

**GROTON BOARD OF EDUCATION  
COMMITTEE OF THE WHOLE MEETING MINUTES  
MARCH 18, 2024 @ 6:00 P.M.  
CENTRAL OFFICE, ROOM 11**

**MEMBERS PRESENT:** Jay Weitlauf - Chairperson, Beverly Washington – Vice Chairperson (remote), Andrea Ackerman (remote), Dean Antipas, Adrian Johnson, Matthew Shulman, Ian Thomas, Jennifer White

**MEMBERS ABSENT:** Robert Meade

**ALSO PRESENT:** Susan Austin, Phil Piazza, Sam Kilpatrick, Clint Kennedy, Rick Norris, Kenneth Linsley, Eric Oberg

I. CALL TO ORDER – Mr. Jay Weitlauf, Chairperson called the meeting to order at 6:02 p.m.

II. REVIEW OF THE NOVEMBER 20, 2023, MEETING MINUTES

MOTION: Johnson, Shulman: To approve the minutes of November 20, 2023.  
YES – Weitlauf, Washington, Ackerman, Antipas, Shulman  
ABSTAINED – Johnson, Thomas, White  
PASSED

III. REVIEW OF THE MARCH 11, 2023, MEETING MINUTES

MOTION: Shulman, White: To approve the minutes of March 11, 2023.  
YES – Weitlauf, Washington, Ackerman, Johnson, Shulman, Thomas, White  
ABSTAINED - Antipas  
PASSED

IV. DISCUSSION RE: GRADUATION DATE (181<sup>ST</sup> DAY IS JUNE 13, 2024)

Superintendent Austin explained that parents and students are anxious about graduation and the last day of school. She stated that the 181<sup>st</sup> day of school is June 13, 2024; therefore, she is proposing a graduation date of June 14, 2024. Superintendent Austin noted that a formal vote will be taken at the Regular Board of Education meeting on March 25, 2024.

V. DISCUSSION RE: RECORDING OF BOE COMMITTEE MEETINGS

Ian Thomas gave the reason for including Committee meetings on YouTube. Board members concurred with the reasons presented by Mr. Thomas. Board members also raised concerns about the cost of staff time for the recording of meetings and the uploading onto YouTube. The Board suggested that the Administration should come up with various options for Board consideration.

Mr. Weitlauf stated that the Communications Committee scheduled for next week is cancelled.

VI. FINANCE UPDATE

- FY23 Closeout – Mr. Fleig gave an overview of the FY23 Closeout noting that they have completed all reconciliations and sent all documentations and sent the data to the auditors and the Town.
- FY24 Budget – Mr. Fleig gave an overview of the Property Costs (ATTACHMENT #1); Mr. Fleig noted that the Town has agreed to help pay for the deductible regarding the MRMS Insurance Claim (Water – Bottle Filler) and Excess Revenue (ATTACHMENT #2) – Mr. Fleig gave an overview of the Excess Revenue.
- FY24 Estimate – Mr. Fleig noted that he has researched 2 out of 3 Software Companies. Mr. Fleig suggested a demonstration of the various software at a COW meeting.

VII. FACILITIES UPDATE

- CB Roof (ATTACHMENT #3) – Mr. Ken Lindsey, (solar), Siver-Petrucelli & Associates, and Mr. Eric Oberg, Project Director; CSW Energy, gave an overview of the CB roof project.
- CIPs – Mr. Kilpatrick noted that the Planning Commission stated that of the 7 CIPs submitted there as only 1 that the district was able to discuss – FHS Auditorium project. This is the only one the Town Manager put forth. Superintendent Austin noted that we want to go for the HVAC grant and will inform the Town to ensure their support.

VIII. REVIEW REFERRAL TRACKING SHEET

- Mr. Shulman noted the current student cell phone use during instructional time will be reviewed in April by the Policy Committee.
- Mr. Thomas noted discussion of now lapsing funds by the Finance/Facilities Committee.
- Mr. Antipas noted the purchase of vans i.e. electric vans.
- Mrs. White asked about the reviewing of insurance for staff. Superintendent Austin stated that Mrs. LePine and Mr. Fleig are viewing this item presently and once complete she will bring it to the COW.
- Mrs. White asked Mr. Thomas about his suggestion regarding the budget cycle. Mr. Thomas noted that at a prior meeting he suggested the development of an Ad Hoc Committee to review a budget procedure cycle with a start and ending date.
- Mr. Thomas noted that the Athletic Field Committee had a request for the release of the blueprint for the Field House. Superintendent Austin noted that the district paid for the architectural plans and will release it.

