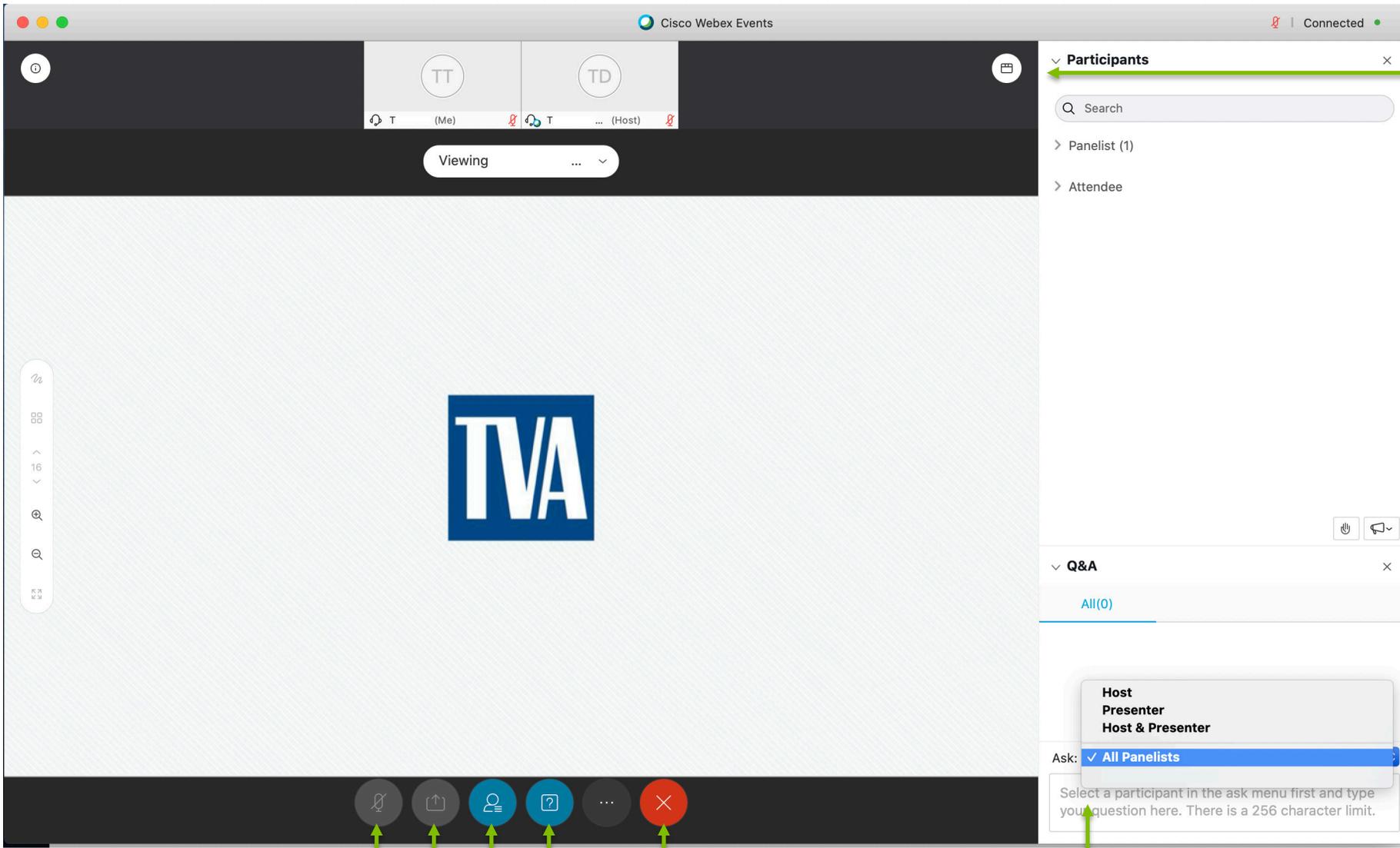


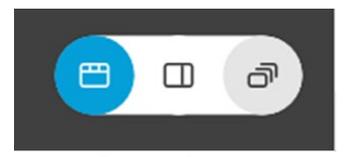


TVA Renewable Energy

August 21, 2020



To change the view, select icon. In Thumbnail view (1 default), the focus shifts to the shared content when someone starts sharing. The Side-by-Side View (2 middle selection) allows you to view the shared content next to videos of presenters.

