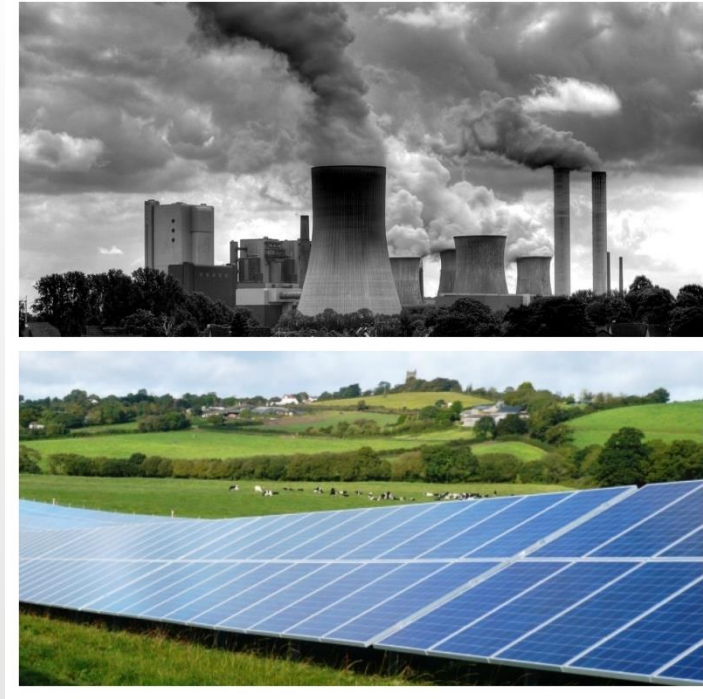




Solar Development: Community Solar Gardens

June 2015

Andrew Kellar
Founder
(603) 817-1175



www.NhSolarGarden.com



Key Terms:

kW: equals 1000 watts

MW: equals 1000 kilowatts (kW)

kWh: unit of energy consumed

PPA: Power Purchase Agreement or the long term energy contract

1 MW uses ~ 5 acres of land

1MW produces ~1,200,000 kWhs

3 Phase power: 3 lines at the highest point on a telephone pole



State of Solar in NH:

- SB 98 law passed in July 2014
- RSA 362-A:9 **Net Energy Metering** law allows energy to be shared within the same utility company's service territory
- ~36 MWs of available net metering projects allowed in NH
- 1 MW per legal parcel of land is allowed to be built in NH
- Central, south facing, Solar Garden host locations are identified
- Connection to 3 phase power lines at street for a 1 MW array
- Power is moved to other locations thru "The Grid"
- Long term energy solutions for non-profits, Municipalities & Schools
- Energy rates include the value of leasing land & kWhs sold to offtaker thru a PPA agreement

94.5% of schools in NH could save money by going Solar!*

Benefits to New Hampshire Communities

Option 1:

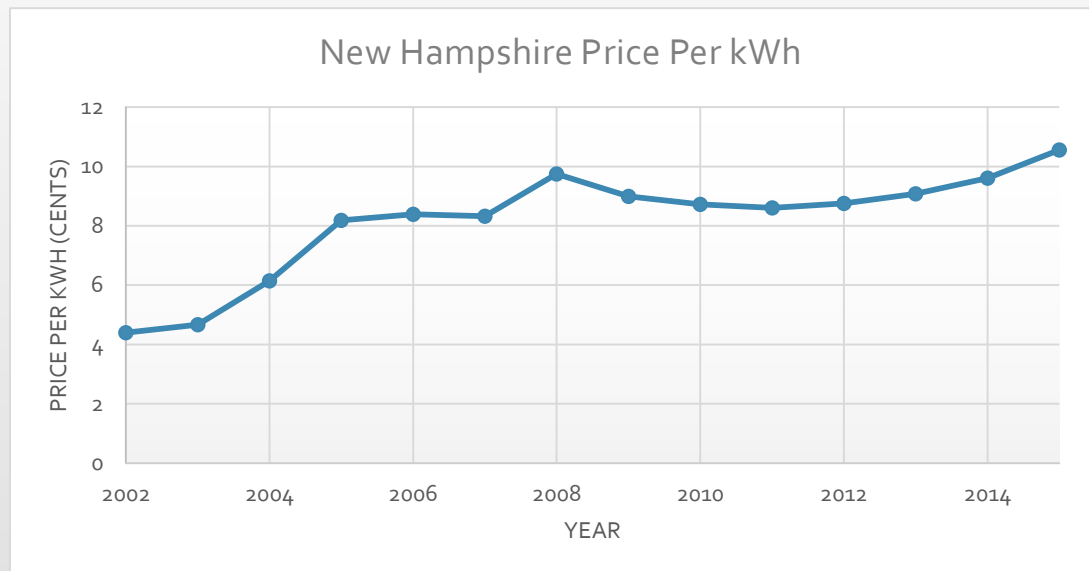
- Lease town owned land for solar gardens
- Long term stable income to community