XI. ADJOURNMENT

MOTION: Ackerman, Johnson:

To adjourn at 8:08 p.m.

PASSED UNANIMOUSLY

Groton Public Schools  
 Property Cost Information  
 3.7.24

| Property:  | Object<br>Code | Claim<br>Filed | Total<br>Estimate | Check #'s               |
|--|----------------|----------------|-------------------|-------------------------|
| Mystic River Insurance Claim (Water - Bottle Filler) | 331            | 8/4/2023       | \$ 53,691.03      | 427017 & 427268         |
| Mystic River (Water - Nurse/Admin Area)              | 331            | BOE Paid       | \$ 4,475.48       | 427268                  |
| Mystic River Transformer Replacement                 | 655            | BOE Paid       | \$ 3,486.42       | 427281                  |
| Mystic River Chain Link Fencing                      | 431            | BOE Paid       | \$ 5,000.00       | 427530                  |
| Fitch Insurance Claim (Water)                        | 331            | 10/3/2023      | \$ 73,971.40      | 427017                  |
| Fitch Water Issue #2                                 | 331            | BOE Paid       | \$ 7,615.00       | 427600                  |
| Fitch HVAC Lines                                     | 434            | BOE Paid       | \$ 543.87         | 427039                  |
| Fitch Water Heater                                   | 654            | BOE Est        | \$ 71,998.31      | PO Only                 |
| Fitch Fieldhouse Lift (ADA Compliant)                | 736            | BOE Paid       | \$ 7,177.00       | 426468                  |
| GMS Generator (Fix) + Cost of Short term Rental      | 441            | BOE Paid       | \$ 8,108.62       | 427451, 427299 & 427503 |
| Maintenance Truck & Plow                             |                | 2/8/2024       | \$ 50,000.00      |                         |
| Cyber Attack   | 331            | BOE Est        | \$ 100,000.00     | PO Only                 |
| Total Estimated Costs                                |                |                | \$ 386,067.13     |                         |

## FY24 Revenue - Budget vs. Estimate

| Revenue Source                                 | Budget                |            | April 1st               |            |
|--|-----------------------|------------|-------------------------|------------|
|  | Budget<br>FY2023-2024 |            | Estimate<br>FY2023-2024 |            |
| <b>Federal</b>                                 |                       |            |                         |            |
| Impact Aid                                     | 4,094,300             | 5%         | 4,433,835               | 5%         |
| Medicaid                                       | 192,100               | 0%         | 122,450                 | 0%         |
| <b>Total Federal</b>                           | <b>4,286,400</b>      | <b>5%</b>  | <b>4,556,285</b>        | <b>6%</b>  |
| <b>State</b>                                   |                       |            |                         |            |
| Education Cost Sharing (ECS)                   | 25,040,045            | 31%        | 25,040,044              | 31%        |
| SPED Excess Cost                               | 1,193,440             | 1%         | 1,050,539               | 1%         |
| Magnet School Transportation                   | 143,000               | 0%         | 126,100                 | 0%         |
| Adult Education                                | 116,100               | 0%         | 84,277                  | 0%         |
| Nonpublic Health Services                      | 26,400                | 0%         | 26,872                  | 0%         |
| <b>Total State</b>                             | <b>26,518,985</b>     | <b>33%</b> | <b>26,327,832</b>       | <b>32%</b> |
| <b>Federal &amp; State Totals</b>              | 30,805,385            |            | 30,884,117              |            |
| <b>Prior Year Impact Funds - Town Received</b> | -                     |            | 138,000                 |            |
|  | 30,805,385            |            | 31,022,117              |            |
| <b>"Excess" Revenue</b>                        |                       |            | <b>216,732</b>          |            |

# GROTON PUBLIC SCHOOLS ROOF REPLACEMENT & PV PROJECT

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Town Meeting  
March 18, 2024



