

# Evergreen Options Program Update

Power Management | Customer Energy Programs

**Public Utility Board**  
**July 14, 2021**



# History

- Mandated by Washington Legislature
  - RCW 19.29A.090
- “Beginning January 1, 2002, each electric utility must provide to its retail electricity [electric] customers a voluntary option to purchase qualified alternative energy resources...”

# Overview

- Evergreen Options program offered since 2000
- Voluntary program for residential and business customers
- Participant funds purchase Renewable Energy Certificates (RECs) from regional renewable energy projects

# ●●● 2017 Overhaul

- Amended our offering
  - To create an engaged community of participants
  - Added the feature of grants for alternative renewable energy projects for schools, non-profits and government organizations
  - Grants are capped at \$50,000
  - Participants vote to determine grant recipient
  - Ongoing program designed to be self-funding

# ●●● Enrollment Options

- Fixed purchase: Blocks of 250 kWh @ \$3 each per month
- Percent of use plan: 1 to 100 % of your monthly electric use priced at 1.2 cents/kWh over your normal monthly electric charges.
- Un-enroll or change participation level at any time

# ●●● Participation in 2020

Customer Count	2020-Q1	2020-Q2	2020-Q3	2020-Q4	2020 Average
Commercial	21	21	20	25	22
Residential	969	954	945	934	951
<b>Total</b>	<b>990</b>	<b>975</b>	<b>965</b>	<b>959</b>	<b>972</b>

Contributions	2020-Q1	2020-Q2	2020-Q3	2020-Q4	2020 Total
Commercial	\$ 5,280	\$ 5,293	\$ 5,240	\$ 4,848	\$ 20,662
Residential	\$ 10,533	\$ 11,133	\$ 9,802	\$ 10,427	\$ 41,894
<b>Total</b>	<b>\$ 15,813</b>	<b>\$ 16,425</b>	<b>\$ 15,042</b>	<b>\$ 15,275</b>	<b>\$ 62,556</b>

# ●●● Renewable Energy Certificates

- A Renewable Energy Certificate (REC) is created for every megawatt-hour (MWh) of electricity generated from a renewable energy resource
- All renewable energy resources produce RECs

# ●●● Purchasing RECs

- Based on customer contributions, we are obligated to purchase Renewable Energy Certificates (RECs)
- Ops and Trading team locates qualifying RECs from sources in Washington, Oregon and Idaho
- RECs purchased below \$12/MWh, remaining contributions fund administration, marketing and local renewable grants
- Since program inception, purchased over 206,173 RECs from wind and solar generation in the Pacific Northwest



# Grant Program

- Offered annually, up to \$50,000
- Eligible projects include solar, wind, geothermal, landfill gas, biomass, and tidal wave

# Grants awarded

Grant Recipient	Size of Solar Project	Grant \$ invested
Point Defiance Zoo	24 kW	\$50,000
Bates Technical College	3.7 kW	\$41,500
Franklin Pierce School Farm	20 kW	\$50,000
Tacoma Housing Authority Arlington Drive Campus for homeless youth	10 kW	\$50,000
Jason Lee Middle School*	99.9 kW	\$50,000
Shiloh Baptist Church*	19.78 kW	\$50,000
Total	177.38 kW	\$291,500

