Northwest Electric & Solar

Washington Electrical License #NORTHES876MA

Designed and installed for those who desire excellence

This proposal contains:

A PV system size of: **8.93 kW**

Total cost of: **$23,383.50**

Prepared by:
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Northwest Electric and Solar

Prepared for:
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This offer is valid for 30 days from receiving this proposal.

Who We Are

Our Mission

Northwest Electric and Solar is committed to empowering individuals in Washington to seize control of their energy journey by harnessing the latest renewable energy technologies. By deploying these innovative solutions, we strive to build a sustainable future where residents can responsibly manage their electricity usage, generation, and storage. We deliver more reliable power and greater independence from the grid to customers ready to meet tomorrow's energy demands.

Experience and Expertise

Solar Power World's #1 ranked solar PV and battery storage company in Washington for 3 straight years.

Journey-level electrician on-site for every installation.

Office and Field staff combined solar experience of over 50 years.

Industry-leading equipment and labor warranties of 25 years.

Full-service electrical contractor that can handle any of your project's electrical needs.

Fair pricing, consultative approach, and a no-pressure sales process.

Our Work Experience

Connecting with our community since 2011 is how we've come to be a trusted, experienced, and continuous partner in electrifying Washington. We value the connections we have made over the years and are always seeking out new partnerships to enable more renewable energy adoption, empowering our community.

Solarize 2024

We've been selected to partner with Olympia Community Solar to be a certified participating contractor for the Solarize campaigns of the City of Kenmore and the Counties of Skagit, Island, and Whatcom. This is an active Solarize campaign running until July 4, 2024.

Solar for Northshore Utility District

A 66.03 kWDC roof-mounted solar energy system for the Northshore Utility District (NSUD), which offsets over 75% of their electricity usage. Northwest Electric and Solar were vetted by NSUD through their RFP process and selected due to their commitment to local businesses, quality of work, and 25-year labor and equipment warranty.

At Northwest Electric and Solar, we want to share our experience of going solar with homeowners across Washington.
Check out our reviews page on our website to see what others say about our work and check out the gallery on our Solar Service page to see what our finished installations look like!

Off-Grid Solar and Battery San Juan County

A remote off-grid standalone solar and battery installation. We utilized our solar and battery expertise by designing a system to function independently of any connection to a utility grid. Paired with a gas generator double-backup system, this home can run year-round without worrying about losing power. A logistical challenge that we overcame through concerted preparation, communication, and team effort from the office and on-field teams.

Solarize Bellevue

Northwest Electric and Solar participated in the second iteration of Solarize Bellevue. It was a great success, with dozens of homes installing solar energy systems. The Solarize campaign, backed by the City of Bellevue, helped plug hundreds of kW of solar into the grid. Saving homeowners money and reducing fossil fuel emissions! At the end of the Solarize campaign, we donated a solar energy system to the Boys and Girls Club of Bellevue.

Solarize Kirkland

In Kirkland, Northwest Electric and Solar partnered with the city and citizens to Solarize homes at group pricing rates! These homes are still producing heaps of solar energy seven years later. At the wrap of the Solarize Kirkland campaign, we donated a solar array to the Friend of Youth. Through community funding an expansion was added to the Friends of Youth Solar Energy System.

How Solar Works in Washington:

Net Metering

Often, the most misunderstood aspect of solar is also the most important! Net Metering is how you interact with the utility and ensure you use all the energy you make. The utility tracks how much power you send to the grid and lets you pull that energy back later for free as a credit!

Because our sun exposure is so seasonal here in Washington State, you'll likely produce more than you use in the summer, building up a credit with the utility company.

Then, during the winter months, when you're likely to use more than what you produce, you'll run off that credit. Your credit with the utility gets reset to zero on March 31 of every year, so we aim to size your system to your exact electrical consumption profile.

Solar Energy Incentives

Federal Investment Tax Credit

The Federal Investment Tax Credit (ITC) is a financial boon for those considering solar energy systems. Calculated as 30% of your total contract value, it's a dollar-for-dollar credit on your federal taxes. Both standalone solar energy and battery storage systems are eligible for the Federal ITC. To utilize this incentive, you'll want to complete IRS form 5695. The tax credit can be taken over multiple years if needed, but you do need to have a tax liability, making it a cost-effective option for many!

