Whereas the RSU Board of Directors recognizes the importance of promoting practices that strengthen the sustainability of RSU5 operations and facilities, while providing opportunities for environmental learning, we hereby charge the RSU5 Sustainability Advisory Committee (SAC) to inspire a sustainability ethic or mindset in RSU5 employees, students, and departments with the intent of identifying greener opportunities for RSU5 while being fiscally responsible.

Consultants
➢ Efficiency Maine: Ryan Collins
➢ Apex Engineering: Steve Sanderson
➢ John Egan
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
  - 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