BSB	Plainedge High School		24	Type A, Type C, Type D
419	Fri, 3/24/2023	Half Hollow Hills	Seaford	BLAX	Seaford High School		30	Type A, Type C, Type D
420	Sat, 3/25/2023	H H Hills	Islip	GLAX	Islip High School		20	Type A, Type C, Type D
421	Sun, 3/26/2023	H H Hills West	Ward Melville	BSB	Ward Melville High School		56	Type C, Type D
422	Sun, 3/26/2023	H H Hills West	Ward Melville	BSB	Ward Melville High School (ARCHDEACON)		56	Type C, Type D
423	Mon, 3/27/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
424	Mon, 3/27/2023	H H Hills	Ward Melville	SB	Ward Melville High School		56	Type C, Type D
425	Tue, 3/28/2023	Half Hollow Hills	Center Moriches	GFF	Center Moriches High School (CMHS TURF)		66	ROUTE TOO LONG
426	Tue, 3/28/2023	H H Hills East	North Babylon	BSB	North Babylon High School		12	Type A, Type C, Type D
427	Tue, 3/28/2023	Half Hollow Hills	Ward Melville	BLAX	Ward Melville High School		56	Type C, Type D
428	Tue, 3/28/2023	H H Hills West	Kings Park	BTEN	William T. Rogers Middle School		32	Type A, Type C, Type D
429	Wed, 3/29/2023	H H Hills	Brentwood	GLAX	Brentwood High School		20	Type A, Type C, Type D
430	Wed, 3/29/2023	H H Hills	Brentwood	GLAX	Brentwood High School		20	Type A, Type C, Type D
431	Wed, 3/29/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
432	Wed, 3/29/2023	H H Hills West	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
433	Wed, 3/29/2023	H H Hills West	Elwood/J Glenn	BSB	John Glenn High School		16	Type A, Type C, Type D
434	Wed, 3/29/2023	H H Hills East	North Babylon	BSB	North Babylon High School		12	Type A, Type C, Type D
435	Wed, 3/29/2023	Half Hollow Hills	Smithtown West	BBADM				Type A, Type C, Type D
436	Wed, 3/29/2023	Half Hollow Hills	Smithtown West	GBADM				Type A, Type C, Type D
437	Thu, 3/30/2023	H H Hills	Brentwood	SB	Brentwood High School		20	Type A, Type C, Type D
438	Thu, 3/30/2023	H H Hills East	Commack HS	BTEN	Commack High School		20	Type A, Type C, Type D
439	Thu, 3/30/2023	H H Hills West	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
440	Thu, 3/30/2023	H H Hills West	East Islip	BTR	East Islip Middle School		32	Type A, Type C, Type D
441	Thu, 3/30/2023	H H Hills West	Harborfields	BSB	Harborfields High School		20	Type A, Type C, Type D
442	Thu, 3/30/2023	H H Hills West	Smithtown East	BTEN	Smithtown East High School		34	Type A, Type C, Type D
443	Thu, 3/30/2023	H H Hills East	West Babylon	GTR	West Babylon Junior High School		16	Type A, Type C, Type D
444	Fri, 3/31/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
445	Fri, 3/31/2023	H H Hills West	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
446	Fri, 3/31/2023	H H Hills East	North Babylon	BSB	North Babylon High School		12	Type A, Type C, Type D
447	Fri, 3/31/2023	Half Hollow Hills	Riverhead	BLAX	Pulaski Sports Complex		20	Type A, Type C, Type D
448	Fri, 3/31/2023	H H Hills West	West Babylon	BTEN	West Babylon Senior High School		16	Type A, Type C, Type D
449	Sat, 4/1/2023	H H Hills	Central Islip	GLAX	Central Islip High School		24	Type A, Type C, Type D
450	Sat, 4/1/2023	H H Hills East	Scrimmage	BTR	Comsewogue High School	Cancelled due t	54	Type C, Type D
451	Sat, 4/1/2023	H H Hills West	Elwood/J Glenn	BSB	Diamond in the Pines		36	Type A, Type C, Type D
452	Mon, 4/3/2023	H H Hills West	Commack HS	SB	Commack High School		20	Type A, Type C, Type D
453	Mon, 4/3/2023	H H Hills West	Harborfields	BSB	Harborfields High School		20	Type A, Type C, Type D
454	Mon, 4/3/2023	Half Hollow Hills	Huntington	BBADM	Huntington High School		24	Type A, Type C, Type D
455	Mon, 4/3/2023	H H Hills East	Huntington	BSB	Huntington High School		24	Type A, Type C, Type D
456	Mon, 4/3/2023	Half Hollow Hills	Huntington	GBADM	Huntington High School		24	Type A, Type C, Type D
457	Mon, 4/3/2023	Half Hollow Hills	Huntington	BLAX	Huntington High School (GRASS)		24	Type A, Type C, Type D
458	Mon, 4/3/2023	H H Hills	Riverhead	GLAX	Pulaski Sports Complex (TURF FIELD)		20	Type A, Type C, Type D
459	Mon, 4/3/2023	H H Hills East	West Islip	BTR	West Islip High School		20	Type A, Type C, Type D
460	Tue, 4/4/2023	H H Hills East	Huntington	BSB	Huntington High School		24	Type A, Type C, Type D
461	Wed, 4/5/2023	H H Hills	Bay Shore	SB	Fifth Avenue School		20	Type A, Type C, Type D
462	Wed, 4/5/2023	H H Hills East	Huntington	BSB	Huntington High School		24	Type A, Type C, Type D
463	Sat, 4/8/2023	H H Hills West	Longwood Relays	BTR	Longwood High School		60	Type C
464	Sat, 4/8/2023	H H Hills West	Invitational	GTR	Longwood High School		60	Type C

Athletics Schedule

#	DATE	SCHOOL	VS.	SPORT	DESTINATION		TOTAL MILES	BUS TYPE
465	Mon, 4/10/2023	H H Hills	Central Islip	SB	Central Islip High School		24	Type A, Type C, Type D
466	Mon, 4/10/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
467	Mon, 4/10/2023	H H Hills West	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
468	Mon, 4/10/2023	H H Hills West	Kings Park	BSB	Kings Park High School		28	Type A, Type C, Type D
469	Mon, 4/10/2023	H H Hills West	Smithtown West	BTEN	Smithtown West High School		30	Type A, Type C, Type D
470	Mon, 4/10/2023	H H Hills West	Smithtown West	BTEN	Smithtown West High School	Rescheduled dc	30	Type A, Type C, Type D
471	Tue, 4/11/2023	Half Hollow Hills	Connetquot	GFF	Connetquot High School		30	Type A, Type C, Type D
472	Tue, 4/11/2023	H H Hills East	Elwood/J Glenn	BTEN	Elwood John Glenn High School		16	Type A, Type C, Type D
473	Tue, 4/11/2023	H H Hills West	Kings Park	BSB	Kings Park High School		28	Type A, Type C, Type D
474	Tue, 4/11/2023	H H Hills East	Northport	BSB	Northport High School		20	Type A, Type C, Type D
475	Tue, 4/11/2023	H H Hills West	Walt Whitman	SB	South Huntington Public Library		16	Type A, Type C, Type D
476	Wed, 4/12/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
477	Wed, 4/12/2023	H H Hills West	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
478	Wed, 4/12/2023	H H Hills East	Kings Park	BTEN	Kings Park High School		28	Type A, Type C, Type D
479	Wed, 4/12/2023	H H Hills East	Northport	BSB	Northport High School		20	Type A, Type C, Type D
480	Wed, 4/12/2023	H H Hills West	Steeplechase	BTR	Port Jefferson High School		60	Type C
481	Wed, 4/12/2023	H H Hills East	Steeplechase	BTR	Port Jefferson High School		60	Type C
482	Wed, 4/12/2023	Half Hollow Hills	Walt Whitman	BLAX	Walt Whitman High School		25	Type A, Type C, Type D
483	Thu, 4/13/2023	H H Hills East	H H Hills West	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
484	Thu, 4/13/2023	H H Hills West	Islip	BSB	Islip High School		20	Type A, Type C, Type D
485	Thu, 4/13/2023	H H Hills East	Syosset	BTEN	Syosset High School		28	Type A, Type C, Type D
486	Fri, 4/14/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
487	Fri, 4/14/2023	H H Hills West	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
488	Fri, 4/14/2023	Half Hollow Hills	Hauppauge	GFF	Hauppauge High School		25	Type A, Type C, Type D
489	Fri, 4/14/2023	H H Hills	Kings Park	SB	Kings Park High School		28	Type A, Type C, Type D
490	Fri, 4/14/2023	H H Hills East	Northport	BSB	Northport High School		20	Type A, Type C, Type D
491	Fri, 4/14/2023	H H Hills	Northport	GLAX	Northport High School (STADIUM FIELD)		20	Type A, Type C, Type D
492	Fri, 4/14/2023	H H Hills	Northport	GLAX	Northport High School (STADIUM FIELD)		20	Type A, Type C, Type D
493	Fri, 4/14/2023	Half Hollow Hills	Walt Whitman	BBADM	Walt Whitman High School		25	Type A, Type C, Type D
494	Fri, 4/14/2023	Half Hollow Hills	Walt Whitman	GBADM	Walt Whitman High School		25	Type A, Type C, Type D
495	Fri, 4/14/2023	H H Hills East	Ward Melville	BTEN	Ward Melville High School		56	Type C, Type D
496	Sat, 4/15/2023	H H Hills West	Suffolk Coaches	GTR	Bay Shore High School	Suffolk Coaches	15	Type A, Type C, Type D
497	Sat, 4/15/2023	H H Hills West	Invitational	BTR	Huntington High School		24	Type A, Type C, Type D
498	Sat, 4/15/2023	H H Hills West	Islip	BSB	Islip High School		20	Type A, Type C, Type D
499	Sat, 4/15/2023	H H Hills West	Northport	SB	Northport High School		20	Type A, Type C, Type D
500	Sat, 4/15/2023	Half Hollow Hills	Smithtown East	BLAX	Smithtown East High School (TURF FIELD)		34	Type A, Type C, Type D
501	Mon, 4/17/2023	Half Hollow Hills	Commack HS	BLAX	Commack High School		20	Type A, Type C, Type D
502	Mon, 4/17/2023	H H Hills West	Deer Park	BSB	Deer Park High School		6	Type A, Type C, Type D
503	Mon, 4/17/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
504	Mon, 4/17/2023	H H Hills West	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
505	Mon, 4/17/2023	H H Hills	Lindenhurst	SB	McKenna Administration Building		26	Type A, Type C, Type D
506	Mon, 4/17/2023	H H Hills East	West Islip	BSB	West Islip High School		20	Type A, Type C, Type D
507	Tue, 4/18/2023	H H Hills West	Commack HS	BTEN	Commack High School		20	Type A, Type C, Type D
508	Tue, 4/18/2023	H H Hills East	HUNTINGTON	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
509	Tue, 4/18/2023	H H Hills West	HUNTINGTON	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
510	Tue, 4/18/2023	H H Hills West	Hauppauge	GTR	Hauppauge High School		25	Type A, Type C, Type D
511	Tue, 4/18/2023	H H Hills East	North Babylon	GTR	North Babylon High School		12	Type A, Type C, Type D
512	Tue, 4/18/2023	H H Hills East	Smithtown West	BTEN	Smithtown West High School		30	Type A, Type C, Type D
513	Wed, 4/19/2023	H H Hills West	Deer Park	BSB	Deer Park High School		6	Type A, Type C, Type D
514	Wed, 4/19/2023	H H Hills West	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
515	Wed, 4/19/2023	H H Hills East	Harborfields	BTEN	Harborfields High School		20	Type A, Type C, Type D
516	Wed, 4/19/2023	Half Hollow Hills	Patchogue-Medford	BLAX	Patchogue Medford High School		48	Type C, Type D
517	Wed, 4/19/2023	Candlewood	Moses	BLAX	Robert Moses Middle School		8	Type A, Type C, Type D
518	Wed, 4/19/2023	H H Hills East	West Islip	BSB	West Islip High School		20	Type A, Type C, Type D
519	Wed, 4/19/2023	H H Hills West	Smithtown West	SB				Type A, Type C, Type D
520	Thu, 4/20/2023	West Hollow	Bethpage	BLAX	Bethpage High School		25	Type A, Type C, Type D
521	Thu, 4/20/2023	H H Hills West	Deer Park	BSB	Deer Park High School		6	Type A, Type C, Type D
522	Thu, 4/20/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
523	Thu, 4/20/2023	H H Hills West	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
524	Thu, 4/20/2023	H H Hills East	Huntington	BTEN	Huntington High School		24	Type A, Type C, Type D
525	Thu, 4/20/2023	H H Hills West	Northport	BTEN	Northport High School		20	Type A, Type C, Type D
526	Thu, 4/20/2023	H H Hills	Walt Whitman	GLAX	Walt Whitman High School		25	Type A, Type C, Type D
527	Thu, 4/20/2023	H H Hills	Walt Whitman	GLAX	Walt Whitman High School		25	Type A, Type C, Type D
528	Thu, 4/20/2023	H H Hills East	West Islip	BSB	West Islip High School		20	Type A, Type C, Type D
529	Fri, 4/21/2023	H H Hills West	Invitational	GTR	Connetquot High School	Joe Brandi Rela	30	Type A, Type C, Type D
530	Fri, 4/21/2023	H H Hills West	Relays	GTR	TBA	NYS Relays	40	Type A, Type C, Type D
531	Sat, 4/22/2023	H H Hills East	Suffolk Coaches	BTR	Commack High School		20	Type A, Type C, Type D
532	Sat, 4/22/2023	H H Hills West	Suffolk Coaches	BTR	Commack High School		20	Type A, Type C, Type D
533	Sat, 4/22/2023	H H Hills West	Relays	GTR	TBA	NYS Relays	40	Type A, Type C, Type D
534	Sat, 4/22/2023	H H Hills East	Wheatley	BTEN	Wheatley School		40	Type A, Type C, Type D
535	Mon, 4/24/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
536	Mon, 4/24/2023	H H Hills West	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
537	Mon, 4/24/2023	H H Hills West	Hauppauge	BSB	Hauppauge High School		25	Type A, Type C, Type D
538	Mon, 4/24/2023	H H Hills East	Westhampton	BTEN	Westhampton Beach High School		85	ROUTE TOO LONG
539	Tue, 4/25/2023	H H Hills West	Comsewogue	BTR	Comsewogue High School		54	Type C, Type D
540	Tue, 4/25/2023	H H Hills West	Elwood/J Glenn	BTEN	Elwood John Glenn High School		16	Type A, Type C, Type D
541	Tue, 4/25/2023	H H Hills West	North Babylon	SB	North Babylon High School		12	Type A, Type C, Type D
542	Tue, 4/25/2023	H H Hills East	Northport	BTEN	Northport High School		20	Type A, Type C, Type D
543	Tue, 4/25/2023	West Hollow	Moses	BLAX	Robert Moses Middle School		8	Type A, Type C, Type D
544	Tue, 4/25/2023	Half Hollow Hills	Sachem North	BLAX	Sachem North High School (TURF FIELD)		40	Type A, Type C, Type D
545	Tue, 4/25/2023	West Hollow	Udall	GTR	Udall Road Middle School		15	Type A, Type C, Type D
546	Wed, 4/26/2023	Half Hollow Hills	Brentwood	BBADM	Brentwood High School		20	Type A, Type C, Type D
547	Wed, 4/26/2023	Half Hollow Hills	Brentwood	GBADM	Brentwood High School		20	Type A, Type C, Type D
548	Wed, 4/26/2023	Candlewood White	Copiague	BSB	Copiague Middle School (MS BASEBALL FIELD)		16	Type A, Type C, Type D
549	Wed, 4/26/2023	H H Hills West	Hauppauge	BSB	Hauppauge Middle School		25	Type A, Type C, Type D
550	Wed, 4/26/2023	H H Hills East	Bay Shore	GGLF	Southward Ho Country Club		28	Type A, Type C, Type D
551	Wed, 4/26/2023	H H Hills West	Bay Shore	GGLF	Southward Ho Country Club		28	Type A, Type C, Type D
552	Thu, 4/27/2023	West Hollow	Candlewood	BLAX	Candlewood Middle School		11	Type A, Type C, Type D
553	Thu, 4/27/2023	West Hollow	Candlewood	SB	Candlewood Middle School		11	Type A, Type C, Type D
554	Thu, 4/27/2023	West Hollow	Copiague	GLAX	Copiague Middle School (GRASS FIELD)		16	Type A, Type C, Type D
555	Thu, 4/27/2023	H H Hills East	Deer Park	BTR	Deer Park High School		6	Type A, Type C, Type D
556	Thu, 4/27/2023	H H Hills West	Hauppauge	BSB	Hauppauge High School		25	Type A, Type C, Type D
557	Thu, 4/27/2023	H H Hills	Huntington	SB	Huntington High School		24	Type A, Type C, Type D
558	Thu, 4/27/2023	H H Hills	Patchogue-Medford	GLAX	Patchogue Medford High School (TURF FIELD)		48	Type C, Type D
559	Thu, 4/27/2023	Candlewood	Moses	GLAX	Robert Moses Middle School		8	Type A, Type C, Type D
560	Thu, 4/27/2023	H H Hills East	Smithtown East	BTEN	Smithtown East High School		34	Type A, Type C, Type D
561	Thu, 4/27/2023	H H Hills East	West Babylon	GGLF	SUMPWAMS		20	Type A, Type C, Type D
562	Thu, 4/27/2023	H H Hills East	West Islip	GGLF	SUMPWAMS		20	Type A, Type C, Type D
563	Thu, 4/27/2023	H H Hills West	West Babylon	GGLF	SUMPWAMS		20	Type A, Type C, Type D
564	Thu, 4/27/2023	H H Hills West	West Islip	GGLF	SUMPWAMS		20	Type A, Type C, Type D
565	Thu, 4/27/2023	H H Hills West	Penn Relays	BTR	TBA (UNIV. PA)		300	ROUTE TOO LONG
566	Thu, 4/27/2023	HH Hills West UBKB	Walt Whitman UBKB	UBKB	Walt Whitman High School (SOUTH GYM)		25	Type A, Type C, Type D
567	Fri, 4/28/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
568	Fri, 4/28/2023	H H Hills West	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
569	Fri, 4/28/2023	Candlewood	Finley	SB	Finley Middle School		22	Type A, Type C, Type D
570	Fri, 4/28/2023	West Hollow	Accompsett	BTR	Smithtown West High School		30	Type A, Type C, Type D
571	Fri, 4/28/2023	H H Hills East	Clarke	BSB	W Tresper Clarke High School		40	Type A, Type C, Type D
572	Sat, 4/29/2023	Half Hollow Hills	Longwood	BLAX	Longwood High School		60	Type C
573	Sat, 4/29/2023	H H Hills West	Invitational	BTR	Smithtown East High School	Bob Pratt Invite	34	Type A, Type C, Type D
574	Sat, 4/29/2023	H H Hills West	Invitational	GTR	Smithtown East High School	Bob Pratt Invite	34	Type A, Type C, Type D
575	Sat, 4/29/2023	H H Hills East	Invitational	GTR	Smithtown East High School	Smithtown Invit	34	Type A, Type C, Type D
576	Mon, 5/1/2023	Candlewood	Copiague	GTR	Copiague High School (TURF FIELD)		16	Type A, Type C, Type D
577	Mon, 5/1/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
578	Mon, 5/1/2023	H H Hills West	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
579	Mon, 5/1/2023	H H Hills East	E Hampton/BH/Pier	BTEN	East Hampton High School		136	ROUTE TOO LONG
580	Mon, 5/1/2023	WEST HOLLOW WHITE	Amityville	BSB	Edmund W. Miles Middle School		8	Type A, Type C, Type D
581	Mon, 5/1/2023	Half Hollow Hills	North Babylon	GFF	North Babylon High School		12	Type A, Type C, Type D