Washington Sales Tax Exemption

The solar sales tax exemption incentive in Washington State offers a tax break to individuals and businesses purchasing solar energy systems. Under this incentive, the sales tax on purchasing solar equipment, such as solar panels and inverters, is waived. If you buy batteries with your solar energy system, your batteries will also be tax exempt; standalone battery storage systems are not eligible for the sales tax exemption.

Going Solar with NWES

1. Request a quote, revise with sales rep and find the best solution for you!

2. Contract signed, 10% deposit, pay to trigger final review process.

3. Site assessment to dial in project details, pay 60% of contract price to order materials

4. Installation completed, final 30% deposit paid once inspection is passed

5. Utility swaps existing meter for bidirectional meter*

6. Once your utility swaps the meter, you can turn the system on and produce clean energy from the sun! Welcome to the future of energy in Washington

*Utility may take up to 5-10 business days to swap your meter.

Design and Equipment

Your solar design breakdown

8.93 kW

System Size

5,498kWh

Yearly energy produced

34%

Energy offset

System components

System

Q.TRON BLK M-G2+ 425W Qcells	Modules	Qty: 21
7.6kW Inverter Tesla	Inverters	Qty: 1

The attachment method for your home will depend on several factors, including your roofing material, the supporting structure, and the solar modules you choose. In some cases, we do need to involve a roofer. In this situation, we prefer to work with the roofer you initially had to install the roof.

