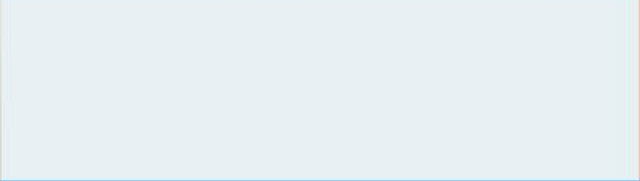


**COMMUNITIES
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on CLIMATE**

Morning Session 1 / Fort Western

Efficiency Begins at Home

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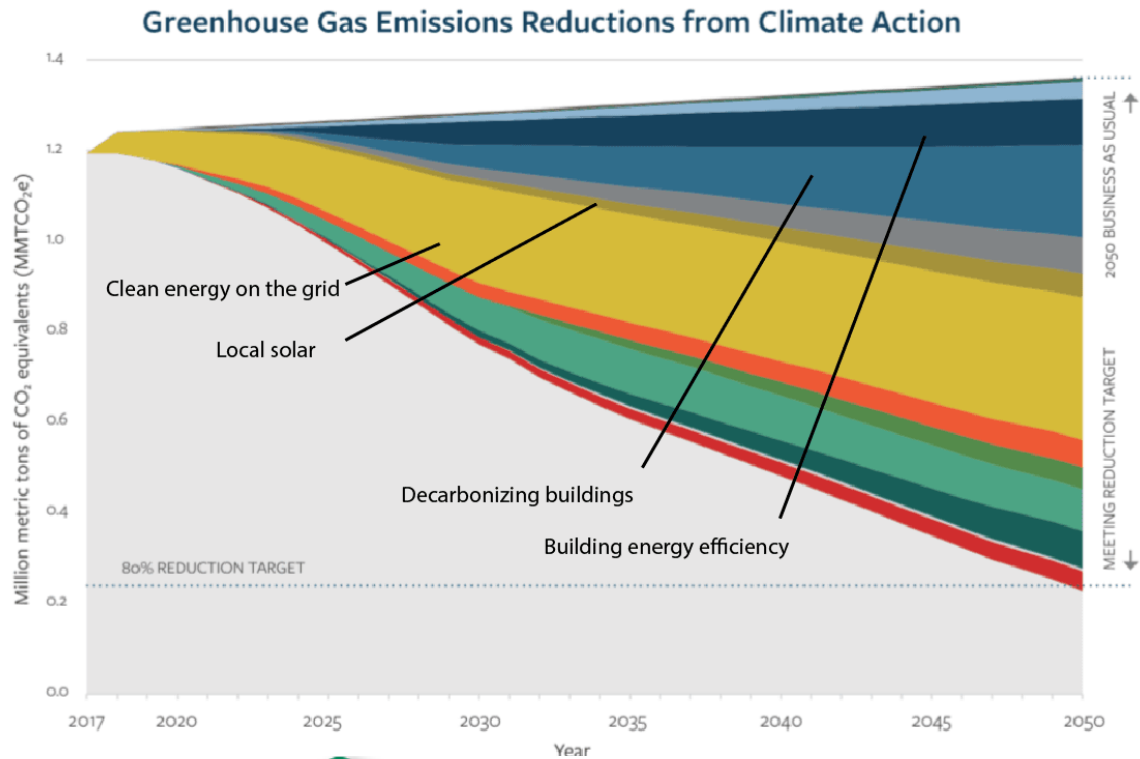
Troy Moon
Portland

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ELECTRIFY EVERYTHING!

A yellow lightning bolt icon and a yellow electrical plug icon, both with black outlines, positioned below the circular text.

The Challenge



- 60% of the Portland's CO₂ emissions come from burning fossil fuels in buildings.
- To meet our climate goals we need to help property owners decarbonize their buildings
- Kicking fossil fuels in favor of electricity is the best means to do so.
- People are interested in solar, heat pumps, heat pump water heaters, etc. but get overwhelmed by all the options.

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Process



Trusted single point of contact for information about equipment and financial incentives / financing.



Selected an experienced installation partner through a competitive process. Conducts site evaluations and designs projects for interested homeowners.



Ongoing outreach to promote the program – webinars, public meetings, social media, webpage, advertisements



Solutions/Results (so far)

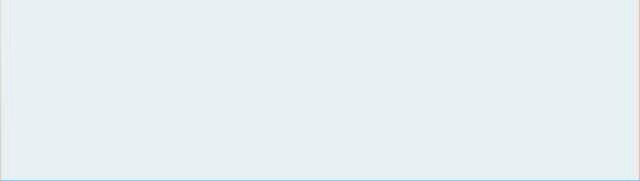
Equipment Under Contract:

- 10 Solar PV systems
- 16 ASHP
- 1 Battery Storage
- 5 Heat Pump Water Heaters
- 2 EV chargers

Advancing Goals:

- Promote beneficial electrification and eliminating fossil fuels
- Provide meaningful actions residents can take to advance climate goals
- Lay the groundwork for Electrify Everything! 2.0