Athletics Schedule

#	DATE	SCHOOL	VS.	SPORT	DESTINATION		TOTAL MILES	BUS TYPE
582	Mon, 5/1/2023	Half Hollow Hills	Patchogue-Medford	BBADM	Patchogue Medford High School		48	Type C, Type D
583	Mon, 5/1/2023	Half Hollow Hills	Patchogue-Medford	GBADM	Patchogue Medford High School		48	Type C, Type D
584	Mon, 5/1/2023	H H Hills East	Smithtown West	GTR	Smithtown West High School		30	Type A, Type C, Type D
585	Mon, 5/1/2023	H H Hills West	Walt Whitman	BTEN	Walt Whitman High School		25	Type A, Type C, Type D
586	Mon, 5/1/2023	H H Hills West	West Babylon	BSB	West Babylon Senior High School		16	Type A, Type C, Type D
587	Tue, 5/2/2023	H H Hills East	Copiague	BSB	Copiague High School		16	Type A, Type C, Type D
588	Tue, 5/2/2023	HH Hills East UBKB	HH Hills West UBKB	UBKB	H H HILLS WEST HS		10	Type A, Type C, Type D
589	Tue, 5/2/2023	H H Hills East	Hauppauge	BTEN	Hauppauge High School		25	Type A, Type C, Type D
590	Tue, 5/2/2023	Candlewood White	West Babylon Blue	BSB	West Babylon Senior High School		16	Type A, Type C, Type D
591	Tue, 5/2/2023	H H Hills	West Islip	SB	West Islip High School		20	Type A, Type C, Type D
592	Wed, 5/3/2023	H H Hills West	Brentwood	SB	Brentwood High School		20	Type A, Type C, Type D
593	Wed, 5/3/2023	Half Hollow Hills	Connetquot	BLAX	Connetquot High School		30	Type A, Type C, Type D
594	Wed, 5/3/2023	H H Hills East	Copiague	BSB	Copiague High School		16	Type A, Type C, Type D
595	Wed, 5/3/2023	H H Hills West	H H Hills East	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
596	Wed, 5/3/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
597	Wed, 5/3/2023	H H Hills West	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
598	Wed, 5/3/2023	West Hollow Red	LINDENHURST GREEN	BSB	Shore Road Park		100	ROUTE TOO LONG
599	Wed, 5/3/2023	H H Hills West	West Babylon	BSB	West Babylon Senior High School		16	Type A, Type C, Type D
600	Thu, 5/4/2023	H H Hills	Copiague	GLAX	Copiague High School		16	Type A, Type C, Type D
601	Thu, 5/4/2023	H H Hills	Copiague	GLAX	Copiague High School		16	Type A, Type C, Type D
602	Thu, 5/4/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
603	Thu, 5/4/2023	H H Hills West	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
604	Thu, 5/4/2023	HH Hills West UBKB	John Glenn UBKB	UBKB	Elwood John Glenn High School		16	Type A, Type C, Type D
605	Thu, 5/4/2023	H H Hills West	Harborfields	BTEN	Harborfields High School		20	Type A, Type C, Type D
606	Thu, 5/4/2023	Half Hollow Hills	Harborfields	GFF	Harborfields High School		20	Type A, Type C, Type D
607	Thu, 5/4/2023	West Hollow/Cand	Seneca/Sam/Sag	SBSW	Sachem North High School		40	Type A, Type C, Type D
608	Thu, 5/4/2023	H H Hills East	Walt Whitman	BTEN	Walt Whitman High School		25	Type A, Type C, Type D
609	Thu, 5/4/2023	H H Hills West	West Babylon	BSB	West Babylon Senior High School		16	Type A, Type C, Type D
610	Thu, 5/4/2023	H H Hills West	Westhampton	GTR	Westhampton Beach High School		85	ROUTE TOO LONG
611	Fri, 5/5/2023	West Hollow	Amityville	BTR	Amityville Memorial High School		20	Type A, Type C, Type D
612	Fri, 5/5/2023	H H Hills East	Copiague	BSB	Copiague High School		16	Type A, Type C, Type D
613	Fri, 5/5/2023	H H Hills East	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
614	Fri, 5/5/2023	H H Hills West	Practice	GGLF	Dix Hills Park Golf Course		12	Type A, Type C, Type D
615	Fri, 5/5/2023	Candlewood Red	Northport MS	BSB	Northport MIddle School		24	Type A, Type C, Type D
616	Fri, 5/5/2023	H H Hills West	St Anthonys	BTR	St. Anthony's High School		16	Type A, Type C, Type D
617	Fri, 5/5/2023	H H Hills West	St Anthonys	GTR	St. Anthony's High School		16	Type A, Type C, Type D
618	Fri, 5/5/2023	Half Hollow Hills	Ward Melville	BBADM	Ward Melville High School		56	Type C, Type D
619	Fri, 5/5/2023	Half Hollow Hills	Ward Melville	GBADM	Ward Melville High School		56	Type C, Type D
620	Sat, 5/6/2023	H H Hills West	Bellport	SB	Bellport High School		58	Type C
621	Sat, 5/6/2023	Half Hollow Hills	Copiague	BLAX	Copiague High School		16	Type A, Type C, Type D
622	Sat, 5/6/2023	Candlewood	West Hollow	BLAX	Half Hollow Hills East High School		16	Type A, Type C, Type D
623	Sat, 5/6/2023	Candlewood	Islip	GLAX	Islip Middle School		20	Type A, Type C, Type D
624	Sat, 5/6/2023	H H Hills West	St Anthonys	GTR	St. Anthony's High School		16	Type A, Type C, Type D
625	Mon, 5/8/2023	H H Hills	Middle Country	GLAX	Centereach High School		44	Type A, Type C, Type D
626	Mon, 5/8/2023	H H Hills	Middle Country	GLAX	Centereach High School		44	Type A, Type C, Type D
627	Mon, 5/8/2023	H H Hills	Commack HS	SB	Commack High School		20	Type A, Type C, Type D
628	Mon, 5/8/2023	Candlewood	Commack	SB	Commack Middle School		7	Type A, Type C, Type D
629	Mon, 5/8/2023	Candlewood	Copiague	BLAX	Copiague Middle School (GRASS FIELD)		16	Type A, Type C, Type D
630	Mon, 5/8/2023	H H Hills West	East Islip	BSB	East Islip High School		32	Type A, Type C, Type D
631	Mon, 5/8/2023	West Hollow	Deer Park	GLAX	Robert Frost Middle School		8	Type A, Type C, Type D
632	Tue, 5/9/2023	Half Hollow Hills	Bay Shore	BLAX	Bay Shore High School		15	Type A, Type C, Type D
633	Tue, 5/9/2023	West Hollow	Beach	GTR	Beach Street Middle School		8	Type A, Type C, Type D
634	Tue, 5/9/2023	H H Hills West	H H Hills East	BTEN	H H HILLS EAST HS		10	Type A, Type C, Type D
635	Tue, 5/9/2023	H H Hills East	H H Hills West	BTEN	H H HILLS WEST HS		10	Type A, Type C, Type D
636	Tue, 5/9/2023	WEST HOLLOW WHITE	Moses	BSB	Robert Moses Middle School		8	Type A, Type C, Type D
637	Tue, 5/9/2023	H H Hills East	Smithtown West	BSB	Smithtown West High School		30	Type A, Type C, Type D
638	Tue, 5/9/2023	HH Hills East UBKB	Walt Whitman UBKB	UBKB	Walt Whitman High School (SOUTH GYM)		25	Type A, Type C, Type D
639	Wed, 5/10/2023	Half Hollow Hills	Sayville	GFF	160 Greeley Avenue (TURF FIELD)		42	Type A, Type C, Type D
640	Wed, 5/10/2023	Half Hollow Hills	Central Islip	BBADM	Central Islip High School		24	Type A, Type C, Type D
641	Wed, 5/10/2023	Half Hollow Hills	Central Islip	GBADM	Central Islip High School		24	Type A, Type C, Type D
642	Wed, 5/10/2023	H H Hills West	EH/BH/Pier	BTR	East Hampton High School		136	ROUTE TOO LONG
643	Wed, 5/10/2023	H H Hills West	East Islip	BSB	East Islip High School		32	Type A, Type C, Type D
644	Wed, 5/10/2023	Candlewood	East Northport	SB	East Northport Middle School		20	Type A, Type C, Type D
645	Wed, 5/10/2023	H H Hills West	Bay Shore	SB	Fifth Avenue School		20	Type A, Type C, Type D
646	Wed, 5/10/2023	West Hollow White	Practice	SB	H H HILLS WEST HS		16	Type A, Type C, Type D
647	Wed, 5/10/2023	H H Hills East	Smithtown West	BSB	Smithtown West High School		30	Type A, Type C, Type D
648	Thu, 5/11/2023	H H Hills East	Bellport	BTR	Bellport High School		58	Type C
649	Thu, 5/11/2023	West Hollow/Cand	Brentwood/Bay Shore	SBSW	Brentwood High School (ROSS AQUATIC CENTER)		20	Type A, Type C, Type D
650	Thu, 5/11/2023	H H Hills West	Copiague	SB	Copiague High School (HS SOFTBALL FIELD)	rescheduled	16	Type A, Type C, Type D
651	Thu, 5/11/2023	H H Hills West	East Islip	BSB	East Islip High School		32	Type A, Type C, Type D
652	Thu, 5/11/2023	Candlewood Red	East Northport	BSB	East Northport Middle School		20	Type A, Type C, Type D
653	Thu, 5/11/2023	HH Hills West UBKB	Huntington UBKB	UBKB	Finley Middle School		22	Type A, Type C, Type D
654	Thu, 5/11/2023	H H Hills	Patchogue-Medford	GLAX	Patchogue Medford High School (GRASS FIELD)		48	Type C, Type D
655	Thu, 5/11/2023	H H Hills East	Smithtown West	BSB	Smithtown West High School		30	Type A, Type C, Type D
656	Thu, 5/11/2023	West Hollow	Kings Park	SB	William T. Rogers Middle School		32	Type A, Type C, Type D
657	Fri, 5/12/2023	Half Hollow Hills	Brentwood	BLAX	Brentwood High School		20	Type A, Type C, Type D
658	Fri, 5/12/2023	West Hollow Red	Finley	BSB	Finley Middle School		22	Type A, Type C, Type D
659	Fri, 5/12/2023	Candlewood Red	Oldfield	BSB	Oldfield Middle School		24	Type A, Type C, Type D
660	Fri, 5/12/2023	Candlewood	Great Hollow	BTR	Smithtown East High School		34	Type A, Type C, Type D
661	Fri, 5/12/2023	H H Hills	Walt Whitman	SB	South Huntington Public Library		16	Type A, Type C, Type D
662	Fri, 5/12/2023	H H Hills East	Invitational	GTR	West Babylon Junior High School	Bohlinger Invita	16	Type A, Type C, Type D
663	Fri, 5/12/2023	H H Hills West	Invitational	GTR	West Babylon Senior High School		16	Type A, Type C, Type D
664	Fri, 5/12/2023	H H Hills West	Loucks Games	BTR	White Plains High School	Loucks Games	100	ROUTE TOO LONG
665	Fri, 5/12/2023	H H Hills West	Loucks Games	GTR	White Plains High School	Loucks Games	100	ROUTE TOO LONG
666	Sat, 5/13/2023	H H Hills West	Loucks Games	BTR	White Plains High School	Loucks Games	100	ROUTE TOO LONG
667	Sat, 5/13/2023	H H Hills West	Loucks Games	GTR	White Plains High School	Loucks Games	100	ROUTE TOO LONG
668	Mon, 5/15/2023	West Hollow	Brentwood White	GLAX	Brentwood North Middle School		18	Type A, Type C, Type D
669	Mon, 5/15/2023	Candlewood	Central Islip	GLAX	Central Islip High School		24	Type A, Type C, Type D
670	Mon, 5/15/2023	Half Hollow Hills	Commack HS	BBADM	Commack High School		20	Type A, Type C, Type D
671	Mon, 5/15/2023	Half Hollow Hills	Commack HS	GBADM	Commack High School		20	Type A, Type C, Type D
672	Mon, 5/15/2023	West Hollow	Elwood	SB	Elwood John Glenn High School		16	Type A, Type C, Type D
673	Mon, 5/15/2023	H H Hills East	Frosh/Soph Meet	GTR	Longwood High School	Frosh/Soph Cha	60	Type C
674	Mon, 5/15/2023	H H Hills West	Frosh/Soph Meet	GTR	Longwood High School	Frosh Soph	60	Type C
675	Tue, 5/16/2023	Half Hollow Hills	Bayport-Blue Pt	BLAX	Bayport Blue Point High School		24	Type A, Type C, Type D
676	Tue, 5/16/2023	Candlewood White	Commack White	BSB	Commack Middle School		7	Type A, Type C, Type D
677	Tue, 5/16/2023	H H Hills West	Hauppauge	BSB	Hauppauge High School		25	Type A, Type C, Type D
678	Tue, 5/16/2023	H H Hills West	Frosh/Soph Meet	BTR	Longwood High School	Frosh Soph Invi	60	Type C
679	Tue, 5/16/2023	West Hollow Red	Udall	BSB	Manetuck Elementary School		12	Type A, Type C, Type D
680	Tue, 5/16/2023	Candlewood	Stimson	GTR	Walt Whitman High School (TURF FIELD)		25	Type A, Type C, Type D
681	Wed, 5/17/2023	H H Hills West	Invitational	BTR	Copiague High School		16	Type A, Type C, Type D
682	Wed, 5/17/2023	H H Hills East	Invitational	BTR	Copiague High School	Chris Urban Inv	16	Type A, Type C, Type D
683	Wed, 5/17/2023	H H Hills West	Invitational	GTR	Copiague High School		16	Type A, Type C, Type D
684	Wed, 5/17/2023	Candlewood	Northport MS	SB	Northport MIddle School		24	Type A, Type C, Type D
685	Thu, 5/18/2023	West Hollow/Cand	Hauppauge	SBSW	Hauppauge High School		25	Type A, Type C, Type D
686	Thu, 5/18/2023	HH Hills East UBKB	Northport UBKB	UBKB	Northport High School		20	Type A, Type C, Type D
687	Thu, 5/18/2023	Candlewood	Moses	GTR	Robert Moses Middle School		8	Type A, Type C, Type D
688	Thu, 5/18/2023	West Hollow	Stimson	GTR	Walt Whitman High School		25	Type A, Type C, Type D
689	Thu, 5/18/2023	H H Hills West	Ward Melville	BTEN	Ward Melville High School		56	Type C, Type D
690	Fri, 5/19/2023	H H Hills West	Kings Park	BSB	Kings Park High School		28	Type A, Type C, Type D
691	Fri, 5/19/2023	Candlewood Red	Kings Park	BSB	William T. Rogers Middle School		32	Type A, Type C, Type D
692	Sat, 5/20/2023	Half Hollow Hills	Northport	BLAX	Northport High School	PO	20	Type A, Type C, Type D
693	Mon, 5/22/2023	WEST HOLLOW WHITE	West Babylon Blue	BSB	Anthony Sanchez Memorial Park		12	Type A, Type C, Type D
694	Mon, 5/22/2023	H H Hills West	East Islip	BSB	East Islip High School		32	Type A, Type C, Type D
695	Mon, 5/22/2023	Half Hollow Hills	Hauppauge	GFF	Hauppauge High School		25	Type A, Type C, Type D
696	Mon, 5/22/2023	West Hollow	Hauppauge	SB	Hauppauge Middle School	postponed	25	Type A, Type C, Type D
697	Mon, 5/22/2023	Candlewood	Accompsett	GTR	Smithtown West High School		30	Type A, Type C, Type D
698	Tue, 5/23/2023	Candlewood	Amityville	BTR	Amityville Memorial High School		20	Type A, Type C, Type D

