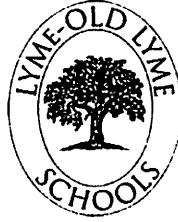


# LYME-OLD LYME SCHOOLS

*Regional School District #18*

*A Private School Experience*



*in a Public School Setting*

## **Regular Board of Education Meeting**

May 6, 2020

*This meeting took place virtually through Zoom*

*Board Present:* Diane Linderman, Chair; Martha Shoemaker, Vice Chair; Jean Wilczynski, Treasurer; Steven Wilson, Secretary; Rick Goulding, Stacey Leonardo; Jennifer Miller; Mary Powell St. Louis; Suzanne Thompson

*Administration Present:* Ian Neviasser, Superintendent of Schools; Mark Ambruso, Principal of Lyme-Old Lyme Middle School; Michelle Dean, Director of Curriculum; Melissa Dougherty, Director of Special Services; Kelly Enoch, Principal of Mile Creek School; Holly McCalla, Business Manager; Jeanne Manfredi, Assistant Principal of Lyme-Old Lyme High School; Ron Turner, Director of Facilities and Technology; Noah Ventola, Assistant Principal of Lyme-Old Lyme Middle School; James Wygonik, Principal of Lyme-Old Lyme High School

*Others Present:* Isabella Hine and Ellery Zrenda, High School Student Representatives; Julie Werth, *Connecticut Examiner*; two community members from LOL

### **I. Call to Order**

The meeting was called to order at 6:30 p.m. by Chair Linderman. The Pledge of Allegiance was recited.

### **II. Approval of Minutes**

MOTION: Mrs. Shoemaker made a motion, which was seconded by Mrs. Miller, to approve the minutes of Regular Meeting of April 1, 2020 and District Budget Hearing of April 6, 2020. Mrs. Miller made a correction to page 3 of the Regular Meeting Minutes regarding the correct budget decrease amount.

VOTE: the Board voted unanimously in favor of the motion along with the correction to the minutes.

**49 Lyme Street, Old Lyme, Connecticut 06371**

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### III. Visitors

#### 1. Report from Student Representatives

Isabella Hine and Ellery Zrenda reported on the following distance learning activities taking place:

*At LOLHS:* Feedback from the students, parents and teachers are that everyone has developed a routine and rhythm to distance learning. Teachers are delivering instruction through Google meetings, screen-casts and the interactivity of Canvas. Each department meets weekly with an administrator to give and receive feedback on progress and develop adjustments as necessary. The in-house weekly news show crew is continuing to produce new episodes each Friday. Many teachers and students have contributed videos and photos to the program. Over the past few weeks, the high school has hosted virtual trivia nights and a scavenger hunt. The student leaders are working hard with Ms. Manfredi to continue to provide fun social activities to keep everyone together as a school. Graduation yard signs have been purchased for the seniors and are expected to be delivered next week. Mr. Wygonik reports that he is continuing to work on graduation plans. He and Mr. Neviasser will be meeting with the Class of 2020 parents on May 20 to update them on the progress. Connie Pan, a junior at LOLHS, has been named as a 2020 Governor's Scholar. This honor is awarded to the top 30 juniors in the State of Connecticut. AP testing begins next week. The College Board has developed 45-minute online exams for all subjects. The counselors and AP teachers have done a great job preparing students with both the content and technical logistics of the exams.

*At LOLMS:* The middle school is now in a distance learning routine. Almost all teachers are utilizing Google Classroom to organize, deliver and collect assignments. Many teachers are meeting live with students, while others are creating videos to present information. Homerooms meet once a week to stay connected, and teachers are available daily for Google meets. Noah Ventola has been working with students to create weekly video news with weekly challenges, while most recently Laura Gladd and the middle school staff created a video to the song, "Dancing with Myself" that can be found on the middle school website. Mark Ambruso is working with the PTO on ways to recognize the outgoing 8th graders.

*At Mile Creek School and Lyme Consolidated School:* Distance Learning at Mile Creek and Lyme Consolidated School: the primary platforms utilized for distance learning at Mile Creek are See Saw and Google Classroom. Fridays are utilized as a "catch up" day and for teachers to provide additional support to students. Teachers meet with their classrooms via Google Meet for class check-ins, read alouds and some whole group instruction. Most academic instruction is provided in small groups or one to one through Google Meet. Additionally, videos are utilized to teach concepts. For example, Math Coach Megin Sechen creates weekly videos for each grade level to address the skills typically taught through Number Corners. Teachers have mastered new technology in order to address skills typically taught through Foundations. Many are utilizing Jamboard to provide an interactive experience for students. All special area teachers have folders in See Saw where students upload their work. The students are able to upload both pictures and videos. The use of a virtual library has been implemented allowing students to check out books and podcasts. SRBI is being provided through a tutorial model, and special education students are receiving academic instruction and related services virtually. The schools' vestibules are being utilized as a spot for an exchange of materials. Parents are able to drop off completed work for