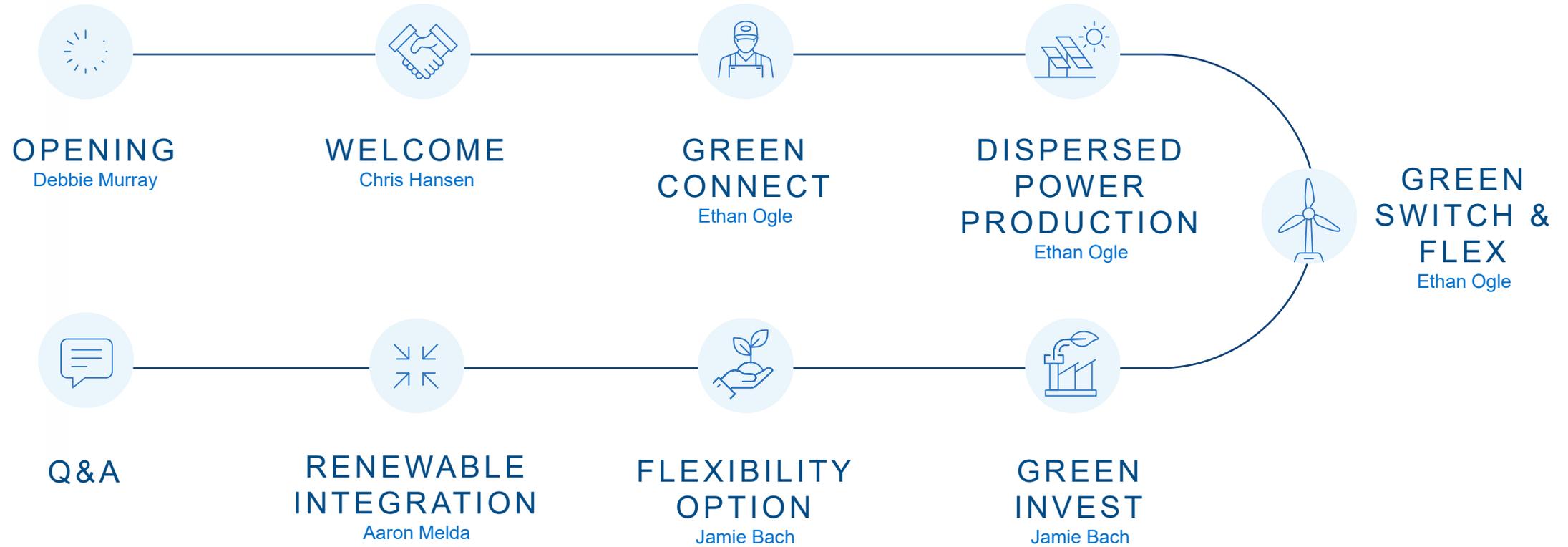


1 2

Mute
Share (disabled)
Participants
Ask a question
Exit event

Q&A: When available, ask a question here and direct to All Panelists or an individual.