Athletics Schedule

#	DATE	SCHOOL	VS.	SPORT	DESTINATION		TOTAL MILES	BUS TYPE
699	Tue, 5/23/2023	West Hollow	Finley	SB	Finley Middle School		22	Type A, Type C, Type D
700	Tue, 5/23/2023	West Hollow	Hauppauge	BLAX	Hauppauge Middle School		25	Type A, Type C, Type D
701	Tue, 5/23/2023	Candlewood	Deer Park	BLAX	Robert Frost Middle School		8	Type A, Type C, Type D
702	Wed, 5/24/2023	H H Hills East	Commack HS	BTEN	Commack High School		20	Type A, Type C, Type D
703	Wed, 5/24/2023	West Hollow	Commack MS	BTR	Commack Middle School		7	Type A, Type C, Type D
704	Wed, 5/24/2023	H H Hills East	Championships	BTR	Connetquot High School	County A Cham	30	Type A, Type C, Type D
705	Wed, 5/24/2023	H H Hills East	Championships	GTR	Connetquot High School	County A Cham	30	Type A, Type C, Type D
706	Wed, 5/24/2023	Candlewood	West Hollow	GLAX	H H HILLS EAST HS		16	Type A, Type C, Type D
707	Wed, 5/24/2023	West Hollow Red	Oldfield	BSB	Harborfields High School		20	Type A, Type C, Type D
708	Thu, 5/25/2023	H H Hills West	Championships	BTR	Kings Park High School		28	Type A, Type C, Type D
709	Thu, 5/25/2023	H H Hills West	Championships	GTR	Kings Park High School	County B Cham	28	Type A, Type C, Type D
710	Thu, 5/25/2023	West Hollow	Oldfield	SB	Oldfield Middle School		24	Type A, Type C, Type D
711	Thu, 5/25/2023	Half Hollow Hills	Patchogue	GFF	Sachem East High School		48	Type C, Type D
712	Thu, 5/25/2023	Candlewood	Stimson	SB	Stimson Middle School		22	Type A, Type C, Type D
713	Tue, 5/30/2023	Candlewood White	Amityville	BSB	Amityville Memorial High School		20	Type A, Type C, Type D
714	Tue, 5/30/2023	WEST HOLLOW WHITE	Commack White	BSB	Commack Middle School		7	Type A, Type C, Type D
715	Tue, 5/30/2023	West Hollow	Lindenhurst	GTR	Lindenhurst Middle School		16	Type A, Type C, Type D
716	Tue, 5/30/2023	HH Hills East UBKB	Wyandanch UBKB	UBKB	Wyandanch Memorial High School		12	Type A, Type C, Type D
717	Wed, 5/31/2023	Candlewood	Beach	BTR	Beach Street Middle School		8	Type A, Type C, Type D
718	Wed, 5/31/2023	West Hollow/Cand	Gelinas/Murphy	SBSW	Ward Melville High School		56	Type C, Type D
719	Thu, 6/1/2023	WEST HOLLOW WHITE	Brentwood East	BSB	Brentwood East Middle School		24	Type A, Type C, Type D
720	Thu, 6/1/2023	Candlewood	Brentwood White	GLAX	Brentwood North Middle School		18	Type A, Type C, Type D
721	Thu, 6/1/2023	H H Hills West	State Qual Meet	BTR	Comsewogue High School		54	Type C, Type D
722	Thu, 6/1/2023	H H Hills East	State Qual Meet	BTR	Comsewogue High School	Section XI State	54	Type C, Type D
723	Thu, 6/1/2023	H H Hills East	Championships	GTR	Comsewogue High School	Section XI Char	54	Type C, Type D
724	Thu, 6/1/2023	H H Hills West	State Qual Meet	GTR	Comsewogue High School	State Qualifer	54	Type C, Type D
725	Thu, 6/1/2023	West Hollow	Elwood	BLAX	Elwood John Glenn High School		16	Type A, Type C, Type D
726	Thu, 6/1/2023	Candlewood Red	LINDENHURST GREEN	BSB	Lindenhurst Middle School		16	Type A, Type C, Type D
727	Fri, 6/2/2023	West Hollow	Candlewood	GTR	Candlewood Middle School		11	Type A, Type C, Type D
728	Fri, 6/2/2023	H H Hills West	State Qual Meet	BTR	Comsewogue High School		54	Type C, Type D
729	Fri, 6/2/2023	H H Hills East	State Qual Meet	BTR	Comsewogue High School	Section XI State	54	Type C, Type D
730	Fri, 6/2/2023	H H Hills West	State Qual Meet	GTR	Comsewogue High School	State Qualifer	54	Type C, Type D
731	Fri, 6/2/2023	H H Hills East	State Qual Meet	GTR	Comsewogue High School	State Qualifer	54	Type C, Type D
732	Fri, 6/2/2023	Candlewood	West Hollow	BTR	West Hollow Middle School		20	Type A, Type C, Type D
733	Sat, 6/3/2023	West Hollow Red	Candlewood Red	BSB	H H HILLS WEST HS		16	Type A, Type C, Type D
734	Sat, 6/3/2023	Candlewood White	WEST HOLLOW WHITE	BSB	Half Hollow Hills East High School	cancelled	16	Type A, Type C, Type D
735	Fri, 6/9/2023	H H Hills West	Championships	BTR	TBA (CICERO, NY)	NYS Champion	625	ROUTE TOO LONG
736	Sat, 6/10/2023	H H Hills West	Championships	BTR	TBA (CICERO, NY)	NYS Champion	625	ROUTE TOO LONG
737	Sat, 6/10/2023	H H Hills East	Championships	GTR	TBA (CICERO, NY)	NYS Champion	625	ROUTE TOO LONG
738	Sun, 6/11/2023	H H Hills East	Championships	GTR	TBA (CICERO, NY)	NYS Champion	625	ROUTE TOO LONG
739	Fri, 8/25/2023	Half Hollow Hills	Practice	BXC	Sunken Meadow State Park		32	Type A, Type C, Type D
740	Mon, 8/28/2023	H H Hills East	East Islip	BSOC	East Islip Middle School (TURF FIELD)		32	Type A, Type C, Type D
741	Mon, 8/28/2023	H H Hills East	Elwood/J Glenn	GSOC	Elwood John Glenn High School		16	Type A, Type C, Type D
742	Mon, 8/28/2023	H H Hills West	H H Hills East	FGVB	H H HILLS EAST HS		16	Type A, Type C, Type D
743	Mon, 8/28/2023	H H Hills East	H H Hills West	FGVB	H H HILLS WEST HS		10	Type A, Type C, Type D
744	Mon, 8/28/2023	H H Hills West	Multi Team Scrimmage	BSOC	Sachem East High School		48	Type C, Type D
745	Mon, 8/28/2023	H H Hills East	William Floyd	GTEN	William Floyd High School		70	ROUTE TOO LONG
746	Tue, 8/29/2023	H H Hills West	Bayport-Blue Point	GSOC	Bayport Blue Point High School (TURF)		24	Type A, Type C, Type D
747	Tue, 8/29/2023	H H Hills West	East Islip	BSOC	East Islip High School (TURF FIELD)		32	Type A, Type C, Type D
748	Tue, 8/29/2023	H H Hills	West Islip	FBVB	West Islip High School (SMALL GYM)		20	Type A, Type C, Type D
749	Wed, 8/30/2023	H H Hills East	Huntington	BSOC	Huntington High School (TURF)		24	Type A, Type C, Type D
750	Wed, 8/30/2023	H H Hills East	Huntington	GSOC	Huntington High School (TURF)		24	Type A, Type C, Type D
751	Wed, 8/30/2023	H H Hills West	Sachem East	GSOC	Sachem East High School (TURF FIELD)		48	Type C, Type D
752	Thu, 8/31/2023	H H Hills East	Bellport	FGVB	Bellport High School		58	Type C
753	Thu, 8/31/2023	H H Hills East	Bellport	FGVB	Bellport High School		58	Type C
754	Thu, 8/31/2023	H H Hills West	Huntington	GTEN	Huntington High School		24	Type A, Type C, Type D
755	Thu, 8/31/2023	H H Hills East	Suffern	GTEN	Suffern High School		145	ROUTE TOO LONG
756	Thu, 8/31/2023	H H Hills West	Multi Team Scrimmage	FBGL	West Sayville Golf Course		44	Type A, Type C, Type D
757	Fri, 9/1/2023	H H Hills West	Connetquot	FGVB	Connetquot High School		30	Type A, Type C, Type D
758	Fri, 9/1/2023	H H Hills West	Connetquot	FGVB	Connetquot High School		30	Type A, Type C, Type D
759	Fri, 9/1/2023	H H Hills	East Islip	FBVB	East Islip Middle School		32	Type A, Type C, Type D
760	Fri, 9/1/2023	H H Hills	East Islip	FBVB	East Islip Middle School		32	Type A, Type C, Type D
761	Fri, 9/1/2023	H H Hills East	Farmingdale	FB	Farmingdale High School		22	Type A, Type C, Type D
762	Fri, 9/1/2023	H H Hills East	Bethlehem	GTEN	TBA (BETHLEHEM)	return approx 4-	270	ROUTE TOO LONG
763	Sat, 9/2/2023	H H Hills West	EH/Pier/BH/Ross	FB	East Hampton High School		136	ROUTE TOO LONG
764	Sat, 9/2/2023	H H Hills West	Miller Place	BSOC	Miller Place High School (UPPER TURF)		62	ROUTE TOO LONG
765	Tue, 9/5/2023	H H Hills West	H H Hills East	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
766	Tue, 9/5/2023	H H Hills	Eastport/S Manor	FBVB	Eastport South Manor High School		66	ROUTE TOO LONG
767	Tue, 9/5/2023	H H Hills	Eastport/S Manor	FBVB	Eastport South Manor High School		66	ROUTE TOO LONG
768	Tue, 9/5/2023	H H Hills West	Islip	BSOC	Islip High School		20	Type A, Type C, Type D
769	Tue, 9/5/2023	H H Hills East	Sayville	GTEN	Sayville High School		36	Type A, Type C, Type D
770	Tue, 9/5/2023	Half Hollow Hills	Practice	GDC	TBA (CENTRAL OFFICE)		12	Type A, Type C, Type D
771	Tue, 9/5/2023	H H Hills West	Practice	FBGL	The Hamlet Golf and Country Club		20	Type A, Type C, Type D
772	Tue, 9/5/2023	H H Hills East	West Babylon	GSOC	West Babylon Junior High School		16	Type A, Type C, Type D
773	Wed, 9/6/2023	H H Hills East	Bayport-Blue Point	GTEN	Bayport Blue Point High School	cancelled	24	Type A, Type C, Type D
774	Wed, 9/6/2023	H H Hills East	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
775	Wed, 9/6/2023	H H Hills West	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
776	Wed, 9/6/2023	H H Hills West	Practice	FBGL	Heartland Golf Course		10	Type A, Type C, Type D
777	Thu, 9/7/2023	H H Hills West	Practice	FBGL	The Hamlet Golf and Country Club		20	Type A, Type C, Type D
778	Fri, 9/8/2023	H H Hills East	Brentwood	GSOC	Brentwood High School		20	Type A, Type C, Type D
779	Fri, 9/8/2023	H H Hills West	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
780	Fri, 9/8/2023	H H Hills East	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
781	Fri, 9/8/2023	H H Hills West	East Islip	FB	East Islip Middle School		32	Type A, Type C, Type D
782	Fri, 9/8/2023	H H Hills East	Practice	FBGL	Heartland Golf Course		10	Type A, Type C, Type D
783	Fri, 9/8/2023	H H Hills East	Islip	GTEN	Islip High School		20	Type A, Type C, Type D
784	Fri, 9/8/2023	H H Hills West	Kings Park	FGVB	Kings Park High School		28	Type A, Type C, Type D
785	Fri, 9/8/2023	H H Hills West	Kings Park	FGVB	Kings Park High School		28	Type A, Type C, Type D
786	Fri, 9/8/2023	H H Hills	North Babylon	FH	North Babylon High School		12	Type A, Type C, Type D
787	Fri, 9/8/2023	H H Hills	North Babylon	FH	North Babylon High School		12	Type A, Type C, Type D
788	Fri, 9/8/2023	H H Hills West	Rocky Point	GSOC	Rocky Point High School (UPPER TURF)		70	ROUTE TOO LONG
789	Fri, 9/8/2023	H H Hills East	STONY BROOK SCHOOL	BSOC	Stony Brook School		44	Type A, Type C, Type D
790	Sat, 9/9/2023	H H Hills West	Sayville	BSOC	160 Greeley Avenue (TURF FIELD)		42	Type A, Type C, Type D
791	Sat, 9/9/2023	H H Hills East	Lindenhurst	GSOC	Daniel Street Elementary School		14	Type A, Type C, Type D
792	Sat, 9/9/2023	H H Hills East	Tournament	FGVB	Eastport South Manor High School		66	ROUTE TOO LONG
793	Sat, 9/9/2023	H H Hills West	Tournament	FGVB	Eastport South Manor High School		66	ROUTE TOO LONG
794	Sat, 9/9/2023	H H Hills East	Newfield	FB	Newfield High School		48	Type C, Type D
795	Sat, 9/9/2023	H H Hills East	Syosset	GTEN	Syosset High School	Postponed	28	Type A, Type C, Type D
796	Mon, 9/11/2023	H H Hills West	Practice	FBGL	Cold Spring Golf Course		25	Type A, Type C, Type D
797	Mon, 9/11/2023	H H Hills East	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
798	Mon, 9/11/2023	H H Hills West	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
799	Mon, 9/11/2023	H H Hills East	Practice	FBGL	Heartland Golf Course		10	Type A, Type C, Type D
800	Mon, 9/11/2023	H H Hills	Shoreham WR	FBVB	Shoreham Wading River High School		74	ROUTE TOO LONG
801	Mon, 9/11/2023	H H Hills East	Smithtown East	BSOC	Smithtown East High School (GRASS FIELD)		34	Type A, Type C, Type D
802	Tue, 9/12/2023	H H Hills West	Elwood/J Glenn	FBGL	Crab Meadow Golf Course		25	Type A, Type C, Type D
803	Tue, 9/12/2023	H H Hills West	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
804	Tue, 9/12/2023	H H Hills West	Hauppauge	GSOC	Hauppauge High School		25	Type A, Type C, Type D
805	Tue, 9/12/2023	H H Hills West	Rocky Point	GTEN	Rocky Point High School		70	ROUTE TOO LONG
806	Tue, 9/12/2023	H H Hills	WF/EPT/LW/WH/BEL/SWR	FGGM	William Paca Middle School		70	ROUTE TOO LONG
807	Wed, 9/13/2023	H H Hills West	Amityville	FB	Amityville Memorial High School		20	Type A, Type C, Type D
808	Wed, 9/13/2023	H H Hills East	Practice	FBGL	Bethpage State Park Golf Course		26	Type A, Type C, Type D
809	Wed, 9/13/2023	H H Hills East	Newfield	BSOC	Selden Middle School (TURF)		50	Type C, Type D
810	Wed, 9/13/2023	H H Hills West	Kings Park	FBGL	Smithtown Landing Country Club		36	Type A, Type C, Type D
811	Wed, 9/13/2023	H H Hills East	Kings Park	FBGL	Smithtown Landing Country Club		36	Type A, Type C, Type D
812	Wed, 9/13/2023	H H Hills East	Walt Whitman	GSOC	Walt Whitman High School		25	Type A, Type C, Type D
813	Wed, 9/13/2023	H H Hills East	Westhampton	GTEN	Westhampton Beach High School		85	ROUTE TOO LONG
814	Thu, 9/14/2023	H H Hills West	Center Moriches	GTEN	Center Moriches High School (CMHS)		66	ROUTE TOO LONG
815	Thu, 9/14/2023	H H Hills East	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D

