



## Fairhaven Board of Selectmen

### Meeting Minutes

May 28, 2020

**Present:** Chairman Charles Murphy, Town Administrator Mark Rees, Planning and Economic Director Paul Foley and Cable Access Director Derek Frates

**Present via Zoom:** Selectman Robert Espindola, Selectman Daniel Freitas, Finance Director Wendy Graves, Health Agent Mary Kellogg, Conservation Agent Whitney McClees, Town Counsel Tom Crotty, Sarah Tyrell and Nelson Lee from Cadmus, Administrative Assistant Vicki Oliveira, and Cable Access Production Coordinator Erick Sa.

The meeting was videotaped on Cable Access and Zoom meeting application.

Chairman Murphy opened the meeting at 6:34 pm and read the following statement:

*"This Open Meeting of the Fairhaven Board of Selectmen is being conducted remotely consistent with Governor Baker's Executive Order of March 12, 2020, due to the current State of Emergency in the Commonwealth due to the outbreak of the "COVID-19 Virus."*

*In order to mitigate the transmission of the COVID-19 Virus, we have been advised and directed by the Commonwealth to suspend public gatherings, and as such, the Governor's Order suspends the requirement of the Open Meeting Law to have all meetings in a publicly accessible physical location. Further, all members of public bodies are allowed and encouraged to participate remotely.*

*The Order, which you can find posted with agenda materials for this meeting allows public bodies to meet entirely remotely so long as reasonable public access is afforded so that the public can follow along with the deliberations of the meeting.*

*Ensuring public access does not ensure public participation unless such participation is required by law. This meeting will allow public comment related to the posted agenda items only. For this meeting, Fairhaven Board of Selectmen is convening by telephone conference/video conference via Zoom App as posted on the Town's Website identifying how the public may join."*

### Minutes

Mr. Espindola made a motion to approve the minutes of the May 11, 2020 meeting – Open Session. Mr. Freitas seconded. Vote was unanimous. (3-0)

Roll Call vote: Mr. Murphy in favor, Mr. Espindola in favor, Mr. Freitas in favor

Mr. Espindola made a motion to approve the minutes of the May 11, 2020 meeting –Executive Session. Mr. Freitas seconded. Vote was unanimous. (3-0)

Roll Call vote: Mr. Murphy in favor, Mr. Espindola in favor, Mr. Freitas in favor

### **Town Administrators Report**

Mr. Rees will combine his report with item F1: COVID -19 Response update

### **Committee Liaison Reports**

Mr. Espindola reported that the Broadband Study Committee currently has a Feasibility Study to improve internet and Cable service to residents and businesses and encourages residents to fill it out.

Mr. Espindola said the Marine Resources Committee has not met yet, but will be discussing the updated waterways rules and regulations at their next meeting.

Mr. Espindola attended a virtual meeting for SRPEDD where they discussed ways the towns can apply for grant money through the CARES ACT stimulus.

Mr. Espindola will work with the Climate Control group and the Sustainability Committee on the energy aggregation.

Mr. Murphy said the Commission on Disability will meet sometime in June.

### **Appointment of Constables**

Mr. Espindola made a motion to approve the Constables for one year terms:

- Steven Borges
- Mathew M. Botelho
- Pamela A. Bourgault
- Richard E. Ferreira
- Carolyn Hurley (Town Business)
- Robert Jones
- Kevin W. Kobza
- Lawrence Machado
- Scott McGarty
- David Miller
- Nicholas Sylvia
- Herve W. Vandal, Jr.
- Milan Whitaker

Mr. Freitas seconded. Vote was unanimous. (3-0)

Roll Call vote: Mr. Murphy in favor, Mr. Espindola in favor, Mr. Freitas in favor



### **Broadband Study Committee**

Mr. Espindola made a motion to appoint Alyssa Botelho to the Broadband Study Committee for a term of one year. Mr. Freitas seconded. Vote was unanimous. (3-0)

Roll Call vote: Mr. Murphy in favor, Mr. Espindola in favor, Mr. Freitas in favor

### **Appointment of Poll Workers - Updated**

Mr. Espindola made the motion to approve the updated list of poll workers for the June 8, 2020 annual town election. Mr. Freitas seconded. Vote was unanimous. (3-0) (Attachment A)

Roll Call vote: Mr. Murphy in favor, Mr. Espindola in favor, Mr. Freitas in favor

### **Signing of the Warrant for the June 27, 2020 Town Meeting**

Mr. Rees explained that because of the unique circumstances the Town is under due to the COVID crisis, and to streamline a virtual Town Meeting, the Moderator has asked that the Town Meeting warrant be reduced to only those articles that are time sensitive. Mr. Rees, after consulting with Department Heads, the warrant has been reduced from 53 articles down to 16. There will be a special Town Meeting in the fall to cover the articles that have been postponed. Mr. Espindola made a motion to close the June 8, 2020 election warrant and the June 27, 2020 Town Meeting warrant. Mr. Freitas seconded. Vote was unanimous. (3-0) (Attachment B)

Roll Call vote: Mr. Murphy in favor, Mr. Espindola in favor, Mr. Freitas in favor

### **Cadmus- META (Solar and Storage) Grant Report**

Sustainability Coordinator Whitney McClees met with the Board along with Sarah Tyrell and Nelson Lee from Cadmus to discuss the Municipal Energy Technical Assistance (META) Grant. The Town received the META Grant from the Department of Energy Resources' (DOER) to evaluate the feasibility of solar and storage at selected town properties. Ms. Tyrell and Mr. Lee showed a presentation to the board of the possible sites that they determined would be suitable for solar energy and storage. The recommendation of Ms. Tyrell and Mr. Lee are to consider moving forward with further procurement development. (Attachment C)

### **COVID—19 Update**

Mr. Rees told the Board that the Town is still receiving positive cases of COVID – 19 in the nursing homes but overall the town is doing well. Town Departments are continuing business as usual with some employees working from home when possible. The Council on Aging plans on putting the van back in operations next week. The Town will be submitting to the State for reimbursement for all COVID – 19 expenses under the Federal CARE program and the FEMA reimbursement program. Mr. Rees anticipates that the town offices will be opening on or about June 8, 2020 with all safety measures in place.

Health Agent Mary Kellogg said that cases of COVID –19 are still going up and she encourages everyone to adhere to social distancing and wearing masks.

### **Update from Planning Director**

Planning and Economic Director Paul Foley gave an outline to the Board of the activities of Development during the State of Emergency that the Town is currently under. Mr. Foley expressed the importance of holding the annual Town Meeting at the end of June due to the



FEMA Flood Map adoption deadline on July 8, 2020. Mr. Foley presented a slide show of the various projects that he has been working on. (Attachment D)

### **FY21 Budget (adoption of 1/12 budget)**

Mr. Rees read a memo to the Board regarding the Town's budget during the State of Emergency with the COVID-19 crisis and the possible strategies of holding a virtual town meeting. Mr. Rees noted that the Town currently does not know what monies will be received by the State.

After meeting with the Chair of the Board of Selectmen, the Chair of the Finance Committee, Town Counsel and the Moderator to discuss possible strategies to adopting some type of FY21 Budget given the uncertainty of state revenues due to the COVID 19 pandemic and the unique challenges of conducting our annual town meeting remotely. Mr. Rees gave four possible suggested paths, subject to approval by the Selectmen and the Finance Committee.

1. Approve a 1/12<sup>th</sup> budget to allow for sufficient time for Division of Local Services to approve the 1/12 budget as required by law prior to July 1, 2020.
2. The Division of Local Services has informed the Town if there is a Town Meeting prior to July 1, 2020 the 1/12 budget process is not an option and Town Meeting has to approve the FY21 budget regardless of fiscal uncertainties
3. Provide sufficient time to address those uncertainties while maintaining municipal service, Town Meeting would be asked to adopt a 1/3 budget based on FY20 budget amounts. Adjustments would be made to provide for seasonal or contractual expenses that require an appropriation greater than 1/3 of the FY20 budget, but there would be no expansion of services, new programs or additional personnel.
4. Hold a special Town meeting at the end of October to finalize the FY21 budget.

Mr. Espindola made a motion to approve the strategy for getting to the FY21 budget. Mr. Freitas seconded. Vote was unanimous. (3-0)

Roll Call vote: Mr. Murphy in favor, Mr. Espindola in favor, Mr. Freitas in favor.

Mr. Espindola made a motion to adopt the 1/12 budget as presented by Mr. Rees for contingency of something goes wrong at Town Meeting so the Town can operate for FY21 for the month of July. Mr. Freitas seconded. Vote was unanimous. (3-0)

Roll Call vote: Mr. Murphy in favor, Mr. Espindola in favor, Mr. Freitas in favor

### **Annual Town Meeting Preparation**

Mr. Rees asked the Board if they would agree to hold a meeting next week to discuss the budget for town meeting.

### **Resignation from Broadband Study Committee**

Mr. Espindola made a motion to accept the resignation from John Methia from the Broadband Study Committee. Mr. Freitas seconded. Vote was unanimous. (3-0)

Roll Call vote: Mr. Murphy in favor, Mr. Espindola in favor, Mr. Freitas in favor

The Board thanked Mr. Methia for his service to the Town.