teachers, and teachers are able to leave supplies and materials for pick up. For example, fifth graders left books for students to pick up for book clubs, and kindergarten students left kits for families to engage in a planting activity at home. Teachers communicate frequently with students and families to monitor progress and to adjust assignments if needed. Calls are made to families if students are falling behind in work in order to provide additional support. Many teachers have also set aside times to schedule individual Google Meets for students who may have questions regarding assignments or may simply require some face time with their teacher in order to receive reassurance or encouragement. The elementary staff has done an amazing job. They have acquired many new skills in the area of technology in order to meet the academic needs of their students and have devoted a great deal of time to connecting with students and families as they work to address the emotional well-being of students. The teachers work collaboratively with one another within each school and across the district to ensure a cohesive distance learning model. Many thanks go out to the elementary tech team, which has done an outstanding job of providing training and support to both teachers and families. All that has been accomplished would have been impossible without them.

*In the Preschool Program:* During the COVID-19 shutdown, the Pre-K faculty continues provide distance learning based on the monthly themes in a variety of ways. The teachers meet with students via Google Meets with individual students and small groups. The staff records sample lessons for parents to understand how to approach specific learning and also records read-alouds which are posted to their private YouTube channel. The teachers provide weekly distance learning materials and plans digitally and have also prepared hard copies for parent pick-up. The “room moms” have collaborated with teachers to organize virtual playdates. Specials teachers have included enrichment activities for students and families. The preschool teachers are so appreciative of the collaboration with the families but look forward to holding classes in person with our youngest Wildcats.

Isabella Hine and Ellery Zrenda provided a student perspective on distance learning noting the effectiveness of instruction through Zoom, Google meets and video recordings. They commended the faculty for going the extra mile to ensure the students were getting the best education possible. Other positive initiatives include the documenting of the pandemic for a history project; spirit week being organized by the student leaders; sharing of photos for prom and an online scavenger hunt.

#### **IV. Administrative Reports**

##### **1. Superintendent’s Report**

Mr. Neviasser reviewed the May personnel report which reflected the hiring of a 7<sup>th</sup> grade science teacher at the middle school. He noted that in addition, they have hired a mathematics teacher at the high school which was not reflected on the report. Currently, outstanding vacancies include a Director of Communications and Marketing; World Language Teacher at the middle and high school level and several elementary teachers.

Mr. Neviasher reviewed the May enrollment report which reflected a total of 1,303 students, an increase of one student from last month this time. Currently there are ten tuition students enrolled, and they continue to get interest for tuition students to attend the district's school for future years.

Mr. Neviasher extended thanks to the teaching staff in honor of Teacher Appreciation Week and their efforts under the extenuating circumstances.

Mr. Neviasher reported that he attended a conference call with the Commissioner of Education earlier in the day. Some of the information gleaned from that call included summer school programming (expected to take place virtually) and the potential for summer camps that might occur with restrictions determined by parks and recreation department.

Mr. Neviasher reported on the work of a State Department of Education Task Force which is working on the development of initiatives for the reopening of school in the fall including the possibility of smaller class sizes; using bigger areas such as cafeterias and gymnasiums for instructional space; alternating student days, etc. This task force will be providing more guidance in mid-June/July in line with social distancing at that time with recommendations for graduation forthcoming. Governor Lamont indicated that no traditional graduation ceremonies will take place in June. The administration and senior parents have been in discussion on different scenarios for graduation for the senior class. A virtual meeting with parents of the Class of 2020 will take place on May 20.

Mr. Neviasher reported that the College Board is offering free SAT tests in the fall (October) for the current junior class.

Mr. Neviasher reported that he would provide his monthly update on the district goals during his evaluation, which would be taking place in executive session at the end of the regular meeting.

Mr. Neviasher reported that the staff is working incredibly hard during this difficult time. There are some bumps in the road, i.e., technology, some student struggles, etc. The staff is being flexible in meeting all the needs of the students.

Dr. Powell St. Louis inquired about a social media post indicating the possibility of a car parade on June 12, the scheduled date for graduation. Mr. Neviasher reported that this has been discussed by the Safe Grad group and will be dependent on social distancing rules in effect at that time. Mrs. Miller recommended that the administration share decisions made with all parents and the community at large as all wanted to assist in this endeavor to celebrate the seniors.

## 2. Business Manager's Report

Mrs. McCalla reviewed the Executive Budget Summary as of April 30, 2020. Fluctuations of note: *Special Education*: Encumbrances entered as student needs are determined, but trending down considerably year over year

*Admin Services:* Greater purchasing in admin technology equipment and purchased services last year to date vs. this year to date. Errors in account coding were identified and corrected by year end. Spending this year is reflected in instructional programs.

*Employee Benefits:* Actual allocation rates less than budgeted.

*Transportation:* Due to use of grant funds to offset this year's costs.