Athletics Schedule

#	DATE	SCHOOL	VS.	SPORT	DESTINATION		TOTAL MILES	BUS TYPE
816	Thu, 9/14/2023	H H Hills West	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
817	Thu, 9/14/2023	H H Hills West	Huntington	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
818	Thu, 9/14/2023	H H Hills East	West Islip	FGVB	West Islip High School (SMALL GYM)		20	Type A, Type C, Type D
819	Thu, 9/14/2023	H H Hills East	West Islip	FGVB	West Islip High School (SMALL GYM)		20	Type A, Type C, Type D
820	Thu, 9/14/2023	H H Hills West	Westhampton	FGVB	Westhampton Beach Middle School (MS GYM)		85	ROUTE TOO LONG
821	Thu, 9/14/2023	H H Hills West	Westhampton	FGVB	Westhampton Beach Middle School (MS GYM)		85	ROUTE TOO LONG
822	Thu, 9/14/2023	H H Hills West	Wyandanch	BSOC	Wyandanch Memorial High School		12	Type A, Type C, Type D
823	Fri, 9/15/2023	H H Hills East	Practice	FBGL	Bethpage State Park Golf Course		26	Type A, Type C, Type D
824	Fri, 9/15/2023	H H Hills East	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
825	Fri, 9/15/2023	H H Hills West	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
826	Fri, 9/15/2023	H H Hills West	H H Hills East	GTEN	H H HILLS EAST HS		16	Type A, Type C, Type D
827	Fri, 9/15/2023	H H Hills East	H H Hills West	GTEN	H H HILLS WEST HS		10	Type A, Type C, Type D
828	Fri, 9/15/2023	H H Hills	Hauppauge	FGGM	Half Hollow Hills East High School		10	Type A, Type C, Type D
829	Fri, 9/15/2023	H H Hills	Sachem East	FBVB	Sachem East High School		48	Type C, Type D
830	Fri, 9/15/2023	Half Hollow Hills	Invitational	BXC	Sunken Meadow State Park	Bob Pratt Invite	32	Type A, Type C, Type D
831	Mon, 9/18/2023	H H Hills East	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
832	Mon, 9/18/2023	H H Hills West	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
833	Mon, 9/18/2023	H H Hills West	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
834	Mon, 9/18/2023	H H Hills East	Practice	FBGL	Heartland Golf Course		10	Type A, Type C, Type D
835	Mon, 9/18/2023	H H Hills West	Practice	FBGL	Heartland Golf Course		10	Type A, Type C, Type D
836	Mon, 9/18/2023	H H Hills East	North Babylon	BSOC	North Babylon High School		12	Type A, Type C, Type D
837	Mon, 9/18/2023	H H Hills/Kings Park	Sachem North	GSW	Sachem North High School		40	Type A, Type C, Type D
838	Tue, 9/19/2023	H H Hills East	Bay Shore	GSOC	Bay Shore High School		15	Type A, Type C, Type D
839	Tue, 9/19/2023	H H Hills East	Commack HS	GTEN	Commack High School		20	Type A, Type C, Type D
840	Tue, 9/19/2023	Candlewood 8	Dawnwood 8	GSOC	Dawnwood Middle School		50	Type C, Type D
841	Tue, 9/19/2023	H H Hills West	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
842	Tue, 9/19/2023	H H Hills West	Harborfields	BSOC	Harborfields High School (TURF)		20	Type A, Type C, Type D
843	Tue, 9/19/2023	H H Hills East	North Babylon	FB	North Babylon High School		12	Type A, Type C, Type D
844	Tue, 9/19/2023	Half Hollow Hills	Smithtown	GXC	Sunken Meadow State Park	East - West	32	Type A, Type C, Type D
845	Tue, 9/19/2023	H H Hills East	Walt Whitman	FBGL	TOWN OF OYSTER BAY		26	Type A, Type C, Type D
846	Tue, 9/19/2023	H H Hills West	Walt Whitman	GTEN	Walt Whitman High School		25	Type A, Type C, Type D
847	Tue, 9/19/2023	H H Hills	Ward Melville	FBVB	Ward Melville High School		56	Type C, Type D
848	Tue, 9/19/2023	H H Hills	Ward Melville	FBVB	Ward Melville High School		56	Type C, Type D
849	Wed, 9/20/2023	H H Hills West	Huntington	FBGL	CRESCENT CLUB		45	Type A, Type C, Type D
850	Wed, 9/20/2023	Candlewood 7	Dawnwood 7	BSOC	Dawnwood Middle School		50	Type C, Type D
851	Wed, 9/20/2023	H H Hills West	H H Hills East	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
852	Wed, 9/20/2023	H H Hills East	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
853	Wed, 9/20/2023	H H Hills West	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
854	Wed, 9/20/2023	H H Hills West	Elwood/J Glenn	GTEN	Elwood John Glenn High School		16	Type A, Type C, Type D
855	Wed, 9/20/2023	West Hollow	Finley	BXC	Finley Middle School		22	Type A, Type C, Type D
856	Wed, 9/20/2023	West Hollow	Finley	GXC	Finley Middle School		22	Type A, Type C, Type D
857	Wed, 9/20/2023	West Hollow 8	Great Hollow 8	BSOC	Great Hollow Middle School		36	Type A, Type C, Type D
858	Wed, 9/20/2023	H H Hills East	Practice	FBGL	Heartland Golf Course		10	Type A, Type C, Type D
859	Wed, 9/20/2023	H H Hills West	Islip	FGVB	Islip High School	Rescheduled Da	20	Type A, Type C, Type D
860	Wed, 9/20/2023	H H Hills West	Islip	FGVB	Islip High School	rescheduled dat	20	Type A, Type C, Type D
861	Wed, 9/20/2023	Candlewood	Commack MS	FH	Mandracchia Sawmill Intermediate School		16	Type A, Type C, Type D
862	Wed, 9/20/2023	H H Hills East	Our Savior New Amer	FGVB	Our Savior New American School		46	Type C, Type D
863	Wed, 9/20/2023	H H Hills East	Northport	BSOC	Pulaski Road School		20	Type A, Type C, Type D
864	Wed, 9/20/2023	H H Hills	Newfield	FH	Selden Middle School (TURF)		50	Type C, Type D
865	Wed, 9/20/2023	H H Hills	Newfield	FH	Selden Middle School (TURF)		50	Type C, Type D
866	Wed, 9/20/2023	H H Hills East	Walt Whitman	FGVB	Walt Whitman High School (NORTH GYM)		25	Type A, Type C, Type D
867	Wed, 9/20/2023	H H Hills East	Ward Melville	GTEN	Ward Melville High School		56	Type C, Type D
868	Wed, 9/20/2023	H H Hills West	Westhampton	GSOC	Westhampton Beach Elementary School (HITE FIELD)		85	ROUTE TOO LONG
869	Thu, 9/21/2023	H H Hills West	Amityville	BSOC	Amityville Memorial High School		20	Type A, Type C, Type D
870	Thu, 9/21/2023	H H Hills	Commack HS	FGGM	Commack High School		20	Type A, Type C, Type D
871	Thu, 9/21/2023	H H Hills West	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
872	Thu, 9/21/2023	H H Hills West	Deer Park	FBGL	Heartland Golf Course		10	Type A, Type C, Type D
873	Thu, 9/21/2023	H H Hills East	Northport	GTEN	Northport High School		20	Type A, Type C, Type D
874	Thu, 9/21/2023	H H Hills West	Smithtown East	GTEN	Smithtown East High School		34	Type A, Type C, Type D
875	Thu, 9/21/2023	H H Hills East	Smithtown East	FGVB	Smithtown East High School (OLD GYM)		34	Type A, Type C, Type D
876	Thu, 9/21/2023	H H Hills East	Smithtown East	FGVB	Smithtown East High School (OLD GYM)		34	Type A, Type C, Type D
877	Thu, 9/21/2023	H H Hills East	Northport	FBGL	Sunken Meadow State Park		32	Type A, Type C, Type D
878	Thu, 9/21/2023	H H Hills West	Practice	FBGL	The Hamlet Golf and Country Club		20	Type A, Type C, Type D
879	Fri, 9/22/2023	H H Hills East	Practice	FBGL	Bethpage State Park Golf Course		26	Type A, Type C, Type D
880	Fri, 9/22/2023	H H Hills East	Centereach	FB	Centereach High School		44	Type A, Type C, Type D
881	Fri, 9/22/2023	H H Hills East	Connetquot	GSOC	Connetquot High School		30	Type A, Type C, Type D
882	Fri, 9/22/2023	H H Hills East	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
883	Fri, 9/22/2023	H H Hills West	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
884	Fri, 9/22/2023	H H Hills West	Harborfields	FGVB	Harborfields High School		20	Type A, Type C, Type D
885	Fri, 9/22/2023	West Hollow 8	Longwood 8	GSOC	Longwood Junior High School		56	Type C, Type D
886	Fri, 9/22/2023	H H Hills East	Newfield	FGVB	Newfield High School		48	Type C, Type D
887	Fri, 9/22/2023	H H Hills East	Newfield	FGVB	Newfield High School		48	Type C, Type D
888	Fri, 9/22/2023	H H Hills East	Copiague	BSOC	Tanner Park		24	Type A, Type C, Type D
889	Sat, 9/23/2023	H H Hills West	Sayville	FB	160 Greeley Avenue (TURF FIELD)		42	Type A, Type C, Type D
890	Sat, 9/23/2023	Half Hollow Hills	Suffolk Coaches	BXC	Sunken Meadow State Park	Suffolk Coaches	32	Type A, Type C, Type D
891	Tue, 9/26/2023	H H Hills West	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
892	Tue, 9/26/2023	H H Hills West	Miller Place	BSOC	Miller Place High School (UPPER TURF)		62	ROUTE TOO LONG
893	Tue, 9/26/2023	H H Hills East	Patchogue-Medford	GSOC	Patchogue Medford High School	Senior Night	48	Type C, Type D
894	Tue, 9/26/2023	Half Hollow Hills	Wm Floyd	BXC	Southaven County Park		76	ROUTE TOO LONG
895	Tue, 9/26/2023	H H Hills East	West Babylon	FGVB	West Babylon Senior High School		16	Type A, Type C, Type D
896	Tue, 9/26/2023	H H Hills East	West Babylon	FGVB	West Babylon Senior High School		16	Type A, Type C, Type D
897	Tue, 9/26/2023	Candlewood 8	West Hollow 8	GSOC	West Hollow Middle School		20	Type A, Type C, Type D
898	Wed, 9/27/2023	H H Hills East	Bay Shore	BSOC	Bay Shore High School		15	Type A, Type C, Type D
899	Wed, 9/27/2023	H H Hills East	Practice	FBGL	Bethpage State Park Golf Course		26	Type A, Type C, Type D
900	Wed, 9/27/2023	Candlewood 8	Lindenhurst 8	BSOC	Lindenhurst Middle School		16	Type A, Type C, Type D
901	Wed, 9/27/2023	West Hollow 7	Longwood 7	BSOC	Longwood Junior High School		56	Type C, Type D
902	Wed, 9/27/2023	West Hollow	Stimson	BXC	Stimson Middle School		22	Type A, Type C, Type D
903	Wed, 9/27/2023	West Hollow	Stimson	GXC	Stimson Middle School		22	Type A, Type C, Type D
904	Wed, 9/27/2023	H H Hills East	Walt Whitman	GTEN	Walt Whitman High School		25	Type A, Type C, Type D
905	Thu, 9/28/2023	H H Hills East	H H Hills West	FBGL	Cold Spring Golf Course		25	Type A, Type C, Type D
906	Thu, 9/28/2023	H H Hills	Copiague	FH	Copiague High School		16	Type A, Type C, Type D
907	Thu, 9/28/2023	H H Hills West	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
908	Thu, 9/28/2023	H H Hills West	Eastport/S Manor	GSOC	Eastport South Manor High School		66	ROUTE TOO LONG
909	Thu, 9/28/2023	H H Hills West	Islip	BSOC	Islip High School		20	Type A, Type C, Type D
910	Thu, 9/28/2023	Candlewood	Oldfield	FB	Oldfield Middle School		24	Type A, Type C, Type D
911	Thu, 9/28/2023	H H Hills East	Smithtown East	FBGL	Smithtown Landing Country Club		36	Type A, Type C, Type D
912	Thu, 9/28/2023	H H Hills East	Smithtown West	FBGL	Smithtown Landing Country Club		36	Type A, Type C, Type D
913	Thu, 9/28/2023	H H Hills West	Smithtown West	GTEN	Smithtown West High School		30	Type A, Type C, Type D
914	Thu, 9/28/2023	H H Hills West	Huntington	FBGL	Sunken Meadow State Park		32	Type A, Type C, Type D
915	Thu, 9/28/2023	H H Hills East	Copiague	GSOC	Tanner Park		24	Type A, Type C, Type D
916	Thu, 9/28/2023	H H Hills East	H H Hills West	FBGL	The Hamlet Golf and Country Club		20	Type A, Type C, Type D
917	Fri, 9/29/2023	H H Hills East	Practice	FBGL	Bethpage State Park Golf Course		26	Type A, Type C, Type D
918	Fri, 9/29/2023	H H Hills East	Commack HS	BSOC	Commack High School		20	Type A, Type C, Type D
919	Fri, 9/29/2023	H H Hills East	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
920	Fri, 9/29/2023	H H Hills West	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
921	Fri, 9/29/2023	H H Hills West	Harborfields	FGVB	Harborfields High School		20	Type A, Type C, Type D
922	Fri, 9/29/2023	Half Hollow Hills	St Anthonys	BXC	St. Anthony's High School	St. Anthony Invi	16	Type A, Type C, Type D
923	Fri, 9/29/2023	H H Hills East	Practice	FBGL	The Hamlet Golf and Country Club		20	Type A, Type C, Type D
924	Sat, 9/30/2023	H H Hills East	Bellport	FB	Bellport High School		58	Type C
925	Sat, 9/30/2023	H H Hills West	Centereach	GSOC	Dawnwood Middle School (TURF)		50	Type C, Type D
926	Sat, 9/30/2023	H H Hills West	Eastport/S Manor	FB	Eastport South Manor High School		66	ROUTE TOO LONG
927	Sat, 9/30/2023	Half Hollow Hills	Invitational	BXC	Firemens Field in Brookhaven	PAL Meet	40	Type A, Type C, Type D
928	Sat, 9/30/2023	H H Hills	Tournament	FBVB	Sachem North High School		40	Type A, Type C, Type D
929	Mon, 10/2/2023	H H Hills East	Practice	FBGL	Bethpage State Park Golf Course		26	Type A, Type C, Type D
930	Mon, 10/2/2023	H H Hills West	Practice	FBGL	Bethpage State Park Golf Course		26	Type A, Type C, Type D
931	Mon, 10/2/2023	West Hollow 8	Candlewood 8	BSOC	Candlewood Middle School		11	Type A, Type C, Type D
932	Mon, 10/2/2023	H H Hills East	Centereach	FGVB	Centereach High School		44	Type A, Type C, Type D

Athletics Schedule

#	DATE	SCHOOL	VS.	SPORT	DESTINATION		TOTAL MILES	BUS TYPE
933	Mon, 10/2/2023	H H Hills East	Centereach	FGVB	Centereach High School		44	Type A, Type C, Type D
934	Mon, 10/2/2023	H H Hills West	Comsewogue	GSOC	Comsewogue High School (TURF)		54	Type C, Type D
935	Mon, 10/2/2023	H H Hills East	Connetquot	BSOC	Connetquot High School		30	Type A, Type C, Type D
936	Mon, 10/2/2023	H H Hills West	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
937	Mon, 10/2/2023	West Hollow 7	Great Hollow 7	GSOC	Great Hollow Middle School		36	Type A, Type C, Type D
938	Mon, 10/2/2023	H H Hills West	Lindenhurst	GTEN	Lindenhurst High School		16	Type A, Type C, Type D
939	Mon, 10/2/2023	West Hollow	Northport MS	FB	Northport MIddle School		24	Type A, Type C, Type D
940	Mon, 10/2/2023	H H Hills East	Smithtown East	GTEN	Smithtown East High School		34	Type A, Type C, Type D
941	Mon, 10/2/2023	H H Hills East	Smithtown East	GSOC	Smithtown East High School (TURF FIELD)		34	Type A, Type C, Type D
942	Mon, 10/2/2023	H H Hills East	Huntington	FBGL	Sunken Meadow State Park	9/18 postponed	32	Type A, Type C, Type D
943	Mon, 10/2/2023	Candlewood 7	West Hollow 7	BSOC	West Hollow Middle School		20	Type A, Type C, Type D
944	Tue, 10/3/2023	H H Hills West	Sayville	BSOC	160 Greeley Avenue (TURF FIELD)		42	Type A, Type C, Type D
945	Tue, 10/3/2023	H H Hills East	Huntington	FBGL	CRESCENT CLUB		45	Type A, Type C, Type D
946	Tue, 10/3/2023	H H Hills East	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
947	Tue, 10/3/2023	H H Hills West	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
948	Tue, 10/3/2023	H H Hills East	Harborfields	GTEN	Harborfields High School		20	Type A, Type C, Type D
949	Tue, 10/3/2023	H H Hills West	Hauppauge	GTEN	Hauppauge High School		25	Type A, Type C, Type D
950	Tue, 10/3/2023	H H Hills East	Huntington	GTEN	Huntington High School		24	Type A, Type C, Type D
951	Tue, 10/3/2023	H H Hills	Lindenhurst	FH	Lindenhurst Middle School		16	Type A, Type C, Type D
952	Tue, 10/3/2023	H H Hills	Lindenhurst	FH	Lindenhurst Middle School		16	Type A, Type C, Type D
953	Tue, 10/3/2023	H H Hills	Northport	FBVB	Northport High School		20	Type A, Type C, Type D
954	Tue, 10/3/2023	H H Hills	Northport	FBVB	Northport High School		20	Type A, Type C, Type D
955	Tue, 10/3/2023	H H Hills	Smithtown	FGGM	Smithtown East High School		34	Type A, Type C, Type D
956	Tue, 10/3/2023	H H Hills West	Practice	FBGL	The Hamlet Golf and Country Club		20	Type A, Type C, Type D
957	Tue, 10/3/2023	Half Hollow Hills	Cheer Competition	GDC	West Babylon Senior High School		16	Type A, Type C, Type D
958	Wed, 10/4/2023	H H Hills West	Bay Shore	FGVB	Bay Shore High School (BSHS GYM)		15	Type A, Type C, Type D
959	Wed, 10/4/2023	H H Hills East	Practice	FBGL	Bethpage State Park Golf Course		26	Type A, Type C, Type D
960	Wed, 10/4/2023	H H Hills East	H H Hills West	FBGL	Dix Hills Park Golf Course	Tri Meet with Ha	12	Type A, Type C, Type D
961	Wed, 10/4/2023	Candlewood	East Northport	FH	East Northport Middle School		20	Type A, Type C, Type D
962	Wed, 10/4/2023	H H Hills East	Lindenhurst	BSOC	Lindenhurst Middle School		16	Type A, Type C, Type D
963	Wed, 10/4/2023	H H Hills West	Northport	GTEN	Northport High School		20	Type A, Type C, Type D
964	Wed, 10/4/2023	H H Hills East	Riverhead	GSOC	Pulaski Sports Complex		20	Type A, Type C, Type D
965	Wed, 10/4/2023	West Hollow 8	Stimson 8	GSOC	Stimson Middle School		22	Type A, Type C, Type D
966	Wed, 10/4/2023	H H Hills West	Practice	FBGL	The Hamlet Golf and Country Club		20	Type A, Type C, Type D
967	Thu, 10/5/2023	H H Hills West	Walt Whitman	FBGL	Cold Spring Golf Course (COLD SPRING CC)	Rescheduled	25	Type A, Type C, Type D
968	Thu, 10/5/2023	H H Hills East	Elwood/J Glenn	FBGL	Crab Meadow Golf Course		25	Type A, Type C, Type D
969	Thu, 10/5/2023	Candlewood	Practice	BXC	Dix Hills Park Golf Course		12	Type A, Type C, Type D
970	Thu, 10/5/2023	H H Hills East	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
971	Thu, 10/5/2023	H H Hills West	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
972	Thu, 10/5/2023	Candlewood 8	Great Hollow 8	BSOC	Great Hollow Middle School		36	Type A, Type C, Type D
973	Thu, 10/5/2023	H H Hills/Kings Park	Hauppauge/Smithtown	GSW	Hauppauge High School		25	Type A, Type C, Type D
974	Thu, 10/5/2023	H H Hills West	Practice	FBGL	Heartland Golf Course		10	Type A, Type C, Type D
975	Thu, 10/5/2023	H H Hills West	Kings Park	BSOC	Kings Park High School		28	Type A, Type C, Type D
976	Thu, 10/5/2023	H H Hills West	Kings Park	BSOC	Kings Park High School		28	Type A, Type C, Type D
977	Thu, 10/5/2023	H H Hills West	West Babylon	GSOC	West Babylon Senior High School (GRASS)		16	Type A, Type C, Type D
978	Thu, 10/5/2023	H H Hills	West Islip	FH	West Islip High School (STADIUM TURF)		20	Type A, Type C, Type D
979	Thu, 10/5/2023	H H Hills	West Islip	FH	West Islip High School (STADIUM TURF)		20	Type A, Type C, Type D
980	Fri, 10/6/2023	H H Hills West	Amityville	FGVB	Amityville Memorial High School		20	Type A, Type C, Type D
981	Fri, 10/6/2023	H H Hills West	Amityville	FGVB	Amityville Memorial High School		20	Type A, Type C, Type D
982	Fri, 10/6/2023	H H Hills East	Practice	FBGL	Bethpage State Park Golf Course		26	Type A, Type C, Type D
983	Fri, 10/6/2023	H H Hills West	Commack HS	FBGL	Crab Meadow Golf Course		25	Type A, Type C, Type D
984	Fri, 10/6/2023	H H Hills East	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
985	Fri, 10/6/2023	H H Hills West	Practice	FBGL	Dix Hills Park Golf Course		12	Type A, Type C, Type D
986	Fri, 10/6/2023	West Hollow	East Northport	FB	East Northport Middle School		20	Type A, Type C, Type D
987	Fri, 10/6/2023	H H Hills West	Miller Place	BSOC	Miller Place High School (UPPER TURF)		62	ROUTE TOO LONG
988	Fri, 10/6/2023	H H Hills East	North Babylon	FGVB	North Babylon High School		12	Type A, Type C, Type D
989	Fri, 10/6/2023	H H Hills East	North Babylon	FGVB	North Babylon High School		12	Type A, Type C, Type D
990	Fri, 10/6/2023	H H Hills East	North Babylon	GSOC	North Babylon High School		12	Type A, Type C, Type D
991	Fri, 10/6/2023	West Hollow 7	Stimson 7	BSOC	Stimson Middle School		22	Type A, Type C, Type D
992	Sat, 10/7/2023	H H Hills East	Deer Park	FB	Deer Park High School		6	Type A, Type C, Type D
993	Sat, 10/7/2023	H H Hills East	Elwood/J Glenn	BSOC	Elwood John Glenn High School		16	Type A, Type C, Type D
994	Sat, 10/7/2023	H H Hills West	Tournament	FGVB	Harborfields High School		20	Type A, Type C, Type D
995	Sat, 10/7/2023	H H Hills West	Kings Park	FB	Kings Park High School		28	Type A, Type C, Type D
996	Sat, 10/7/2023	H H Hills	Tournament	FBVB	Smithtown West High School		30	Type A, Type C, Type D
997	Sat, 10/7/2023	H H Hills East	Suffolk Officials	BXC	Sunken Meadow State Park	Suffolk Officials	32	Type A, Type C, Type D
998	Sat, 10/7/2023	Half Hollow Hills	Suffolk Officials	BXC	Sunken Meadow State Park		32	Type A, Type C, Type D
999	Sat, 10/7/2023	Half Hollow Hills	Suffolk Officials	GXC	Sunken Meadow State Park		32	Type A, Type C, Type D
1000	Mon, 10/9/2023	H H Hills East	Smithtown East	BSOC	Smithtown East High School (TURF FIELD)		34	Type A, Type C, Type D
1001	Tue, 10/10/2023	H H Hills West	H H Hills East	FBGL	Bethpage State Park Golf Course		26	Type A, Type C, Type D
1002	Tue, 10/10/2023	H H Hills West	East Islip	GSOC	East Islip High School		32	Type A, Type C, Type D
1003	Tue, 10/10/2023	West Hollow 8	Practice	BSOC	H H HILLS EAST HS		16	Type A, Type C, Type D
1004	Tue, 10/10/2023	West Hollow 7	Practice	BSOC	H H HILLS EAST HS		16	Type A, Type C, Type D
1005	Tue, 10/10/2023	Half Hollow Hills	Central Islip	BXC	Half Hollow Hills East High School		10	Type A, Type C, Type D
1006	Tue, 10/10/2023	Candlewood 8	Longwood 8	GSOC	Longwood Junior High School		56	Type C, Type D
1007	Tue, 10/10/2023	H H Hills	Sachem East	FH	Sachem East High School (TURF FIELD)	Senior Night	48	Type C, Type D
1008	Tue, 10/10/2023	H H Hills	Sachem East	FH	Sachem East High School (TURF FIELD)	Senior Night	48	Type C, Type D
1009	Tue, 10/10/2023	Candlewood	Stimson	BXC	Stimson Middle School		22	Type A, Type C, Type D
1010	Tue, 10/10/2023	Candlewood	Stimson	GXC	Stimson Middle School		22	Type A, Type C, Type D
1011	Tue, 10/10/2023	H H Hills West	Hauppauge	FBGL	Wind Watch Golf and County Club		28	Type A, Type C, Type D
1012	Tue, 10/10/2023	H H Hills East	Hauppauge	FBGL	Wind Watch Golf and County Club		28	Type A, Type C, Type D
1013	Tue, 10/10/2023	H H Hills West	Wyandanch	BSOC	Wyandanch Memorial High School		12	Type A, Type C, Type D
1014	Wed, 10/11/2023	West Hollow 8	Dawnwood 8	BSOC	Dawnwood Middle School		50	Type C, Type D
1015	Wed, 10/11/2023	West Hollow 7	Practice	GSOC	H H HILLS EAST HS		16	Type A, Type C, Type D
1016	Wed, 10/11/2023	H H Hills West	Harborfields	BSOC	Harborfields High School (GRASS)		20	Type A, Type C, Type D
1017	Wed, 10/11/2023	H H Hills East	Huntington	FGVB	Huntington High School		24	Type A, Type C, Type D
1018	Wed, 10/11/2023	H H Hills East	Huntington	FGVB	Huntington High School		24	Type A, Type C, Type D
1019	Wed, 10/11/2023	Candlewood 7	Longwood 7	BSOC	Longwood Junior High School		56	Type C, Type D
1020	Wed, 10/11/2023	H H Hills East	Newfield	BSOC	Newfield High School (GRASS)		48	Type C, Type D
1021	Wed, 10/11/2023	H H Hills West	West Islip	GSOC	West Islip High School (LIBRARY FIELD, GRASS)		20	Type A, Type C, Type D
1022	Wed, 10/11/2023	H H Hills East	William Floyd	GSOC	William Floyd High School (WOODHULL TURF FIELD)		70	ROUTE TOO LONG
1023	Thu, 10/12/2023	Half Hollow Hills	Cheer Competition	GDC	Riverhead High School		84	ROUTE TOO LONG
1024	Thu, 10/12/2023	Candlewood	Practice	BXC	Sunken Meadow State Park		32	Type A, Type C, Type D
1025	Thu, 10/12/2023	H H Hills West	Practice	FBGL	The Hamlet Golf and Country Club		20	Type A, Type C, Type D
1026	Thu, 10/12/2023	H H Hills	Kings Park	FGGM	William T. Rogers Middle School		32	Type A, Type C, Type D
1027	Fri, 10/13/2023	H H Hills East	Central Islip	GSOC	Central Islip High School (TURF FIELD)		24	Type A, Type C, Type D
1028	Fri, 10/13/2023	H H Hills East	Commack HS	FBGL	Crab Meadow Golf Course		25	Type A, Type C, Type D
1029	Fri, 10/13/2023	H H Hills West	Deer Park	GSOC	Deer Park High School		6	Type A, Type C, Type D
1030	Fri, 10/13/2023	H H Hills East	North Babylon	BSOC	North Babylon High School		12	Type A, Type C, Type D
1031	Fri, 10/13/2023	West Hollow	Northport MS	BXC	Northport MIddle School		24	Type A, Type C, Type D
1032	Fri, 10/13/2023	West Hollow	Northport MS	GXC	Northport MIddle School		24	Type A, Type C, Type D
1033	Fri, 10/13/2023	Candlewood	Oldfield	FH	Oldfield Middle School		24	Type A, Type C, Type D
1034	Fri, 10/13/2023	Candlewood 8	Oldfield 8	GSOC	Oldfield Middle School		24	Type A, Type C, Type D
1035	Fri, 10/13/2023	H H Hills West	Sayville	FGVB	Sayville High School		36	Type A, Type C, Type D
1036	Fri, 10/13/2023	H H Hills West	Sayville	FGVB	Sayville High School		36	Type A, Type C, Type D
1037	Fri, 10/13/2023	Half Hollow Hills	Suffolk Coaches	GXC	Sunken Meadow State Park		32	Type A, Type C, Type D
1038	Fri, 10/13/2023	H H Hills East	West Islip	FB	West Islip High School (STADIUM TURF)		20	Type A, Type C, Type D
1039	Sat, 10/14/2023	H H Hills West	Tournament	FGVB	Harborfields High School		20	Type A, Type C, Type D
1040	Sat, 10/14/2023	Half Hollow Hills	Manhattan	BXC	TBA (MANHATTAN COLLEGE)	Manhattan Colle	85	ROUTE TOO LONG
1041	Mon, 10/16/2023	H H Hills West	Amityville	BSOC	Amityville Memorial High School		20	Type A, Type C, Type D
1042	Mon, 10/16/2023	West Hollow 7	Lindenhurst 7	BSOC	Lindenhurst Middle School		16	Type A, Type C, Type D
1043	Mon, 10/16/2023	Candlewood 7	Oldfield 7	BSOC	Oldfield Middle School		24	Type A, Type C, Type D
1044	Mon, 10/16/2023	H H Hills East	Newfield	GSOC	Selden Middle School (TURF)		50	Type C, Type D
1045	Mon, 10/16/2023	H H Hills West	Smithtown West	GTEN	Smithtown West High School		30	Type A, Type C, Type D
1046	Mon, 10/16/2023	H H Hills West	Smithtown West	GSOC	Smithtown West High School (TURF FIELD)		30	Type A, Type C, Type D
1047	Tue, 10/17/2023	H H Hills	Bay Shore	FBVB	Bay Shore High School		15	Type A, Type C, Type D
1048	Tue, 10/17/2023	H H Hills	Bay Shore	FBVB	Bay Shore High School		15	Type A, Type C, Type D
1049	Tue, 10/17/2023	Half Hollow Hills	Longwood	BXC	Half Hollow Hills East High School		10	Type A, Type C, Type D