Mr. Espindola made a motion to accept the resignation from Jay Simmons from the Broadband Study Committee. Mr. Freitas seconded. Vote was unanimous. (3-0)

Roll Call vote: Mr. Murphy in favor, Mr. Espindola in favor, Mr. Freitas in favor

The Board thanked Mr. Simmons for his service to the Town.

#### **Resignation from Conservation Commission**

Mr. Espindola made a motion to accept the resignation from Nicholas Carrigg from the Conservation Commission. Mr. Freitas seconded. Vote was unanimous. (3-0)

Roll Call vote: Mr. Murphy in favor, Mr. Espindola in favor, Mr. Freitas in favor

The Board thanked Mr. Carrigg for his service to the Town.

#### **Notes and Announcements**

Mr. Espindola thanked all those that were involved in producing the Memorial Day video.

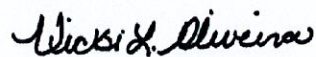
Mr. Freitas offered Congratulations to the F.H.S. class of 2020.

Mr. Murphy also offered his congratulations to the F.H.S. Class of 2020 and announced there will be a parade of cars with the senior class and their families.

At 8:27 pm Mr. Espindola made a motion to go into Executive Session, not to reconvene into Open Session, to discuss strategy with respect to litigation A-1 Crane: pursuant to M.G.L. Ch.30A, Section 21 (a)(3). Mr. Freitas seconded. Vote was unanimous. (3-0)

Roll Call vote: Mr. Murphy in favor, Mr. Espindola in favor, Mr. Freitas in favor

Respectfully submitted,



Vicki L. Oliveira  
Administrative Assistant  
(Approved 06/30/2020)

#### **Attachments:**

- A. Appointment of Poll Workers
- B. Town Election and Town Meeting Warrant
- C. Cadmus – META presentation
- D. Planning Director's memo
- E. Town Administrator's memo – 1/12<sup>th</sup> budget



# **POLL WORKERS**

**June 8, 2020**

**(Original Date-April 6, 2020)**

**REVISED 5/18/20**

## **Local Election**

### **PRECINCT 1**

Lee Bachand, 152 Acushnet Rd, MATT,W/A Michelle Letts 774-202-0500-  
Warden - U

Lisa Moniz, 23 Harvard St, 991-2183-----Clerk-U

Diane Botelho, 180 Adams St,#16A, 774-202-602-----Worker-D

Heidi Winnett, 16 Blossom Street, 774-263-6872-----Worker-U

### **PRECINCT 2**

\*Christine Alfonse, 38 Veranda Avenue, 997-1975 -----Warden – R  
(@7:30pm)

Elaine Burgo, 147 Merrimac Street, NB 965-5719-----Clerk – U

Sandra Belliveau, 124 Weeden Road, 993-9342-----Worker – D

Carole Fauteux, 87 Harding Road, 508-992-1045-----Worker – U

Anne Ellis, 310 Mill Road, 508-996-1510-----Worker-U

### **PRECINCT 3**

\*VACANT-----Warden

Janet Miranda, 47 Laurel Street, 508-542-8755-----Clerk - U

David Miranda, 47 Laurel Street, 508-997-1656-----Worker - D

Kevin Gallagher, 16 Manuel St, 999-1051-----Worker-D

### **PRECINCT 4**

Linda Therrien, 287 Huttleston Avenue, 508-525-7330-----Warden – U

Pamela Greene, 109 Washington Street, 994-9310-----Clerk-R

Diane Shifman, 42 Glenhaven Ave, 508-984-9528-----Worker – U

VACANT-----Worker

### **PRECINCT 5**

VACANT-----Warden-U

Anna Crawford, 125 New Boston Rd, 774—634-6216 -----Clerk – U

Emily W. Devlin-Riley, 10 Main St, 401-298-0457-----Worker-D

Cathy Melanson, 110 Adams St, 989-2289-----Worker-U

### **PRECINCT 6**

David Chevalier, 31 Phoenix Street, 603-801-1689-----Warden -D

Linda Chevalier, 31 Phoenix Street, 603-801-1690 -----Clerk – D

Pauline Parker, 38 Blackburn St, 997-1092-----Worker-U

Rachel Thomas, 1 Teal Circle, 508-826-3558-----Worker-D

W/A = Will Advise



# WARRANT

**For Annual Town Election for Monday, June 8, 2020, and  
Annual Town Meeting for Saturday, June 27, 2020  
at 9:00 AM in the Walter Silveira Auditorium at the  
Elizabeth I. Hastings Middle School**

COMMONWEALTH OF MASSACHUSETTS  
BRISTOL: SS

To the Constable of the Town of Fairhaven in said county

## GREETINGS:

In the name of the Commonwealth of Massachusetts you are hereby directed to notify and warn the inhabitants of the Town of Fairhaven qualified to vote in town elections to meet as follows:

For election, Monday June 8, 2020

Precinct One – Town Hall - William Street entrance  
Precinct Two – Hastings Middle School - Ash Street entrance  
Precinct Three -Hastings Middle School - Ash Street entrance  
Precinct Four – Fire Station Meeting Room - 146 Washington Street  
Precinct Five – Recreation Center - 227 Huttleston Avenue  
Precinct Six – Recreation Center - 227 Huttleston Avenue

In said precincts in said town on Monday, June 8, 2020 at ten o'clock in the forenoon then and there to bring their ballots for question to be voted by ballot, viz:

One Selectman for three years, two School Committee members for three years, one Board of Health member for three years, one Commissioner of Trust Funds for three years, two Board of Public Works members for three years, two Planning Board members for four years, one Housing Authority member for 3 years on unexpired term and Town Meeting Members in accordance with Section 2 of Chapter 285 of the Acts of 1930 and amendments thereto establishing in the Town of Fairhaven Representative Town Government by limited Town Meeting as follows:

Precinct One: 24 for 3 years – 7 for 2 years – 1 for 1 year  
Precinct Two: 24 for 3 years – 4 for 2 years – 5 for 1 year  
Precinct Three: 23 for 3 years – 4 for 2 years – 3 for 1 year  
Precinct Four: 25 for 3 years – 8 for 2 years – 3 for 1 year  
Precinct Five: 23 for 3 years – 8 for 2 years – 2 for 1 year  
Precinct Six: 24 for 3 years – 8 for 2 years – 2 for 1 year

The polls shall be open from 10:00 AM to 8:00 PM. and the inhabitants qualified as Town Meeting Members shall meet on Saturday, June 27, 2020 at 9:00 AM in the Walter Silveira Auditorium of the Elizabeth Hastings Middle School to act upon the following articles:



## **ARTICLE 1: MEASURER OF WOOD AND BARK**

To see if the Town will vote to instruct the Selectmen to appoint a Measurer of Wood and Bark.

*Petitioned by: Board of Selectmen*

## **ARTICLE 2: TOWN REPORT**

To receive the Annual Report of Town Officers.

*Petitioned by: Board of Selectmen*

## **ARTICLE 3: REPORT OF COMMITTEES**

To hear and act upon the reports of any committees, or committee appointed in Town Meeting and to choose any committees or committee the Town may think proper and to raise and appropriate a sum of money for the expense of same, or to take any other action with relation to either of said matters, as the Town may deem necessary and proper.

*Petitioned by: Board of Selectmen*

## **ARTICLE 4: AMENDMENT TO ZONING MAP: FLOOD INSURANCE RATE MAP**

To see if the Town will enact the following amendments to the Zoning Bylaw Chapter 198 Section 28, Floodplain and Nasketucket River Basin Districts:

- 1) Add to 198-28.A panels: 25005C0391H, 25005C0392G, 25005C0394H, 25005C0411G, 25005C0413G dated July 8, 2020.
- 2) Delete from 198-28.A panels: 25005C0391F, 25005C0392F, 25005C0394F, 25005C0411F, 25005C0413F dated July 7, 2009.
- 3) In 198-28A revise the date of the Bristol County Flood Insurance Study (FIS) report date to July 8, 2020.
- 4) Add 198-28F.12 as follows: Base Flood Elevation Data. Base flood elevation data is required for subdivision proposals or other developments greater than 50 lots or 5 acres, whichever is the lesser, within unnumbered A zones.
- 5) Add 198-28F.13 as follows: Within Zones AH and AO on the FIRM, adequate drainage paths must be provided around structures on slopes, to guide floodwaters around and away from proposed structures. (c, d, e communities, if AH or AO appear).