*Support Services:* Last year to date increased spending on library books and equipment/purchased services. Spending is in line with previous years.

#### **Year To Date Revenue Report**

	2018-2019 Received	2019-2020 Received YTD
Town of Old Lyme	\$26,343,259	\$22,428,343
Town of Lyme	\$6,748,520	\$5,354,982

Mrs. McCalla reviewed the Contingency Maintenance Report, which reflected a balance of \$14,375 as of April 30, 2020. There were \$14,005 in new expenditures for the maintenance tractor repair (reported last month as pending expenditure).

Mrs. Linderman inquired about potential reimbursement from FEMA for COVID-19 expenditures and if these expenditures were being tracked. Mrs. McCalla reported on information received from FEMA on tracking allowable expenses, which the business office is tracking. She noted that because they are a regional school district these expenditures do not have to go through the towns.

#### **V. Educational Presentation**

##### **1. PreK Expansion – First Year Update**

Noah Ventola, Assistant Principal of LOLMS, provided an update on the first year of the expanded PreK program. His report included the philosophy, goals and background information of the program; student and staff population; the curriculum; daily schedule; specials instruction; communication and emergency preparedness; distance learning; and community feedback on distance learning. A copy of Mr. Ventola's presentation is attached to these minutes for informational purposes.

Mr. Ventola commended Melissa Dougherty, Director of Special Services, for her support and assistance with this program.

#### **VI. Chairman & Board Report**

Mrs. Linderman commended the teaching staff for their efforts during these extraordinary times, both educationally and for meeting the social and emotional needs of the students.

Mrs. Linderman reviewed a report entitled *Coronavirus COVID-19: Considerations for Reopening Schools* developed by McKinsey & Company. This document is intended to provide insights and best practices during the pandemic and decisions to be made in order to reopen schools in the fall. Follow-up discussion centered on the development of decisions for the fall. Mr. Neviasser reported that the State Department of Education Task Force will provide recommendations over the summer and that the district will be looking to the State for general guidance for reopening school and will make adaptations based on their guidance.

Mrs. Linderman discussed the importance of sharing ideas with other districts and the state. She will provide the link to CAGE's *Friday updates* with the Board membership.

## **VII. New Business**

### **1. Approval of 2020-2021 School Budget**

Due to an executive order by Governor Lamont, the district's referendum that is normally held annually on the first Tuesday in May was cancelled due to the pandemic. The executive order allows the district's Board of Education to formally adopt the budget for the 2020-2021 school year.

Mr. Neviasser provided an update to the proposed budget, which now reflected a decrease of 1.06% due to additional savings in various areas of the budget over the course of the school year and the closing of schools, for a total budget of \$34,711,631, which is \$373,127 less than the current year's budget. Mr. Neviasser reviewed the impact of this decrease to the Towns of Lyme and Old Lyme (neither town will see an increase; Old Lyme's share will remain unchanged from current year; Lyme will see a decrease of 3.1%). A copy of this impact in more detail is attached to these minutes for informational purposes. Mr. Neviasser reported that this is the lowest budget (negative) increase in the district's history.

**MOTION:** Mrs. Wilczynski made a motion, which was seconded by Dr. Goulding, to approve the District's fiscal year 2020-2021 budget.

Follow-up discussion included the unknown costs (needs and new students) related to special education expenditures for next year; the status of the Chinese student exchange program that was being planned and the unknowns of international travel that would affect this program with ACES (funds would go into surplus if not used and returned to the towns); and incorrect reporting of the budget decrease/detail in several local news articles. Mr. Neviasser recommended the public refer to the district's website for the most accurate information on the budget for 2020-2021 ([region18.org/district-information/budget-2020-2021](http://region18.org/district-information/budget-2020-2021)).

**VOTE:** the Board voted unanimously in favor of the motion to approve the District's fiscal year 2020-2021 budget.

## 2. Rescinding of Nonrenewals

Based on the Board's approval of the 2020-2021 budget, Mr. Neviaser asked the Board to formally rescind the non-renewals of staff members, which will allow the administration to make staff appointments for next year and finalize scheduling and placements.

Mrs. Wilczynski made a motion, which was seconded by Mrs. Shoemaker, that pursuant to Connecticut General Statutes Section 10-151, the Region 18 Board of Education rescind the nonrenewal of the teacher contracts of the non-tenured teachers as noted on the document provided by the Superintendent and that the Superintendent of Schools is directed to advise such person(s) in writing of this action.

VOTE: the Board voted in favor of the motion; Dr. Goulding abstained from voting. Motion passed with a vote of eight in favor and one abstention.

## 3. LOLMS Waterproofing Project

The following background information was presented on this agenda item by Ron Turner, Director of Facilities and Technology: periodically, the masonry surface of the Middle School building requires resealing. This process involves cleaning and applying a penetrating water repellant to the surface. This work was advertised through an open bidding process, and three proposals were received.

