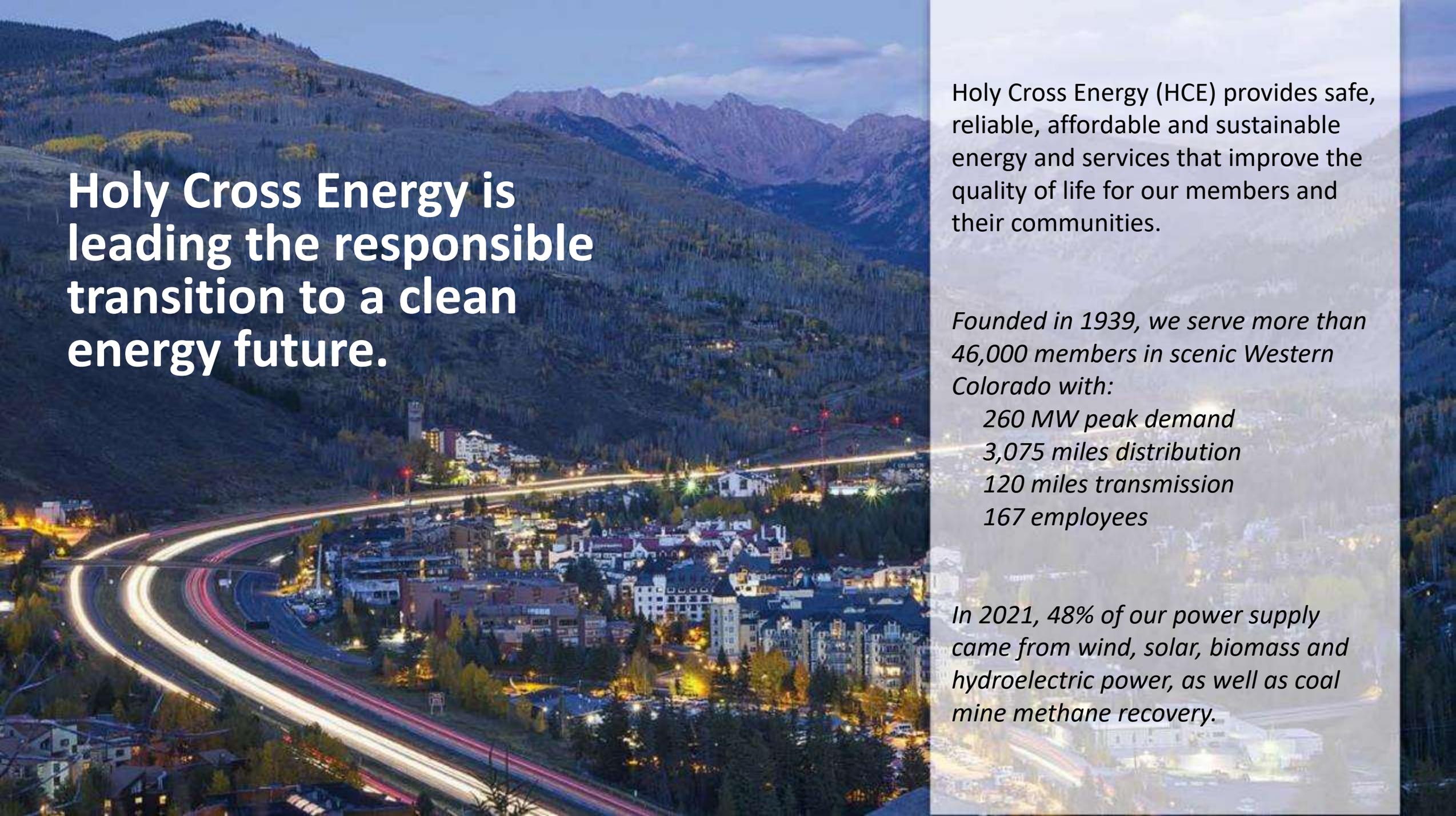




Our Journey to 100% Clean Energy

Lisa Reed
Holy Cross Energy





Holy Cross Energy is leading the responsible transition to a clean energy future.