The revised bylaw with these changes will read as follows with additions indicated in text that is **bold and underlined** and deletions indicated with strikethroughs (aaaa) as follows:

§ 198-28 Floodplain and Nasketucket River Basin Districts. [Added 4-3-1971 ATM by Art. 83; amended 3-30-1972 ATM by Art 79; 5-18-1976 ATM by Art. 73; 1-22-1977 STM by Art. 4; 5-13-1978 ATM by Art. 54; 10-7-1982 STM by Art. 14; 5-4-1985 ATM by Art. 19; 5-4-1985 ATM by Art. 27; 1-22-1988



STM by Art. 4; 5-7-1988 ATM by Art. 12; 5-3-1997 STM by Art. 15; 5-2-2009 ATM by Art. 12; 5-3-2014 STM by Art. 7]

- A. The Floodplain District is herein established as an overlay district. The District includes all special flood hazard areas within the Town of Fairhaven designated as Zone A, AE, AH, AO, A99, V, or VE on the Bristol County Flood Insurance Rate Map (FIRM) issued by the Federal Emergency Management Agency (FEMA) for the administration of the National Flood Insurance Program. The Map panels of the Bristol County FIRM that are wholly or partially within the Town of Fairhaven are panel numbers 25005C0391F, 25005C0392F, 25005C0393F, 25005C0394F, 25005C0411F, 25005C0413F, 25005C0425F, 25005C0482F, 25005C0501F, 25005C0502F, 25005C0503F, and 25005C0504F dated July 07, 2009; and 25005C0391G, 25005C0393G, 25005C0394G and 25005C0482G dated July 16, 2014 **and 25005C0391H, 25005C0392G, 25005C0394H, 25005C0411G, 25005C0413G dated July 8, 2020.** The exact boundaries of the District may be defined by the 100-year base flood elevations shown on the FIRM and further defined by the Bristol County Flood Insurance Study (FIS) report date ~~July 16, 2014~~ **July 8, 2020**. The FIRM and FIS report are incorporated herein by reference and are on file with the Town Clerk, Planning Board, Building Official, and Conservation Commission.
- B. The purposes of the Floodplain District are to:
- (1) Ensure public safety through reducing the threats to life and personal injury.
  - (2) Eliminate new hazards to emergency response officials.
  - (3) Prevent the occurrence of public emergencies resulting from water quality, contamination, and pollution due to flooding.
  - (4) Avoid the loss of utility services which, if damaged by flooding, would disrupt or shut down the utility network and impact regions of the community beyond the site of flooding.
  - (5) Eliminate costs associated with the response and clean up of flooding conditions.
  - (6) Reduce damage to public and private property resulting from flooding waters.
- C. The Floodplain District is established as an overlay district to all other districts.
- (1) All development in the district, including structural and nonstructural activities, whether permitted by right or by special permit, must be in compliance with MGL c. 131 § 40 and with the following:
    - (a) Massachusetts State Building Code sections on floodplain and coastal high-hazard areas (currently 780 CMR).
    - (b) Wetlands protection regulations, Department of Environmental Protection (DEP) (currently 310 CMR 10.00).
    - (c) Inland wetlands restriction, DEP (currently 310 CMR 13.00)
    - (d) Coastal wetlands restriction, DEP (currently 310 CMR 12.00)
    - (e) Minimum requirements for the subsurface disposal of sanitary sewage, DEP (currently 310 CMR 15, Title 5)
    - (f) Fairhaven Wetlands Bylaw (currently Chapter 192 of the Code of the Town of Fairhaven).



- (2) Any variance from the provisions and requirements of the above-referenced state regulations may only be granted in accordance with the required variance procedures of these state regulations.
- D. An Order of Conditions from the Conservation Commission is required before building permit shall be issued for construction or expansion by 500 square feet or more of a principal building on land less than the specified elevations above mean sea level (MSL) as provided in the Bristol County Flood Insurance Rate Maps as supplied for the Town of Fairhaven, MA, by the U.S. Corps of Engineers or on any barrier beach or sand dune within 300 feet horizontally of the mean high water line.
- E. Without limiting the generality of the forgoing, failure or inability to comply with the following shall be presumed hazardous to health and safety.
- F. For all new structures or for proposed improvements which equals or exceeds 50% of market value of the unimproved structure, or for any proposed improvements the cost of which together with the cost of improvements made in the previous five calendar years equals or exceeds 50% of the market value of the structure before such improvements, the lowest floor level, including that of the basement, if provided, and structural members supporting the lowest floor must be elevated not less than the specified elevations above mean sea level (MSL) as provided in the Flood Insurance Rate Maps as supplied for the Town of Fairhaven, Massachusetts effective July 7, 2009, and July 16, 2014 and July 8, 2020.
- (1) Structural requirements for construction in flood zones are as provided in the Massachusetts State Building Code, which code requirements are not waived nor superseded by the provisions of this Zoning Bylaw. In addition to those code requirements, the following requirements shall also apply within the designated flood zones for the Town of Fairhaven:
- (a) Structures for all other uses other than dwelling units must also conform to Subsection C(1)(a).
- (b) All new construction or substantial improvements for any use shall be located landward of the reach of mean high tide.
- (2) Individual sewage disposal systems shall not be subject to inundation in the event of coastal flooding to six-foot elevation above mean sea level.
- (3) Water supplies shall not be subject to more than temporary interruption or contamination, in the opinion of the Board of Health or its agents, in the event of coastal flooding to six-foot elevation above mean sea level.
- (4) Unless protected by sea walls, pilings or other foundations shall extend not less than six feet below grade in sand and not less than four feet below grade in other materials or to such greater depth as the Building Commissioner may require to prevent scouring beneath foundations.
- (5) Foundations shall be designed by a registered civil engineer or architect to withstand hydraulic pressure, and shall be of reinforced concrete, or if of masonry units, shall have a poured cap tied with reinforcing rods to the footings.
- (6) No vegetation on the ocean side of the crest of any primary dune (a hill or ridge of sand piled up by the wind with no other dune between it and the ocean front) shall be destroyed, nor the crest height of such dune be lowered. All disturbed dune areas shall be stabilized with beach grasses or other means.



- (7) Man-made alteration of sand dunes within Zone VE which would increase potential flood damage are prohibited.
- (8) The placement of mobile homes for year round or seasonal use is prohibited in the Floodplain overlay district.
- (9) In Zones A and AE, along watercourses that have not had a regulatory floodway designated, the best available Federal, State, local, or other floodway data shall be used to prohibit encroachments in floodways which would result in any increase in flood levels within the community during the occurrence of the base flood discharge.
- (10) In a riverine situation, the Building Commissioner shall notify the following of any alteration or relocation of a watercourse:
  - (a) Adjacent Communities,
  - (b) NFIP State Coordinator, Massachusetts Department of Conservation and Recreation
  - (c) NFIP Program Specialist, Federal Emergency Management Agency, Region I
- (11) All subdivision proposals must be designed to assure that:
  - (a) such proposals minimize flood damage;
  - (b) all public utilities and facilities are located and constructed to minimize or eliminate flood damage; and
  - (c) adequate drainage is provided to reduce exposure to flood hazards.

**(12) Base Flood Elevation Data. Base flood elevation data is required for subdivision proposals or other developments greater than 50 lots or 5 acres, whichever is the lesser, within unnumbered A zones.**

**(13) Within Zones AH and AO on the FIRM, adequate drainage paths must be provided around structures on slopes, to guide floodwaters around and away from proposed structures. (c, d, e communities, if AH or AO appear).**

#### G Nasketucket River Basin District (NRB)

- (1) The purpose of the Nasketucket River Basin District is to preserve, protect and maintain the quantity and especially the quality of the surface water and groundwater of this district which waters comprise and/or contribute to the existing and potential sources of water supply of the Town of Fairhaven and also to protect the public health, safety and general welfare of the Town residents and to conserve the natural resources of the town. The interpretations, orders, decisions, permits, judgments and findings of all parties, Town boards and departments, agents and officials in respect to all matters pertaining to this district, shall be consistent with and in accord with the spirit and intent of the above-stated purpose of this district. No facilities or activities hereafter listed in this section as restricted or prohibited shall be permitted within the Nasketucket River Basin District except by special permit from the Zoning Board of Appeals, upon demonstration by the applicant that the economic use of the property is infeasible under this rule and that water supply contamination will not result from the proposed facility or activity.
- (2) List of restricted facilities or activities:
  - (a) Fuel or combustible hydrocarbon storage.
    - [1] Underground storage prohibited.



- [2] Aboveground storage over 55 gallons prohibited. (An exception to this restriction is the storage of heating oil inside the building to be heated)
- (b) Commercial laundries and cleaners.
  - (c) Road salt storage and application.
  - (d) Commercial parking lots.
  - (e) Gasoline stations and commercial garages (e.g. for motor vehicle sales, repair or service).
  - (f) Pesticide applications, storage or use for commercial purposes.
  - (g) Fertilizer applications, storage or for commercial purposes.
  - (h) Leaching fields, cesspools or surface or subsurface discharges of leachable wastes; (an exception to this restriction shall permit these facilities or activities within 300 feet westerly of New Boston Road, provided that all applicable wetlands, Board of Health and building permits have been previously obtained).
  - (i) Storage or stockpiling manure.
  - (j) Storage or disposal of hazardous materials or wastes as defined by EPA or OSHA regulations.
  - (k) Gravel pits or other excavations of sand, soil, rock or ledge for sale or commercial purposes (excepting normal excavations incidental to building construction, farming operations, water conservation, water retaining ponds, public utilities, installation and maintenance, and highway construction).
  - (l) Junk and salvage yards, dumps, disposal sites or landfills for solid or liquid wastes.
- (3) The preceding enumerated items [Subsection D(2)(a), fuel storage, subsection D(2)(d), commercial parking lots, Subsection D(2)(e), gasoline stations and commercial garages, Subsection D(2)(g), fertilizer applications, and Subsection D(2)(i) storage and stockpiling of manure] existing on the passage of this chapter may be continued, repaired, or maintained but without enlargement, nor addition to the existing facility, nor without changing the function of the existing structure to a function more hazardous or contaminating (in amount or type) to the basin aquifer or water supply.
- H. No person shall remove, fill, dredge or build upon any bank, marsh, swamp or flat bordering on coastal or inland water or any other land subject to tidal action or coastal flooding without a Special Permit from the Zoning Board of Appeals. Such a permit shall be issued upon confirmation that the requirements of the Wetland's Act (MGL c 131 §§ 40 & 40A) will be met and granting of the same will not be hazardous to health or safety and not harmful to the shellfish and aquatic resources of the town.
- or take any other action relative thereto

*Petitioned by:* Planning Board

# **ARTICLE 5: BILLS OF PRIOR YEAR – Paid from FY20 funds**

<u>Vendor</u>	<u>Amount</u>	<u>Petitioner</u>
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Tradebe 1,937.00 Board of Public Works

and others that may be brought forward.