### Proposals:

M. Brett Painting	\$ 16,750.00
Noble Construction	\$225,000.00
Tech Painting Company	\$177,000.00

### Recommendations:

- M. Brett Painting was the lowest bidder, and they have performed work for the district with a proven positive track record.
- M. Brett Painting was the only bidder who completed a site visit prior to submitting the bid.
- A follow-up interview with M. Brett confirmed that the bid amount represents the work that is expected for this project.
- Recommended contract award is in the anticipated range and within the approved facilities budget.
- This project is slated to begin in the next fiscal year, and the monies are allocated in the 20/21 FY budget.

Mr. Turner speculated on the discrepancy in the bids received: he noted that Mark Brett was the only bidder to walk the Middle School property, and one other company that he reached out to voiced their inability to rent the proper equipment at a cost comparable to the lowest bid.

Mr. Neviaser recommended that surplus monies from the current year's budget be used for this project, which would allow M. Brett Painting to start the job now (vs. July 1) and because of the many unknowns

for next year's budget. The Board was amenable to this recommendation. Other facilities projects to be considered under this year's budget will be discussed under the Facilities Committee report.

**MOTION:** Mrs. Miller made a motion, which was seconded by Dr. Powell St. Louis, to approve the contract award to M. Brett Painting for the value of \$16,750.00 for waterproofing the exterior Middle School split faced cement block.

It was noted that the budgeted amount for this job was \$20,000.

**VOTE:** the Board voted unanimously in favor of the motion.

### **VIII. Old Business**

#### **1. Closing of LOLHS Project**

The district is still waiting for the final change order from the State so there is no action required on this agenda item.

#### **2. Report of Committees:**

- a. *Facilities.* Dr. Goulding reported that this committee met earlier in the evening and toured the main campus athletic fields. Because they have not been utilized and due to the wet spring, the field are in great shape. Dr. Goulding reported that the high school gym floor needs resurfacing due to water damage. Due to the pandemic, the committee is discussing tackling facilities projects now vs. later. There is a possibility that the gym floor project will be brought to the Board at the June meeting.  
Dr. Goulding updated the Board on the tennis court repairs. The second set of courts, initially to be funded in next year's budget, was moved to this year's budget. Date for completion is late July.
- b. *Finance.* No report.
- c. *Communications.* Mrs. Thompson reported that the committee approved the job description for the Director of Communications and Marketing position, which is now posted.
- d. *Policy.* No report.
- e. *LEARN.* Mrs. Linderman reported that most of the conversation as their last meeting revolved around the pandemic and school shutdown.
- f. *LOL Prevention Coalition.* Mrs. Shoemaker reported that Heather Congdon, Prevention Coordinator, will be leaving on May 13 to take another position. The search for her replacement will be forthcoming.
- g. *Sustainability Committee.* Mrs. Miller gave an update on this committee's meeting of April 28. All workstreams have met on their own and drafting initial plans. There will be student involvement on this committee. Mrs. Miller referred to a PowerPoint presentation developed by committee member Rebecca Waldo entitled *100% Clean Energy Commitment* with the goal that the district make a commitment to a sustainable future. She noted that this document should be stamped *working document*. A copy of this document is attached to these minutes for



informational purposes. Mrs. Miller stated that future reports will delve more deeply on what this would look like for Lyme-Old Lyme specifically.

**IX. Correspondence**

There was no correspondence to report.

**X. Executive Session**

Mr. Wilson made a motion, which was seconded by Mrs. Shoemaker, to move into executive session for the purpose of discussing the superintendent's evaluation. Mr. Neviasher was invited to attend the executive session.

Mr. Neviasher explained the particulars of the executive session which would be held virtually via Zoom.

**XI. Adjournment**

The regular meeting adjourned at 7:59 p.m. upon a motion by Dr. Goulding and a second by Mrs. Wilczynski.

Respectfully submitted,

Steven Wilson, Secretary

# Pre-K Expansion Update

Board of Education  
May 6, 2020

## Philosophy and Goals

As a program, we believe that children learn best through active participation in a variety of developmentally appropriate experiences in a physically and emotionally safe environment. Families are our partners in the education of our students.

In working with our students, we strive to:

- Facilitate cognitive and language development through play
- Promote physical development and appropriate social skills
- Nurture positive lifestyle choices



## Background

Prior to the expansion,

- The Pre-K program was a peer-model Special Education program that serviced 3- and 4- year-old children
- Typical peers were admitted through a lottery system

With the expansion,

- All 4-year-old students are guaranteed enrollment
- The 3-year-old program continues to be a peer-model program with typical peers chosen through a lottery



## Expanded Pre-K Program at a Glance

### Pre-K Students

- 27 3 year-old students
  - One AM and one PM section
- 60 4 year-old students
  - Four full-day sections

[Family Handbook](#)

### Pre-K Staff

- Five classroom teachers
- 10 Instructional Assistants
- Related services\*
  - .2 FTE School Psychologist, OT, PT, Nurse, and SLP
- Specials\*
  - Music, Physical Education Library, Motor Group, and Art



## Curriculum

Instruction is guided by the Connecticut Early Learning and Development Standards.

