



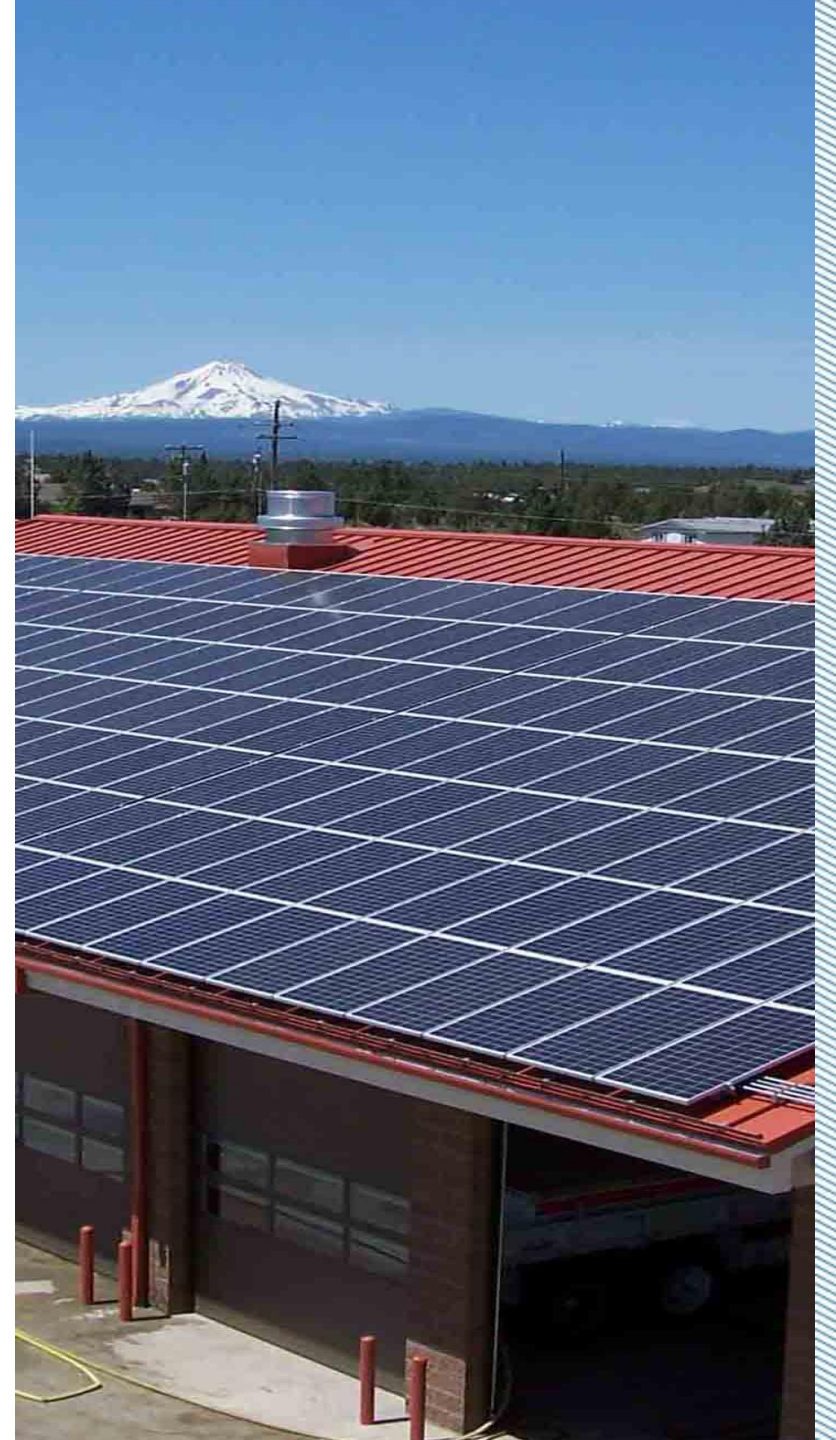
Solar Program Updates

October 2022 – Trade Ally Forum



Agenda

- Introductions
- Program Resources
- Future of Solar
- Incentive Highlights
- Federal Inflation Reduction Act



OREGON SOLAR ENERGY CONFERENCE

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Register Now! November 1-3, 2022

@ Portland Crowne Plaza

1441 NE 2nd Avenue, Portland, OR 97232

OregonSolarEnergyConference.com





SOLAR

FEATURED

May 20, 2022

Solar Within Reach for New Homes

Energy Trust is expanding its higher Solar Within Reach incentives to include new homes that will...

Solar

May 20, 2022

12 Ways to Avoid Solar Customer Complaints

Going solar is a big investment, and most customers we survey are excited about their installation...