Athletics Schedule

#	DATE	SCHOOL	VS.	SPORT	DESTINATION		TOTAL MILES	BUS TYPE
1050	Tue, 10/17/2023	West Hollow 8	Lindenhurst 8	GSOC	Lindenhurst Middle School		16	Type A, Type C, Type D
1051	Tue, 10/17/2023	H H Hills East	Northport	BSOC	Northport High School		20	Type A, Type C, Type D
1052	Tue, 10/17/2023	Half Hollow Hills	Cheer Competition	GDC	Smithtown West High School		30	Type A, Type C, Type D
1053	Tue, 10/17/2023	H H Hills West	Playoffs	FBGL	Spring Lake Golf Club		60	Type C
1054	Tue, 10/17/2023	Half Hollow Hills	Middle Country	GXC	Sunken Meadow State Park		32	Type A, Type C, Type D
1055	Wed, 10/18/2023	Candlewood	Finley	FB	Huntington High School (STADIUM TURF)	CHANGE OF S	24	Type A, Type C, Type D
1056	Wed, 10/18/2023	West Hollow 7	Oldfield 7	GSOC	Oldfield Middle School		24	Type A, Type C, Type D
1057	Wed, 10/18/2023	H H Hills East	Ward Melville	GSOC	Ward Melville High School		56	Type C, Type D
1058	Wed, 10/18/2023	H H Hills West	Wyandanch	FGVB	Wyandanch Memorial High School		12	Type A, Type C, Type D
1059	Thu, 10/19/2023	H H Hills/Kings Park	William Floyd	GSW	BROOKHAVEN AQUATIC CENTER	Senior Game	50	Type C, Type D
1060	Thu, 10/19/2023	Half Hollow Hills	Tom Knipfing Invit.	GXC	Firemens Field in Brookhaven		45	Type A, Type C, Type D
1061	Thu, 10/19/2023	West Hollow 8	Oldfield 8	BSOC	Oldfield Middle School		24	Type A, Type C, Type D
1062	Thu, 10/19/2023	H H Hills West	Smithtown East	FGVB	Smithtown East High School		34	Type A, Type C, Type D
1063	Thu, 10/19/2023	Candlewood 8	Stimson 8	BSOC	Stimson Middle School		22	Type A, Type C, Type D
1064	Thu, 10/19/2023	Candlewood	Invitational	BXC	Sunken Meadow State Park		32	Type A, Type C, Type D
1065	Thu, 10/19/2023	West Hollow	Invitational	BXC	Sunken Meadow State Park		32	Type A, Type C, Type D
1066	Thu, 10/19/2023	Candlewood	Invitational	GXC	Sunken Meadow State Park		32	Type A, Type C, Type D
1067	Thu, 10/19/2023	West Hollow	Invitational	GXC	Sunken Meadow State Park		32	Type A, Type C, Type D
1068	Fri, 10/20/2023	H H Hills West	Commack HS	FGVB	Commack High School		20	Type A, Type C, Type D
1069	Fri, 10/20/2023	West Hollow 8	Great Hollow 8	GSOC	Great Hollow Middle School		36	Type A, Type C, Type D
1070	Fri, 10/20/2023	H H Hills	Sachem East	FBVB	Sachem East High School		48	Type C, Type D
1071	Fri, 10/20/2023	H H Hills West	Smithtown West	FB	Smithtown West High School		30	Type A, Type C, Type D
1072	Sat, 10/21/2023	H H Hills East	Huntington	FB	Huntington High School		24	Type A, Type C, Type D
1073	Mon, 10/23/2023	H H Hills West	Eastport/S Manor	GSOC	Eastport South Manor High School	Playoffs	66	ROUTE TOO LONG
1074	Mon, 10/23/2023	H H Hills West	Playoffs	FBGL	Spring Lake Golf Club		60	Type C
1075	Tue, 10/24/2023	Candlewood 8	Dawnwood 8	BSOC	Dawnwood Middle School		50	Type C, Type D
1076	Tue, 10/24/2023	West Hollow 7	Great Hollow 7	BSOC	Great Hollow Middle School		36	Type A, Type C, Type D
1077	Tue, 10/24/2023	West Hollow 8	Great Hollow 8	GSOC	Great Hollow Middle School		36	Type A, Type C, Type D
1078	Tue, 10/24/2023	H H Hills/Kings Park	Diving Championships	GSW	Hauppauge High School		25	Type A, Type C, Type D
1079	Tue, 10/24/2023	Half Hollow Hills	Division	BXC	Sunken Meadow State Park		32	Type A, Type C, Type D
1080	Tue, 10/24/2023	Half Hollow Hills	Division	GXC	Sunken Meadow State Park		32	Type A, Type C, Type D
1081	Wed, 10/25/2023	H H Hills West	Harborfields	BSOC	Harborfields High School		20	Type A, Type C, Type D
1082	Wed, 10/25/2023	H H Hills/Kings Park	Playoffs	GSW	Hauppauge High School		25	Type A, Type C, Type D
1083	Wed, 10/25/2023	Half Hollow Hills	Cheer Competition	GDC	Newfield High School		48	Type C, Type D
1084	Wed, 10/25/2023	Candlewood 8	Oldfield 8	BSOC	Oldfield Middle School	Rescheduled	24	Type A, Type C, Type D
1085	Thu, 10/26/2023	Candlewood 8	Lindenhurst 8	GSOC	Lindenhurst Middle School (TURF FIELD)		16	Type A, Type C, Type D
1086	Thu, 10/26/2023	Candlewood	Northport MS	FH	Northport MIddle School		24	Type A, Type C, Type D
1087	Thu, 10/26/2023	West Hollow	Oldfield	FB	Oldfield Middle School		24	Type A, Type C, Type D
1088	Thu, 10/26/2023	H H Hills West	West Islip	GSOC	West Islip High School	Playoffs	20	Type A, Type C, Type D
1089	Fri, 10/27/2023	Candlewood	Finley	BXC	Finley Middle School		22	Type A, Type C, Type D
1090	Fri, 10/27/2023	Candlewood	Finley	GXC	Finley Middle School		22	Type A, Type C, Type D
1091	Fri, 10/27/2023	Candlewood 7	Lindenhurst 7	BSOC	Lindenhurst Middle School		16	Type A, Type C, Type D
1092	Fri, 10/27/2023	West Hollow 8	Longwood 8	BSOC	Longwood Junior High School		56	Type C, Type D
1093	Fri, 10/27/2023	West Hollow 7	Longwood 7	GSOC	Longwood Junior High School		56	Type C, Type D
1094	Fri, 10/27/2023	Half Hollow Hills	Frosh/Soph Meet	BXC	Sunken Meadow State Park		32	Type A, Type C, Type D
1095	Fri, 10/27/2023	H H Hills West	Westhampton	FB	Westhampton Beach High School (TURF)		85	ROUTE TOO LONG
1096	Sat, 10/28/2023	H H Hills East	Northport	FB	Northport High School		20	Type A, Type C, Type D
1097	Mon, 10/30/2023	West Hollow 7	Candlewood 7	BSOC	Candlewood Middle School		11	Type A, Type C, Type D
1098	Mon, 10/30/2023	West Hollow 8	Candlewood 8	GSOC	Candlewood Middle School		11	Type A, Type C, Type D
1099	Mon, 10/30/2023	Candlewood 8	West Hollow 8	BSOC	H H HILLS EAST HS		16	Type A, Type C, Type D
1100	Mon, 10/30/2023	Candlewood	West Hollow	BXC	H H HILLS EAST HS		16	Type A, Type C, Type D
1101	Mon, 10/30/2023	Candlewood	West Hollow	GXC	H H HILLS EAST HS		16	Type A, Type C, Type D
1102	Mon, 10/30/2023	Candlewood	West Hollow	FB	H H HILLS WEST HS		16	Type A, Type C, Type D
1103	Mon, 10/30/2023	H H Hills West	Islip	FBGL				Type A, Type C, Type D
1104	Tue, 10/31/2023	H H Hills West	Smithtown West	GSOC	East Islip Middle School (EAST ISLIP MS)	Playoffs	32	Type A, Type C, Type D
1105	Tue, 10/31/2023	H H Hills East	Northport	FBGL				Type A, Type C, Type D
1106	Fri, 11/3/2023	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
1107	Fri, 11/3/2023	Half Hollow Hills	State Qual Meet	BXC	Sunken Meadow State Park		32	Type A, Type C, Type D
1108	Fri, 11/3/2023	Half Hollow Hills	Championships	GXC	Sunken Meadow State Park		32	Type A, Type C, Type D
1109	Fri, 11/10/2023	H H Hills East	West Islip	FB	West Islip High School		20	Type A, Type C, Type D
1110	Sat, 11/11/2023	H H Hills West	Sayville	FB	Sayville High School (GRASS FIELD)		36	Type A, Type C, Type D
1111	Sat, 11/11/2023	Half Hollow Hills	Championships	BXC	TBA (VERNON-VERONA)		180	ROUTE TOO LONG
1112	Mon, 11/13/2023	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
1113	Tue, 11/14/2023	Half Hollow Hills	Practice	BBWL	Bolmor 110		15	Type A, Type C, Type D
1114	Wed, 11/15/2023	Half Hollow Hills	Practice	BBWL	Bolmor 110		15	Type A, Type C, Type D
1115	Thu, 11/16/2023	Half Hollow Hills	Practice	BBWL	Bowlmor		15	Type A, Type C, Type D
1116	Fri, 11/17/2023	West Hollow 7	Stimson 7	BBKB	Stimson Middle School		22	Type A, Type C, Type D
1117	Mon, 11/20/2023	Half Hollow Hills	Practice	BBWL	Bolmor 110		15	Type A, Type C, Type D
1118	Mon, 11/20/2023	Candlewood 8	Port Jefferson 8	BBKB	Jefferson School (SPRING STREET GYM)		24	Type A, Type C, Type D
1119	Mon, 11/20/2023	West Hollow 7	Nesaquake 7	WGVB	Nesaquake MIddle School		33	Type A, Type C, Type D
1120	Mon, 11/20/2023	H H Hills East	Multi Team Scrimmage	GBKB	Northport High School		20	Type A, Type C, Type D
1121	Tue, 11/21/2023	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
1122	Tue, 11/21/2023	H H Hills West	Center Moriches	BBKB	Center Moriches High School (CMHS SOUTH GYM)		66	ROUTE TOO LONG
1123	Tue, 11/21/2023	Candlewood 7	Oldfield 7	BBKB	Oldfield Middle School		24	Type A, Type C, Type D
1124	Wed, 11/22/2023	H H Hills East	Commack HS	BBKB	Commack High School		20	Type A, Type C, Type D
1125	Wed, 11/22/2023	H H Hills East	Commack HS	BBKB	Commack High School		20	Type A, Type C, Type D
1126	Sat, 11/25/2023	H H Hills East	Kellenberg	GBKB	Kellenberg Memorial High School		44	Type A, Type C, Type D
1127	Sat, 11/25/2023	H H Hills East	Kellenberg	GBKB	Kellenberg Memorial High School		44	Type A, Type C, Type D
1128	Mon, 11/27/2023	Half Hollow Hills	Practice	BBWL	Bolmor 110		15	Type A, Type C, Type D
1129	Mon, 11/27/2023	H H Hills West	Deer Park	BBKB	Deer Park High School		6	Type A, Type C, Type D
1130	Mon, 11/27/2023	H H Hills East	North Babylon	BBKB	North Babylon High School (WEST GYM)		12	Type A, Type C, Type D
1131	Mon, 11/27/2023	Candlewood 7	Stimson 7	BBKB	Stimson Middle School		22	Type A, Type C, Type D
1132	Mon, 11/27/2023	West Hollow 8	Lindenhurst 8	BBKB	William Rall Elementary School		20	Type A, Type C, Type D
1133	Tue, 11/28/2023	Half Hollow Hills	West Babylon	BBWL	AMF Babylon Lanes		12	Type A, Type C, Type D
1134	Tue, 11/28/2023	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
1135	Tue, 11/28/2023	West Hollow 8	Oldfield 8	BBKB	Oldfield Middle School		24	Type A, Type C, Type D
1136	Tue, 11/28/2023	H H Hills East	Sachem East	GBKB	Sachem East High School		48	Type C, Type D
1137	Tue, 11/28/2023	H H Hills East	Sachem East	GBKB	Sachem East High School		48	Type C, Type D
1138	Tue, 11/28/2023	H H Hills/Kings Park	East Hampton/BH/Pier	WBSW	YMCA East Hampton RECenter (YMCA)		140	ROUTE TOO LONG
1139	Wed, 11/29/2023	Half Hollow Hills	Practice	BBWL	Bolmor 110		15	Type A, Type C, Type D
1140	Wed, 11/29/2023	Candlewood 7	Great Hollow 7	BBKB	Great Hollow Middle School		36	Type A, Type C, Type D
1141	Wed, 11/29/2023	West Hollow 8	Nesaquake 8	WGVB	Nesaquake MIddle School		33	Type A, Type C, Type D
1142	Thu, 11/30/2023	H H Hills	Sayville/BPT/Cont	BFEN	160 Greeley Avenue (OLD JR. HIGH GYM)		42	Type A, Type C, Type D
1143	Thu, 11/30/2023	H H Hills	Sayville/Bpt/Cont	GFEN	160 Greeley Avenue (OLD JR. HIGH GYM)		42	Type A, Type C, Type D
1144	Thu, 11/30/2023	HH Hills	Practice	GBWL	Bowlmor		15	Type A, Type C, Type D
1145	Thu, 11/30/2023	Candlewood 8	Great Hollow 8	WGVB	Great Hollow Middle School		36	Type A, Type C, Type D
1146	Fri, 12/1/2023	West Hollow 8	Port Jefferson 8	BBKB	Jefferson School (SPRING STREET GYM)		24	Type A, Type C, Type D
1147	**hu, 12/1/2022**	**Half Hollow Hills**	**Practice**	**BBWL**	**Bowlmor**		15	Type A, Type C, Type D
1148	Total Contests (Non-Scrimmage) :							Type A, Type C, Type D
1149	Total League :							Type A, Type C, Type D
1150	Total NL/MNL/I/T :							Type A, Type C, Type D