- [CT ELDS](#)

Based on the ELDS, the Pre-K faculty has developed thematic units of study that include:

- Shapes, colors, numbers, seasons, and citizenship
- Bridges Math and early literacy skills
- Extensive play-based teaching and learning opportunities

[Pre-K 19-20 year at a glance](#)



## Daily Schedule

### Morning

8:40 - 8:50 Arrival  
 9:00 - Organization of personal belongings  
 9:15 - STEM activity  
 9:30 - Morning meeting  
 10:15 - Snack  
 10:30 - Centers  
 11:00 - Specials

### Afternoon

11:45 - Lunch and recess  
 12:15 - Yoga, rest period, enrichment activities  
 1:00 - Afternoon meeting  
 1:30 - Centers  
 2:15 - Snack  
 2:30 - Outdoor activity  
 2:50 - Departure

\*\*Before and after care is provided by Valley Shore YMCA



## Specials

Pre-K students have a 35-minute Specials five times per week.

- Art
- Music
- Library
- Physical Education
- Motor Group
- [Detailed daily Specials schedule](#)

Instruction is provided by a dedicated group that includes elementary, middle, and high school teachers.



## Communication and Drills

To ensure an effective partnership with our families, our Pre-K faculty regularly communicates with parents.

- Weekly newsletters
- Email exchanges and conversations
- Parent-teacher conferences (formal and informal)
- Special Education PPTs and evaluations

To prepare for emergency situations, we run a variety of drills with our Pre-K students to make sure all our students know what to do in case of an emergency.



## Pre-K Distance Learning

During the COVID-19 shutdown, our Pre-K faculty continues to provide high-quality instruction to our students. Specifically, the faculty:

- Meets via Google Meets with individual students and small groups
- Records read-alouds which are posted to their [private YouTube channel](#)
- Provides weekly distance learning materials
  - [Sample distance learning packet](#)
- Works with their "room moms" to organize virtual playdates

## Community Feedback - Distance Learning

- The activities provided are fun. We are not attempting to fully keep to the weekly schedule and the messaging from the teacher that this is not the expectation is reassuring. It is helpful to have ideas for things to do during the day...
- We have had an online meeting with teachers and classmates. I hope we can continue doing that on a regular basis - I think it helps our children stay connected while they are not attending school in person
- We're very happy with how things are going.
- Very happy with Old Lyme Schools response to this situation. The team has been very helpful, professional and supportive.
- [Our teacher] has provided numerous resources as well as support that has been above and beyond. We our child is well equipped to learn at home. Thank you for all you have done so far! We miss school!
- The Pre-K program in my opinion has been very supportive and available during this transition. A variety of learning mediums have been provided and I am pleased with the resources offered and have also supplemented on my own in an attempt to fill days with meaningful learning experiences.
- We have been very happy with the amount of communication, the resources and support we are receiving during this time. We feel extremely fortunate for our teachers and the district as a whole.
- The emails from Pre K teachers are perfect. Communication is very good and not at all overwhelming
- The communication thus far between the teacher and home has been amazing. The resources provided have helped me supplement daily lessons with both my pre-K and Kindergarten student.

# Impact to Towns

		<u>Lyme</u>	<u>Old Lyme</u>
<b>Student Census</b>			
October 1, 2019	1,297	244	1,053
April 1, 2020	1,308	<u>246</u>	<u>1,062</u>
Average	1,303	245	1,058
Percent of total census for billing		18.8%	81.2%

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<b>2020 - 2021 Total Budget</b>	34,711,631	18.8%	81.2%
Less: Estimated Receipts	<u>(131,664)</u>		
Subtotal	34,579,967	6,501,034	28,078,933
Less: Refund of 06/30/19 Fund Balance	(647,155)	(124,901)	(522,254)
Net Billings to Towns	33,932,812	6,376,133	27,556,679

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<b>2019-2020 Total Budget</b>	35,084,758	19.3%	80.7%
Less: Estimated Receipts	<u>(144,446)</u>		
Subtotal	34,940,312	6,743,480	28,196,832
Less: Refund of 06/30/18 Fund Balance	<u>(804,212)</u>	<u>(164,059)</u>	<u>(640,153)</u>
Net Billings to Towns	34,136,100	6,579,421	27,556,679

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<b>IMPACT</b>			
Net Billings to Towns	(203,288)	(203,288)	0
2020-2021 minus 2019-2020 net billings	(0.6)%	(3.1)%	0.0%