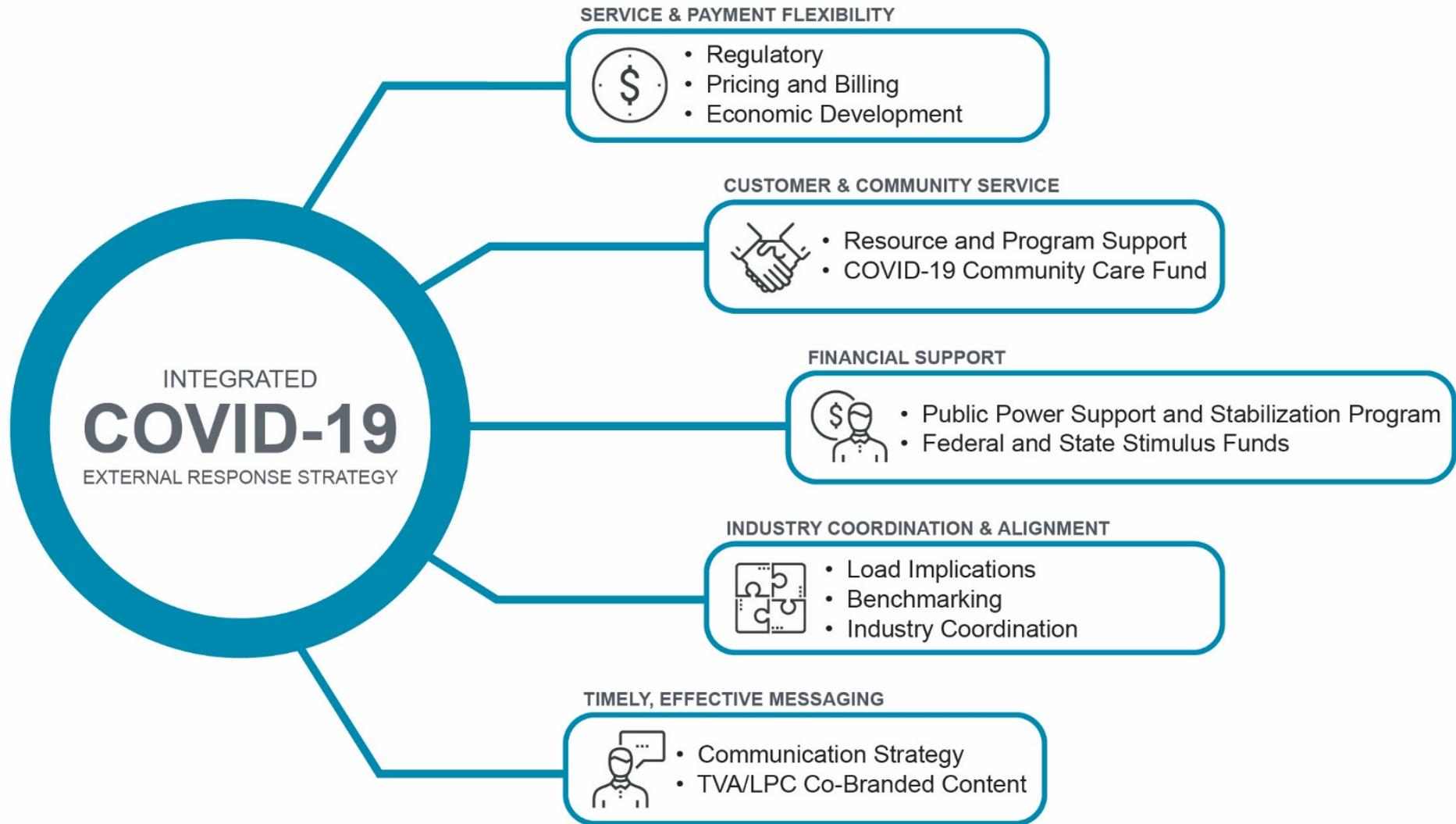
Agenda





WELCOME

CHRIS HANSEN



AUGUST 2020

We have a variety of renewable programs that align to the vast interests of our customers.

