



On & Off-Grid Solar \* Back-Up Power \* Cabin Kits \* Batteries \* Wind \* Full Electrical Service

# Josh Schroeder

## 7.04kW Solar PV Grid Tie System

Presented by Dillon Zobel of Renewable Energy Systems

5/22/2026



Solar Proposal For:

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## Designing a Solution Just For You

At Renewable Energy Systems, we know every Alaskan home and business faces unique energy challenges. That's why we design solar systems tailored specifically to your needs, using advanced tools like 3D modeling, detailed mapping, and NREL's PVWatts software to maximize performance.

Our design process considers Alaska's long winters, shifting daylight hours, heavy snow loads, and rugged weather conditions to ensure your system runs strong year-round. Built with durability and reliability in mind, your solar solution will provide clean, dependable power and a solid return on investment for years to come.

### **RENEWABLE ENERGY SYSTEMS IS PLEASED TO PROVIDE THE FOLLOWING QUOTE:**

#### Quote for 7.04kW Solar PV Grid Tie System

- 16ea SEG monocrystalline bifacial 440 Watt solar panel: designed for optimal low-light performance, these panels feature bifacial technology, making them industry-leading in handling Alaska's harsh elements. They are also rated for high winds and heavy snow loads.
- 8ea DS3 grid tie inverter: integrated disconnect, UL1741 listed, real time monitoring via internet or smart phone of total system performance and power production.
- 1ea Solar Flush Roof Mount: U.S. made Iron Ridgeframe

#### **Always included with your installation:**

- Co-gen placards: clear labeling for solar generation to meet utility standards.
- Lockable PV Disconnect: Meets and Exceeds local utility standards.
- Bidirectional net-meter base.
- Power up and commissioning, **we handle the paperwork with your power company!**
- All necessary installation components such as conduit, fittings, wiring, breakers, etc.
- Utility Net Metering application (including one-line diagram.)
- Complete installation, system commissioning, and customer training.
- Complete installation of Electrical transmission lines and power up.

# System Production Estimates and Expectations

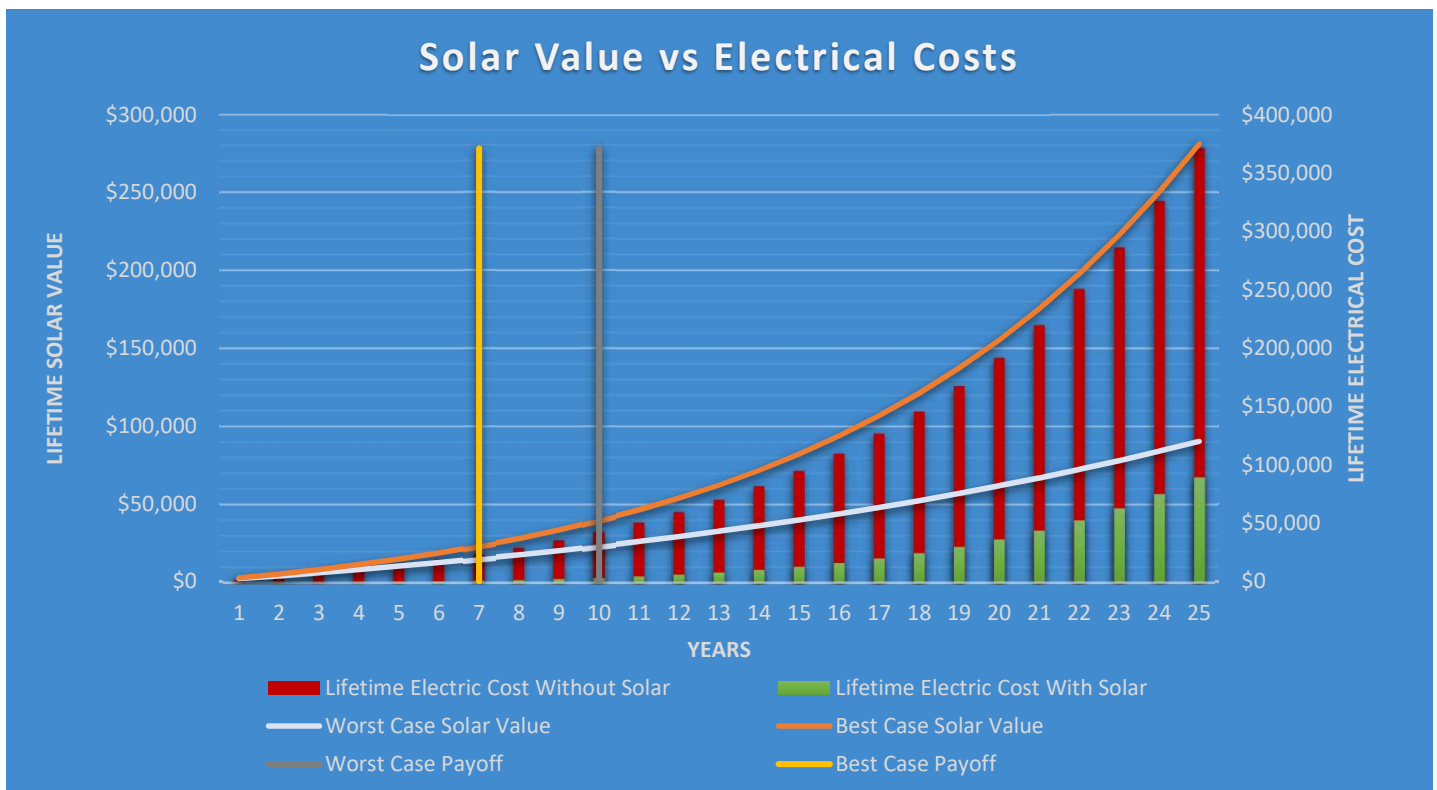
The following charts show an economic analysis of the PV systems. They make a number of assumptions, including 0.5%/year loss in production (general module degradation,) electrical rates increasing (conservatively) at 6%/ year. \*Results of these table are system performance estimates only, many unpredictable site factors can affect actual performance

