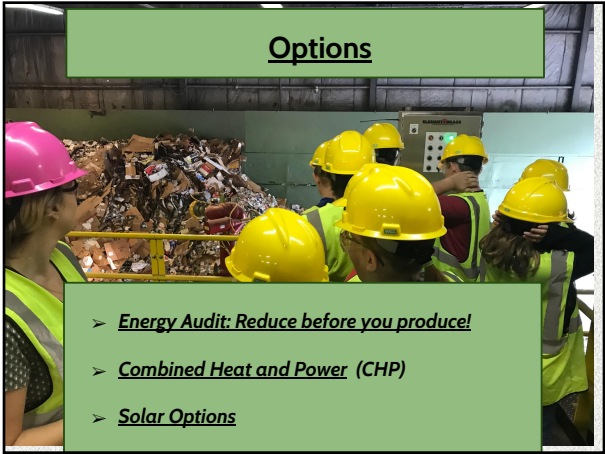




Options

- Energy Audit: Reduce before you produce!
- Combined Heat and Power (CHP)
- Solar Options



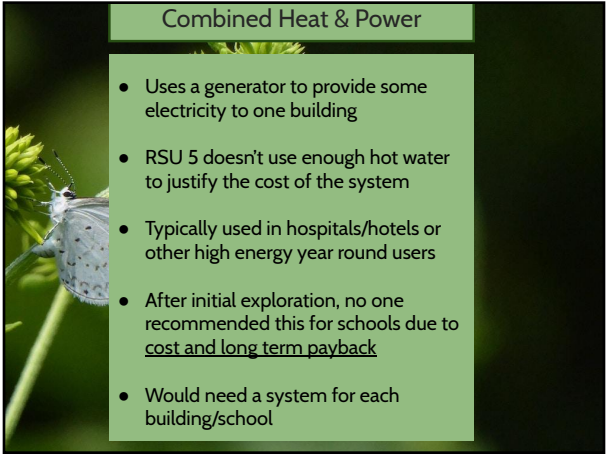
Audit

- Efficiency Maine: Scoping Audits
 - Lighting Efficiencies
 - Insulation Efficiencies
- Comprehensive Audit
 - All Schools
 - Mechanical Services
 - Apex
 - Honeywell
 - Cost
 - \$6-\$30,000



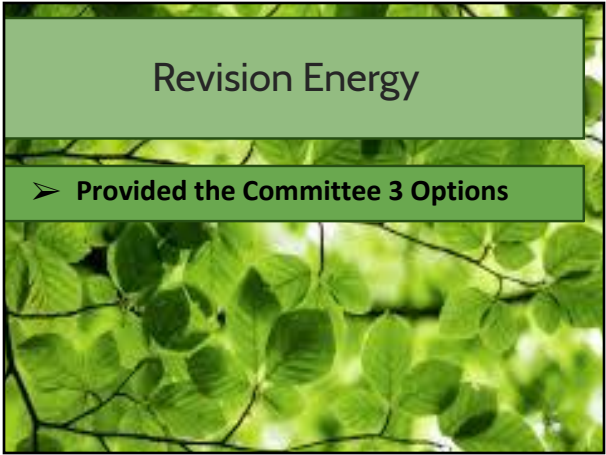


Efficiency Maine recommends an audit to identify potential projects and savings: reduce before you produce.



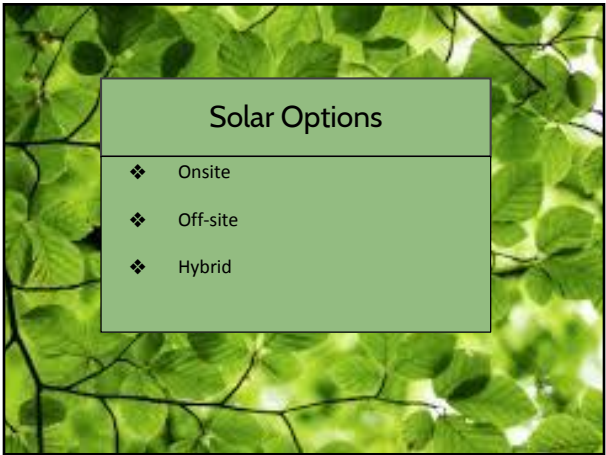
Combined Heat & Power

- Uses a generator to provide some electricity to one building
- RSU 5 doesn't use enough hot water to justify the cost of the system
- Typically used in hospitals/hotels or other high energy year round users
- After initial exploration, no one recommended this for schools due to cost and long term payback
- Would need a system for each building/school