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Rozanna Patane
York

York Climate Actions

The Challenge

- How can a small group of volunteers have a big climate impact?
- As a seacoast town, we see effects of climate change along Long Sands and downtown York Beach



Credit: Joel Page, AP 2006

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Process

Energy Steering Committee – A Select Board- appointed committee

- 14 years of successful projects established track record
- Showed town leaders we could cut carbon *and* save money
- Fire station, led streetlights
- We're not experts, we call experts in, learn from other communities

York Ready For Climate Action – A grassroots citizens' group

- Raised awareness in community, brought community to Select Board

Turning point: community-wide greenhouse gas emissions inventory presented to Select Board

- Showed biggest impact is in homes – about 2/3 of total emissions
- YRCA brought out 60 community members in t-shirts to meetings
- Select Board joined GCOM, committed to 0% carbon by 2050, funded CAP



Weatherization Project
window build 2016



Solutions/Results

- York climate action plan passed with 70% voter approval May 2022
 - 50 volunteers in working groups, 4 public meetings
- Energy Steering Committee + York Ready For Climate Action continue partnership = synergy
- Focus now on implementing actions
 - Energy Steering Committee: municipal policies, municipal assets, funding
 - YRCA: decarbonize homes, businesses, and vehicles

York's Climate Action

Plan: <https://civicmoxie.mysocialpinpoint.com/yorkcap>

York Ready for Climate Action: <https://yorkreadyforclimateaction.org>

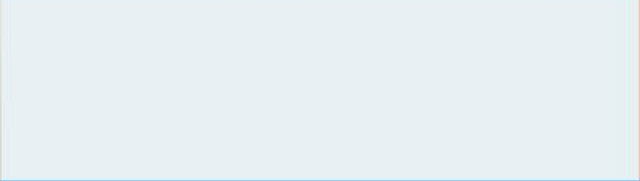


Credit: RealTerm Energy
2020



Credit: Wayne Boardman
2016





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Sam Critchlow

Maine School of Science and
Mathematics

Limestone/MSSM
Solar Project

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Versant Power customers will see 89 percent spike in power supply rate

by David Marino Jr.
November 16, 2021

Challenges:

- High energy costs (~90% annual increase)
- Limited school and town budget
- High municipal tax rate & unexpected costs (\$1.5M boiler replacement)
- Limited local grid capacity for new projects



The Limestone welcome sign. (Chris Bouchard | Aroostook Republican & News)

Limestone hires new town manager amid wave of leadership turnover

Hannah Catlin • October 11, 2021

Opportunities:

- Small but skilled town population
- NMCC and MSSM students/faculty
- Relatively inexpensive real estate
- Low labor costs
- Community spirit



Process

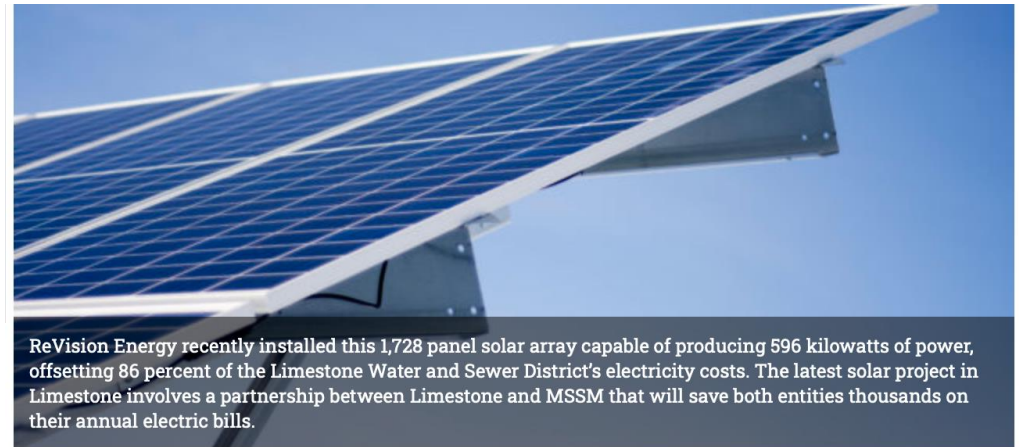


- Sign on with a PPA? ~15% savings leaves \$ on the table
- Limestone Sewer and Water District had realized significant savings via their own solar project
- Town substation and local grid at capacity with existing and planned projects
- Request for proposals goes out; only one viable plan
- Plan A: enter into a 1-year PPA with “The Power Company” (owner of Loring solar installations) with option to buy after a year
- Plan B: realize we have competition and fast-track research into purchase and being owner/operator
- Develop trust, execute deal, work out the details as we go
- Pursue grants

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Solutions/Results

- The solar generation sites have been purchased.
- MSSM/Limestone joint operation agreement in process
- Maintenance/refurbishment has begun
- NMCC and MSSM students have visited the site
- \$50,000 Community Resilience Grant
- The juice flows soon!