Purchasing your system

System Financials

Price per watt: $2.62

Total system cost: $23,383.50

Federal ITC: $7,015.05

Net system cost: $16,368.45

Cash purchase

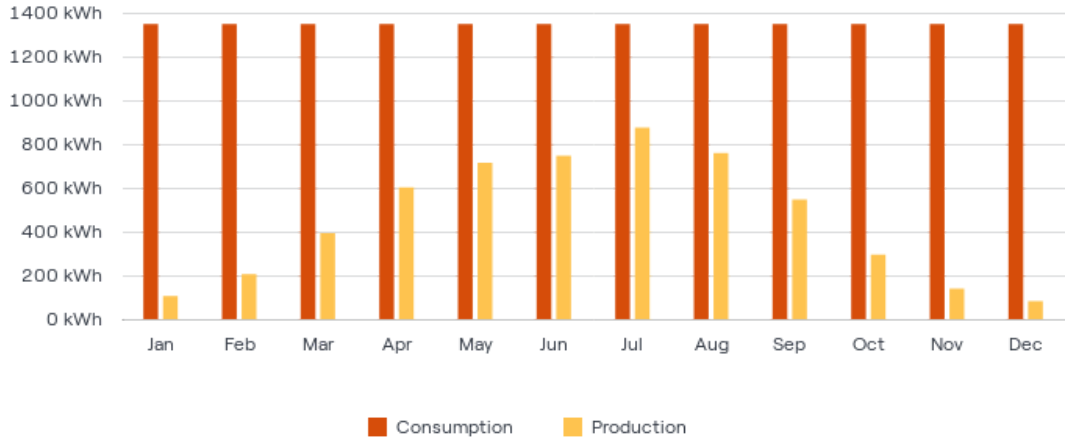
$746.08

First year energy savings

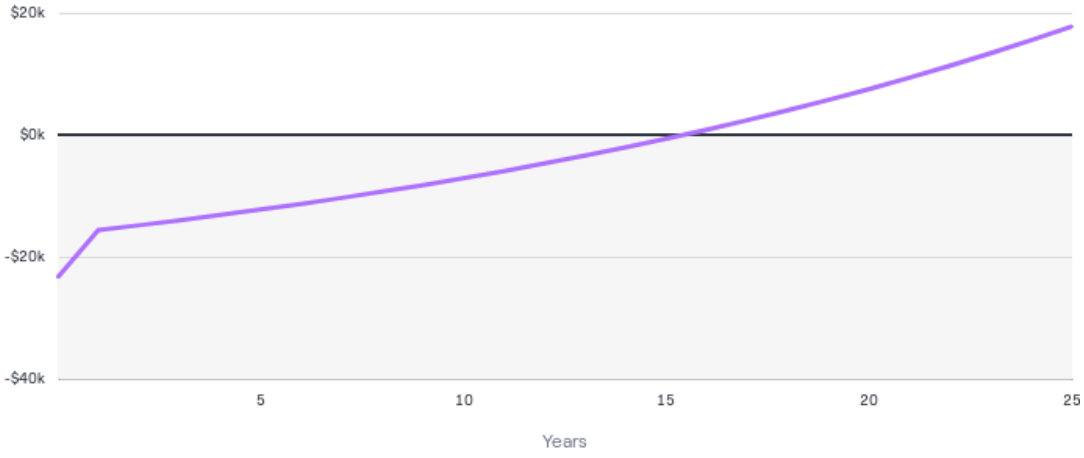
15.4 years

Payback period

Consumption vs. Production



Cumulative Cash Flow



Compare pre and post-solar bill

Pre-solar Year 1 estimate

Grid use	$172.25
Fixed costs	$7.49
Average monthly payment	$179.74

Total rate
$0.13 per kWh

Utility bill lifetime total
$100,899.75

Post-solar Year 1 estimate

Grid use	$110.08
Fixed costs	$7.49
Average monthly payment	$117.57

↓ $62.17

Utility bill lifetime total
$66,760.04

Savings in Numbers

Utility Rate Escalation: 5.00%*

$1,410.81

First Year Energy Savings

$4,513.71

Last Year Energy Savings

$62.17

Monthly Savings

*The utility rate escalation is the calculated average between all Washington utility escalation rates and may change over the years.

Your Custom Battery Energy Storage System

Capacity
—

Output
—

Cost
—

Backup allocation
—

Battery
—

Operating mode
—
Limit grid use by consuming the energy you produce

*Pay no sales tax on your battery storage system if paired with solar energy system.

Backup Power

Switching over to battery power is automatic when the utility grid goes down. The seamless transition has no ill effects on your electronics and appliances. When the grid comes back, another seamless transition switches you back. The battery will then automatically recharge from grid power or your solar energy system during daylight.

Self Consumption

Clean electricity from your battery is solely used for self-consumption. In Washington, you cannot send battery power to the grid for net metering credits as you do with solar electricity.

Load Shifting

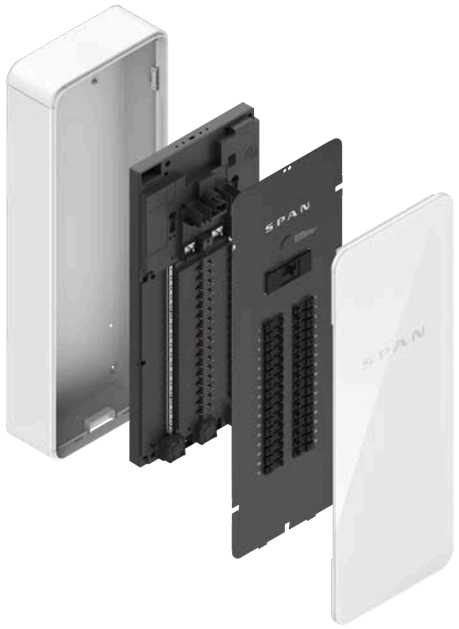
Suppose your utility has a “time-of-use” rate. In that case, you can save money using battery power during the most expensive rate periods and charging the battery up during less costly periods. Battery storage can offer financial benefits in California, where electricity during peak hours is costly or when a customer pays a high “demand charge.”

TESLA
POWERWALL
CERTIFIED INSTALLER
PREMIER INSTALLER

Work with Washington's Certified Premier Installer for Tesla energy products

SPAN

If you're planning on upgrading your home's energy by installing a solar system and/or battery backup, including a SPAN smart electrical panel in your project can help you get the most out of your investment.



40% longer whole-home backup

Prepare for future electrical upgrades

Monitor & control from anywhere

Powerful solar insights

Installing a SPAN panel can help you save money on your energy bills and be fully prepared for future home upgrades like EV chargers, heat pump HVAC systems or water heaters, and more—all while providing an unparalleled solar and whole-home backup experience.