TVA Green

renewables@tva.gov



Renewable Solutions



Green Connect



Dispersed Power Production



Green Switch



Green Flex



Green Invest



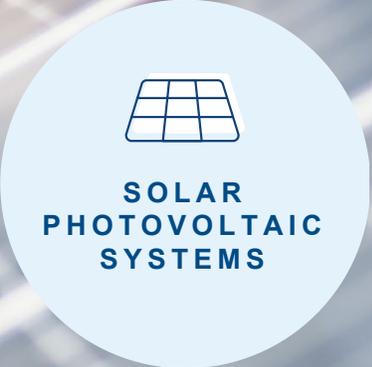
Flexibility Option

COMING JANUARY 2021



GREEN CONNECT

TVA GREEN



GREEN CONNECT Program benefits

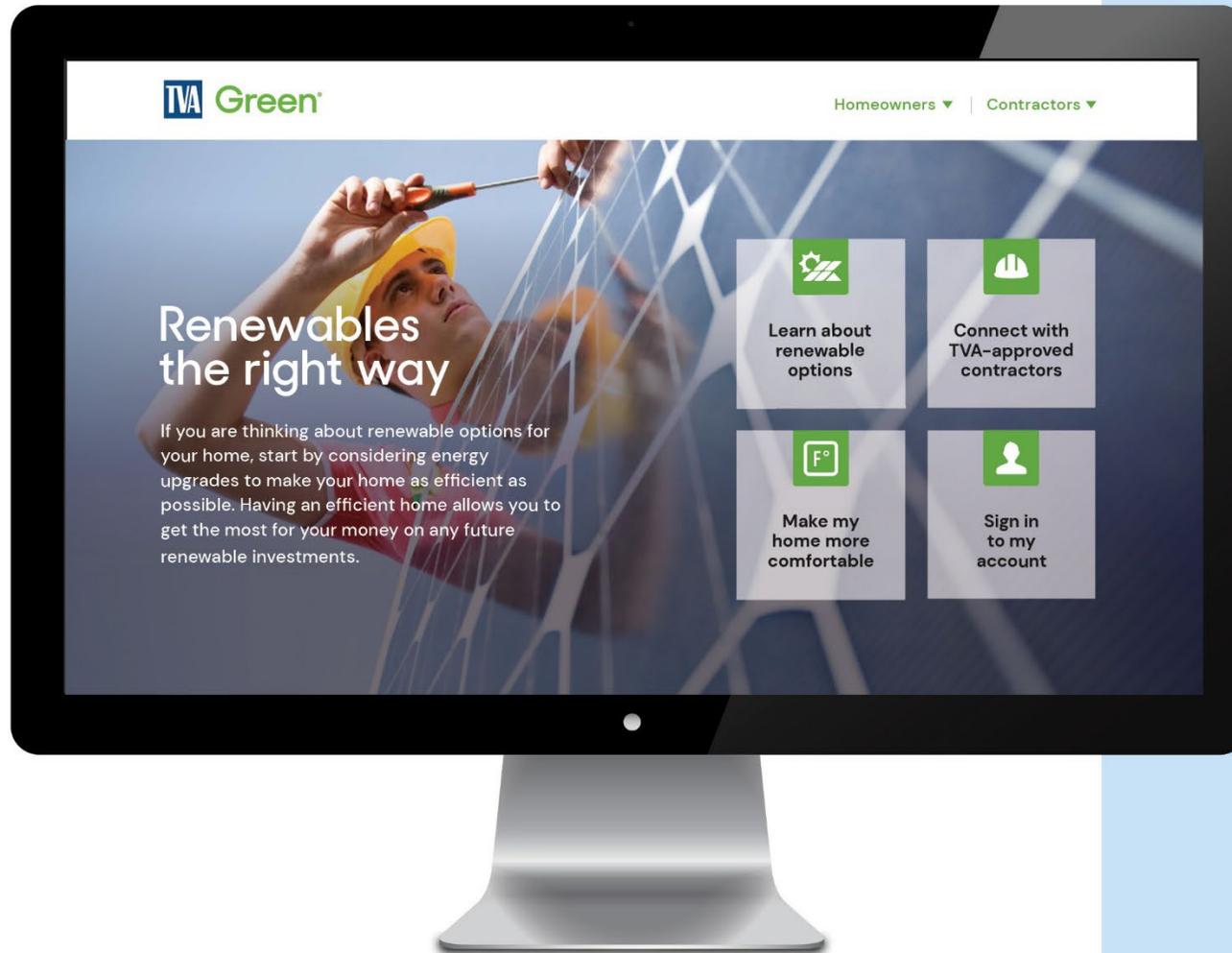
FOR INSTALLERS

-  Increased standardization
-  Customer leads
-  Green Connect contact center

FOR CUSTOMERS

-  Access to quality solar installers
-  Educational resources
-  Installation verifications

GREEN CONNECT Customer portal



Learn about renewable options

With a comfortable, efficient home, you are ready to begin exploring renewable options that work best for you. TVA and your local power company offer Green Switch and Green Connect to meet your renewable needs.



