SOUTHWICK SCHOOL SOLAR PROJECT

Power Purchase Agreement

Through a partnership with Revision Energy & IGS Generation

ReVision Energy

IGS GENERATION
ENERGY SOLUTIONS OFF THE GRID

INTRODUCTION

- Proposal: Install a 130 kilowatt photovoltaic solar panel array on the rooftop, with no upfront capital expense to the school district.
- This will supply the majority of the electricity required by Southwick School, and will be accomplished through a Power Purchase Agreement with Revision Energy (or other provider), providing clean renewable energy for our students.

HOW DOES THIS WORK?

- The district would lease space on the Southwick School roof to the project developer, giving them access to install & maintain solar panels
- District would contract (PPA) with project developer to purchase the power produced by the panels
- After year 6, district could purchase the equipment
- After year 12 the electricity generated by the array would be near zero cost to the district

POWER PURCHASE AGREEMENT (PPA)

- Definition: a financial agreement whereby a developer handles the design, permitting, financing, installation and maintenance of a solar energy system on a customer's property at no cost. The developer then sells the electricity generated by the solar array to the customer (Southwick school).
- The PPA allows the school district to take advantage of tax incentives otherwise not available to a non-taxable entity (through the use of a third party—in this case the developer/investor), in order to make the system more affordable.

WHAT IF THE SUN'S NOT SHINING?

- This proposal calls for a grid-tied photovoltaic system. This eliminates the need for an expensive battery storage system that is costly to maintain.
- Net Metering allows the school to feed extra electricity into the power grid when the sun is shining, and "bank" credits for electricity from the utility, for use when the sun is not shining.

WHY A PPA?

- PPAs are now being used nationwide as the **least-cost pathway** to develop renewable resources for non-profit institutions.

- Zero upfront capital cost to buy clean, renewable solar power generated on our own rooftop at a slightly lower rate than the school's current utility rate.

- PPA allows the project to benefit from federal tax credits equal to almost half the project cost. Once the tax credit recapture period expires in six years, the school will have the ability to acquire the system at a fraction of its original cost.

SOUTHWICK SOLAR ARRAY (ENGINEER'S RENDITION)

Aerial View

Ground View

TAKEAWAYS

- Electric rates will be lower than the district is currently paying
- If buyout is exercised in year 6, payback will be completed by year 12 (approx.)
- After year 12, the school will continue to get clean renewable electricity from the solar array for the next 25+ years, at nearly NO COST!
- Projected to save $1.4 million over life of project