Solar

May 20, 2022

Faster incentive payments with ACH direct deposit

Who wouldn't want to get their incentive payments faster? Many solar trade allies have been receiving...

Solar

FEATURED

May 20, 2022

Solar Power World seeking applications for 2022 Top Contractors list

Solar Power World is accepting applications for its 2022 Top Solar Contractors, which will be published...



Solar

May 20, 2022

Oregon Department of Energy launches Community Renewable Energy Grant Program

The Oregon Department of Energy (ODOE) has announced the launch of the Community Renewable Energy Grant...

Solar

FEATURED

May 5, 2022

Building with heart

SOLAR

Overview

Incentives

Trade Ally Rating

Business Development

Program Training

Solar Ready & Solar+Storage Ready

Forms & Resources

ENROLL IN THIS PROGRAM

TRAINING + EVENTS

See All

No upcoming events

POPULAR UPDATES

Solar Within Reach for New Homes
(Solar)Solar Power World seeking applications
for 2022 Top Contractors list (Solar)12 Ways to Avoid Solar Customer
Complaints (Solar)Oregon Department of Energy launches
Community Renewable Energy Grant
Program (Solar)Faster incentive payments with ACH
direct deposit...

INSIDER Newsletter

- Solar program-specific information
- Source for Solar program updates and industry news
- Sign up today!

insider.energytrust.org/solar

Business Development Funds

BUSINESS DEVELOPMENT FUND GUIDELINES

SOLAR TRADE ALLY NETWORK

As a trade ally, you may be eligible to receive partial reimbursement for marketing projects and training approved by Energy Trust of Oregon. Using the Energy Trust logo in your marketing pieces positions your business as a solar expert, and participating in training helps your business improve and grow.

Examples of eligible cooperative marketing projects

Print advertisements—Yellow Pages, direct mail and brochures

Digital media—online banner ads, pay-per-click ads

Radio and television advertisements

Outdoor yard signs and billboards

Apparel

Energy Trust trade ally logo may be embroidered or screenprinted on shirts, jackets or hats. Logo must be black or white and oriented horizontally on the left sleeve or chest.

Events

Trade allies can receive reimbursements for pre-approved event display costs.

Website

Website must follow print marketing guidelines and logo must hyperlink to www.energytrust.org/solar.

Training and continuing education

The following pre-approved trainings are eligible for business development funds:

- Trainings and workshops listed on the Training & Education Calendar at www.energytrust.org/ta/solar
- Classes offering continuing education units for Construction Contractors Board (CCB), Building Codes Division (BCC), and North American Board of Certified Energy Practitioners (NABCEP)
- Industry certifications (NABCEP Entry Level Exam, NABCEP PV Installation Professional, NABCEP PV Technical Sales Professional, NABCEP Company Accreditation)
- Conference registrations

To request reimbursement for other ir
pre-approval request form available a

Eligible expenses include:

- Cooperative marketing
- Cobranded Apparel
- Community Events
- Technical Training
- Conference registration
- Industry certification
- ...

Get pre-approved!!

www.energytrust.org/businessdevelopment

REIMBURSEMENT

To request reimbursement for sales, marketing, advertising, or other business development trainings, submit the pre-approval request form available from www.energytrust.org/ta/solar.

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Solar Incentive Status Report

Solar Incentive Status Report

October 18, 2022



About This Report

Energy Trust allocates funding for solar incentives in "steps." When funding in a step is fully reserved, the funding in the next step becomes available. This page shows all currently available installation incentives.

Solar Incentives		Portland General Electric	Pacific Power
Residential Incentives	Solar for Homes	\$500	\$600
	Solar Within Reach	\$1.20/W up to \$7,200	\$1.00/W up to \$6,000
Commercial Incentives	Solar for Businesses	\$0.20/W up to \$20,000	\$0.20/W up to \$20,000
	Solar for Tribes	\$1.50/W up to \$120,000	\$1.25/W up to \$75,000
	Solar for Affordable Multifamily Properties	\$1.25/W up to \$75,000	\$1.00/W up to \$60,000
	Solar for Qualifying Nonprofits		\$.75/W up to \$45,000
PGE Smart Battery Pilot	On-Bill Rewards	\$20 or \$40/month	
	Smart Grid Test Bed Rebate	\$3,000	

