

Article 22

Municipal In-Town Solar Generation Task Force

Mr. Banfield moves that the Town
take affirmative action on Article 22
as printed in the handout

Changes from the Warrant

All references to the 'Climate Action Advisory Board' have been changed to read 'Climate Action Committee'

The final report delivery has been changed as shown below

The ~~CAAB~~ task force shall ~~report on final results~~ present the plan to the ~~Town~~ Select Board and to the ~~CMLP~~ Light Board.

Why Are We Here – Again?

- Solar Goal: 20MW by 2030 – Climate Action Plan
 - 7.5MW was created by 2017
 - None since that time
- 2022 Article 38 urged CMLP to develop a plan
 - Passed overwhelmingly
- Little to no progress on a roadmap to 20MW

Warning Signs Since TM 2022

- 6th Warmest Year on Record – NOAA 2022
- UN IPCC - Reductions needed from 2019 levels to halt global temperature rise at 1.5°C

Year	2030	2035	2040
Reduction Req'd	43%	60%	69%

Is Local Solar Important?

- CMLP electricity is now over 90% non-emitting
 - This offloads infrastructure to others*
 - Transmission lines are increasingly difficult to build*
- All renewables intrude on the natural world
 - We should accept our share of this burden*

Align Our Energy with Our Values

CMLP is contracting here



Brookfield, MA

But not building here



Main St Parking Lot

Align Our Energy with Our Values

We are changing mountaintops

But not our rooftops



Spruce Mtn - Woodstock, ME



Public Works, Keyes Rd

Our Neighbors are Finding a Way

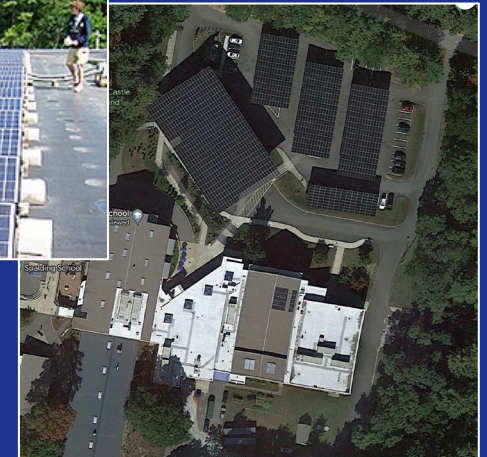
Acton Boxboro HS



Wayland HS



Lincoln Sudbury HS



Carlisle Public School

New Approach

- Limited Duration Task Force
- 5 Members
 - *CMLP Director, CAC liaison, 3 citizen appointees*
- Climate Advisory Committee (CAC)
 - *Oversight, periodic reporting*

Plan Elements

- Inventory Public Land Opportunities
- Refine financial modeling
- Address local grid vulnerabilities
- Develop Partnership process
 - *Unlock oppty's on Baker Ave, Emerson Hospital, etc.*
- Balance community priorities
 - *Conservation, Agriculture, Historical Character*

Benefits from Local Solar

- Local renewable energy serves demand peak
 - Transmission and capacity savings
 - Benefits are enhanced by battery storage
- Long term, known costs. No surprises.
- Reduced stress on wider New England grid

What Will This Mean?

- 20MW goal equals ~ 14% of power portfolio
 - Currently at 6% of power portfolio (7.5MWs)
- Numerous municipal sites available
- CMS not ready until 2025
- Get started now

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