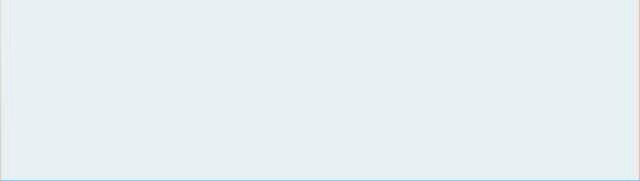


Solar partnership could save Limestone, MSSM thousands in electric costs

Melissa Lizotte • March 21, 2022

LIMESTONE, Maine — The town of Limestone and Maine School of Science and Mathematics are partnering on a solar purchase **agreement** that they expect will save both parties thousands of dollars on their annual electric bills.





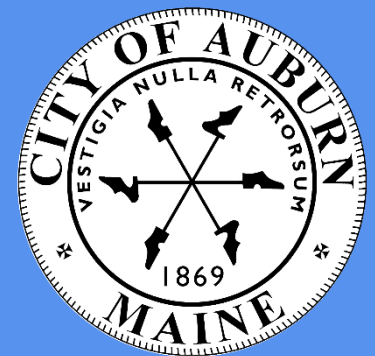
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Glen Holmes


Auburn's Director of Business +
Community Development

Sustainable Auburn




Auburn's commitment to a cleaner, greener city


 **THE CHALLENGE** | One of the highest costs of home ownership is energy. Auburn's City Council saw an opportunity to use ARPA funds to encourage residents to invest in clean, energy efficient home improvements.

 **THE SOLUTION** | The “Sustainable Auburn” matching rebate program for Auburn residents. Learn more: auburnmaine.gov



Auburn's commitment to a cleaner, greener city

 **THE PROCESS** | Staff verified use of ARPA funds for this purpose. Council appropriated the funds. Clear, simple guidelines were established & the program was launched. Local merchants help promote the opportunity.

 **THE RESULTS** | To date, nearly **\$100,000** in matching grants have been paid to Auburn residents. Program will continue with small adjustments to increase access to the program.





Sustainable AUBURN

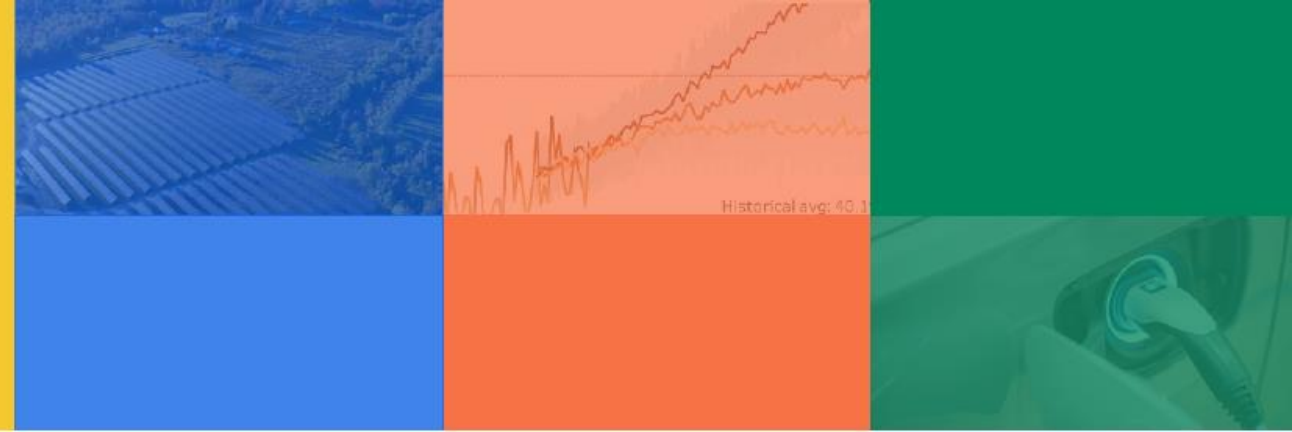
OUR COMMITMENT TO A CLEANER, GREENER CITY



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COMMUNITIES LEADING on CLIMATE

JUNE 17, 2022 8:30AM – 4:00 PM
AUGUSTA CIVIC CENTER, 76 COMMUNITY DR, AUGUSTA, ME



9:00 AM Welcome & Opening Remarks <i>(livestreamed)</i>	<i>Augusta/Pine Tree/Capital</i>	12:00 PM Networking Lunch	<i>Auditorium</i>
MCC co-chairs Hannah Pingree and Melanie Loyzim Remarks from Maine's congressional delegation Janet Mills, Governor of Maine			
10:00 AM Morning Session One		1:00 PM Keynote: Gina McCarthy, White House National Climate Advisor	<i>Augusta/Pine Tree/Capital</i>
Getting Started <i>(livestreamed)</i> Understanding Social Vulnerability Efficiency Begins at Home		<i>Livestreamed</i>	
11:00 AM Morning Session Two		1:45 & 2:45 PM Afternoon Workshop Sessions 1 & 2	
The Future of Transportation <i>(livestreamed)</i> Climate Ready Communities Engaging Your Community		<i>See printed agenda for full list & available livestreams</i>	
		3:30 PM Adjourn	