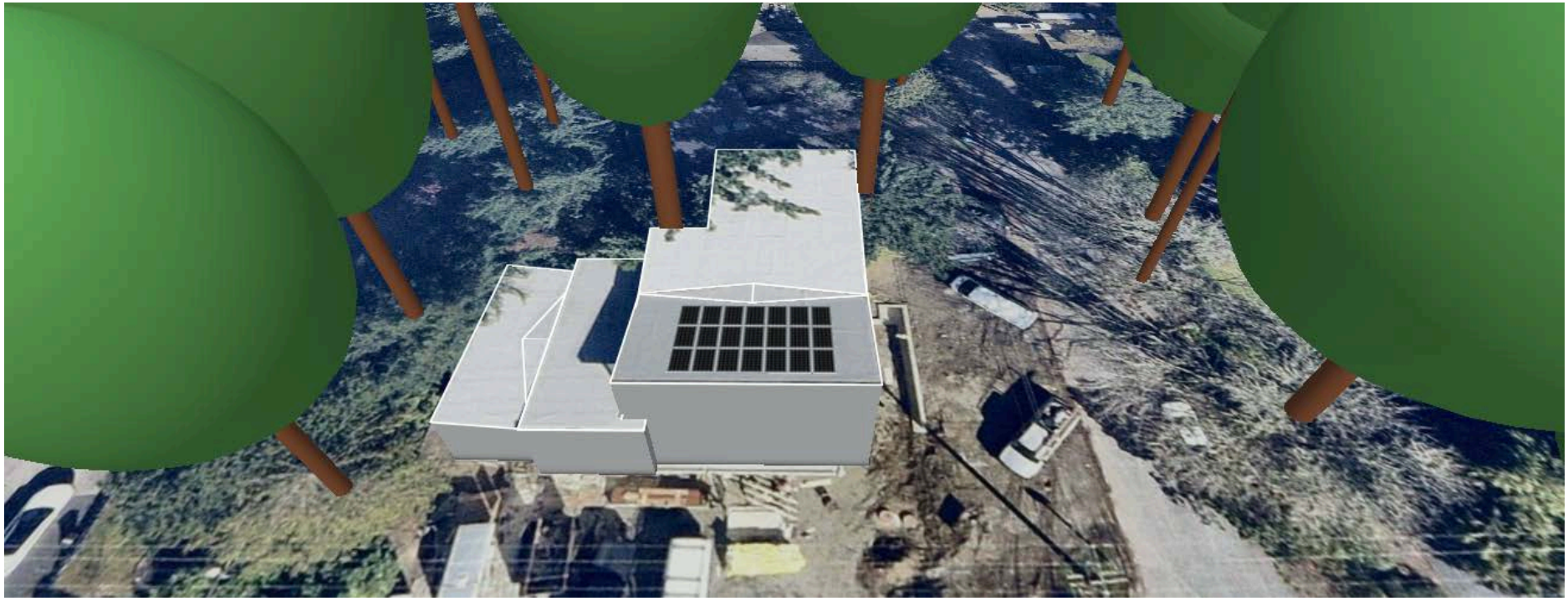
2024 SPAN PRO INSTALLER

Work with Northwest Electric and Solar, a certified pro installer, for your SPAN panel upgrade. Tell you Energy Consultant that you are interested in SPAN to get a free quote and learn more!

SPAN+Solar+1 Battery

Power during an outage	**Whole-home capable** — 40% longer backup with remaining uptime estimates (days, hours, and minutes), flexible real-time backup circuit selection
Save on energy bills with smart power scheduling	**Yes** — Peak time energy cost savings & circuit scheduling with Amazon Alexa
Learn from deep energy insights	**Yes** — Home energy data (including solar usage and production) available in the SPAN App
Turn circuits on/off remotely	**Yes** — Flexibility and control of your home energy from anywhere
Add value to your home	**Most value** — Prepare your home for future upgrades (EV charging, heat pumps, induction cooking, and more)
Gain peace of mind with real-time monitoring	**Yes** — Monitor solar and appliance energy usage to identify potential anomalies and take action when needed

System Summary



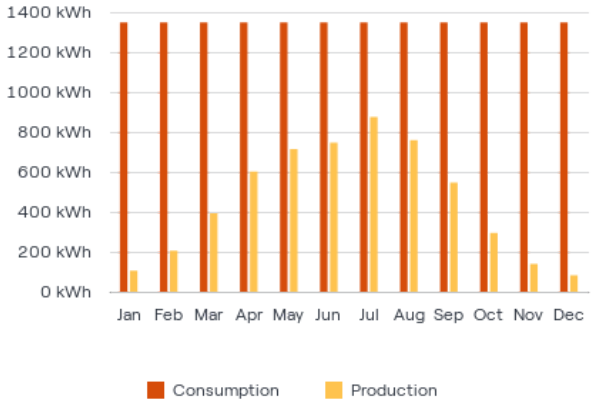
System components

Q.TRON BLK M-G2+ 425W Qcells Qty: 21	Modules	
7.6kW Inverter Tesla Qty: 1	Inverters	