# GROTON PUBLIC SCHOOLS ROOF REPLACEMENT & PV PROJECT

## Charles Barnum Magnet School

30,600 sf

Roof Replacement

PV Panels



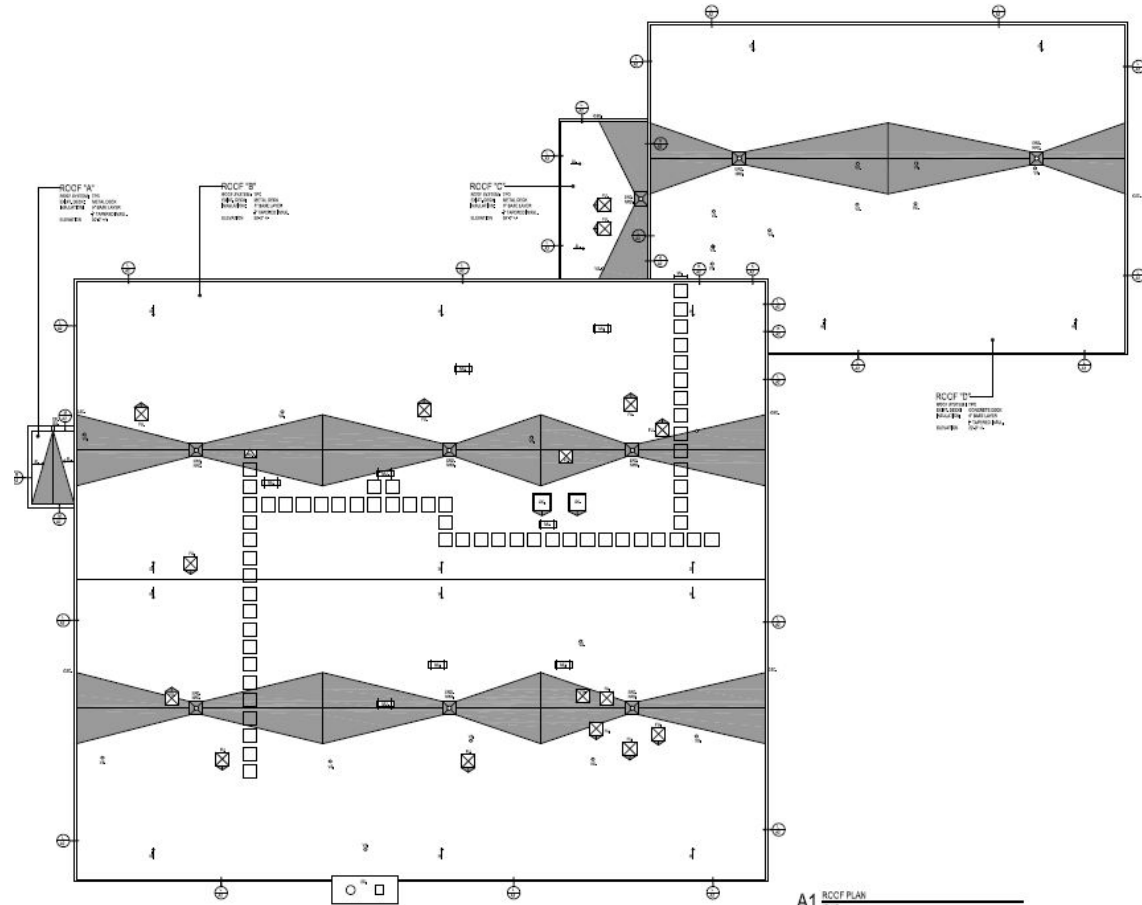
## Charles Barnum Magnet School

### Roof Replacement Scope

- The project consists of 30,600 sf of re-roofing that encompasses the entire facility.
- Demolition the existing EPDM roof & insulation down to the existing deck
- Install a new roofing system that consists of 5" polyiso insulation, ¼" tapered insulation, coverboard & TPO membrane, with 20-year NDL warranty & 30- year NDL bid alternate
- Install new metal fascias and flashing
- Install new primary & secondary roof drains
- Replacement of the existing roof hatch and new safety equipment
- New fall protection skylights
- New roof access ladders
- New mechanical unit supports