*Petitioned by: Town Administrator*

#### **ARTICLE 6: SETTING SALARIES OF TOWN OFFICERS-FY21**

To see if the Town will vote to fix the compensation of the Town's Elected Officers and that said compensation be effective July 1, 2020.

- A. Board of Selectmen (3 members)
- B. Town Clerk
- C. Moderator
- D. Tree Warden
- E. Board of Health

Or take any other action relative thereto.

*Petitioned by: Board of Selectmen*

#### **ARTICLE 7: GENERAL FUND OPERATING BUDGET – FY21**

To see if the Town will vote to raise and appropriate, borrow or transfer from available funds a sum of money to fund the FY21 General Fund Operating Budget or take any other action relative thereto

*Petitioned by: Board of Selectmen*

#### **ARTICLE 8: WATER ENTERPRISE FUND OPERATING BUDGET – FY21**

To see if the Town will vote to raise and appropriate, borrow or transfer from available funds a sum of money to fund the FY21 Water Enterprise Fund Operating Budget or take any other action relative thereto

*Petitioned by: Board of Public Works*

#### **ARTICLE 9: SEWER ENTERPRISE FUND OPERATING BUDGET – FY21**

To see if the Town will vote to raise and appropriate, borrow or transfer from available funds a sum of money to fund the FY21 Sewer Enterprise Fund Operating Budget or take any other action relative thereto

*Petitioned by: Board of Public Works*

#### **ARTICLE 10: TOWN OF FAIRHAVEN CABLE TELEVISION ENTERPIRSE FUND BUDGET – FY 21**



To see if the Town will vote to raise and appropriate, borrow or transfer from available funds a sum of money to fund the FY21 Town of Fairhaven Cable Television Enterprise Fund Budget or take any other action relative thereto

*Petitioned by: Board of Selectmen*

**ARTICLE 11: FAIRHAVEN PUBLIC SCHOOLS CABLE TELEVISION ENTERPRISE FUND BUDGET – FY 21**

To see if the Town will vote to raise and appropriate, borrow or transfer from available funds a sum of money to fund the FY21 Fairhaven Public Schools Cable Television Enterprise Fund Budget or take any other action relative thereto

*Petitioned by: Board of Selectmen*

**ARTICLE 12 – STATE AID TO HIGHWAYS – FY21**

- A. To see if the Town will vote to authorize the Board of Public Works to accept and enter into contract for the expenditure of any funds allotted or to be allotted by the Commonwealth of Massachusetts for the construction, reconstruction and improvements of Town roads, or take any other action relative thereto.
- B. To see if the Town will vote to appropriate and transfer from available funds a sum of money for capital improvements on local roads, subject to the conditions detailed by the Massachusetts Highway Department pursuant to the MGLS and Transportation Department's Chapter 90 Guidelines, or to take any other action relative thereto.

*Petitioned by:*           The Board of Public Works

**ARTICLE 13: SEWER ENTERPRISE CAPITAL PLAN – FY21**

To see if the Town will vote to raise and appropriate, borrow or transfer from available funds a sum of money in aggregate without regards to individual line items from the Sewer Enterprise account to fund Capital Equipment/Projects or take any other action relative thereto:

*Petitioned by: Board of Public Works*

**ARTICLE 14: REVOLVING FUNDS – FY21**

To see if the Town will authorize and / or re-authorize the following Revolving Accounts under the provisions of Massachusetts General Law Chapter 44 Section 53 E ½ under the following terms:

Revolving Fund	Authorized to Spend	Revenue Source	FY21 Limit
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Hazardous Materials	Fire Chief	Disposal fees/charges	\$ 100,000
Sustainability	Sustainability Committee	Fees/charges	\$ 10,000
Hoppy's Landing	Board of Selectmen and/or Town Administrator	Fees/charges from users of Hoppy's Landing	\$ 25,000
Town Hall Auditorium	Town Administrator	Town Hall auditorium rental fees	\$ 2,000
Park Utilities	Board of Public Works	User fees	\$ 2,000
Wellness	Wellness Committee	Fees, BCBS reimbursements, vendors	\$ 2,500
Mattress Recycling	Board of Health	Fees for mattress disposal	\$ 2,000
Hoarding Remediation	Board of Health	Revenue from textile recovery boxes	\$ 1,000

Or take any other action relative thereto:

*Petitioned by:* Board of Selectmen

#### **ARTICLE 15: SOCIAL DAY CARE CENTER – FY21**

To see if the Town will vote to authorize the Fairhaven Council on Aging to expend in the Fiscal Year 2021 a sum of money not to cumulatively exceed \$175,000.00 from the Grant Account known as "Receipts Reserved for Appropriation for Fairhaven Supportive Social Day Program" for the purpose of providing a Social Day Program for Senior Citizens or take any other action relative thereto.

*Petitioned by:* Council on Aging

#### **ARTICLE 16: FAIRHAVEN RETIREMENT SYSTEM-INCREASE COLA BASE**

To see if the Town will vote to accept an increase of the COLA base for retirees beginning July 1, 2020 from \$14,000 to \$15,000 consistent with the provisions of Chapter 188, Section 19, of the Acts of 2020 and to fund this increase in the COLA base a sum on money be raised and appropriated and placed in the FY 21 Contributory Retirement General Fund Line item, or take any other action relative thereto.

*Petitioned by:* Fairhaven Retirement Board

#### **ARTICLE 17: TRANSFER FROM SURPLUS REVENUE and/or STABILIZATION FUND-FY21**



To see is the Town will vote to transfer a sum of money from Surplus Revenue for the reduction of the tax levy, and/or from the General Fund Stabilization Fund or take any other action relative thereto.

*Petitioned by:* Board of Selectmen

#### **ARTICLE 18: MEMORANDUM OF UNDERSTANDING-FEDERAL TITLE IV-E REIMBURSEMENT**

To see is the Town will vote to authorize the Superintendent for Fairhaven Public Schools, with the approval of the Board of Selectmen, to enter into Memorandum(s) of Understanding ("MOU") with the Department of Children and Families, the Executive Office of Health and Human Services and the Department of Elementary and Secondary Education in order to obtain Federal Title IV-E reimbursement(s) for foster care transportation and to provide that payments for such foster care transportation under such MOU(s) may be made from such reimbursement(s) as a result of foster care transportation being performed without appropriation of said reimbursement(s), pursuant to Massachusetts General Law Chapter 44, Section 70, or to take any other action relative thereto.

*Petitioned by:* School Committee

#### **ARTICLE 19: AMENDMENT TO ZONING MAP-CROWS ISLAND MIXED USE ZONING**

To see if the Town will amend the zoning map as follows:

Rezone the following described lot from Single Residence District (RA) to the Mixed Use District (MU):

The land known as Assessors Map 44, Lot 1 and described in a deed recorded at the Bristol County (S.D.) Registry of Deeds at Book 13105, Page 330 as follows:

The land in Fairhaven, Bristol County, Commonwealth of Massachusetts, known as Crow Island, with any buildings or improvements thereon, bounded and described as follows:

A certain island with all buildings and structures hereon, lying and being within the limits of the Town of Fairhaven in the County of Bristol and Commonwealth of Massachusetts and extending by the flats thereto surrounding, to the channel of one Acushnet River in which said island lies, and being that island known as Crow Island, with all the rights in and for said flats to the channel of said river provided by the statutes of said Commonwealth and thereby granted to the owner of said island

*Petitioned by:* Christine Correia, et. al.

#### **ARTICLE 20: HARD SURFACING OF ROBERT STREET**



Robert Street – Reconstruct and hard surface on Robert Street from Castle Avenue to bottom of Robert Street, approximately 144 feet

*Petitioned by:* Christine Gelinas, et. al.

## **ARTICLE 21: OTHER BUSINESS**

To act upon any other business which may legally come before this meeting.

And you are hereby directed to serve this warrant by posting an attested copy thereof on or near the front or main entrance of the polling place in Precinct 1, Town Hall; and on or near the entrance of the polling place in Precinct 2 and 3, Elizabeth I. Hastings Middle School, School Street; and on or near the entrance of the polling place in Precinct 4, Fire Station meeting room, 146 Washington Street; and on or near the front or main entrance of the polling place in Precinct 5 and 6, Recreation Center, 227 Huttleston Ave; seven days at least prior to the date of the meeting.

HEREOF FAIL NOT, and make due return of this warrant to the Town Clerk at the time and place of the meeting aforesaid.

Given under our hands this 26 day of May in the year two thousand twenty.

Selectmen of Fairhaven,

\_\_\_\_\_  
Charles K. Murphy, Sr.