Option 2:

- Create a new tax basis
- \$3,000-\$4,000 per year, per project

Option 3:

- Purchase clean energy from solar gardens
- Fix your energy budget with 5 pricing options
- Saves a town over \$1,000,000 over 20 years



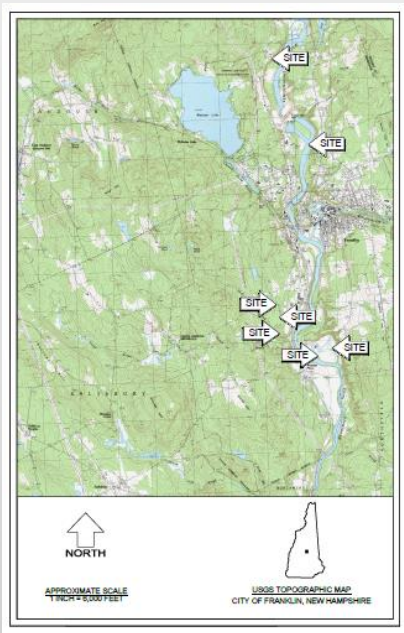
- NH is ranked 31st in solar installations at 7 MWs
- NH has the 8th most expensive electric rates in the US
- Power rates have escalated 7.6% annually over the last 12 years
- The ISO-NE forward capacity market rates will increase rates 2-3 cents per kWhs on ALL energy users in 2017

*source: Brighter Future: A Study on Solar in U.S. Schools

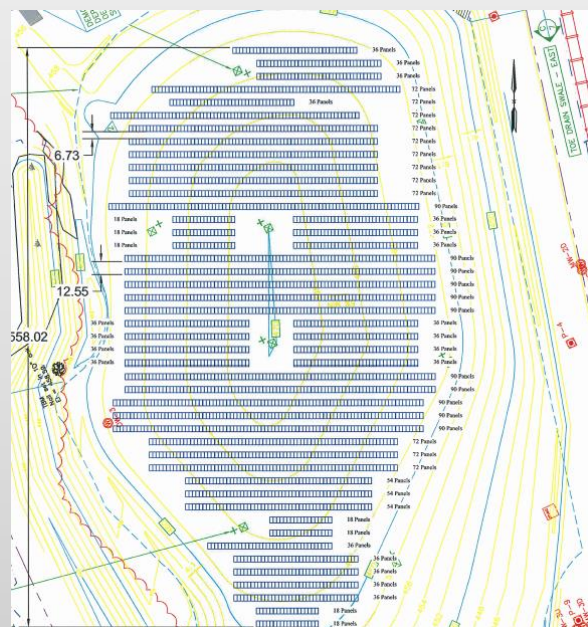
Towns are seeing effective kWh rates as low as 6 Cents!

Example Municipal Projects:

Franklin Solar Capital of NH – 10 MW solar garden. Over \$100,000 a year in land leases & over \$6,000,000 in energy savings



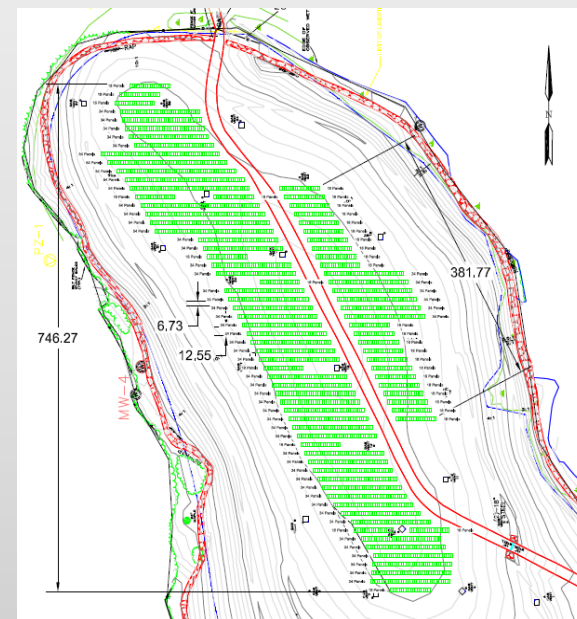
Milton Landfill – 848 kW solar garden. \$13,000 a year land lease & over \$800,000 in energy savings



Antrim WWTP – 368 kW solar garden. \$7,500 a year land lease & over \$250,000 in energy savings



Hillsboro Landfill – 848 kW solar garden. \$13,000 a year land lease & over \$1,200,000 in energy savings





Solar Development: Community Solar Gardens



Contact Information

Andrew Kellar
Founder

Andrew@NhSolarGarden.com

(603) 817-1175

www.NhSolarGarden.com