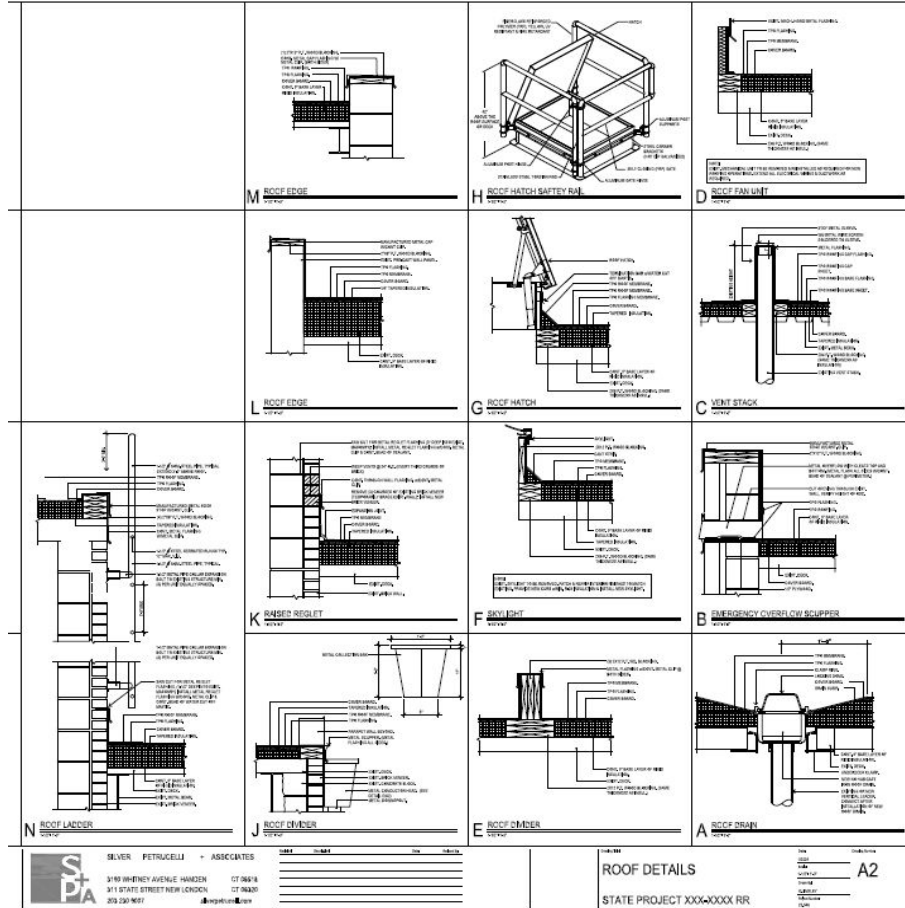


# PROJECT SCOPE – CHARLES BARNUM MAGNET SCHOOL - ReROOF

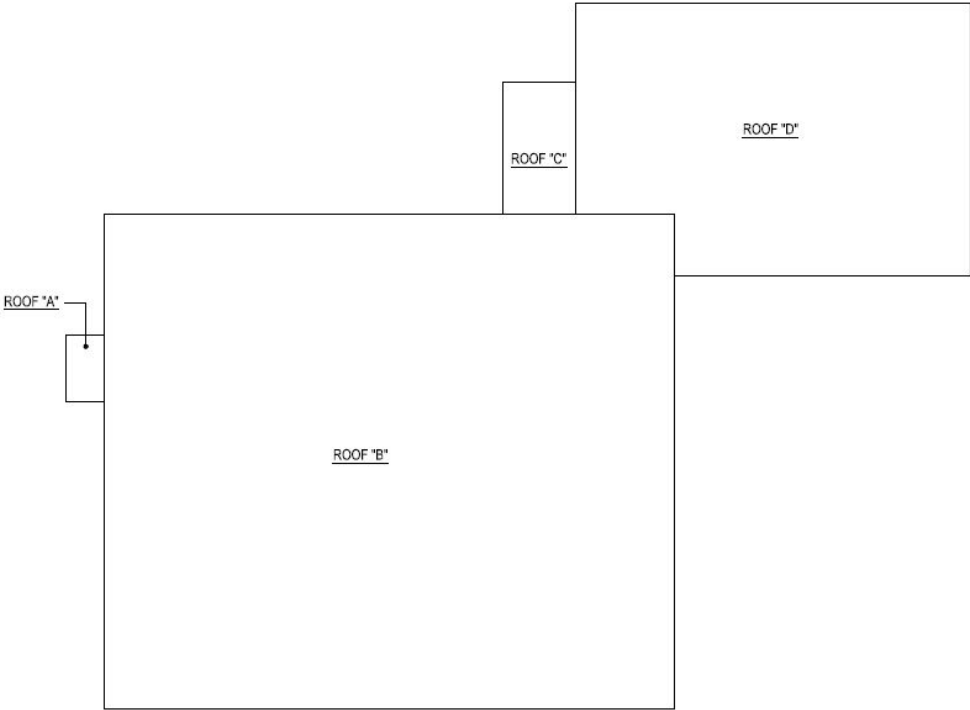




# PROJECT SCOPE – CHARLES BARNUM MAGNET SCHOOL - ReRoof



# CHARLES BARNUM MAGNET SCHOOL – PROPOSED PV PANEL LOCATION



1 ROOF INFORMATION LEGEND  
SCALE: NONE



**CSW ENERGY**

**Groton Public Schools  
Dr. Charles G. Barnum School**

# **DAS OSCG&R Project**

68 Briar Hill Rd, Groton, CT 06340



1

## Project Overview

### Project Example







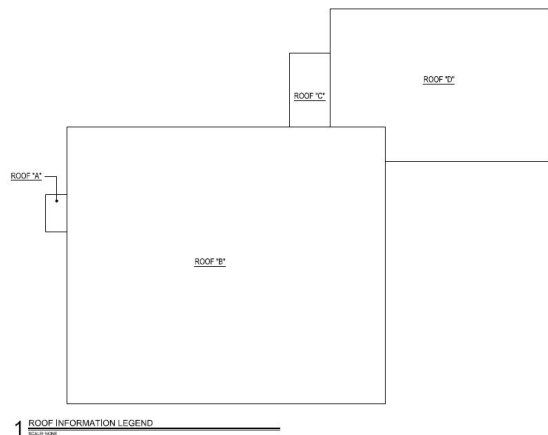