\_\_\_\_\_  
Robert Espindola

\_\_\_\_\_  
Daniel Freitas

A true copy, ATTEST:

Constable of Fairhaven



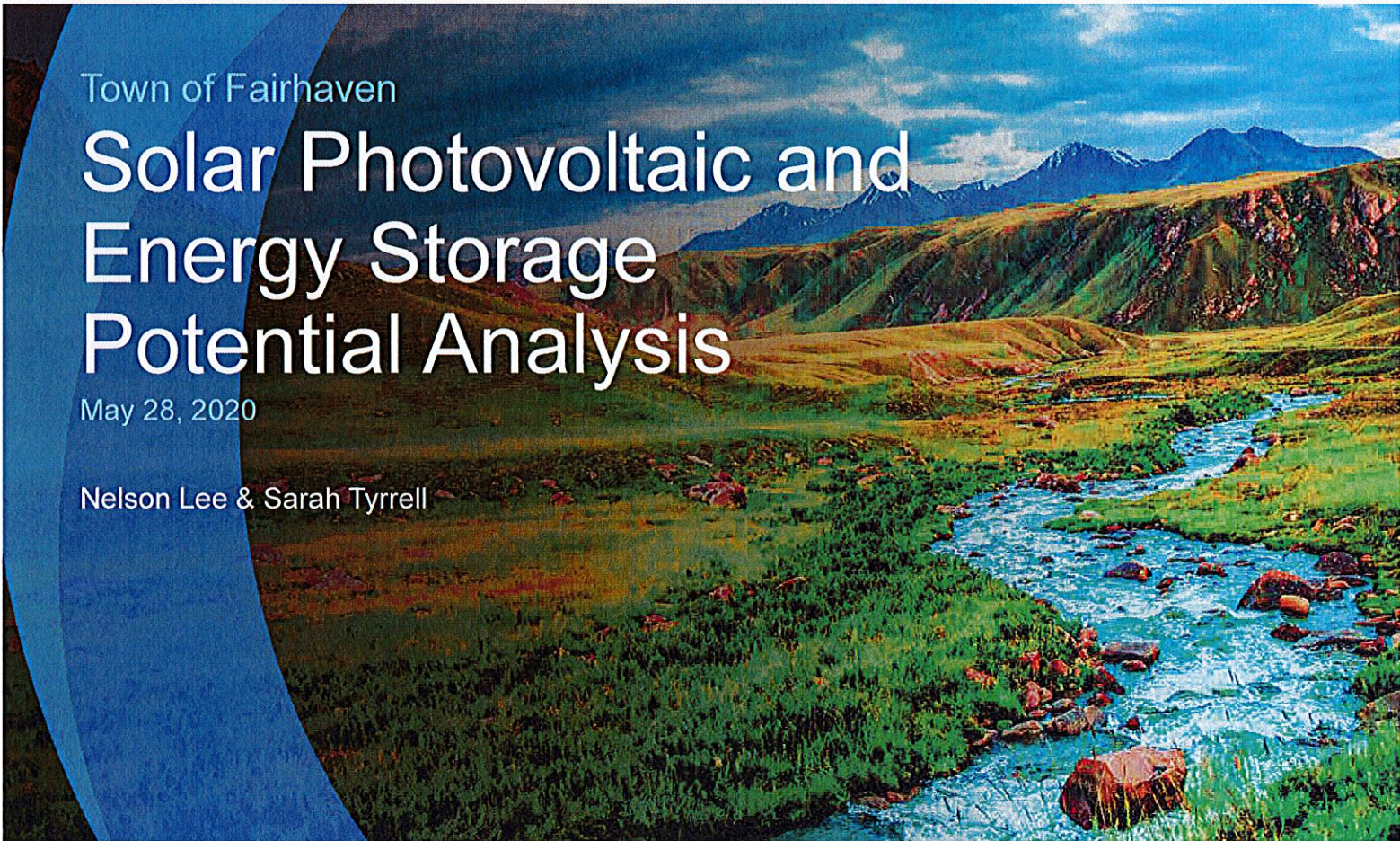
# CADMUS

Town of Fairhaven

## Solar Photovoltaic and Energy Storage Potential Analysis

May 28, 2020

Nelson Lee & Sarah Tyrrell







# Agenda

Cadmus Overview

Site by Site Analysis

Applicable Incentives

Recommended Next Steps

Q&A



# Overview: Cadmus

Exceed client expectations.  
Engage, challenge, and reward our team.

Grow and prosper.  
Make a difference.

Social good consultancy providing  
solar technical assistance  
**since 2009**

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Distributed Energy Resource  
(DER) team comprised of  
**21 consultants**

We've assisted  
**80 municipalities and  
state agencies** during their  
solar procurement process

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This includes  
**7 communities or entities**  
under the SMART incentive program



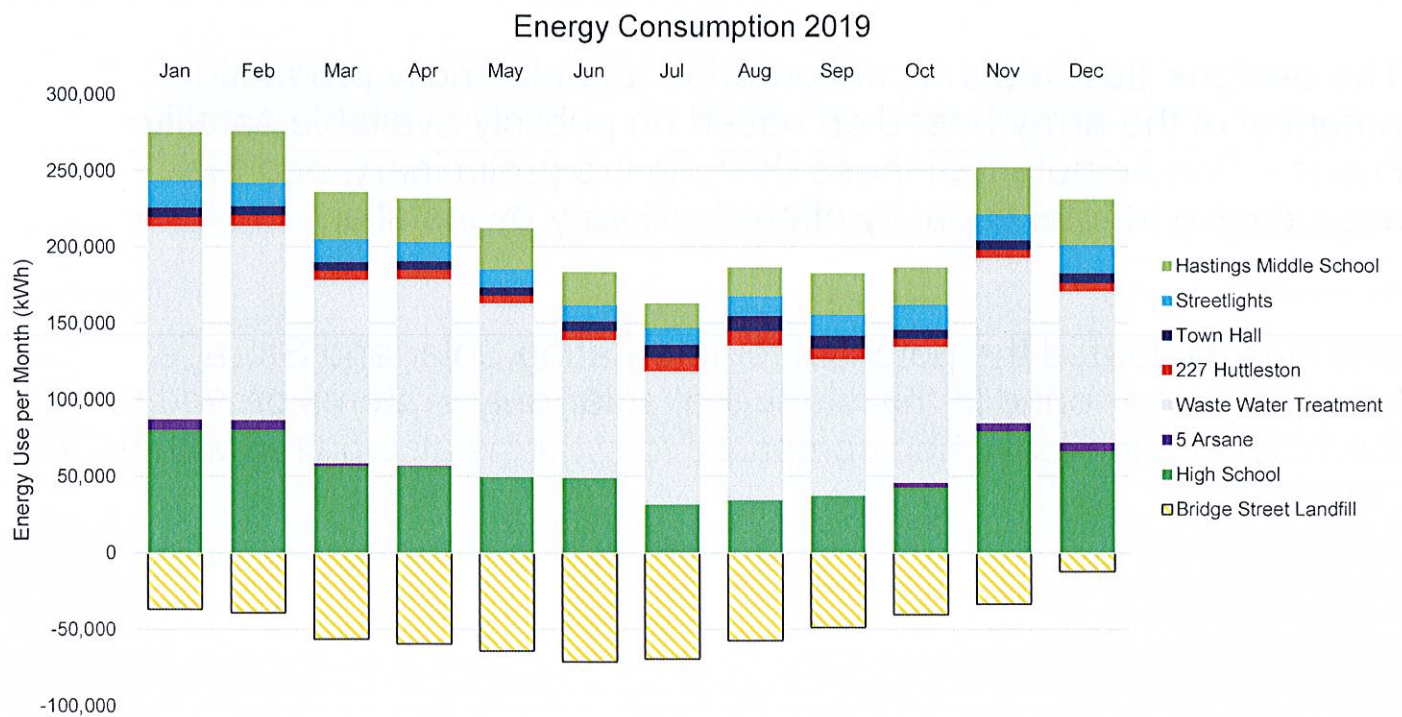
# Introduction

- Cadmus created multiple preliminary solar photovoltaic (PV) array designs for six municipal sites throughout the Town of Fairhaven.
- The designs illustrate the configuration and electricity production potential of the array based on publicly available satellite images. Please note that these designs are preliminary, and the aesthetics and total capacity offered will vary by installer.
- Cadmus evaluated the potential for integrating Solar and Storage, however it was found in this study that solar-only systems proved to be the most economical when compared to systems also paired with battery storage.



