

2024 Warrant Article 5 Info Sheet

The Town of Swanzey’s Wastewater Treatment Plant is the proposed host to a 208 panel, ground mount solar array sized at 122.7 kW that is estimated to produce 162,323 kWh of clean energy for the Town annually.

- **Environmental Benefits** This size project will offset over 159,000 pounds of carbon which is equivalent to annually removing 16 passenger cars from the road, brewing over 8 million cups of coffee, lightning a home with LED lightbulbs for 56 years, or planting over 1,100 trees.
- **Project Cost** The total project cost is quoted at \$374,765. Through funding from federal and state programs, approximately \$299,383 of the solar project’s cost is covered, leaving the Town of Swanzey to pay \$80,000 for the entire system.
- **Savings for the Town** The first year of energy savings for the Town is estimated to be \$31,410 making the project payback around 3 years. The option to sell RECs (Renewable Energy Credits) would provide an additional income of \$4,464 to the Town in Year 1.

This graph shows the levelized cost of energy. The Town of Swanzey falls into “Solar Purchase” since the project will be purchased outright. This means the levelized cost per kilowatt-hour is around \$0.023 for the next 40 years of the system’s commercial lifespan compared to the higher costs of a solar loan to build the project or utility funded energy.

Levelized Cost of Energy (40 Years)