### Project Totals

|                         | System A     | System B     | Total   |
|-------------------------|--------------|--------------|---------|
| Utility Meter Number    | KZD053112295 | B7D061937270 | N/A     |
| Project Size (kWdc)     | 129.8        | 63.8         | 193.6   |
| Year 1 Production (kWh) | 155,883      | 76,581       | 232,464 |

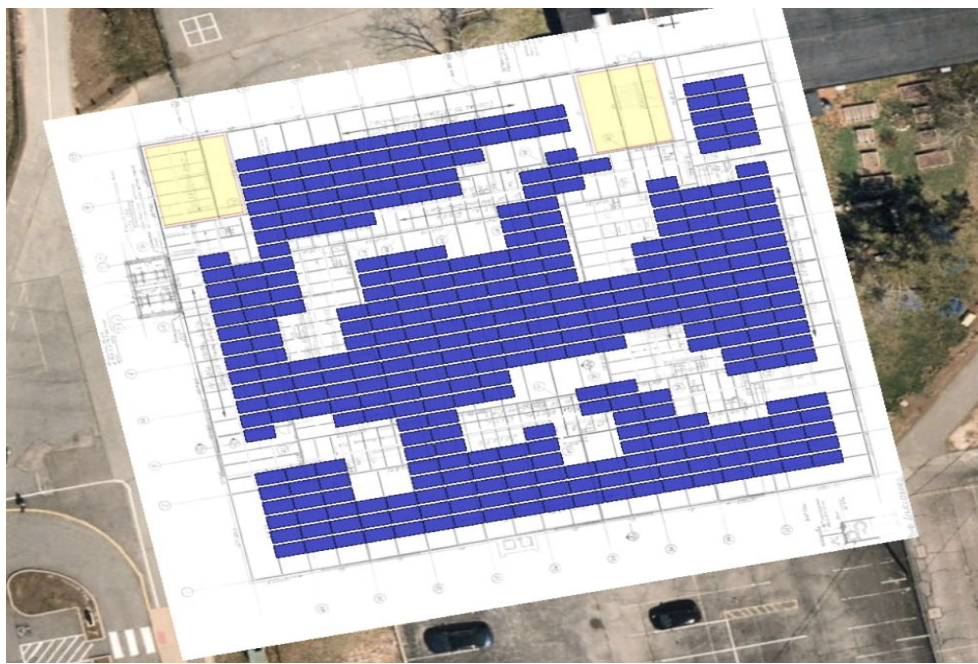
- The school has two utility meters
- Solar is split into two systems, each dedicated to a meter
- This approach minimizes export of power