Information Received from the District (Field Trips)

Field Trip Schedule

School	Destination	Students	Adults	Vehicles	Miles One Way	Total Miles	Bus Type
Half Hollow Hills HS East	1220 Fifth Ave at 103rd St.	24	3	1	42	84	ROUTE TOO LONG
Half Hollow Hills HS East	Javits Center in NYC	11	1	1	37	75	ROUTE TOO LONG
Half Hollow Hills HS East	131 Sachem HS North	55	2	2	30	120	ROUTE TOO LONG
Half Hollow Hills HS East	Adelphi University	10	2	1	20	40	Type A, Type C, Type D
Half Hollow Hills HS West	Adelphi University	31	2	1	20	40	Type A, Type C, Type D
Signal Hill Elementary School	Adventure Land	102	8	2	6	24	Type A, Type C, Type D
West Hollow Middle School	Adventure Land	375	35	7	5	70	ROUTE TOO LONG
Half Hollow Hills HS West	Adventure Park	128	10	3	4.5	27	Type A, Type C, Type D
Half Hollow Hills HS East	Adventure Park 75-colonial Springs Road, Wheatley Heights, NY 11798	60	2	2	5	20	Type A, Type C, Type D
Paumanok Elementary School	Adventureland	103	10	2	6	24	Type A, Type C, Type D
Candlewood Middle School	Adventureland	215	35	5	7	70	ROUTE TOO LONG
Otsego Elementary School	Adventureland Park	101	15	3	7	42	Type A, Type C, Type D
Half Hollow Hills HS East	American Museum of Natural History	21	4	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS East	American Museum of Natural History	18	7	1	40	80	ROUTE TOO LONG
West Hollow Middle School	Argyle Theater	50	25	2	10	40	Type A, Type C, Type D
Half Hollow Hills HS West	Argyle Theater Babylon	40	45	2	10	40	Type A, Type C, Type D
Half Hollow Hills HS East	Argyle Theatre	23	27	2	10	40	Type A, Type C, Type D
Half Hollow Hills HS East	Argyle Theatre	23	27	0	10	40	Type A, Type C, Type D
Half Hollow Hills HS East	Art League of Long Island	17	2	1	2.5	5	Type A, Type C, Type D
Half Hollow Hills HS West	Atria Assisted Living	8	1	1	5	10

Field Trip Schedule

School	Destination	Students	Adults	Vehicles	Miles One Way	Total Miles	Bus Type
Half Hollow Hills HS West	Cinema Arts Theatre	30	2	1	10	20	Type A, Type C, Type D
Half Hollow Hills HS East	Citifield	45	4	2	35	140	ROUTE TOO LONG
Half Hollow Hills HS East	Citifield	45	4	2	35	140	ROUTE TOO LONG
Half Hollow Hills HS East	City Hall Park: Brooklyn Bridge	39	5	1	42	85	ROUTE TOO LONG
Paumanok Elementary School	Cold Spring Harbor Fish Hatchery & Aquarium	50	21	2	12	48	Type C, Type D
Paumanok Elementary School	Cold Spring Harbor Fish Hatchery & Aquarium	42	10	1	12	24	Type A, Type C, Type D
Vanderbilt Elementary School	Coleman Country Day Camp	140	25	3	25	150	ROUTE TOO LONG
Half Hollow Hills HS East	Columbia University	10	1	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS West	Columbia University	25	3	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS East	Commack HS	10	1	1	10	20	Type A, Type C, Type D
Candlewood Middle School	Commack Middle School	25	3	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS West	Commack Middle School	10	2	1	6	12	Type A, Type C, Type D
West Hollow Middle School	Commerce Plaza	44	4	1	20	40	Type A, Type C, Type D
West Hollow Middle School	Commerce Plaza	42	4	1	20	40	Type A, Type C, Type D
West Hollow Middle School	Commerce Plaza	42	4	1	20	40	Type A, Type C, Type D
West Hollow Middle School	Commerce Plaza	46	2	1	20	40	Type A, Type C, Type D
West Hollow Middle School	Commerce Plaza	45	5	1	20	40	Type A, Type C, Type D
West Hollow Middle School	Commerce Plaza	40	4	1	20	40	Type A, Type C, Type D
West Hollow Middle School	Commerce Plaza	40	4	1	20	40	Type A, Type C, Type D
West Hollow Middle School	Commerce Plaza	45	4	1	20	40	Type A, Type C, Type D
Candlewood Middle School	Commerce Plaza	40	2	1	20	40	Type A, Type C, Type D
Candlewood Middle School	Commerce Plaza	33	2	1	20	40	Type A, Type C, Type D
Candlewood Middle School	Commerce Plaza	31	2	1	20	40	Type A, Type C, Type D
Candlewood Middle School	Commerce Plaza Massapequa	36	2	1	20	40	Type A, Type C, Type D
Candlewood Middle School	Commerce Plaza Massapequa	36	2	1	20	40	Type A, Type C, Type D
Candlewood Middle School	Commerce Plaza Massapequa	36	2	1	20	40	Type A, Type C, Type D
Vanderbilt Elementary School	Conklin Farmhouse and Barn	46	3	1	10	20	Type A, Type C, Type D
Vanderbilt Elementary School	Conklin Farmhouse and Barn	44	3	1	10	20	Type A, Type C, Type D
Vanderbilt Elementary School	Conklin Farmhouse and Barn	22	2	1	10	20	Type A, Type C, Type D
Half Hollow Hills HS East	Connetquot High School	15	1	1	20	20	Type A, Type C, Type D
Half Hollow Hills HS East	Connetquot High School	20	2	1	20	40	Type A, Type C, Type D
Half Hollow Hills HS West	Connetquot High School	15	2	1	20	40	Type A, Type C, Type D
Half Hollow Hills HS East	Cornell Tech NYC	6	1	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS East	Cornell Tech NYC	12	2	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS East	Cornell Tech NYC	12	2	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS East	Costco Wholesale	15	3	1	10.2	22	Type A, Type C, Type D
Half Hollow Hills HS West	Crab Meadow Beach	12	1	1	15	30	Type A, Type C, Type D
Otsego Elementary School	Cradle of Aviation Museum	21	1	1	25	50	Type C, Type D
Half Hollow Hills HS East	Crest Hollow Country Club	8	1	1	10	20	Type A, Type C, Type D
Half Hollow Hills HS West	Deer Park Tanger Outlet	40	45	2	5	20	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center	21	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center	23	2	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center	15	9	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center	21	1	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center	9	4	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center	21	3	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	12	5	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	23	6	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	23	1	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	21	3	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	20	4	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	21	3	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	21	2	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	23	2	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	21	1	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	22	1	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	23	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	7	7	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	21	3	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	25	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	25	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	24	1	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	23	4	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	19	1	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	23	4	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	22	1	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	20	2	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	8	9	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	8	8	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	21	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	23	2	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	22	1	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	20	1	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	23	1	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	20	1	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	10	3	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	21	2	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	22	2	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	21	2	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	22	2	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	6	7	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center @ FGAC	23	3	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	22	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	23	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	23	1	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	21	1	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	26	4	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	22	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	20	1	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	22	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	25	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	25	4	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	23	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	24	4	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	26	7	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	25	1	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	22	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	20	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	24	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	26	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Discovery Center @ FGAC	12	5	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	24	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	9	10	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	23	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	22	2	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	24	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	23	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	23	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	23	2	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	22	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	22	2	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	24	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	24	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	23	2	1	5	10	Type A, Type C, Type D

Field Trip Schedule

School	Destination	Students	Adults	Vehicles	Miles One Way	Total Miles	Bus Type
Otsego Elementary School	Discovery Center @ FGAC	15	5	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	19	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	13	6	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	19	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	19	2	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	19	2	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	21	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	20	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	21	2	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Discovery Center @ FGAC	11	5	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	21	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	21	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	21	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	22	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	18	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	18	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	12	6	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	17	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	18	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	21	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	22	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	22	2	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	20	2	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	21	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	21	2	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	20	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	20	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	13	9	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	19	2	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	20	2	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Discovery Center @ FGAC	21	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	22	4	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	22	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	22	1	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	22	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	22	1	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	20	5	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	20	5	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	20	5	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	20	5	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	20	5	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	21	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	22	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	22	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	21	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	20	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	21	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	21	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Discovery Center @ FGAC	22	2	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Discovery Center Central Administration Office	22	3	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS East	Dix Hills Diner	8	9	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Dix Hills Diner	8	10	1	6	12	Type A, Type C, Type D
Candlewood Middle School	Dix Hills Diner	23	23	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	DNA Learning Center	100	11	2	12	24	Type A, Type C, Type D
Half Hollow Hills HS West	Dolan DNA Learning Center	45	2	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS West	East Islip Lanes	40	45	2	18	36	Type A, Type C, Type D
West Hollow Middle School	East Syracuse/ Carrier Circle Springhill Suites Inn and East Syracuse - Minoa High School	15	2	1	350	700	ROUTE TOO LONG
Signal Hill Elementary School	Elija Farm	42	6	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Elija Farm	44	15	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Elija Farm	44	10	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Elija Farm	42	10	1	5	10	Type A, Type C, Type D
West Hollow Middle School	Elizabeth Morton Refuge and Studio of Artist Dan Welden	19	3	1	65	130	ROUTE TOO LONG
West Hollow Middle School	Elizabeth Morton Refuge and Studio of Artist Dan Welden	19	3	1	65	130	ROUTE TOO LONG
Half Hollow Hills HS East	Elwood High School	10	1	1	8	16	Type A, Type C, Type D
Half Hollow Hills HS West	Elwood High School (John Glenn HS)	12	1	1	8	16	Type A, Type C, Type D
Half Hollow Hills HS East	Farmingdale High School	1	1	1	12	24	Type A, Type C, Type D
Half Hollow Hills HS East	Farmingdale High School	30	3	1	12	24	Type A, Type C, Type D
Half Hollow Hills HS East	Feinstein Institutes for Medical Research	4	1	1	22	44	Type A, Type C, Type D
Half Hollow Hills HS West	Five Below	9	12	1	5	10	Type A, Type C, Type D
West Hollow Middle School	Fran Greenspan Administration Building	49	6	2	5	20	Type A, Type C, Type D
West Hollow Middle School	Fran Greenspan Building (CO)	17	2	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS West	Fran Greenspan Building (CO)	10	0	1	5	10	Type A, Type C, Type D
West Hollow Middle School	Fran Greenspan Building (CO)	10	0	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS West	Fran Greenspan Building (CO)	10	0	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS West	Fran Greenspan Building (CO)	100	8	2	5	10	Type A, Type C, Type D
Half Hollow Hills HS West	Fran Greenspan Building (CO)	0	0	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS West	Fran Greenspan Building (CO)	0	0	1	5	10	Type A, Type C, Type D
Candlewood Middle School	Fran Greenspan Building (CO)	20	2	1	5	10	Type A, Type C, Type D
Candlewood Middle School	Fran Greenspan Building (CO)	6	0	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS East	Fran Greenspan Building (CO)	12	0	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS East	Fran Greenspan Building (CO)	12	0	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Fran Greenspan Building (CO)	25	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Fran Greenspan Building (CO)	22	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Fran Greenspan Building (CO)	21	1	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Fran Greenspan Building (CO)	22	3	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Fran Greenspan Building (CO)	25	2	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Fran Greenspan Building (CO)	19	4	1	5	10	Type A, Type C, Type D
Candlewood Middle School	Fran Greenspan Center	47	5	2	5	20	Type A, Type C, Type D
Half Hollow Hills HS East	George R. Brown Convention Center (NO TRANS)	1	1				Type A, Type C, Type D
Half Hollow Hills HS West	Gurwin Assisted Living	10	1	1	8	16	Type A, Type C, Type D
Half Hollow Hills HS West	Gurwin Assisted Living	10	1	1	8	16	Type A, Type C, Type D
Half Hollow Hills HS West	Gurwin Assisted Living	10	1	1	8	16	Type A, Type C, Type D
Half Hollow Hills HS East	Habitat for Humanity	20	1	1	50	100	ROUTE TOO LONG
Vanderbilt Elementary School	Half Hollow Hills Community Library	25	1	1	2	4	Type A, Type C, Type D
Vanderbilt Elementary School	Half Hollow Hills Community Library	50	2	1	2	8	Type A, Type C, Type D
Half Hollow Hills HS West	Half Hollow Hills HS East	40	1	1	2	4	Type A, Type C, Type D
Half Hollow Hills HS West	Half Hollow Hills HS East	65	1	2	2	8	Type A, Type C, Type D
Half Hollow Hills HS East	Half Hollow Hills HS West	39	1	1	2	4	Type A, Type C, Type D
Otsego Elementary School	Half Hollow Hills Public Library	44	6	1	2	4	Type A, Type C, Type D
Otsego Elementary School	Half Hollow Hills Public Library	22	3	1	2	4	Type A, Type C, Type D
Otsego Elementary School	Half Hollow Hills Public Library	20	14	1	2	4	Type A, Type C, Type D
Otsego Elementary School	Half Hollow Hills Public Library	21	4	1	2	4	Type A, Type C, Type D
Otsego Elementary School	Half Hollow Hills Public Library	24	1	1	2	4	Type A, Type C, Type D
Otsego Elementary School	Half Hollow Hills Public Library	24	1	1	2	4	Type A, Type C, Type D
Otsego Elementary School	Half Hollow Hills Public Library	19	2	1	2	4	Type A, Type C, Type D
Otsego Elementary School	Half Hollow Hills Public Library	19	1	1	2	4	Type A, Type C, Type D
Otsego Elementary School	Half Hollow Hills Public Library	19	1	1	2	4	Type A, Type C, Type D
Otsego Elementary School	Half Hollow Hills Public Library	24	1	1	2	4	Type A, Type C, Type D
Otsego Elementary School	Half Hollow Hills Public Library	44	3	1	2	4	Type A, Type C, Type D
Otsego Elementary School	Half Hollow Hills Public Library	15	7	1	2	4	Type A, Type C, Type D
Otsego Elementary School	Half Hollow Hills Public Library	12	6	1	2	4	Type A, Type C, Type D
Otsego Elementary School	Half Hollow Hills Public Library	11	10	1	2	4	Type A, Type C, Type D
Otsego Elementary School	Half Hollow Hills Public Library	46	4	1	2	4	Type A, Type C, Type D