100% CLEAN ENERGY COMMITMENT

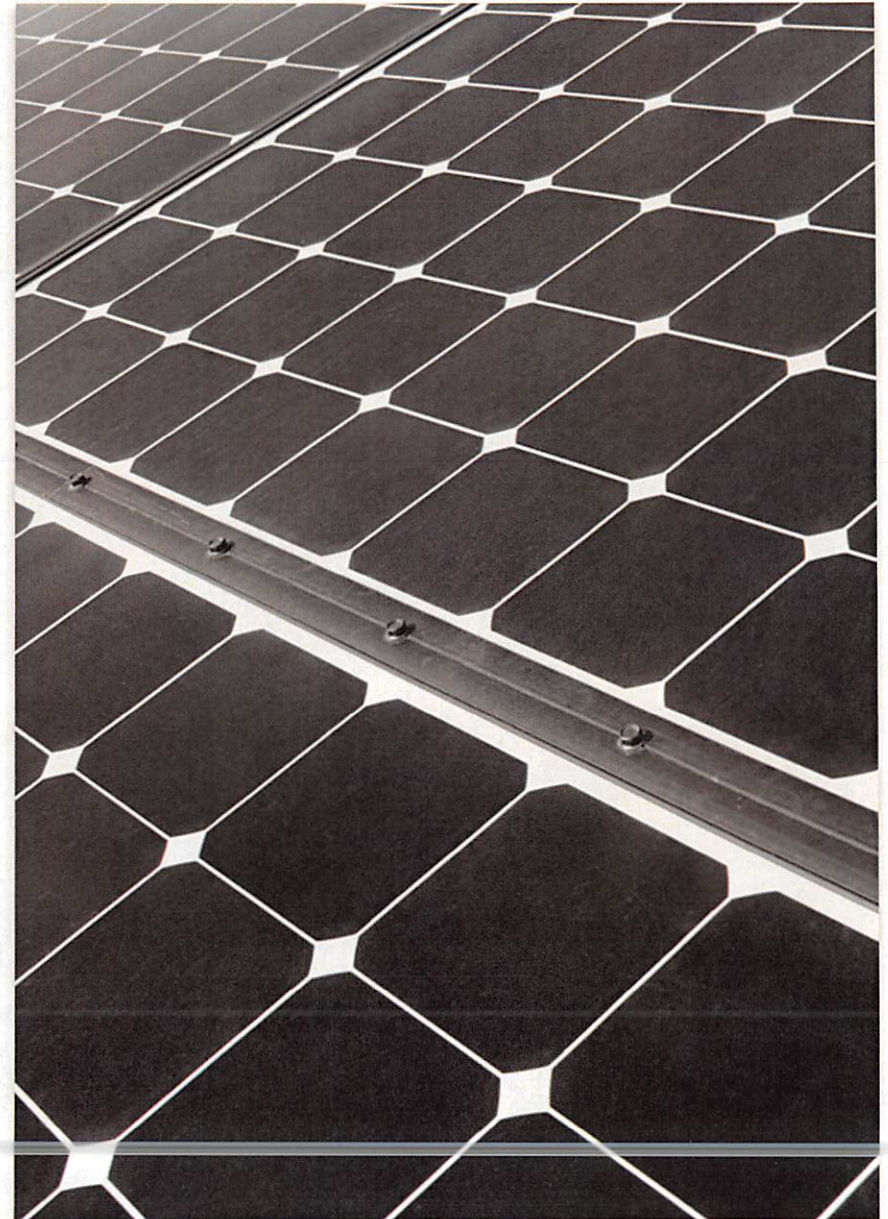
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**SUSTAINABLE COMMITTEE**  
**REGION 18**



## TRANSITION TO CLEAN ENERGY

- ▶ Clear skies revealed before/after photos and satellite imagery show human impact on air, water, lands
- ▶ Learn from lessons - NOT business as usual
- ▶ Policy makers plan for lasting infrastructure change towards net zero emissions in all energy sectors
- ▶ Region 18 is in a good position to take leadership position