# Project Overview

## System Layout



*\*Equipment specs subject to change. Project Manual will contain an approved vendor list*



### Structural Capacity

- Roof B: 6 psf
- Roof D: 0 PSF

### Module Details\*

- Type: Trina 550W
- Quantity: 352

### Inverter Details\*

- Type: SMA CORE1 50-US
- Quantity: 3

## Groton Public Utilities Solar Overview



- No Net Metering capability
  - Excess energy is not applied as a kWh credit for later use
- Energy consumed at time of production is an avoided cost
- Energy exported is sold at Groton Utilities' Purchased Power Adjustment Rate (PPAR)
  - Year 1 PPAR: \$0.035/kWh
  - The PPAR is based on ISO-NE market rates
- No participation in the state incentive program (NRES, Non-Residential Renewable Energy Solutions)

# 3 Project Overview Savings Analysis<sup>1</sup>

## Overview

Total Project Cost: \$698,250

DAS Reimbursement: 59.29%

IRA Direct Pay: 30%

IRR: 13%

Payback Period: 4.03 Years

## Energy Costs

Utility Rate (\$/kWh): \$0.11373

Export Rate (\$/kWh): \$0.03500

Forecasted Escalation Rate: 3%

| Year | Production (kWh) | Consumed (kWh) | Exported (kWh) | Build Cost | Avoided Cost | Energy Sale Revenue | DAS Reimb. | IRA Direct Pay | Annual Cash Flow | Cumulative Cash Flow |
|------|------------------|----------------|----------------|------------|--------------|---------------------|------------|----------------|------------------|----------------------|
| 0    |                  |                |                | -\$698,250 |              |                     |            |                | -\$698,250       | -\$698,250           |
| 1    | 232,464          | 123,485        | 108,979        |            | \$14,044     | \$3,814             | \$413,992  | \$209,475      | \$641,326        | -\$56,924            |
| 2    | 231,302          | 122,868        | 108,434        |            | \$14,393     | \$3,909             |            |                | \$18,302         | -\$38,622            |
| 3    | 230,145          | 122,253        | 107,892        |            | \$14,751     | \$4,006             |            |                | \$18,757         | -\$19,866            |
| 4    | 228,994          | 121,642        | 107,352        |            | \$15,117     | \$4,106             |            |                | \$19,223         | -\$643               |
| 5    | 227,849          | 121,034        | 106,816        |            | \$15,493     | \$4,208             |            |                | \$19,701         | \$19,058             |
| 6    | 226,710          | 120,429        | 106,282        |            | \$15,878     | \$4,312             |            |                | \$20,190         | \$39,248             |
| 7    | 225,577          | 119,826        | 105,750        |            | \$16,272     | \$4,419             |            |                | \$20,692         | \$59,940             |
| 8    | 224,449          | 119,227        | 105,221        |            | \$16,677     | \$4,529             |            |                | \$21,206         | \$81,146             |
| 9    | 223,327          | 118,631        | 104,695        |            | \$17,091     | \$4,642             |            |                | \$21,733         | \$102,879            |
| 10   | 222,210          | 118,038        | 104,172        |            | \$17,516     | \$4,757             |            |                | \$22,273         | \$125,152            |
| 11   | 221,099          | 117,448        | 103,651        |            | \$17,951     | \$4,875             |            |                | \$22,827         | \$147,979            |
| 12   | 219,993          | 116,861        | 103,133        |            | \$18,397     | \$4,997             |            |                | \$23,394         | \$171,373            |
| 13   | 218,893          | 116,276        | 102,617        |            | \$18,854     | \$5,121             |            |                | \$23,975         | \$195,348            |
| 14   | 217,799          | 115,695        | 102,104        |            | \$19,323     | \$5,248             |            |                | \$24,571         | \$219,919            |
| 15   | 216,710          | 115,116        | 101,594        |            | \$19,803     | \$5,378             |            |                | \$25,182         | \$245,100            |
| 16   | 215,626          | 114,541        | 101,086        |            | \$20,295     | \$5,512             |            |                | \$25,807         | \$270,908            |
| 17   | 214,548          | 113,968        | 100,580        |            | \$20,800     | \$5,649             |            |                | \$26,449         | \$297,356            |
| 18   | 213,476          | 113,398        | 100,077        |            | \$21,316     | \$5,789             |            |                | \$27,106         | \$324,462            |
| 19   | 212,408          | 112,831        | 99,577         |            | \$21,846     | \$5,933             |            |                | \$27,779         | \$352,241            |
| 20   | 211,346          | 112,267        | 99,079         |            | \$22,389     | \$6,081             |            |                | \$28,470         | \$380,711            |