Revision Energy

➤ **Provided the Committee 3 Options**



Solar Options

- ❖ Onsite
- ❖ Off-site
- ❖ Hybrid

On site Solar Project

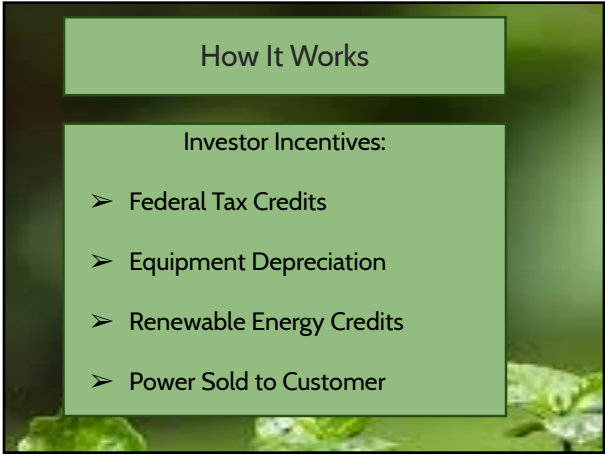
- Installed within the District, most likely on a roof, i.e. Freeport High School
- Investors purchase solar arrays
- No upfront costs in year one
- Six year buyout cost: \$383,000
- Ten year buyout cost: \$336,000
- Annual savings: \$6,000
- Life expectancy: 40 years

Off site Solar Project

- Installed on land outside the District
- Investors purchase solar arrays
- No financial costs to district other than the purchase of the power
- Annual savings: \$75,000
 - o Electricity Credit
- Term of PPA agreement: 20 years

Hybrid Solar Project

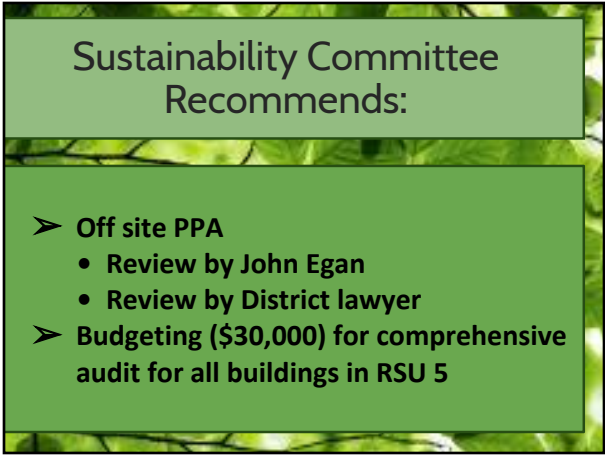
- Installed outside the District, most likely on land outside of RSU 5 and some solar panels installed in district most likely on a roof(s)
- Investors purchase solar arrays for offsite project, another investor purchases arrays for on site project
- RSU 5 would enter into a PPA for off site and another PPA for on site with another investor
- No financial costs other than the purchase of the power during PPA
- Buy out available for onsite at interval to be decided
- Annual Savings \$69,000
- PPA term: 25 years, at 25 years on site equipment would be offered at fair market value; life expectancy 40 years
- PPA term for off site is 20 years



How It Works

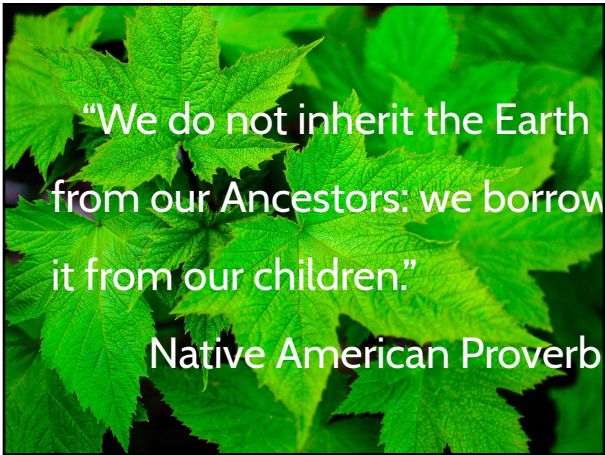
Investor Incentives:

- Federal Tax Credits
- Equipment Depreciation
- Renewable Energy Credits
- Power Sold to Customer



Sustainability Committee
Recommends:

- Off site PPA
 - Review by John Egan
 - Review by District lawyer
- Budgeting (\$30,000) for comprehensive audit for all buildings in RSU 5



“We do not inherit the Earth
from our Ancestors: we borrow
it from our children.”

Native American Proverb