





- Outright purchase or finance.
- You make the call.
- You get the O & M.
- You get the incentives.
- Could move it or sell it with house – your call.

Know how much electricity.
Know your site.
Know your use now and in the future.
Know the technologies needed for your site.
Know the benefits to the environment – feel good!

Electricity: Bills usually show year history – or can be secured from your utility.

- Must know this because net metering currently secures maximum benefit at 100% or lower.
- Consider future as well number of residents future sale, electric cars, heat pumps, etc.

## Site.

- Consider your resource potential.
- Locational concerns for installation on roof, on ground, etc.
- Need good sun exposure.
- Can use Tigos or micro-inverters to maximize output.
  - https://matterzenergy.wordpress.com/2013/08/01/optimizing-optimizers-tigovs-solaredge/
- Consider impacts from abutting properties or trees not in your control may need to remove some of your own trees.



There will be challenges...

There will be permits:

Utility: Interconnection.

Local building/electrical.

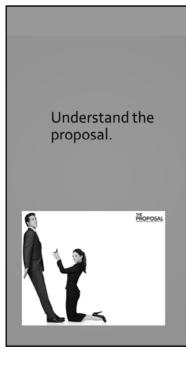
Home Owners Association Rules

- Array is installed to minimize shading on southern facing wall.
- Some say ugly I say wonderful.

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- As with any major purchase get a couple quotes.
- Usually get a free assessment with projections on output and savings
   know the variables.
- Additional research:
  - Renewable Energy Initiative.
  - Look to see if your community is participating in a Solarize Campaign.
  - You can check prices of equipment online.

- With the proposal check every number.
- Can look to non-traditional ways to participate with others see below.
- http://www.plymouthenergy.org/
- http://searei.org/
- http://solarupnh.com/news/launching-a-new-round-of-the-solarize-campaigns/
- http://myenergyplan.net/
- https://www.altestore.com/store/



- Make sure you get the full price.
- Understand projections and assumptions.
  - Watch out for high escalation assumptions.
  - Watch out for correct kwh price.
  - Be aware of potential changes in laws and rules.

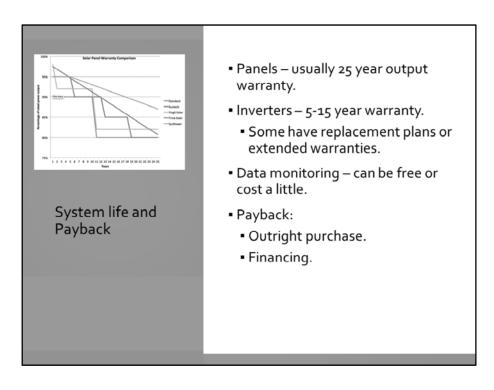
- Consider requesting the proposal with 2-3% rate increases over time.
- Be wary of 5% or higher.
- Check your bill for your actual all in rate for kwh.

## Tax Credit – set to expire at the end of 2016 on residential systems - currently 30% installed cost. State Rebate – 0.50\$/watt, total Incentives \$2,500 up to 30% of system cost limit is 10kw system. NH Electric Co-op has its own program. • Net metering – full credit at retail rate that can rollover. Check your ■ Be aware – soon could change. eligibility BEFORE you • NH Electric Co-op about 3.2 install. cents below retail rate

- http://www.puc.state.nh.us/sustainable%20energy/RenewableEnergyRebates-SREG.html
- http://www.nhec.com/renewable\_energy\_programs.php

	<ul> <li>Home equity.</li> <li>Low interest.</li> <li>Easy with existing relationship.</li> <li>Specialty product.</li> </ul>
Financing	<ul> <li>Installer may have access to loans (check the interest rate).</li> <li>Outright purchase.</li> </ul>
Tillancing	

• Bank programs from Solar Up: http://solarupnh.com/wp-content/uploads/2015/02/Solar-Financing-for-Solar-Up-NH2.pdf



Ask for warranty information as part of any quote.

## Look at it. Monitor it. Prepare for inverter replacement. Snow removal. Cleaning. Property Value. Could increase. Can get tax exemption in some towns. Studies show sale of house with PV increases value.

- The law: https://www.nh.gov/oep/energy/saving-energy/incentives.htm
- The list of towns: https://www.nh.gov/oep/energy/saving-energy/documents/renewable-energy-exemptions.pdf
- The form: http://revenue.nh.gov/forms/2013/documents/pa-29.pdf
- Studies are accurate appraisers are not.
- Study CA: https://emp.lbl.gov/publications/exploring-california-pv-home-premiums
- Study 2 National Bureau of Economic Research: http://www.nber.org/papers/w17200