## Overview of Current Municipal Facility Consumption

- Based on a review of the Town's current consumption rates, there is potential for solar PV development that could be net metered to offset other facilities across the Town





# Summary of Solar Feasibility Study

- Cadmus modeled each site's consumption based off energy data provided by the Town
  - In place of sites where Cadmus did not receive data, the Cadmus team simulated an hourly load profile based on other similar building profiles in the open EI database
- Hastings Middle School has been identified as the site with the greatest potential for rooftop solar

Building	Address	Type	Nameplate kW DC	Annual Production MWh	Output/ nameplate (kWh/kWp)	# Panels
Hastings Middle School	30 School St	Rooftop	403	531	1319	1104
Hastings Middle School	30 School St	Carport	27	38	1396	75
Recreation Center and Council on Aging	229 Huttleston	Rooftop	70	84	1203	191
Recreation Center and Council on Aging	229 Huttleston	Carport	180	246	1367	493
Fairhaven High School	12 Huttleston	Rooftop	187	224	1198	668
Fairhaven High School	12 Huttleston	Carport	116	162	1396	318
Visitor's Center	141 Main St	Rooftop	10	14	1377	27





# Site by Site Analysis

CADMUS

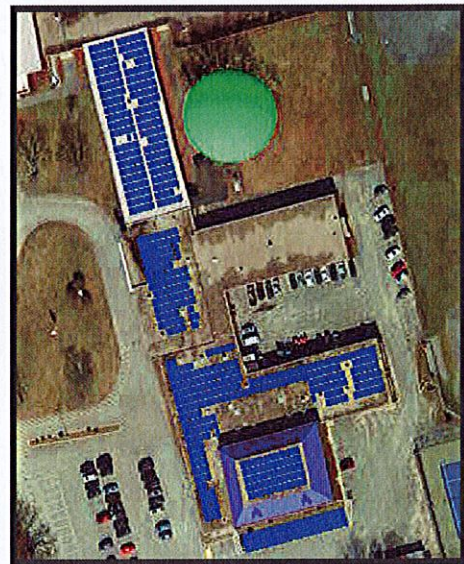
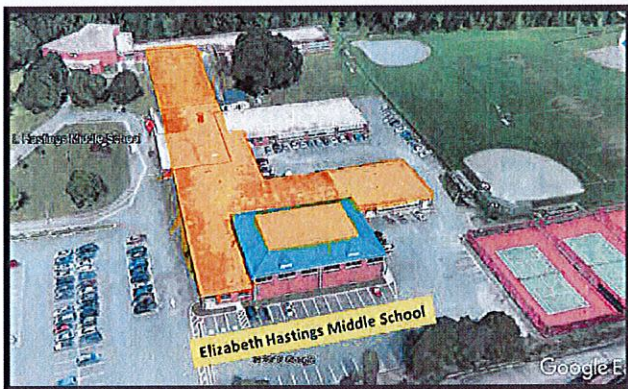


# Site: Hastings Middle School

The rooftop is expansive with relatively few rooftop closeouts. The school's parking lots are not ideal for south facing carports. Building and roof conditions and planned renovations will need to be considered before any solar project is considered. The town provided annotated photos, bottom left, that highlight the recent roof section replacement.

DC Capacity (kW)	415
AC Capacity (kW)	350
No. Modules	1080
PV Module	LG 365
Inverter	Solectria 10kW-600
Est. Annual Solar Production (kWh)	570,000

## Conceptual Design





# Site: Hastings Middle School

## Solar PV and Storage Study Summary

- Cadmus created a simulated load profile for the middle school based on the detailed hourly load profiles from a primary school in New Bedford
- The middle school is estimated to consume 840,600 kWh of energy each year, and peak demand in June
- We estimated that the annual electricity bill is \$172,629 under the Eversource G33 utility rate
- The modeled solar array would generate 57% of the facilities' energy
  - Note that in the financial analysis we consider a social cost of carbon at \$68/ton so annual costs are higher than would be seen on utility bills
- In our initial analysis, we found that solar PV-only would create the most value for the Hastings Middle School facility
  - However, after receiving additional information last week regarding a demand charge, the Cadmus team has rerun the analysis and can offer the following insight during today's meeting

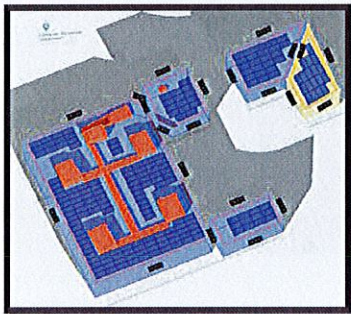
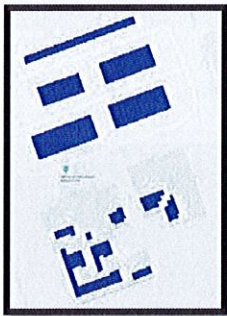
Hastings Middle School	Solar Size (kW DC)	Battery Size (kWh)	Annual Costs	Net Present Costs (25 year)	Capital Cost	IRR	Payback (years)
Base	0	0	\$208,755	\$4,408,219	\$0	0.0%	0.0
Solar	415	0	\$67,520	\$2,403,076	\$977,253	13.9%	6.9
Storage	0	282	\$192,748	\$4,348,173	\$277,964	3.0%	12.6
Solar and Storage	380	71	\$77,005	\$2,547,134	\$921,014	5.7%	12.9



# Site: Fairhaven Recreation Center and Council on Aging

The roof on the Recreation Center and Council on Aging features many different roof levels, which limits the useable surface area for solar PV. However, there are several angled roofs that are situated well to capture sunlight. The parking lots in the northern side of the building of the parcel could be suitable for potential solar PV parking canopy array development. Based on our preliminary analysis, Cadmus estimates that the Recreation Center site can support PV arrays of approximately 250 kW DC. The arrays across the building would generate approximately 330,100 kWh annually.

## Conceptual Design



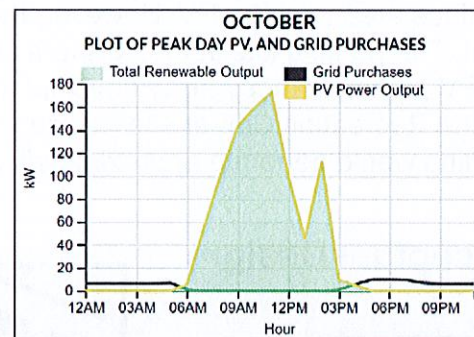
DC Capacity (kW)	250
AC Capacity (kW)	230
No. Modules	684
PV Module	LG 365
Inverter	Enphase IQ7
Est. Annual Solar Production (kWh)	330,100



# Site: Fairhaven Recreation Center and Council on Aging

## Solar PV and Storage Study Summary

- Cadmus studied monthly utility bills from the Town to create a detailed load profile to match the facility's monthly energy and peak demand
- Based on the bills, the Recreation Center consumed ~79,800 kWh in 2019 with its peak demand being in July
- Cadmus estimated that the annual electricity bill is \$16,500 under the Eversource G33 utility rate
- The modeled solar PV array would generate 400% of the facilities' energy use
  - Under net metering, the Town will be able to schedule excess energy production at this site to offset bills of other Town properties
  - There will be many days out of the year where solar generation would dwarf current consumption (see top right)
- Cadmus found that a solar PV-only system creates the most value for this facility



Recreation Center	Solar Size (kW DC)	Battery Size (kWh)	Annual Electric Costs	Net Present Costs (25 year)	Capital Cost	IRR	Payback
Base	-	-	\$19,972	\$ 421,000	\$0		
Solar	250	-	\$51,500	-\$277,412	\$819,000	7.3 %	11
Storage	-	28	\$15,222	\$350,308	\$28,900	17%	5.4
Solar & Storage	250	14	\$51,900	-\$260,758	\$834,000	7.1 %	12



# Site: Fairhaven High School

Fairhaven High School consists of several adjoining buildings and there are opportunities to install solar arrays on most of the rooftop. Solar PV is best suited for the building on the north-east side of the campus. For this solar model, all flat and south facing rooftop received solar panels, but further investigation would be needed to determine if the high angle south facing roofs are appropriate, installation costs would likely be higher for these as additionally safety measure are needed to work with the high angle slope of the roof. Cadmus modeled the rooftop array at ~140 kW DC.

A 102 kW DC solar carport on the parking lot on the north side of the athletic field has been modeled, although visual impact for the neighbors would need to be assessed and considered.

DC Capacity (kW)	240
AC Capacity (kW)	200
No. Modules	859
PV Module	LG 365
Inverter	Solectria 10kW-600
Est. Annual Solar Production (kWh)	296,000

## Conceptual Design

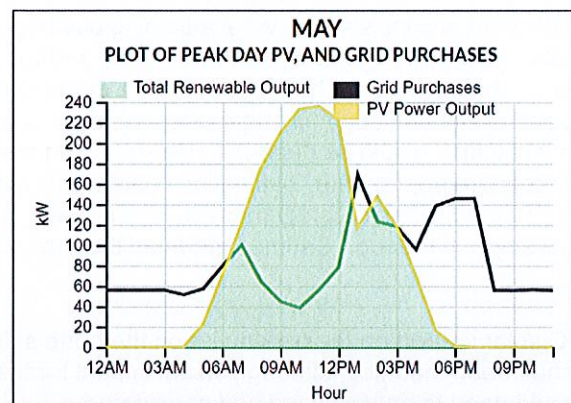




# Site: Fairhaven High School

## Solar PV and Storage Study Summary

- Cadmus studied monthly utility bills from the Town to create a detailed load profile to match the facility's monthly energy and peak demand
- Based on the bills, the high school consumed ~840,600 kWh in 2019 with its peak demand being in June
- Cadmus estimated that the annual electricity bill is \$172,629 under the Eversource G33 utility rate
- Similar scenario to HMS - Cadmus found that a solar PV-only system creates the most value for this facility
- Differing from HMS, we see that the solar system is sized in such a way that the solar production is mostly self-consumed, only 11% of the annual solar production of the solar only system is sold back to the grid
  - Looking at the top right, power output of the PV array throughout the day is in green, the black line shows how much power is purchased from the grid during that same period



High School	Solar Size (kW DC)	Battery Size (kWh)	Annual Electric Costs	Net Present Costs (25 year)	Capital Cost	IRR	Payback (years)
Base	0	0	\$208,757	\$4,408,219	\$0	0.0 %	0.0
Solar	303	0	\$92,819	\$2,809,972	\$849,950	13.0 %	7.3
Storage	0	282	\$192,750	\$4,348,173	\$277,962	3.0 %	12.6
Solar and Storage	278	71	\$100,142	\$2,942,891	\$828,244	12.5 %	7.5



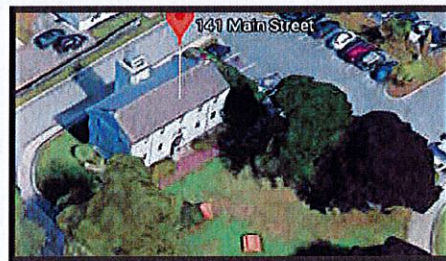
## Site: Fairhaven Visitor's Center

The Visitor's Center has a large SSE facing roof that could be a great location for a rooftop solar array. Based on satellite images and google street view images it is believed that the surrounding trees do not present significant shading.