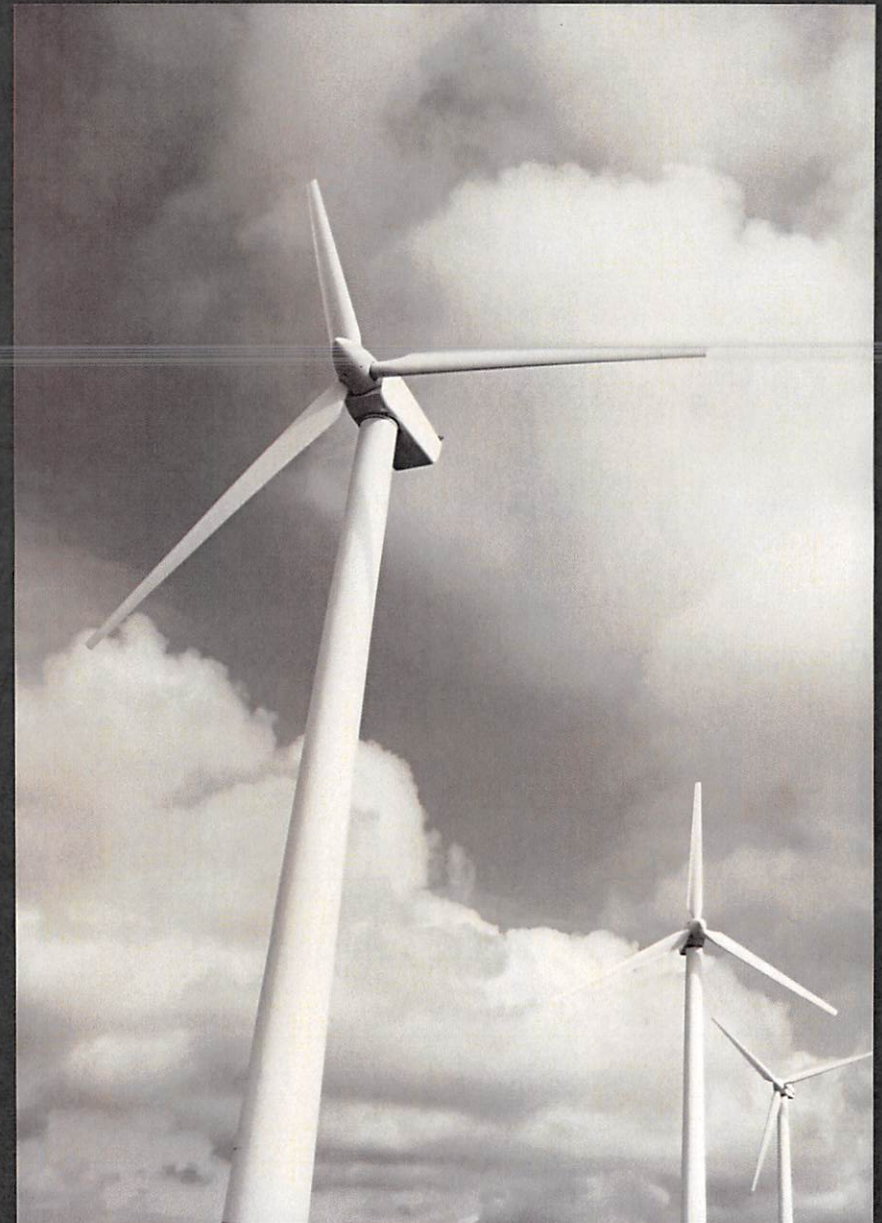


## REGION 18 - COMMIT TO 100% CLEAN ENERGY

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### MAKE A COMMITMENT TO A SUSTAINABLE FUTURE

- ▶ Financial Benefits - Energy efficiency saves money 29% cost reduction
- ▶ Social, Environmental, Cultural benefits - a commitment creates a path for a holistic equitable transition to a sustainable future for our kids
- ▶ Already in budget 5 year plan for upgrading HVAC with air source heat pumps that run on electric MS, CS, Lyme, MC (NOT HS)
- ▶ Already made improvements in lighting
- ▶ Already offset electricity with 31% solar energy
- ▶ Already improve energy efficiency with mechanical controls





## PASS 100% CLEAN ENERGY RESOLUTION

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- ▶ The goal of a 100% allows us to fully plan for rather than incremental change that we may or may not achieve in the time frame scientists across the world have established
- ▶ Positive publicity - Let's be the First school district in CT to commit to 100% - Leader for other communities - Pave the way for other communities and support others.
- ▶ Capitalize on solidarity lesson from coronavirus. Same policy and action for climate change.
- ▶ Students, teachers - inspired, motivated - as facilities and academics move towards new energy paradigm



A high-angle, wide shot of a massive concrete dam. The dam's surface is composed of large, rectangular concrete panels with visible vertical joints and some weathering. A single person is walking along the top edge of the dam, providing a sense of scale. The background is a clear, bright sky.