\*Project under construction



2017

## Point Defiance Zoo and Aquarium



Before



After

## Bates Technical College

- South Campus parking lot
- Installed solar lighting
- Increased safety

## Tacoma House Authority

- Arlington Drive Campus
- Homeless Youth Facility
- Rooftop solar





• • • 2019

## Franklin Pierce School District

- Rooftop solar at The Farm



## Jason Lee Middle School

- Rooftop solar
- Fundraising underway
- Installation planned for Q3 2021



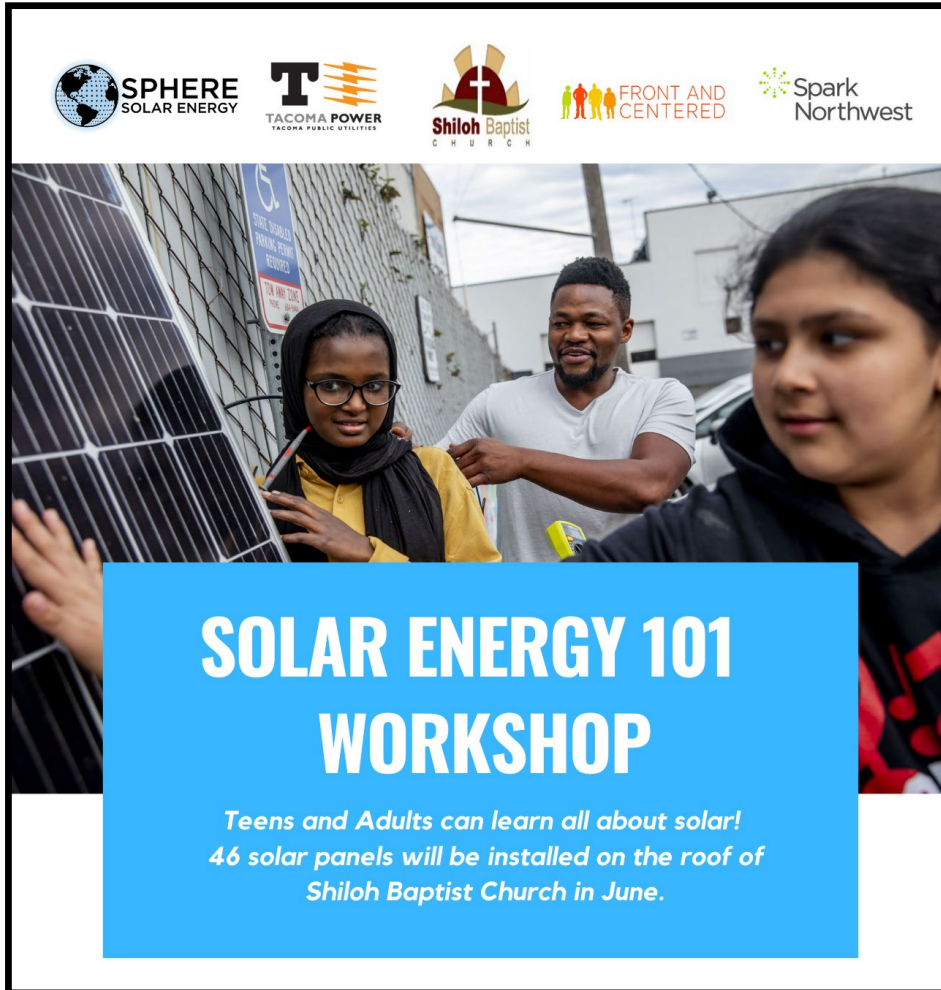
## Shiloh Baptist Church

- Rooftop solar
- Installation - June 21
- Ribbon cutting event - July 16





# More than a solar array

A poster for a 'SOLAR ENERGY 101 WORKSHOP'. The top section features logos for Sphere Solar Energy, Tacoma Power, Shiloh Baptist Church, Front and Centered, and Spark Northwest. Below the logos is a photograph of three people (two women and one man) looking at a solar panel. A blue box at the bottom contains the text 'SOLAR ENERGY 101 WORKSHOP' and a description of the event.

**SPHERE**  
SOLAR ENERGY

**T**  
TACOMA POWER  
TACOMA PUBLIC UTILITIES

**Shiloh Baptist**  
CHURCH

**FRONT AND  
CENTERED**

**Spark**  
Northwest

**SOLAR ENERGY 101  
WORKSHOP**

*Teens and Adults can learn all about solar!  
46 solar panels will be installed on the roof of  
Shiloh Baptist Church in June.*

- Educational opportunity
- Shiloh Baptist kick off event
- Led by Sphere Solar
- Career exploration opportunity for youth



- Accepting applications through August 20, 2021
- Complete program information on our website at [MyTPU.org/Evergreen](https://MyTPU.org/Evergreen)