The Visitors Center could potential produce 15,000 kWh of electric energy each year. This would approximately 27% of the Visitors Center annual electric energy usage.

DC Capacity (kW)	11
AC Capacity (kW)	10
No. Modules	30
PV Module	LG 365
Inverter	Enphase IQ7A
Est. Annual Solar Production (kWh)	15,000

### Conceptual Design



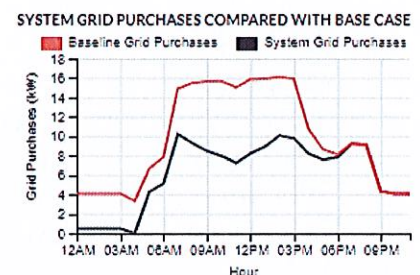
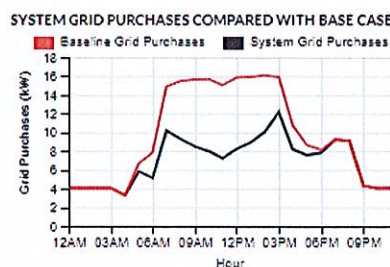
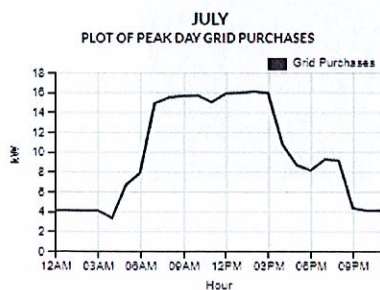


# Site: Fairhaven Visitor's Center

## Solar PV and Storage Study Summary

- Cadmus created a simulated load profile for the middle school based on the detailed hourly load profiles of a small office building
- Based on the bills, the Recreation Center consumed ~54,800 kWh in 2019 with its peak demand being in July
- Cadmus estimated that the annual electricity bill is \$11,257 under the Eversource G33 utility rate
- We found that solar PV-only creates the most value
  - A system paired with storage does not increase the financial performance, as seen below

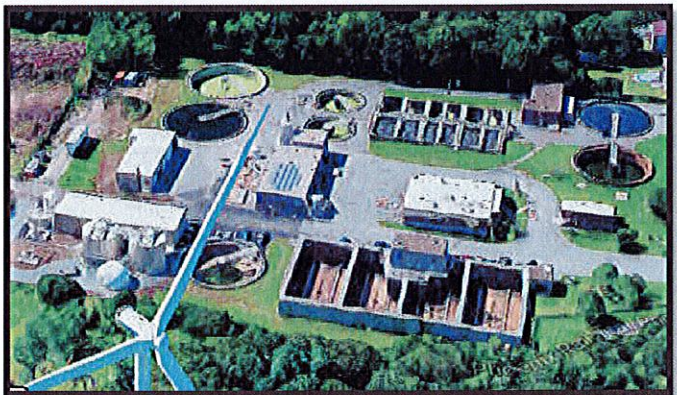
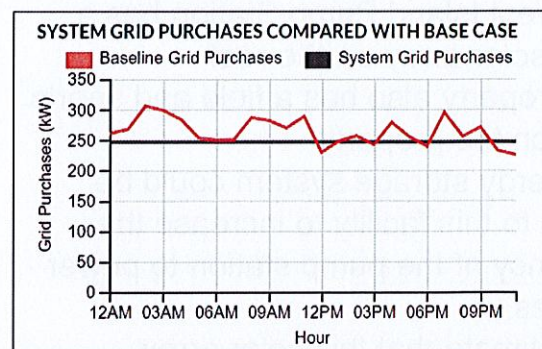
Visitors Center	Solar Size (kW DC)	Battery Size (kWh)	Annual Electric Costs	Net Present Costs (25 year)	Capital Cost	IRR	Payback (years)
Base	0	0	\$13,610	\$287,393	\$0	0.0 %	0.0
Solar	11	0	\$8,951	\$216,401	\$27,375	16.7 %	5.9
Storage	0	31	\$12,512	\$296,107	\$31,889	0.0 %	0.0
Solar and Storage	11	31	\$8,896	\$247,127	\$59,264	6.2 %	10.9





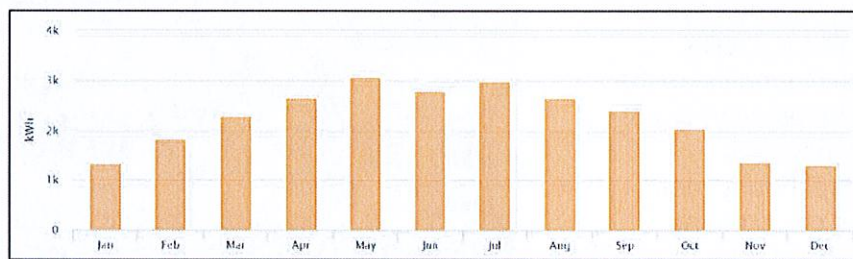
## Site: Waste Water Treatment Plant Storage Analysis

- The wastewater treatment plant has an existing PV array
- We created a simulated load profile for the Wastewater Treatment plant, based on monthly utility bills – peak demand occurs in December
  - The wastewater treatment plant is subject to Eversource's 84-SEMA Medium General TOU tariff
- The addition of a 624 kWh energy storage system to the waste water treatment plant would be able to reduce the demand peaks of the facility and thereby reducing the demand charges
- The top right figure shows the energy profile for the peak day in December – the energy storage system is able to completely reduce the variability in demand through the day
- Our analysis shows that adding storage system to the Wastewater Treatment Plant Facility would produce limited economic benefits as the large upfront capital expense takes 24 years of monthly electric bill savings to payback
- A deeper analysis utilizing actual hourly meter data combined with TOU rates could change the economics of battery storage at the wastewater treatment plant



## Site: West Island Pump Station Storage Analysis

- The West Island Pump Station has a small solar array on the roof
- The property also has a field and sports court on the property.
- An energy storage system could be added to this facility to increase the resiliency of the pump station to power outages
- We estimate that this solar array produced between 1,300 and 3,000 kWh per month
  - Should additional electricity load information be provided, Cadmus would be able to perform a more thorough storage and resiliency analysis for the pump station.



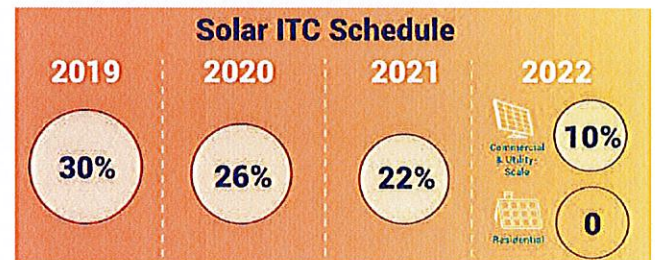




# Applicable Incentives and Ways to Finance

# Federal Incentives

- Investment Tax Credit
  - Percent reduction claim against the income tax liability that the system owner would owe in federal taxes
  - Currently valued at 26% off project costs
  - Must have federal tax liability
- 5 Year MACRS Depreciation
  - Accelerated depreciation schedule benefit
  - Must have federal tax liability





# State Incentives

- Net Metering
  - Selling electricity generated onsite back to the utility at the end of the billing period
  - Allows for excess generation to be credited at 60% of the retail rate for private facilities and at 100% for public facilities
- SMART Incentive
  - Fixed 10-20 year Feed-in-Tariff incentive for eligible solar projects
  - Declining incentives by block rates by allotted block size (8 blocks, currently in block 3)
  - Currently in block 4/8 for projects  $\geq 25$  kW-AC
  - Successor to Massachusetts SREC Program

# DOER SMART Program

A proposed extension and revision of the current SMART incentive program.