Green Switch

Want to make clean, renewable energy a part of your family's lifestyle? Make an environmentally responsible choice and participate in Green Switch. For as little as an extra \$4 per month, you can support wind, solar and biomass renewable resources, and breathe a little easier knowing you're taking steps to reduce your family's carbon footprint. [Learn more](#)



Green Connect

Adding solar panels to your home? TVA and your local power company want to make sure your solar installation is safe, reliable, and properly sized for you and your family. [Register](#)

Make my home more comfortable



Low and no-cost energy savings tips

Saving energy doesn't have to be hard or expensive. Check out these convenient [low- and no-cost tips](#) that can help you save money and make your home more comfortable no matter the season. Or, if you need ideas on how to make your home more comfortable, use our free [eScore Self Audit](#) to walk through areas of your house and identify where you could be losing energy and money.



Energy efficiency assurance with eScore

Before installing solar, you should address energy upgrades like air and duct sealing, insulation or HVAC systems. [eScore](#) provides the best advice and access to local contractors you can trust. Brought to you by TVA and your local power company, [eScore](#) helps you learn what your home needs to be a 10 - its most energy efficient - and connects you with specially trained, approved contractors who can perform home energy upgrades the right way! [Learn more](#)



Clean, green renewable energy

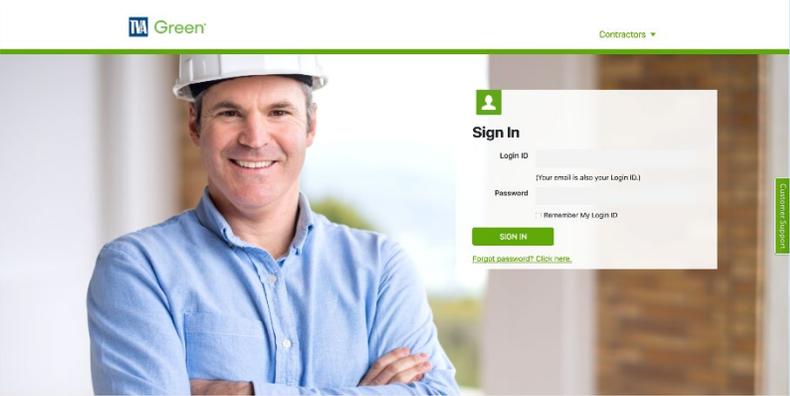
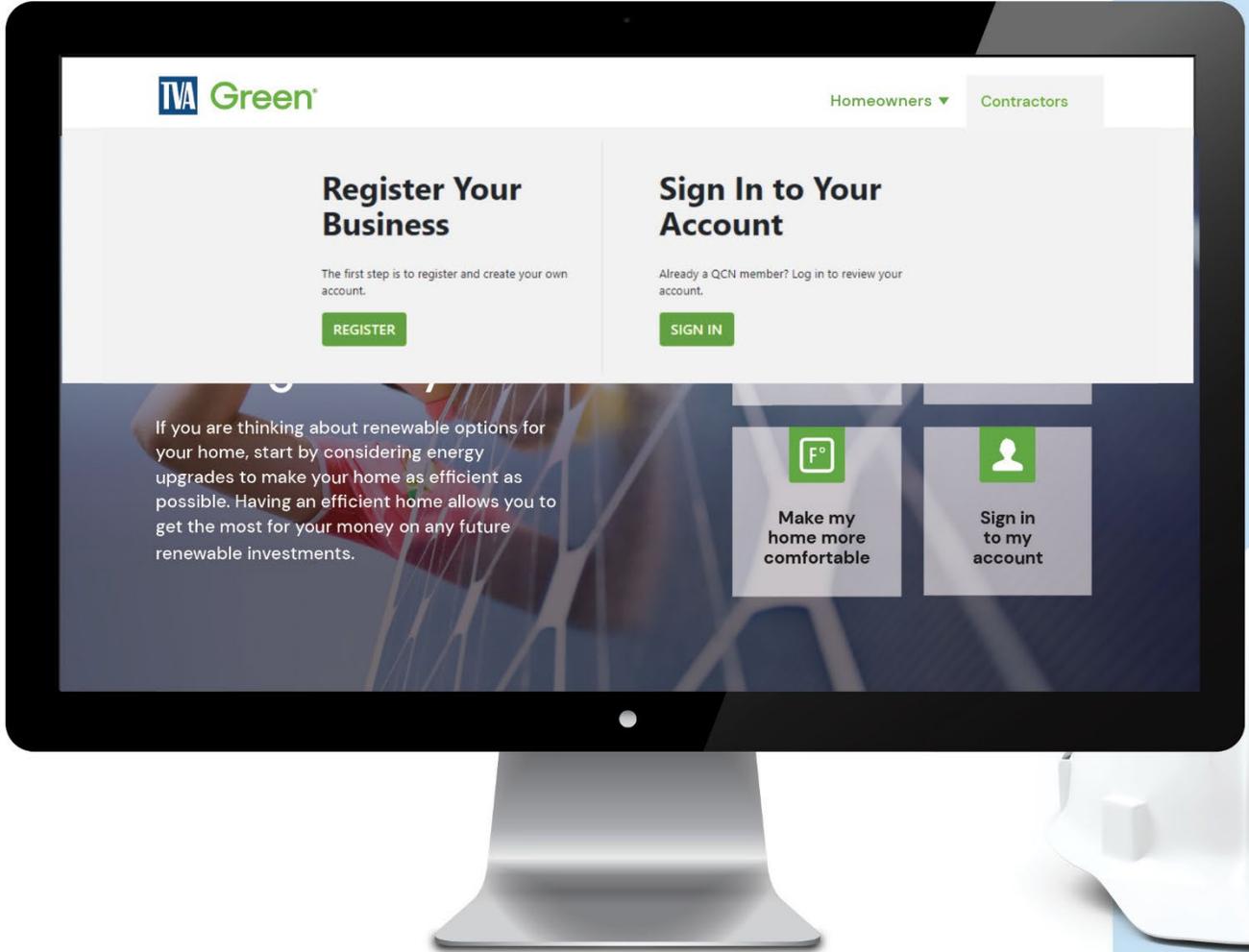
Considering renewables? TVA and your local power company have options to help you support clean, renewable energy. Check out our [Green Switch](#) and [Green Connect](#) offerings to see which is right for you.