Footnote: <sup>1</sup> Disclaimer: This includes forecasts, projections and other predictive statements that represent Project Team assumptions and expectations in light of currently available information. These forecasts, etc., are based on industry trends other factors, variables and uncertainties. The actual results may differ from those projected in this table. Consequently, no guarantee is presented or implied as to the accuracy of specific forecasts, projections or predictive statements contained herein.



## 4 Budget Overview

### Reimbursements:

#### Source Rate

State (DAS): 59.29%

Federal (IRA Direct Pay)\*: 30%

*\*Total solar project cost, and portion of reroof covered by solar when using white roof and bifacial modules*

### Portion of Roof Eligible for Federal:

#### Sq. Ft.

Total Roof Area: 30,600

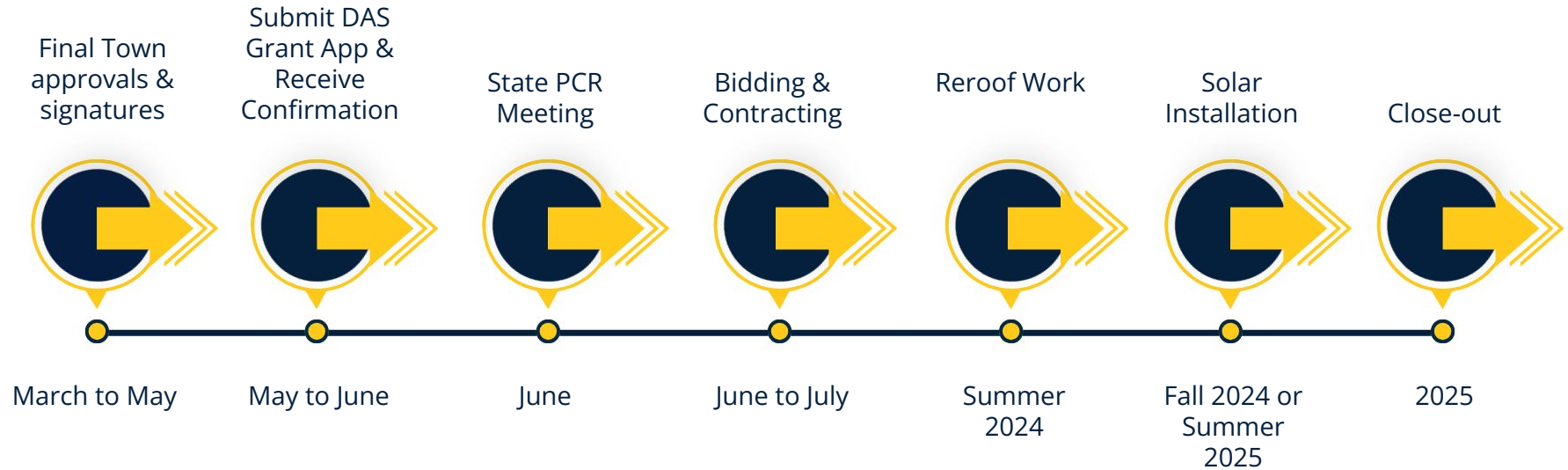
Solar Footprint: 9,800

32.03%

### Project Cost Overview:

|                       | Re-Roof          | Solar           | Combined         |
|-----------------------|------------------|-----------------|------------------|
| Upfront Cost:         | \$1,201,736      | \$698,250       | \$1,899,986      |
| State / DAS:          | -\$712,509       | -\$413,992      | -\$1,126,502     |
| Federal / IRA:        | -\$115,461       | -\$209,475      | -\$324,936       |
| <b>Out of Pocket:</b> | <b>\$373,766</b> | <b>\$74,783</b> | <b>\$448,548</b> |

# 5 Next Steps



# THANK YOU



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