energytrust.org/solarstatus

Solar Incentive Status Report

Market Summary

October 18, 2022

Residential Applications

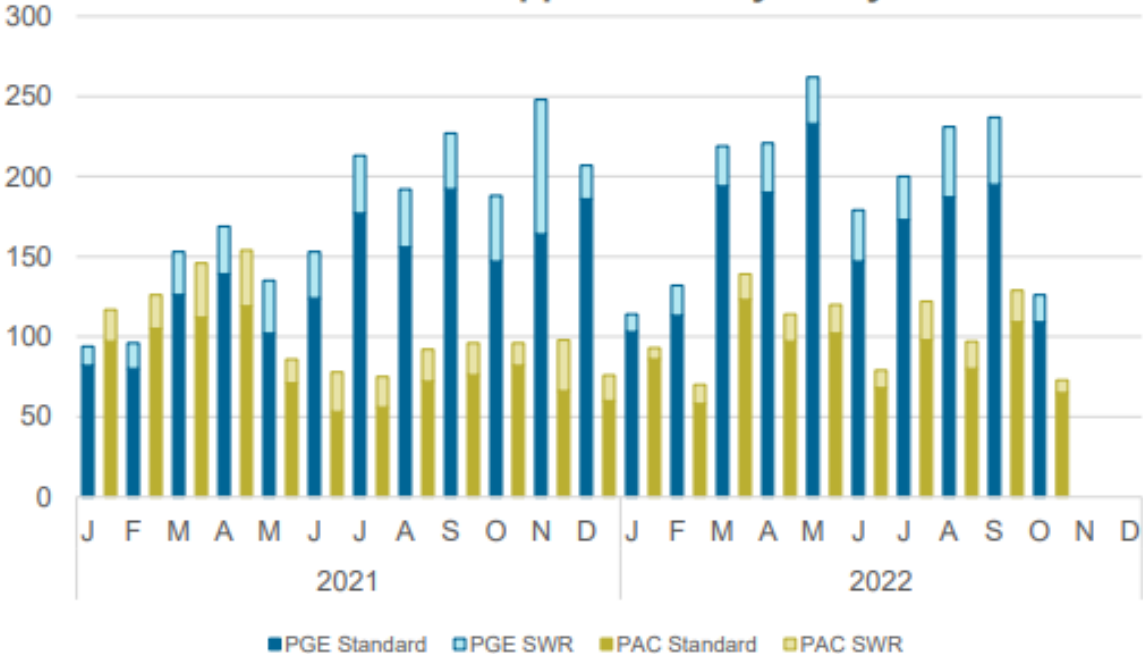
	Solar Projects	Capacity	Avg. Size	Avg. Cost
2003-2020	17,860	103,175 kW		
2021 Q1	732	6,603 kW	9.0 kW	\$3.72/W
2021 Q2	775	6,780 kW	8.7 kW	\$3.84/W
2021 Q3	895	7,324 kW	8.2 kW	\$3.84/W
2021 Q4	913	7,885 kW	8.6 kW	\$4.0/W
2021 Total	3,315	28,592 KW		
2022 Q1	767	6,690 kW	8.7 kW	\$3.92/W
2022 Q2	975	8,610 kW	8.8 kW	\$3.92/W
2022 Q3	1016	9,082 kW	8.9 kW	\$4.07/W
2022 Q4	0	kW		
2022 Total	2,758	24,382 kW		

Grand Total

Business, Tribal, and Multifamily Applications

	Solar Projects	Capacity	Avg. Size	Avg. Cost
2003-2020	2,047	110,134 kW		
2021 Q1	74	4,205 kW	56.8 kW	\$2.73/W
2021 Q2	65	4,176 kW	64.2 kW	\$2.30/W
2021 Q3	55	2,557 kW	46.5 kW	\$2.26/W
2021 Q4	52	2,889 kW	55.6 kW	\$2.38/W
2021 Total	246	13,827 KW		

Residential Applications by Utility



Business, Tribal, and Multifamily Applications by Utility



What makes some
solar more valuable?



Flexibility

Grid

Technology



Location

Deployment



Society

Resilience



Equity

★★★★★ Solar Trade Ally Rating System

- Energy Trust will be relaunching the star rating system and begin providing reports on system design and installation performance beginning early 2023
- Changes are being made to the scoring metrics and methodology
- GuildQuality customer satisfaction survey ratings will be incorporated