Field Trip Schedule

School	Destination	Students	Adults	Vehicles	Miles One Way	Total Miles	Bus Type
Otsego Elementary School	Half Hollow Hills Public Library	46	2	1	2	4	Type A, Type C, Type D
Otsego Elementary School	Half Hollow Hills Public Library	39	6	1	2	4	Type A, Type C, Type D
Vanderbilt Elementary School	Half Hollow Hills Public Library	51	4	1	2	4	Type A, Type C, Type D
Signal Hill Elementary School	Half Hollow Hills Public Library	44	3	1	2	4	Type A, Type C, Type D
Signal Hill Elementary School	Half Hollow Hills Public Library	42	3	1	2	4	Type A, Type C, Type D
Half Hollow Hills HS East	Hamlet Country Club of Commack	150	6	4	8	64	ROUTE TOO LONG
Half Hollow Hills HS West	Hauppauge H.S	20	2	1	14	28	Type A, Type C, Type D
Half Hollow Hills HS West	Hauppauge High School	40	4	2	14	56	Type C, Type D
Half Hollow Hills HS West	Hauppauge High School	20	2	1	14	28	Type A, Type C, Type D
Half Hollow Hills HS East	Hauppauge High School	45	3	2	14	56	Type C, Type D
Half Hollow Hills HS East	Hauppauge High School	10	1	1	14	28	Type A, Type C, Type D
Half Hollow Hills HS East	Hauppauge High School	10	1	1	14	28	Type A, Type C, Type D
Half Hollow Hills HS East	Hauppauge Landfill	30	3	1	15	30	Type A, Type C, Type D
Half Hollow Hills HS West	Heckscher Park	40	37	2	8	32	Type A, Type C, Type D
Half Hollow Hills HS East	Herricks High School	15	1	1	20	40	Type A, Type C, Type D
Half Hollow Hills HS East	Herricks High School	15	1	0	20	40	Type A, Type C, Type D
Half Hollow Hills HS East	Hershey Park, PA	150	15	4	210	1680	ROUTE TOO LONG
Paumanok Elementary School	HHH Community Library	46	11	1	3	6	Type A, Type C, Type D
Paumanok Elementary School	HHH Community Library	41	6	1	3	6	Type A, Type C, Type D
Candlewood Middle School	HHH Community Library and then to Mario's Pizzeria in Commack.	20	6	1	3	6	Type A, Type C, Type D
Candlewood Middle School	HHH High School East	28	1	1	3	6	Type A, Type C, Type D
Candlewood Middle School	HHH High School East	22	1	1	3	6	Type A, Type C, Type D
Candlewood Middle School	HHH High School East	20	1	1	3	6	Type A, Type C, Type D
Candlewood Middle School	HHH High School East	28	1	1	3	6	Type A, Type C, Type D
Paumanok Elementary School	HHH High School East	20	4	1	3	6	Type A, Type C, Type D
Vanderbilt Elementary School	HHH High School East	21	2	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS West	HHH High School East	22	1	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS West	HHH High School East	22	1	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS West	HHH High School East	22	1	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS West	HHH High School East	22	1	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS West	HHH High School East	22	1	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS West	HHH High School East	22	1	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS West	HHH High School East	22	1	1	3	6	Type A, Type C, Type D
West Hollow Middle School	HHH High School East	28	1	1	3	6	Type A, Type C, Type D
West Hollow Middle School	HHH High School East	28	1	1	3	6	Type A, Type C, Type D
West Hollow Middle School	HHH High School East	28	1	1	3	6	Type A, Type C, Type D
West Hollow Middle School	HHH High School East	28	1	1	3	6	Type A, Type C, Type D
Vanderbilt Elementary School	HHH HSE	22	1	1	3	6	Type A, Type C, Type D
Otsego Elementary School	HHH HSE	50	0	1	3	6	Type A, Type C, Type D
Vanderbilt Elementary School	HHH Public Library	50	4	1	3	6	Type A, Type C, Type D
Vanderbilt Elementary School	HHH Public Library	50	4	1	3	6	Type A, Type C, Type D
Vanderbilt Elementary School	HHH Public Library	50	5	1	3	6	Type A, Type C, Type D
Vanderbilt Elementary School	HHH Public Library	22	4	1	3	6	Type A, Type C, Type D
Vanderbilt Elementary School	HHH Public Library	44	6	1	3	6	Type A, Type C, Type D
Vanderbilt Elementary School	HHH Public Library	44	6	1	3	6	Type A, Type C, Type D
Vanderbilt Elementary School	HHH Public Library	21	3	1	3	6	Type A, Type C, Type D
Vanderbilt Elementary School	HHH Public Library	42	4	1	3	6	Type A, Type C, Type D
Vanderbilt Elementary School	HHH Public Library	42	5	1	3	6	Type A, Type C, Type D
Vanderbilt Elementary School	HHH Public Library	11	5	1	3	6	Type A, Type C, Type D
Vanderbilt Elementary School	HHHHSE	24	2	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS East	HHHHSE	18	2	1	3	6	Type A, Type C, Type D
Signal Hill Elementary School	HHHHSE	21	2	1	3	6	Type A, Type C, Type D
Candlewood Middle School	HHHHSE	5	2	1	3	6	Type A, Type C, Type D
Otsego Elementary School	HHHHSE	50	0	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS West	HHHHSE	15	0	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS West	HHHHSE	15	0	1	3	6	Type A, Type C, Type D
West Hollow Middle School	HHHHSE	17	1	1	3	6	Type A, Type C, Type D
Signal Hill Elementary School	HHHHSE	102	10	2	3	12	Type A, Type C, Type D
West Hollow Middle School	HHHHSE	45	2	2	3	12	Type A, Type C, Type D
West Hollow Middle School	HHHHSE	56	6	2	3	12	Type A, Type C, Type D
West Hollow Middle School	HHHHSE	78	4	2	3	12	Type A, Type C, Type D
Signal Hill Elementary School	HHHHSE	20	3	1	3	6	Type A, Type C, Type D
Signal Hill Elementary School	HHHHSE	20	3	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS West	HHHHSE	11	0	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS West	HHHHSE	8	2	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS West	HHHHSE	2	1	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS West	HHHHSE	2	1	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS West	HHHHSE	39	1	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS East	HHHHSW	10	1	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS East	HHHHSW	10	1	1	3	6	Type A, Type C, Type D
Candlewood Middle School	HHHHSW	30	2	1	5	10	Type A, Type C, Type D
Candlewood Middle School	HHHHSW	33	1	1	3	6	Type A, Type C, Type D
Vanderbilt Elementary School	HHHHSW	140	15	3	3	18	Type A, Type C, Type D
ESB Sequoya at Pat Med HS	HHHHSW	10	0	1	3	6	Type A, Type C, Type D
West Hollow Middle School	HHSE Planetarium	28	1	1	3	6	Type A, Type C, Type D
West Hollow Middle School	HHSE Planetarium	28	1	1	3	6	Type A, Type C, Type D
West Hollow Middle School	High School East	68	2	2	3	6	Type A, Type C, Type D
West Hollow Middle School	High School East	2	3	1	3	6	Type A, Type C, Type D
Candlewood Middle School	High School West	29	1	1	3	6	Type A, Type C, Type D
Otsego Elementary School	High School West	104	16	3	3	18	Type A, Type C, Type D
Half Hollow Hills HS East	High school west	20	0	1	3	6	Type A, Type C, Type D
Candlewood Middle School	High School West	7	6	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS East	Hobart and William Smith Colleges	5	2	1	375	750	ROUTE TOO LONG
Candlewood Middle School	Hofstra University	9	3	1	25	50	Type C, Type D
Half Hollow Hills HS East	Hofstra University	45	1	1	25	50	Type C, Type D
West Hollow Middle School	Hofstra University	13	1	1	25	50	Type C, Type D
Half Hollow Hills HS West	Hofstra University	16	1	1	25	50	Type C, Type D
Half Hollow Hills HS East	Hofstra University David S. Mack Fitness Center	30	2	1	25	50	Type C, Type D
Half Hollow Hills HS East	Hofstra University David S. Mack Fitness Center	30	2	1	25	50	Type C, Type D
Half Hollow Hills HS East	Hofstra University David S. Mack Fitness Center	30	2	1	25	50	Type C, Type D
Half Hollow Hills HS East	Hofstra University Frank Zarb School of Business	4	1	1	25	50	Type C, Type D
Half Hollow Hills HS East	Hofstra University Starr Hall	20	1	1	25	50	Type C, Type D
Half Hollow Hills HS East	Holocaust Memorial and Tolerance Center	39	5	0	25	50	Type C, Type D
West Hollow Middle School	Holtsville Ecology Center	4	6	1	28	60	Type C
Half Hollow Hills HS West	HS East	15	1	1	3	6	Type A, Type C, Type D
Otsego Elementary School	HSE	8	1	1	5	10	Type A, Type C, Type D
West Hollow Middle School	HSE Planetarium	28	1	1	4	8	Type A, Type C, Type D
West Hollow Middle School	HSE Planetarium	28	1	1	4	8	Type A, Type C, Type D
West Hollow Middle School	HSE Planetarium	15	1	1	4	8	Type A, Type C, Type D
West Hollow Middle School	HSE Planetarium	28	1	1	4	8	Type A, Type C, Type D
West Hollow Middle School	HSE Planetarium	28	1	1	4	8	Type A, Type C, Type D
West Hollow Middle School	HSE Planetarium	26	1	1	4	8	Type A, Type C, Type D
Half Hollow Hills HS West	Hunter Mountain Ski Resort	50	4	1	106	215	ROUTE TOO LONG
Half Hollow Hills HS West	Huntington Cinema Arts Center	51	4	2	10	40	Type A, Type C, Type D
Half Hollow Hills HS West	Huntington Cinema Arts Theater/Rincon Criollo	42	2	1	10	20	Type A, Type C, Type D
Half Hollow Hills HS West	Intrepid Air and Space Museum	51	4	2	50	200	ROUTE TOO LONG
Hills Academy	Island Harvest Food Bank	15	5	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS West	Island Rock	90	3	3	8	48	Type C, Type D
Half Hollow Hills HS West	Island Rock	10	2	1	8	16	Type A, Type C, Type D
Half Hollow Hills HS West	Island Rock	10	2	1	8	16	Type A, Type C, Type D
Half Hollow Hills HS West	Island Rock	10	2	1	8	16	Type A, Type C, Type D

Field Trip Schedule

School	Destination	Students	Adults	Vehicles	Miles One Way	Total Miles	Bus Type
Half Hollow Hills HS West	Island Rock	10	2	1	8	16	Type A, Type C, Type D
Half Hollow Hills HS West	Island Rock	10	2	1	8	16	Type A, Type C, Type D
Half Hollow Hills HS West	Island Rock	10	2	1	8	16	Type A, Type C, Type D
Half Hollow Hills HS West	Island Rock	10	2	1	8	16	Type A, Type C, Type D
Half Hollow Hills HS West	Island Rock	10	2	1	8	16	Type A, Type C, Type D
Half Hollow Hills HS West	Island Rock	10	2	1	8	16	Type A, Type C, Type D
Half Hollow Hills HS East	James E Allen elementary and secondary schools	183	8	4	5	40	Type A, Type C, Type D
Half Hollow Hills HS East	Jericho High School	35	1	1	12	25	Type A, Type C, Type D
Half Hollow Hills HS West	JFK airport	37	4	2	35	70	ROUTE TOO LONG
Paumanok Elementary School	John Engeman Theater	124	41	3	15	90	ROUTE TOO LONG
Half Hollow Hills HS West	John Glenn HS	20	2	1	8	16	Type A, Type C, Type D
Half Hollow Hills HS West	John Glenn HS	20	2	1	8	16	Type A, Type C, Type D
Vanderbilt Elementary School	John W. Engeman Theater	137	11	3	15	90	ROUTE TOO LONG
Signal Hill Elementary School	John W. Engeman Educational Theater	100	16	3	15	90	ROUTE TOO LONG
Vanderbilt Elementary School	John W. Engeman Theater	110	7	3	15	90	ROUTE TOO LONG
Otsego Elementary School	John W. Engeman Theater	94	21	2	15	60	Type C
Otsego Elementary School	John W. Engeman Theater	110	25	3	15	90	ROUTE TOO LONG
Sunquam Elementary School	John W. Engeman Theater	80	18	2	15	60	Type C
Sunquam Elementary School	John W. Engeman Theater	87	25	2	15	60	Type C
Otsego Elementary School	John W. Engeman Theater at Northport	91	15	2	15	60	Type C
Paumanok Elementary School	John W. Engeman Theater Northport	76	16	3	15	60	Type C
Candlewood Middle School	Jones Beach Wild Play Adventure Park	18	3	1	25	50	Type C, Type D
Half Hollow Hills HS West	Kadampa Center	51	4	2	8	32	Type A, Type C, Type D
Half Hollow Hills HS East	Kellenberg High School	30	3	1	20	45	Type A, Type C, Type D
Half Hollow Hills HS East	Kellenberg Memorial HS	15	1	1	20	45	Type A, Type C, Type D
Half Hollow Hills HS West	LaGuardia Airport	10	15	1	35	70	ROUTE TOO LONG
Half Hollow Hills HS East	LeMoyne College	15	2	1	340	700	ROUTE TOO LONG
Half Hollow Hills HS East	LIU Post Tilles Center	10	2	1	20	40	Type A, Type C, Type D
Half Hollow Hills HS East	Long Island Aquarium	75	5	2	50	200	ROUTE TOO LONG
Half Hollow Hills HS West	Long Island Aquarium	15	1	1	50	100	ROUTE TOO LONG
Signal Hill Elementary School	Long Island Children's Museum	60	13	2	20	80	ROUTE TOO LONG
Signal Hill Elementary School	Long Island Children's Museum	40	8	1	20	40	Type A, Type C, Type D
West Hollow Middle School	Long Island MacArthur Airport	85	10	3	25	150	ROUTE TOO LONG
West Hollow Middle School	Long Island MacArthur Airport	50	5	2	25	100	ROUTE TOO LONG
Half Hollow Hills HS East	Long Island University	15	2	1	20	40	Type A, Type C, Type D
West Hollow Middle School	Long Island University - Brentwood Campus	70	10	2	8	32	Type A, Type C, Type D
West Hollow Middle School	Long Island University/Adventureland	55	12	2	8	16	Type A, Type C, Type D
West Hollow Middle School	Longhouse Reserve	40	4	1	75	150	ROUTE TOO LONG
Half Hollow Hills HS East	Longhouse Reserve	20	3	1	75	150	ROUTE TOO LONG
Half Hollow Hills HS East	Longwood High School	50	3	2	30	120	ROUTE TOO LONG
Half Hollow Hills HS East	Martin Luther King HS Campus	10	1	1	45	90	ROUTE TOO LONG
Half Hollow Hills HS West	Melville Post Office & Victor's Pizza	9	10	1	4	8	Type A, Type C, Type D
Half Hollow Hills HS West	Melville Post Office & Victor's Pizza	7	9	0	4	8	Type A, Type C, Type D
Half Hollow Hills HS West	Melville Post Office and Victor's Pizza	10	12	1	4	8	Type A, Type C, Type D
Half Hollow Hills HS East	MET - Museum	25	4	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS East	Met Museum of Art	25	3	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS West	Metropolitan Museum	10	1	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS West	Metropolitan Museum 5th Ave	31	4	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS West	Metropolitan Museum of Art	20	2	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS West	Metropolitan Museum of Art	30	3	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS West	Metropolitan Museum of Art	51	5	2	40	160	ROUTE TOO LONG
Half Hollow Hills HS East	Metropolitan Museum of Art	30	3	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS East	Michael Murphy Navy SEAL Museum	75	3	2	22	90	ROUTE TOO LONG
Candlewood Middle School	Mitchel Athletic Complex - Cradle of Aviation Museum	23	23	1	22	45	Type A, Type C, Type D
Half Hollow Hills HS West	Mitchell Field Athletic Complex in Uniondale	25	2	1	25	50	Type C, Type D
Half Hollow Hills HS East	Molloy College	20	1	1	25	50	Type C, Type D
Half Hollow Hills HS West	MoMA Art Museum	18	2	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS East	Museum of Illustration www.societyillustrators.org	28	4	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS West	Museum of Jewish Heritage	51	4	2	45	180	ROUTE TOO LONG
Half Hollow Hills HS West	Museum of Modern Art	35	4	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS West	Museum of Modern Art	22	3	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS West	Museum of Moving Images	51	6	2	40	160	ROUTE TOO LONG
Candlewood Middle School	Museum of the Chinese in America	17	3	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS West	Museum of the City of NY	51	4	2	40	160	ROUTE TOO LONG
Half Hollow Hills HS East	Muttontown Nature Preserve	20	1	1	15	30	Type A, Type C, Type D
Half Hollow Hills HS East	MVP Arena	15	2	1	200	400	ROUTE TOO LONG
Half Hollow Hills HS East	MVP Arena	25	3	1	200	400	ROUTE TOO LONG
Candlewood Middle School	Nassau Coliseum	85	10	2	25	100	ROUTE TOO LONG
Paumanok Elementary School	Nassau County Fire Fighters Museum & Education Center	60	20	2	25	100	ROUTE TOO LONG
Paumanok Elementary School	Nassau County Fire Fighters Museum & Education Center	78	24	2	25	100	ROUTE TOO LONG
Half Hollow Hills HS West	New York Bar Association	6	1	1	45	90	ROUTE TOO LONG
Half Hollow Hills HS East	New York Botanical Gardens	30	4	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS East	Newfield HS	10	1	1	25	50	Type C, Type D
Half Hollow Hills HS East	Nissequogue River	21	2	1	18	36	Type A, Type C, Type D
Candlewood Middle School	Nissequogue River State Park	22	22	1	18	36	Type A, Type C, Type D
Half Hollow Hills HS West	North Babylon Post Office	10	12	1	10	20	Type A, Type C, Type D
Half Hollow Hills HS West	Northport High School	10	1	1	10	20	Type A, Type C, Type D
West Hollow Middle School	Northport High School	24	3	1	10	20	Type A, Type C, Type D
Half Hollow Hills HS East	Northport High School	15	1	1	10	20	Type A, Type C, Type D
Half Hollow Hills HS East	Northport High School	24	3	1	10	20	Type A, Type C, Type D
Half Hollow Hills HS East	NY Hall of Science	13	1	1	35	70	ROUTE TOO LONG
Candlewood Middle School	NYU Skirball Center	8	2	1	45	90	ROUTE TOO LONG
Paumanok Elementary School	Old Bethpage Restoration Village	74	16	2	10	40	Type A, Type C, Type D
Half Hollow Hills HS East	Organic Today Farm	40	6	1	15	30	Type A, Type C, Type D
West Hollow Middle School	OTHER	18	8	1	25	50	Type C, Type D
Half Hollow Hills HS East	Otsego Elementary School	25	1	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS East	Parris Art Museum	40	3	1	65	130	ROUTE TOO LONG
Half Hollow Hills HS East	Parrish Art Museum	30	3	1	65	130	ROUTE TOO LONG
Half Hollow Hills HS West	Patchogue Theatre of Performing Arts	51	4	2	25	100	ROUTE TOO LONG
Hills Academy	Paul Gibbons Park	30	5	1	15	30	Type A, Type C, Type D
Half Hollow Hills HS West	Paul T Given Park	60	5	2	18	40	Type A, Type C, Type D
Half Hollow Hills HS East	Paumanok Elementary School	25	1	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS East	Paumanok Elementary School	12	1	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS West	Plainview-Old Bethpage JFK HS	12	3	1	10	20	Type A, Type C, Type D
West Hollow Middle School	Planetarium at HSE	19	8	1	5	10	Type A, Type C, Type D
West Hollow Middle School	Planetarium at HSE	0	0	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	22	0	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	20	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	21	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	20	3	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	20	3	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	22	3	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	23	1	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	20	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	23	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	6	3	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	21	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	22	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	21	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	21	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	20	2	1	5	10	Type A, Type C, Type D

Field Trip Schedule

School	Destination	Students	Adults	Vehicles	Miles One Way	Total Miles	Bus Type
Signal Hill Elementary School	Planetarium at HSE	21	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	21	2	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS West	Planetarium at HSE	0	0	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS West	Planetarium at HSE	0	0	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS West	Planetarium at HSE	0	0	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS West	Planetarium at HSE	0	0	1	5	10	Type A, Type C, Type D
Candlewood Middle School	Planetarium at HSE	23	1	1	5	10	Type A, Type C, Type D
Candlewood Middle School	Planetarium at HSE	23	1	1	5	10	Type A, Type C, Type D
Candlewood Middle School	Planetarium at HSE	26	1	1	5	10	Type A, Type C, Type D
Candlewood Middle School	Planetarium at HSE	26	1	1	5	10	Type A, Type C, Type D
Candlewood Middle School	Planetarium at HSE	38	1	1	5	10	Type A, Type C, Type D
Candlewood Middle School	Planetarium at HSE	23	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	21	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	21	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	22	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	22	1	1	0	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	18	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	18	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	12	7	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	19	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	19	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	20	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	13	9	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	22	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	22	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	21	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	20	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	20	2	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	21	2	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	20	1	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	20	2	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	18	2	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	8	5	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	19	2	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	19	2	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planetarium at HSE	20	2	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	24	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	23	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	24	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	22	2	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	9	10	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	24	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	15	5	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	23	2	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	24	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	22	2	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	23	2	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	22	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	23	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	19	2	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	19	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	19	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	19	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	22	2	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	9	5	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	20	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	21	1	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	11	5	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	21	2	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	19	2	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	22	3	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	22	4	1	5	10	Type A, Type C, Type D
Otsego Elementary School	Planetarium at HSE	21	3	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	25	1	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	25	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	12	5	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	15	7	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	22	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	25	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	25	4	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	26	4	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	22	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	23	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	24	4	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	22	4	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	20	1	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	22	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	26	1	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	20	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	21	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	20	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	21	3	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	22	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	22	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	26	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	23	1	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	0	0	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	22	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	21	1	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	21	3	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	22	3	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	22	3	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	21	5	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	15	9	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	20	1	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	20	1	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	8	8	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	10	3	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	21	2	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	23	30	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	22	2	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	20	4	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	12	4	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	20	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	22	1	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	19	3	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	19	7	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	20	6	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	8	9	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	23	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	21	2	1	5	10	Type A, Type C, Type D
Vanderbilt Elementary School	Planetarium at HSE	22	1	1	5	10	Type A, Type C, Type D