## NREL's PVWatts<sup>®</sup> Calculator

Month	Energy Produced (kWh)	Energy Value (\$)
Jan.	3	1
Feb.	8	2
Mar.	657	184
Apr.	817	229
May.	822	230
Jun.	1176	329
Jul.	1014	284
Aug.	874	245
Sept.	683	191
Oct.	288	81
Nov.	2	0
Dec.	1	0
<b>Total</b>	<b>6345</b>	<b>1777</b>

**Solar Savings Over 25 Years Of Up To \$281,174**

**25 Year Electrical Cost Of Up To: \$371,001**



## Environmental Benefits of Adding Solar

Adding solar power to your energy mix not only provides significant financial benefits but also supports a sustainable future by harnessing renewable energy. In Alaska, where the nature is nearly endless, solar energy helps reduce reliance on fossil fuels, which can damage our environment over time. By choosing solar, you're not only saving money but also preserving the pristine beauty of our state for future generations to enjoy.

<b>100</b>	<b>Tons Of Carbon Offset Per Year</b>
<b>13</b>	<b>Cars Taken Off The Road For One Year</b>
<b>10272</b>	<b>Yearly Carbon Offset In Gallons Of Gasoline</b>
<b>2974</b>	<b>How Many Trees It Would Take To Offset The Same Amount Of Carbon Per Year</b>
<b>74</b>	<b>Carbon Offset Equivalent in Trees Planted Over the System Life</b>
<b>1273</b>	<b>Lightbulbs Powered For One Year</b>



### Our Parent Company

The Aleut Corporation (Aleut) is an Alaska Native regional corporation established under the Alaska Native Claims Settlement Act of 1971. It serves over 5,000 Unangaꔁ shareholders and descendants with a mission to provide economic growth and opportunities. Aleut's portfolio includes businesses in government and mechanical contracting, real estate, technology and infrastructure, fuel sales, port services, environmental services, and energy.

Retail Price: **\$27,034.00**

Spring Discount **-\$5,502.00**

**Your Price: \$21,532.00**

**Net Cost: \$21,532.0**

Quote does not include additional engineering, permitting or materials that might be necessary for the specific installation. Payment terms 50% down, 40% 1 week before install, and 10% after commissioning. If project is financed, payment terms are 10% deposit and adherence to Sunlight Financial terms and agreements. Quote estimate is valid for 30 days, 3 day right to cancel. All items normal stock subject to prior sale, production values are an estimate only. Complementary technical support available 30 days post system commissioning.

## Warranties:

**Solar panels:** 30 year product warranty and a 30 year power performance output warranty

**Inverters:** 25 year warranty

**FlashLoc Roof Penetration:** 25 year warranty\*

**All Other Materials:** 5 years for parts

**RES Installation:** 2 year Warranty

\*does not include labor cost for replacement

Josh Schroeder,

Thank you so much for your interest in solar! Going solar allows you to reduce your cost of energy essentially FOREVER! Not only that but you will be doing your part to improve the environment and help create a more sustainable future for your family and community.

This system is a completely turn-key package. We handle the entire scope of installation in house from initial consultation through to system power up and training.

On average, this system is designed to offset \$148 in monthly electric costs. It will also pay for itself many times over during its lifetime.

RES is proud to provide you with this proposal. A 50% deposit of \$10766, (or 10% if project is financed) allows us to commence work on your very own solar project! This deposit also allows us to lock in your pricing, allocate materials, and complete the cogeneration paperwork with the utility company.

Thank you again and please let us know if you have any further questions and we look forward to working with you on this exciting project!

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Sincerely, \_\_\_\_\_

Dillon Zobel



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