EMISSIONS

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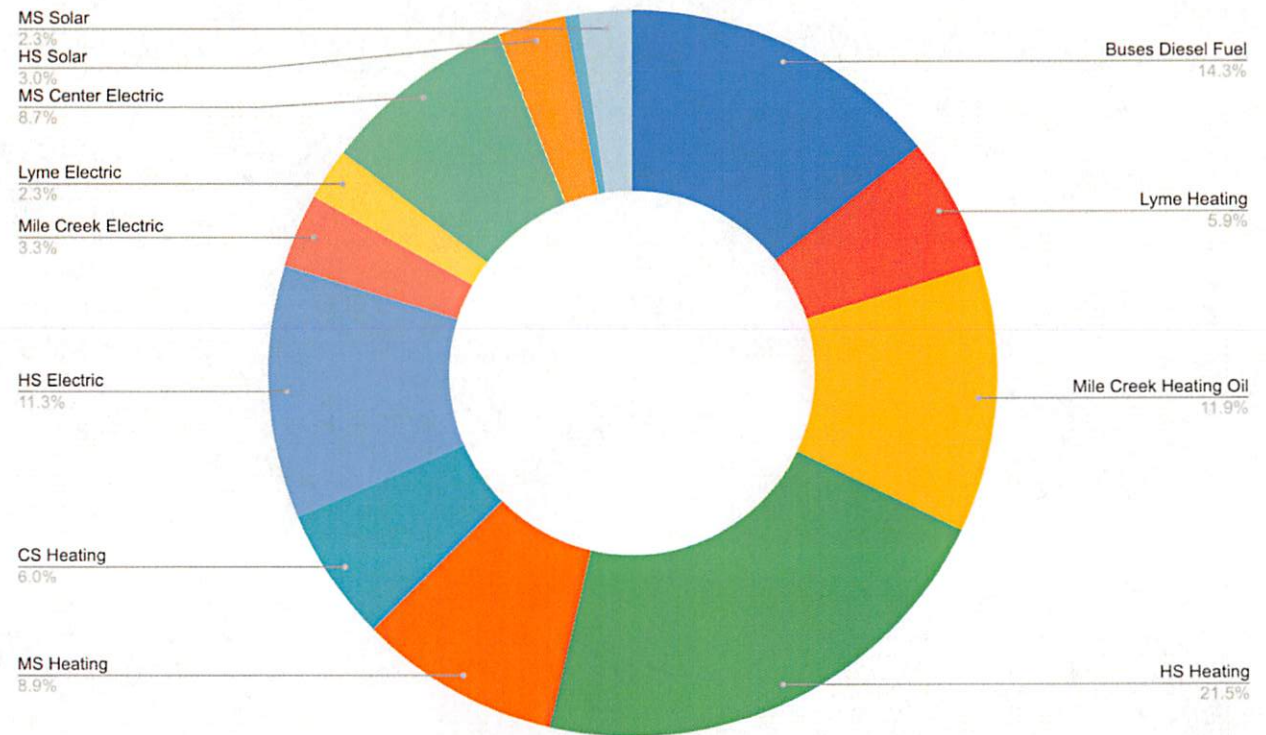
**ARE CREATED FROM BURNING FOSSIL FUELS  
FOR ENERGY**



# A SUSTAINABLE FUTURE IS ELECTRIC - POWERED BY 100% CLEAN ENERGY

## ENERGY SECTORS

- ▶ Transportation
- ▶ Buildings
- ▶ Electricity
- ▶ Cooking



2018-2019 Energy Profile Data for Region 18  
6% Clean Energy

## HOW TO CRAFT A 100% CLEAN ENERGY RESOLUTION THE BOE WILL VOTE FOR

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- ▶ 100% electricity 2030?
- ▶ 100% heating and cooling and cooking 2030?
- ▶ 100% transportation 2030?
- ▶ Do we change dates?
- ▶ Can we put a resolution to vote this year?
- ▶ How do we make sure 100% clean energy commitment is included in 5 year strategic plan that is being developed summer 2020?

## **PATHWAY TO ELECTRIC SCHOOL BUSES**

- ▶ Opportunity to apply for grants as sole entity or collaborative with Clean Cities Coalition that includes 23 other towns in CT - 3 use M&J
  - ▶ Grant pays for cost of regular school bus to full cost of electric school bus.
  - ▶ DEEP grant opens in June, Additional funding from CT Green Bank, CT Dera Reduction and DERA
  - ▶ Procurement through M&J on a plan for one or two electric school buses.
  - ▶ Work with Town of Old Lyme Public works
  - ▶ Plan new technology opportunities at Bus Depot for charging infrastructure, solar offset, vehicle to grid, battery storage, load management
-



### UPGRADE ALL HVAC SYSTEMS

- ▶ Geothermal or Air Source Heat Pumps
- ▶ Energy source is Electricity
- ▶ MS, CS, Mile Creek, Lyme School already in Budget
- ▶ Engineering study budgeted for 2021/22
- ▶ Include in large spaces such as gym, auditoriums, open area in HS
- ▶ Any replacements from now until then are electric
- ▶



## TRANSITION TO 100% CLEAN ENERGY WILL INCREASE ELECTRIC USAGE

- ▶ Onsite solar - Power Purchase Agreement (PPA) - no capital cost  
limited space to offset complete usage
  - ▶ Build solar farm Old Lyme Landfill with Virtual Net Metering - PPA
  - ▶ Shared Solar/Community Solar pay per kWh some companies  
guaranteed 10% savings
  - ▶ Energy Storage
  - ▶ Region 18 Electric Usage 3,346,022 kWh 2009-10 : 2,718,867  
kWh 2018-19
-

## OPPORTUNITIES TO LEARN MORE

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### VIRTUAL EVENTS

- ▶ US Green Building Council Center for Green Schools  
4.30.20 1pm EST K-12 Energy Resiliency: Solar+Storage & MicroGrids
- ▶ Electric School Bus Event scheduled June 2020 - CT Clean Cities Coalition



5.06.2020

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## REFERENCES

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