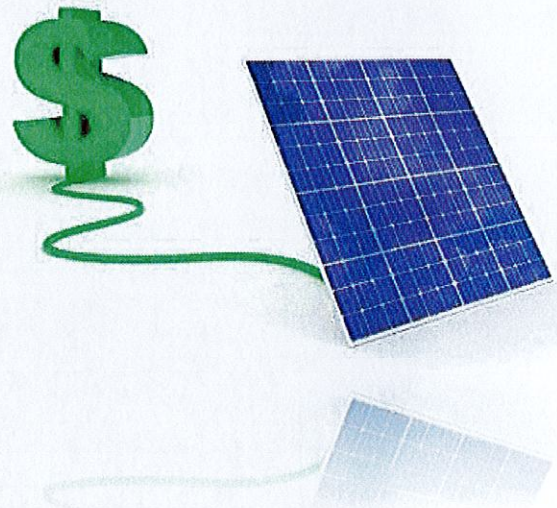
Electric Distribution Company	Generation Unit Capacity	Base Compensation Rate Factor	Term Length	Block 1	Block 2	Block 3	Block 4	Block 5	Block 6	Block 7	Block 8
NSTAR d/b/a Eversource Energy <sup>6</sup>	Low income less than or equal to 25 kW AC	230%	10-year	\$0.39	\$0.38	\$0.36	\$0.35	\$0.33	\$0.32	\$0.31	\$0.29
	Less than or equal to 25 kW AC	200%	10-year	\$0.34	\$0.33	\$0.31	\$0.30	\$0.29	\$0.28	\$0.27	\$0.26
	Greater than 25 kW AC to 250 kW AC	150%	20-year	\$0.26	\$0.24	\$0.24	\$0.23	\$0.22	\$0.21	\$0.20	\$0.19
	Greater than 250 kW AC to 500 kW AC	125%	20-year	\$0.21	\$0.20	\$0.20	\$0.19	\$0.18	\$0.17	\$0.17	\$0.16
	Greater than 500 kW AC to 1,000 kW AC	110%	20-year	\$0.19	\$0.18	\$0.17	\$0.17	\$0.16	\$0.15	\$0.15	\$0.14
	Greater than 1,000 kW AC to 5,000 kW AC	100%	20-year	\$0.17	\$0.16	\$0.16	\$0.15	\$0.14	\$0.14	\$0.13	\$0.13

- Currently in Block 3 for projects <25 kW AC, Block 4 for larger
- Public Off-Taker Adder: \$0.02/kWh
- Rooftop Adder: \$0.019/kWh
- Canopy Adder: \$0.058/kWh
- Requiring energy storage on all projects over 500kW.
- Would enable Behind-the-meter facilities to receive the Alternative on bill credit (AOBC)



# Nest Steps Economics: Third Party Ownership

- Project Owner (Third Party)
  - Tax Benefits (Federal Investment Tax Credit, accelerated depreciation)
  - SMART incentive revenue
  - PPA revenue from Fairhaven
  - Project development risk
  - Project performance risk
- Fairhaven Direct Ownership
  - Low-cost, long-term power contract
  - Demand cost reduction
  - Sustainable energy procurement
  - Payment in Lieu of Taxes (PILOT) Revenue





## Recommended Next Steps



## Nest Steps

- Consider moving forward with further procurement development
- Watch for changes in relation to storage
- Pursue SolSmart designation
- Consider next steps for storage solutions



CADMUS

Next Steps

Thank You / Q&A



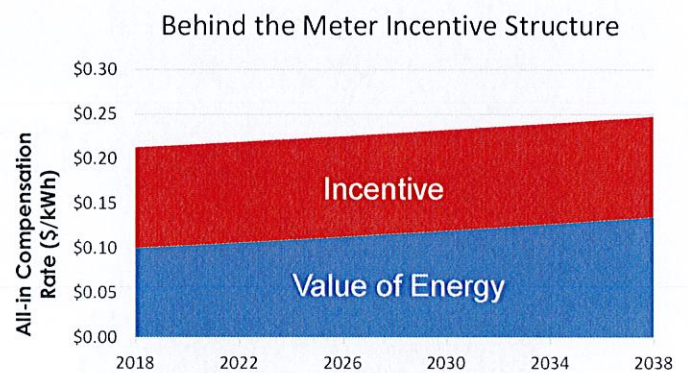
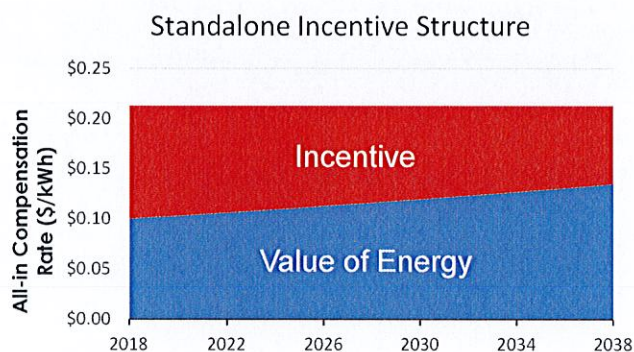




# Appendix

## Background: Solar Massachusetts Renewable Target (SMART) Program

- Summary: **Tariff-based incentive program** that replaced SREC II
  - Designed to offer **long-term, stable incentive** rates
  - Goal to provide incentives for the next **1,600 MW**
  - Focus on **rooftop and previously developed** sites



- Other Program Terms:
  - Fixed amount based on production**, similar to a feed-in tariff for standalone facilities
  - Agreement with investor-owned utilities** for 20-year term for large facilities (or 10-year term for small facilities)



## Behind the Meter (BTM) vs. Standalone Systems

- BTM: Solar array designed to serve on-site load before exporting power to the electrical grid
- Standalone: Solar array designed to export 100% of power generated to the electrical grid
- For any system employing an energy storage system, solar arrays should be designed as BTM to properly utilize the functionality of the battery
- All proposed systems are assumed to be BTM
- Standalone systems would not be able to realize demand reduction savings
- If the AOBC incentive through SMART is expanded to allow BTM systems, it would be more beneficial to configure the systems as BTM



# **Town of Fairhaven**

## ***Department of Planning & Economic Development***

Town Hall • 40 Center Street • Fairhaven, MA 02719

Telephone (508) 979-4082 • FAX (508)-979-4087

## **Memorandum**

Date: Friday May 22, 2020

To: Board of Selectmen

From: Paul H. Foley, Director of Planning & Economic Development

RE: Outline of Update of Activities of Department during State of Emergency

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### **1. Grants/Projects/Assignments**

- a. National Flood Insurance (NFIP) Flood Insurance Rate Map (FIRM) Update
- b. 2 Community Compact Best Practices Grants
  - i. Complete Streets RFQ
  - ii. Economic Redevelopment Study
- c. North FH Preliminary Traffic Study by SRPEDD and Response
- d. NB Port Authority re: dredging and revising Harbor Master Plan
- e. Union Wharf Grant – FOTH Contract
- f. CDBG-CV Research and Preparation

### **2. Planning Board**

- a. PB Meetings (4 via Zoom so far)
- b. Project Reviews: Bask; Mazda; Rogers School; Gas Station
- c. Constituent Questions

### **3. Committees/Boards**

- a. EDC – Redev. Study; Website Updates re SBA CARES ACT (PPP & EDIL); Tour of OZ
- b. CPC – Revised Reimbursement; Library Sidewalks
- c. SRTA - Advisory Board Zoom Meeting

### **4. Department Advancement/ Educational**

- a. In-house Geographic Information Systems (GIS) – Computer Mapping
- b. Gantt Chart Update
- c. National Planning Conference Online and various webinars and tutorials
- d. Coronavirus Updates: APA; MA Legislative Update

### **5. Weekly**

- a. Weekly Friday Economic Development Call with Lt. Gov., Sec. EOHED and MA SBA
- b. Weekly Wednesday Preservation Massachusetts GoTo Meeting
- c. JTPG (3) and MPO (2) at SRPEDD via ZOOM
- d. Talk w MER re: Bills; CDBG; Payroll, etc...



MEMO

TO: Board of Selectmen  
FROM: Mark Rees, Town Administrator  
DATE: May 28, 2020  
RE: FY21 Budget Process  
CC: Tom Crotty, Town Counsel  
Padraic Elliott, Chair of Finance Committee  
Mark Sylvia, Town Moderator

I met (virtually) with the Chair of Board of Selectmen, the Chair of Finance Committee, Town Counsel and the Moderator yesterday evening to discuss possible strategies to adopting some type of FY21 Budget given the uncertainty of state revenues due to the COVID 19 pandemic and the unique challenges of conducting our annual town meeting remotely.

The suggested path, subject to approval by the Selectmen and Finance Committee, would be:

- 1) Move forward with the Board of Selectmen approving the "1/12 Budget" at your meeting tonight. That action would serve two purposes: allow sufficient time for Division of Local Services to approve the "1/12 budget" as required by law prior to July 1, 2020 and serve as a contingency should something go wrong at the June 27, 2020 meeting or should that meeting be postponed.
- 2) The Division of Local Services has informed us that if we conduct a Town Meeting prior to July 1, 2020 the "1/12 budget" process is not an option and Town meeting has to approve a FY21 Budget regardless of fiscal uncertainties.
- 3) To provide sufficient time to address those uncertainties while maintaining municipal services, Town Meeting would be asked to adopt a "1/3 budget". The "1/3" budget would be similar to the "1/12 budget, in that it would take the FY20 budget but instead of dividing by 1/12, would divide it by 1/3 to provide funding for the first four months of FY21. Adjustments would be made to provide for seasonal or contractual expenses that require an appropriation greater than 1/3 of the FY20 budget, but there would be no expansion of services, new programs or additional personnel.
- 4) Prior to the end of October and when we have sufficient information regarding town revenues, a special town meeting will be held to finalize the FY21 budget.