System performance

8.93 kW	5,498kWh	34%
System size	Yearly energy produced	Energy offset

Consumption vs production chart



System costs

$23,383.50
Total system cost

$7,015.05
Federal ITC

$16,368.45
Net system cost

Cost details

$2.62
Price per watt

$746.08
First year energy savings

15.4 years
Payback period

Empower your future, enable sustainability

1,184
Trees planted

$17,771.24
Lifetime savings

$62.17
Monthly savings

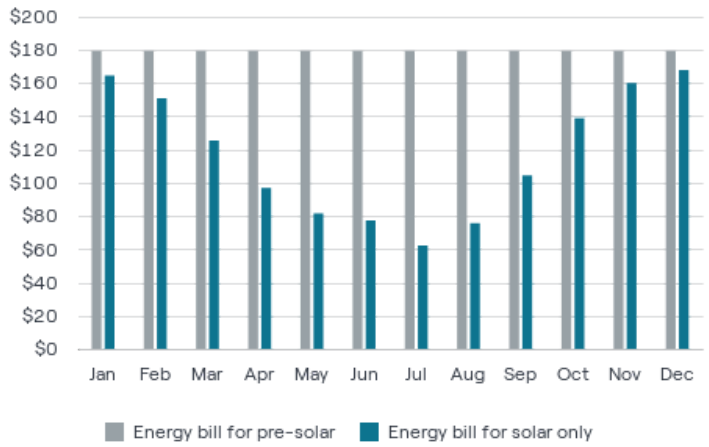
Designed and installed for excellence

Labor and equipment warranty **25 years**

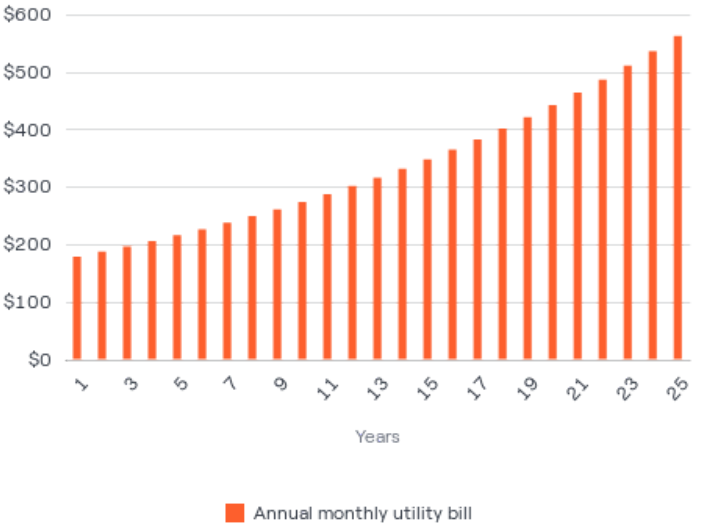
Full-service electrical contractor

Journey-level electrician for every installation

Monthly Utility Bill Savings pre and post-solar



Lifetime Monthly Average Bill Escalation at 5.00%



Northwest Electric & Solar

Get in touch

Have questions or concerns? Reach out to your solar sales rep at the email or phone number listed below

Name
Sam Smith

Phone number
+1 206 605 9903

Email
sam@nwsolar.com

Office location
18001 73rd Avenue Northeast, Kenmore, WA, USA

We also invite you to visit us at our shop in Kenmore and check out our solar energy system!

Disclaimers

Federal Tax Credit
To apply for the Federal Investment Tax Credit for solar energy systems in Washington, use Tax Form 5695. Complete Form 5695 by providing information about your solar energy system and calculating the eligible credit amount (which we provide in every solar energy system proposal). Finally, include the completed Form 5695 when filing your federal income taxes, ensuring accuracy to claim the credit successfully.

WA Sales Tax Exemption
As of July 1, 2019, the purchase and installation of a solar system in Washington (size 1 KW to 100 KW) are exempt from state sales tax. Customers are not required to pay sales tax on the entire solar energy system cost. The state legislature passed this incentive to support our state's continued growth of clean, renewable electricity. Installation must be completed by December 31, 2029, to qualify for the sales and use tax exemption.

Sales Tax Exemption for 100kW< Systems
For systems larger than 100 KW, a partial or complete sales tax rebate is available within parameters governed by CETA, the Clean Energy Transformation Act E2SSB 5116 (sections 18 and 19, Chapter 288, Laws of 2019) for further details).

Consult a tax professional
Both the Federal Investment Tax Credit (ITC) and Washington Sales Tax Exemption are managed by the purchaser of the system. We will provide the ITC form to submit on your tax returns and submitting is up to you to do.