

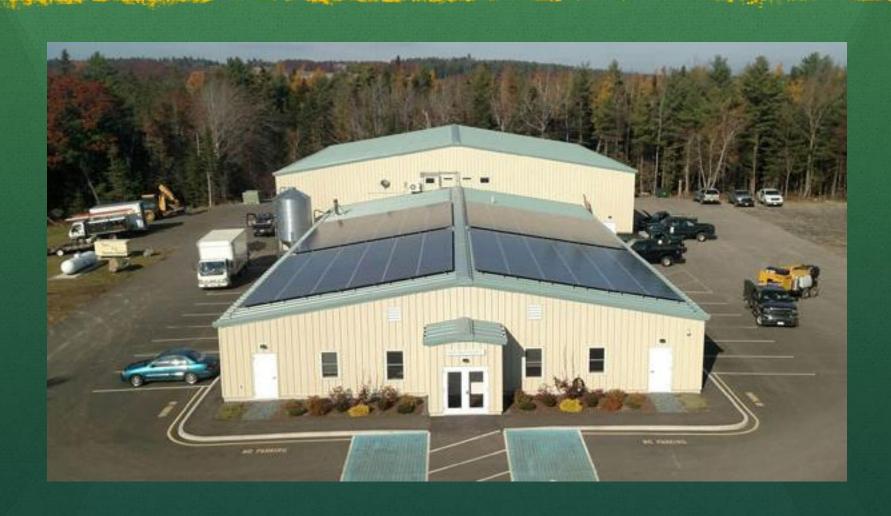
Gary Friedmann, Bar Harbor Town Council

Public Works Building

First municipal PPA in Emera territory (Energized 12.4.2015)

Largest Array on MDI: 288 panels/75kW

Annual output (projected): 75,000 kW hrs



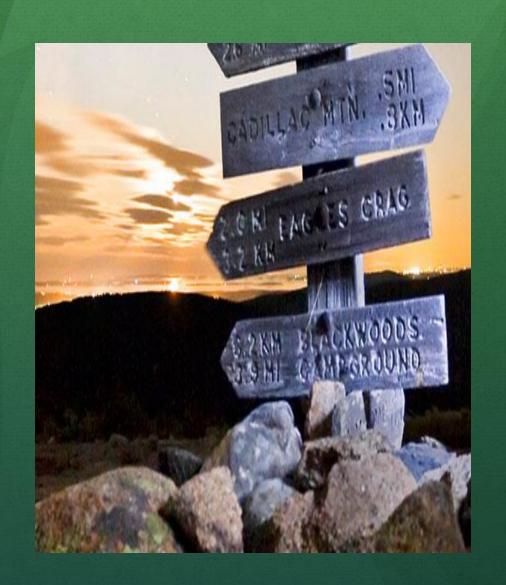


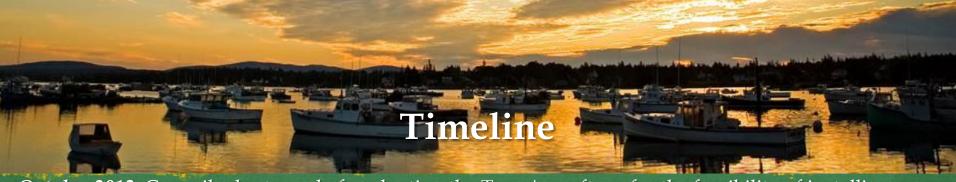
PPA Specs

Annual Solar Energy Payments (average - years 1-6): \$7,800 Renewable Energy Credits (RECs) average years 1-6: \$2,600 Approximate Value of system upon installation: \$225,000 Buyout after year 6 (projected): \$80,000

Advantages of the PPA

- No up-front cost to Town
- Town pays same or slightly less for electricity during first 6 years
- With 6-year CIP budget of \$13,000, can buy out system in year 7 and eliminate energy costs for that facility for 25 years
- For-profit corporation gets 30% Federal Tax Credit and depreciation
- Working with ReVision to manage peak loads during first 6 years will allow Town to save even more money





October 2013: Council adopts goal of evaluating the Town's rooftops for the feasibility of installing photovoltaic panels to reduce the Town's energy costs and carbon footprint.

Nov-Dec 2013: ReVision Energy selected as solar contractor.

January - March **2014**: COA Senior Project performs inventory of all town properties for PV potential; electricity consumption; and current costs per kWhr.

April-May **2014**: ReVision recommends 360kW PPA; Council accepts recommendations and begins search for investors.

Autumn 2014: Town begins investigation of Community Solar Farm options with ReVision

Winter **2014** *–Spring* **2015**: Legal requirement for Town Meeting approval requires meetings with Warrant Committee and public outreach.

June 2015: Town Meeting approves (87 Yes to 66 No) lease of Town property for PPAs and CSFs

Summer 2015: Council approves PPA contract and site for CSF

December 2015: PPA energized; CSF has 3 deposits and many more under consideration



- Do your homework
 - *Inventory prospective Town sites*
 - Economics and PR matter
 - Identify good partners to contract and finance the project
 - Cultivate support on Council and in Town staff
- Educate the community
- Establish short-term and long-term goals
- Celebrate Success!

Next Steps

- Solarize MDI in 2016
- Develop vacant Town property for solar power generation
- *A Climate to Thrive* A citizen's movement to make MDI Energy Independent by 2030, with initiatives toward:
 - Energy conservation and weatherization
 - Solar propagation
 - Other alternative energy developments
 - Sustainable transportation options
 - Local foods
 - Zero waste
 - Improved Public Policies that encourage and support a green economy