Field Trip Schedule

School	Destination	Students	Adults	Vehicles	Miles One Way	Total Miles	Bus Type
Vanderbilt Elementary School	Planetarium at HSE	20	1	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	23	4	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	23	2	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	22	1	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	21	3	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	21	1	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	21	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	22	3	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	21	3	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	23	2	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	25	2	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	9	4	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	23	1	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	21	1	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Planetarium at HSE	23	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	23	3	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	21	3	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	21	3	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	23	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	24	1	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	25	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	19	1	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	25	2	1	5	10	Type A, Type C, Type D
Signal Hill Elementary School	Planetarium at HSE	7	7	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	Planting Fields Arboretum	45	12	1	20	40	Type A, Type C, Type D
Sunquam Elementary School	Planting Fields Arboretum	51	9	1	20	40	Type A, Type C, Type D
Half Hollow Hills HS West	Pocono White Water Rafting Company	50	5	1	150	300	ROUTE TOO LONG
Candlewood Middle School	Priemer Diner	25	4	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS East	Princeton University	25	3	1	100	200	ROUTE TOO LONG
Half Hollow Hills HS East	Quinnipiac University	12	1	1	130	260	ROUTE TOO LONG
West Hollow Middle School	R C Murphy JHS	35	1	1	20	40	Type A, Type C, Type D
Vanderbilt Elementary School	Raynham Hall	23	2	1	15	30	Type A, Type C, Type D
Vanderbilt Elementary School	Raynham Hall	45	2	1	15	30	Type A, Type C, Type D
Vanderbilt Elementary School	Raynham Hall	44	7	1	15	30	Type A, Type C, Type D
Vanderbilt Elementary School	Raynham Hall	44	7	1	15	30	Type A, Type C, Type D
Paumanok Elementary School	Raynham Hall	21	5	1	15	30	Type A, Type C, Type D
Paumanok Elementary School	Raynham Hall	33	11	1	15	30	Type A, Type C, Type D
Paumanok Elementary School	Raynham Hall Museum	23	4	1	15	30	Type A, Type C, Type D
Paumanok Elementary School	Raynham Hall Museum	23	5	1	15	30	Type A, Type C, Type D
Signal Hill Elementary School	Raynham Hall Museum	21	3	1	15	30	Type A, Type C, Type D
Signal Hill Elementary School	Raynham Hall Museum	21	7	1	15	30	Type A, Type C, Type D
Signal Hill Elementary School	Raynham Hall Museum	21	6	1	15	30	Type A, Type C, Type D
Signal Hill Elementary School	Raynham Hall Museum	21	5	1	15	30	Type A, Type C, Type D
Signal Hill Elementary School	Raynham Hall Museum	21	5	1	15	30	Type A, Type C, Type D
Signal Hill Elementary School	Raynham Hall Museum	21	6	1	15	30	Type A, Type C, Type D
Otsego Elementary School	Raynham Hall Museum	45	7	1	15	30	Type A, Type C, Type D
Otsego Elementary School	Raynham Hall Museum	15	7	1	15	30	Type A, Type C, Type D
Otsego Elementary School	Raynham Hall Museum	46	7	1	15	30	Type A, Type C, Type D
Candlewood Middle School	RC Murphy Middle School	20	2	1	20	40	Type A, Type C, Type D
Half Hollow Hills HS East	Riverhead Correctional Facility	40	3	1	45	90	ROUTE TOO LONG
Half Hollow Hills HS East	Riverhead Correctional Facility	40	3	1	45	90	ROUTE TOO LONG
Half Hollow Hills HS East	Riverhead Correctional Facility	40	3	1	45	90	ROUTE TOO LONG
Half Hollow Hills HS East	Riverhead Correctional Facility	40	3	1	45	90	ROUTE TOO LONG
Half Hollow Hills HS West	Riverhead County Jail	28	3	1	45	90	ROUTE TOO LONG
Half Hollow Hills HS West	Riverhead County Jail	28	2	1	45	90	ROUTE TOO LONG
Half Hollow Hills HS West	Riverhead County Jail	28	2	1	45	90	ROUTE TOO LONG
Half Hollow Hills HS East	Riverside Convention Center - Rochester, NY	20	2	0	340	700	ROUTE TOO LONG
Half Hollow Hills HS West	Rochester	7	2	1	340	700	ROUTE TOO LONG
Half Hollow Hills HS East	Rochester Riverside Convention Center	30	4	0	340	700	ROUTE TOO LONG
Half Hollow Hills HS West	Rutgers University	30	3	1	80	160	ROUTE TOO LONG
Candlewood Middle School	Sachem North High School	14	2	1	20	40	Type A, Type C, Type D
Half Hollow Hills HS East	Sacred Heart Academy	10	1	1	25	50	Type C, Type D
Candlewood Middle School	Samanea New York (Shopping Center/Mall) 1500 Old Country Road, Westbury, NY 11590	29	4	1	20	40	Type A, Type C, Type D
Half Hollow Hills HS East	Sands Point	29	3	1	25	50	Type C, Type D
Half Hollow Hills HS East	Sangria 71	35	2	1	12	25	Type A, Type C, Type D
Half Hollow Hills HS East	Sayville High School	20	1	1	22	45	Type A, Type C, Type D
Half Hollow Hills HS West	Sayville Movie Theater	40	45	2	28	60	Type C
Half Hollow Hills HS East	Scarsdale High School	30	3	1	50	100	ROUTE TOO LONG
Half Hollow Hills HS East	Schrieber High School	30	1	1	25	50	Type C, Type D
Half Hollow Hills HS West	Sewanhaka High School	40	2	2	28	60	Type C
Half Hollow Hills HS West	Sewanhaka High School	40	2	2	28	60	Type C
Half Hollow Hills HS West	Signal Hill Elementary School	10	1	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS East	Signal Hill Elementary School	7	1	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS East	Signal Hill Elementary School	25	1	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS West	Smith Haven Mall	45	50	2	17	70	ROUTE TOO LONG
Half Hollow Hills HS West	Smithtown High School WEST	10	2	1	15	30	Type A, Type C, Type D
Half Hollow Hills HS West	Smithtown High School West	31	3	1	15	30	Type A, Type C, Type D
Half Hollow Hills HS East	Smithtown High School West	31	3	1	15	30	Type A, Type C, Type D
Half Hollow Hills HS West	Smithtown High School West	31	3	1	15	30	Type A, Type C, Type D
Signal Hill Elementary School	Smithtown Historical Society	43	11	1	15	30	Type A, Type C, Type D
Signal Hill Elementary School	Smithtown Historical Society	44	10	1	15	30	Type A, Type C, Type D
Signal Hill Elementary School	Smithtown Historical Society	43	13	1	15	30	Type A, Type C, Type D
Half Hollow Hills HS West	Smithtown Library (Main Building)	8	1	1	15	30	Type A, Type C, Type D
Half Hollow Hills HS West	Smithtown West High School	14	1	1	15	30	Type A, Type C, Type D
Half Hollow Hills HS West	Smoothie King	5	8	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS West	Snug Harbor Cultural Center	19	2	1	55	110	ROUTE TOO LONG
West Hollow Middle School	Sony Hall	29	6	1	45	90	ROUTE TOO LONG
Half Hollow Hills HS East	St John The Divine	25	3	1	45	90	ROUTE TOO LONG
Half Hollow Hills HS West	St Johns University (D'Angelo Building)	10	2	1	30	60	Type C
Half Hollow Hills HS West	St Joseph's University	2	1	1	27	55	Type C, Type D
Half Hollow Hills HS East	St. Francis Prep	11	1	1	30	60	Type C
Half Hollow Hills HS West	St. John the Baptist High School	14	1	1	15	30	Type A, Type C, Type D
Half Hollow Hills HS East	St. Joseph College	20	20	1	27	55	Type C, Type D
Half Hollow Hills HS East	St. Joseph College	37	2	1	27	55	Type C, Type D
Half Hollow Hills HS West	Statue City Cruises/Battery Park	35	3	1	70	145	ROUTE TOO LONG
Half Hollow Hills HS East	Stephen Sondheim Theatre	40	6	1	42	85	ROUTE TOO LONG
Half Hollow Hills HS West	Stew Leonard's	5	8	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS West	Stew Leonard's Tour	5	8	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS West	Stony Brook School	10	1	1	25	50	Type C, Type D
Half Hollow Hills HS West	Stony Brook University	19	2	1	25	50	Type C, Type D
Half Hollow Hills HS West	Stop & Shop	9	12	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS West	Stop & Shop	9	12	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS West	Stop & Shop	9	12	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS West	Stop & Shop	9	12	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS West	Stop & Shop	9	12	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS West	Stop & Shop	9	12	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS West	Stop & Shop	9	12	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS West	Stop & Shop	9	12	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS West	Stop & Shop	9	12	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS West	Stop & Shop	9	12	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS West	Stop & Shop	9	12	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS West	Stop & Shop	9	12	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS West	Stop & Shop & Burger king	9	12	1	6	12	Type A, Type C, Type D

Field Trip Schedule

School	Destination	Students	Adults	Vehicles	Miles One Way	Total Miles	Bus Type
Half Hollow Hills HS East	Stop and Shop	16	18	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	9	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	9	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	9	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	9	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	9	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	9	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	9	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	9	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	9	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	9	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	9	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	9	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	9	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	8	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	8	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	8	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	8	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	8	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	9	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	9	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	9	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Stop and Shop	8	9	1	6	12	Type A, Type C, Type D
Paumanok Elementary School	Stop and Shop Supermarket	30	3	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS West	Suffolk Community College	30	2	1	22	45	Type A, Type C, Type D
Half Hollow Hills HS West	Suffolk Community College	10	2	1	10	20	Type A, Type C, Type D
Half Hollow Hills HS West	Suffolk Community College	100	4	2	10	40	Type A, Type C, Type D
Half Hollow Hills HS East	Suffolk Community College Ammerman Campus	20	2	1	22	45	Type A, Type C, Type D
Candlewood Middle School	Suffolk Community College Selden Campus	16	2	1	22	45	Type A, Type C, Type D
Half Hollow Hills HS East	Suffolk Community College Selden Campus	20	2	1	22	45	Type A, Type C, Type D
West Hollow Middle School	Suffolk Community College, Brentwood Campus	60	10	2	10	40	Type A, Type C, Type D
Half Hollow Hills HS East	Suffolk County Criminal Court, Central Islip	8	1	1	17	35	Type A, Type C, Type D
Candlewood Middle School	Suffolk County Farm and Education Center	23	23	1	28	56	Type C, Type D
Paumanok Elementary School	Suffolk County Farm and Education Center	92	18	2	28	115	ROUTE TOO LONG
Half Hollow Hills HS East	Sunken Meadow Outdoor Learning Lab - State Park Field 5	28	3	1	17	35	Type A, Type C, Type D
Half Hollow Hills HS East	Sunken Meadow Outdoor Learning Lab - State Park Field 5	28	3	1	17	35	Type A, Type C, Type D
Half Hollow Hills HS East	Sunken Meadow Outdoor Learning Lab - State Park Field 5	20	3	1	17	35	Type A, Type C, Type D
Half Hollow Hills HS East	Sunken Meadow Outdoor Learning Lab - State Park Field 5	25	3	1	17	35	Type A, Type C, Type D
Candlewood Middle School	Sunken Meadow State Park	23	22	2	17	35	Type A, Type C, Type D
Half Hollow Hills HS East	Sunqaum Elementary School	25	1	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS East	Sunqaum Elementary School	7	0	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS West	Sunrise Assisted Living	10	1	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS East	SUNY SB	25	2	1	25	50	Type C, Type D
Sunquam Elementary School	Sweet Briar Nature Center	21	5	1	17	35	Type A, Type C, Type D
Sunquam Elementary School	Sweet Briar Nature Center	40	4	1	17	35	Type A, Type C, Type D
Sunquam Elementary School	Sweetbriar Nature Center	93	26	1	17	35	Type A, Type C, Type D
Otsego Elementary School	Sweetbriar Nature Center	90	14	1	17	35	Type A, Type C, Type D
Half Hollow Hills HS East	Syosset HS	40	1	1	12	25	Type A, Type C, Type D
Candlewood Middle School	Tanger Outlets	23	23	1	7	15	Type A, Type C, Type D
Half Hollow Hills HS West	Tanger Outlets Deer Park, NY	45	50	2	7	30	Type A, Type C, Type D
West Hollow Middle School	Target	4	5	1	6	12	Type A, Type C, Type D
Candlewood Middle School	Target	22	22	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Target	16	2	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Target	15	17	1	6	12	Type A, Type C, Type D
Half Hollow Hills HS East	Tenement Musuem & Essex Market	39	6	1	38	80	ROUTE TOO LONG
Sunquam Elementary School	The Argyle Theatre Babylon	92	30	3	12	75	ROUTE TOO LONG
Candlewood Middle School	The Gershwin Theater	66	15	2	40	80	ROUTE TOO LONG
West Hollow Middle School	The Well Seasoned Chef	20	4	1	20	40	Type A, Type C, Type D
Half Hollow Hills HS West	Tilles Center Long Island University	15	2	1	20	40	Type A, Type C, Type D
Half Hollow Hills HS East	Tony DiNapoli's followed by Marquis Theater	40	4	1	40	80	ROUTE TOO LONG
Half Hollow Hills HS West	Uncle Giuseppe's Tour for Principles of Work Class	5	7	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS East	University of Pennsylvania	15	2	1	165	330	ROUTE TOO LONG
Half Hollow Hills HS East	Usdan Center for the Creative and Performing Arts	12	2	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	Vanderbilt Elementary	20	1	1	7	15	Type A, Type C, Type D
Half Hollow Hills HS East	Vanderbilt Elementary School	25	1	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS West	Vanderbilt Elementary School/Otsego Elementary School	31	2	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS West	Vanderbilt Elementary School/Otsego Elementary School	31	2	1	5	10	Type A, Type C, Type D
Candlewood Middle School	Vanderbilt Museum and Planetarium	5	3	1	12	25	Type A, Type C, Type D
Half Hollow Hills HS West	Vanderbilt, Otsego, Candlewood	11	0	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS East	Walmart	30	1	1	7	15	Type A, Type C, Type D
Half Hollow Hills HS East	Walt Whitman High School	10	2	1	5	10	Type A, Type C, Type D
Candlewood Middle School	Walt Whitman High School	14	2	1	7	15	Type A, Type C, Type D
Half Hollow Hills HS West	Walt Whitman High School	22	4	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS West	Walt Whitman High School	10	2	1	7	15	Type A, Type C, Type D
West Hollow Middle School	Walt Whitman High School	10	1	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS East	Ward Melville High School	30	1	1	20	40	Type A, Type C, Type D
Half Hollow Hills HS West	Waste Facilities	31	1	1	17	35	Type A, Type C, Type D
Half Hollow Hills HS West	Waste Facilities	20	1	1	17	35	Type A, Type C, Type D
Half Hollow Hills HS East	Wells Fargo	6	1	1	40	80	ROUTE TOO LONG
West Hollow Middle School	West Hills Park	35	4	1	7	15	Type A, Type C, Type D
Signal Hill Elementary School	West Hollow Middle School	102	8	2	5	20	Type A, Type C, Type D
Half Hollow Hills HS East	West Hollow Middle School	25	2	1	5	10	Type A, Type C, Type D
Otsego Elementary School	West Hollow Middle School	11	10	1	5	10	Type A, Type C, Type D
Sunquam Elementary School	West Hollow Middle School	89	4	2	5	20	Type A, Type C, Type D
Sunquam Elementary School	West Hollow Middle School	88	4	2	5	20	Type A, Type C, Type D
Sunquam Elementary School	West Hollow Middle School	90	5	2	5	20	Type A, Type C, Type D
Half Hollow Hills HS East	West Hollow Middle School	10	1	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS East	West Hollow Middle School	10	1	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS East	West Hollow Middle School	10	2	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS East	West Hollow Middle School	20	2	1	5	10	Type A, Type C, Type D
Paumanok Elementary School	West Hollow Middle School	115	10	3	5	30	Type A, Type C, Type D
Paumanok Elementary School	West Hollow Middle School	115	10	3	5	30	Type A, Type C, Type D
Paumanok Elementary School	West Hollow Middle School	115	10	3	5	30	Type A, Type C, Type D
Signal Hill Elementary School	West Hollow Middle School	51	1	1	5	10	Type A, Type C, Type D
Half Hollow Hills HS West	Westhampton Beach Theater	42	3	1	46	95	ROUTE TOO LONG
Otsego Elementary School	White Post Farms	101	25	2	5	20	Type A, Type C, Type D
Half Hollow Hills HS East	Whitney Museum of American Art	30	3	1	43	90	ROUTE TOO LONG
Half Hollow Hills HS West	Whitney Museum of American Art	30	3	1	43	90	ROUTE TOO LONG
Candlewood Middle School	Wickham	21	23	1	42	90	ROUTE TOO LONG
Half Hollow Hills HS West	Wickham Fruit Farm	37	40	2	65	260	ROUTE TOO LONG
Half Hollow Hills HS West	Wickham Fruit Farm - Apple Picking	40	46	2	65	260	ROUTE TOO LONG
Half Hollow Hills HS East	William Floyds HS	50	3	2	37	75	ROUTE TOO LONG
Half Hollow Hills HS East	William T. Rogers MS	14	2	1	15	30	Type A, Type C, Type D
Half Hollow Hills HS East	Wilson Tech Dix Hills, Northport, Republic and Huntington Campus	25	3	1	3	6	Type A, Type C, Type D
Half Hollow Hills HS East	Yale University (Marriott)	8	2	1	100	200	ROUTE TOO LONG
Half Hollow Hills HS East	York College	8	1	1	30	60	Type C

TOTAL MILES
33781