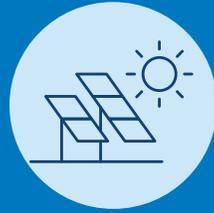


Solar calculator and FAQs

Considering solar? Our [solar calculator tool](#) helps you determine if an on-site solar system is right for you. The solar calculator is intended for residential and small business customers who want information on the cost and payback of installing solar in the Valley. For more information, visit our [Solar FAQ page](#).

GREEN CONNECT Installer portal





DISPERSED POWER PRODUCTION

TVA GREEN

DISPERSED POWER PRODUCTION

TVA obligations under PURPA

Section 210



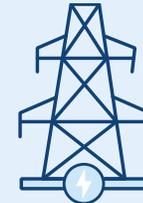
Purchase

from QF energy and capacity



Sell

energy and capacity requested by the QF



Interconnect

with QF

DISPERSED POWER PRODUCTION

A program that allows residential, business and industry customers to **sell power from qualified facilities** to TVA.



SOLAR



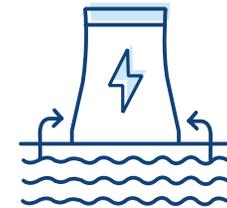
WIND



BIOMASS



WASTE



GEOTHERMAL

DISPERSED POWER
PRODUCTION

Program highlights



5-year agreements

between TVA and qualified facility



No enrollment cap

We have room for as many of your customers as possible



No tri-party contracts

End-use customer creates agreement directly with TVA



Experienced program framework

The program has been around since 1981



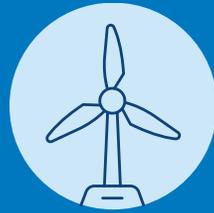
Retained renewable attributes

by participants



Regulated pricing

Public Utilities Regulatory Policies Act of 1978 (PURPA) obligates all regulated electric utilities to purchase energy under PURPA at avoided cost