Solar Development Assistance

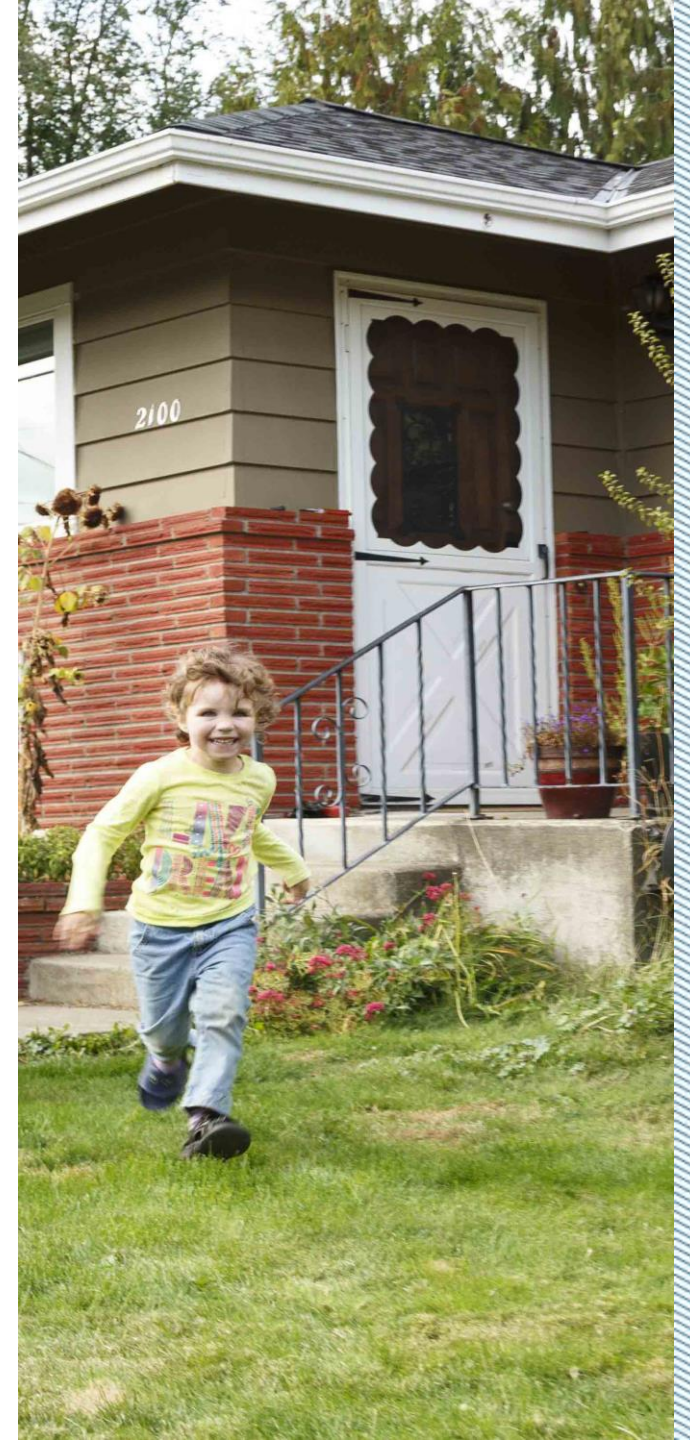
- 90% of cost for solar and solar+storage system design up to \$1,800
- Designed to mitigate risk to contractors for new construction, public and nonprofit projects
- Supports public procurement process
- Complements nonprofit and public projects applying for grants (eg Blue Sky, PGE RDF, ODOE C-REP, Portland Clean Energy Fund, USDA REAP, Inflation Reduction Act, etc.)

Solar Within Reach

- Higher incentive for income-qualified homeowners
- Offer available to select pool of trade allies
- Incentive available for new construction
- In 2023, more income-qualified incentives will be announced

Trade ally requirements

- History of high performance
- No complaints/discipline
- Participate in training
- Sign service level agreement
- Provide 7-year full warranty





PGE Smart Battery Pilot



- Energy Trust is working with PGE to deliver the Smart Battery Pilot
- Some projects qualify for upfront incentives to decrease the cost of installation
- Customers receive monthly payments for allowing the utility to use their battery
- Energy Trust and PGE are also working on a Smart Inverter research project
- PAC is planning to propose a similar program in 2023

Federal Inflation Reduction Act – What We Know...

- Tax Credit increased to 30% for Residential (25D) and Business ITC (48) starting in 2022 for 10-years
- Direct Pay will be permitted for tax exempt entities
- “Standalone” energy storage projects qualify
- Incentives available for home electrical upgrades for low-to-moderate income customers





High-Efficiency Electric Home Rebate

- \$4.275 billion for grants to State Energy Offices to establish rebate programs for home electrification.
- Importantly, this explicitly includes rebates up to \$4,000 for “electric load service center upgrades,” i.e. main panel upgrades and up to \$2,500 for “electric wiring.”
- These provisions are capped at 50% of qualifying costs for households making between 80% and 150% of area median income.
- It appears that households earning more than 150% of area median income are not eligible for these rebates.

Additional Provisions

- Additional \$1 billion for rural renewable energy electrification loans and expansion of the program to include storage (USDA)
- Additional \$1B for REAP, with total grants limited to 50% of the total cost of an eligible project (USDA)
- \$9.6B for loans and financing for rural co-ops to purchase renewable energy, generation, zero-emission systems, and related transmission, limited to 25% of total cost (USDA)
- \$3 billion will be available as a block grant to fund environmental justice projects for disadvantaged communities. (EPA)



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