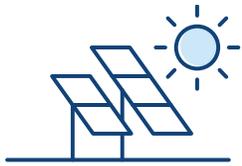


GREEN SWITCH

TVA GREEN

GREEN SWITCH

Helping residential, business and industrial customers support renewable energy generated **within the Valley.**



70%

SOLAR

GPP Sites



20%

WIND

*Inenergy-Owned Buffalo
Mountain Wind Purchase
Power Agreement*



10%

BIOMASS

GPP Sites

GREEN SWITCH COST

Customers purchase renewable energy to match their electricity usage. For as little as \$2 per month, they reduce their environmental impact.

\$2

for a
200 kWh BLOCK

*through the Green-e Energy
certification program*



A GREEN-E ENERGY CERTIFIED PRODUCT

GREEN SWITCH Program highlights



No long-term commitment

No contract with participants –
they can enroll and un-enroll on
a monthly basis



No upfront cost

Payments can be added
to your customers monthly
utility bill



No infrastructure needed

Your customers do not
need any additional
infrastructure to get
started using renewable
energy

For as little as

\$2

a month
customers can
reduce their
environmental
impact



GREEN FLEX

TVA GREEN

GREEN FLEX

A program that allows businesses and industries inside the Tennessee Valley to purchase **out-of-Valley wind** renewable energy certificates (RECs).



100%

WIND

*Sourced from
Iowa, Illinois, or Kansas*

GREEN FLEX COST

Customers purchase RECs, the full MWh of renewable energy generated and delivered to the grid, which allow your customers to make renewable claims.

\$1.50
per
MWh

*through the Green-e Energy
certification program*



A GREEN-E ENERGY CERTIFIED PRODUCT



GREEN FLEX

Program highlights

1-year

agreement

January – December

Certified

through Green-e,
guaranteeing renewable
generation coverage for all
purchased RECs

Free

to sign up

and get started with no
additional infrastructure needed

2,000

RECs

Annual minimum purchase

Purchase may not exceed

105%

of participant's annual
electricity consumption



GREEN INVEST

TVA GREEN

GREEN INVEST

Help your end-use customers meet their sustainability goals through partnering with us to bring new, renewable energy to the Tennessee Valley.



100%
RENEWABLE

GREEN INVEST

Program highlights



**Utility scale
renewables**



**Competitive
procurement**



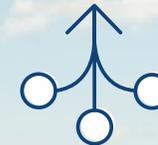
**Lowest cost
option**



**Site
specific**



**Long-term
load**



**Aggregate
projects**



FLEXIBILITY OPTION



FLEX
Valley Partners now have the ability
to provide cleaner, greener power.

A person wearing a blue and white plaid shirt and a grey safety vest with reflective stripes is working on a solar panel array. The person's hands are visible, one holding a tool and the other resting on the panel. The solar panels are blue with silver grid lines, and the background is a bright, clear sky.

up to
5%

can be locally
generated

MINIMUM 1MW

FLEXIBILITY OPTION

Partner benefits



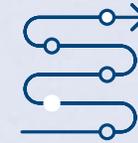
Lowers wholesale bill from TVA



Long-term customer load commitments



Partners with local businesses

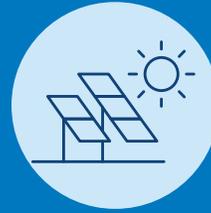


Mitigates behind-the-meter threats



Pursues a variety of ownership and operating options (e.g., PPA)





RENEWABLE INTEGRATION

Aaron Melda

TVA continues to look for ways to efficiently integrate renewable energy into our portfolio, while providing low cost, reliable energy.





SEEM

Southeast Energy Exchange Market

Exploring a centralized, automated intra-hour energy market with a goal of lowering customer costs and optimizing renewable energy, while maintaining reliable service



Q&A

LAURA DUNCAN & DEBBIE MURRAY

Thank you and be safe



QUESTIONS?

www.tvagreen.com

renewables@tva.gov