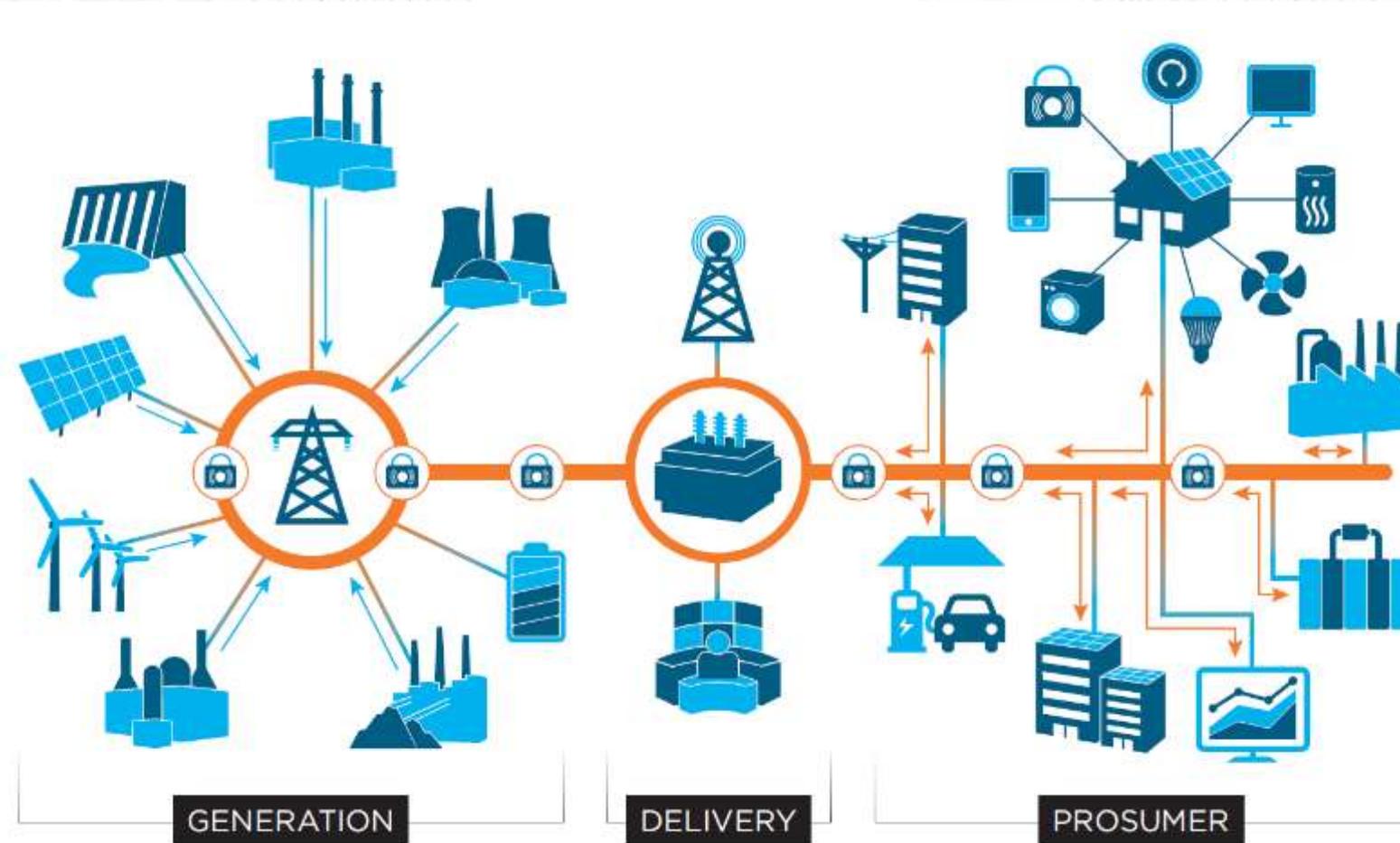
Holy Cross Energy (HCE) provides safe, reliable, affordable and sustainable energy and services that improve the quality of life for our members and their communities.

Founded in 1939, we serve more than 46,000 members in scenic Western Colorado with:

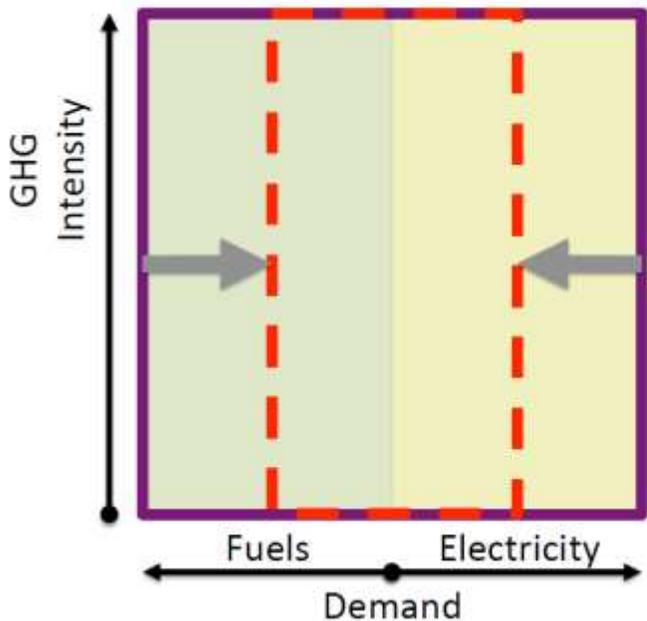
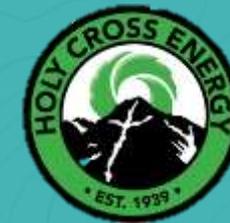
*260 MW peak demand
3,075 miles distribution
120 miles transmission
167 employees*

In 2021, 48% of our power supply came from wind, solar, biomass and hydroelectric power, as well as coal mine methane recovery.

The Electric Grid of the Future



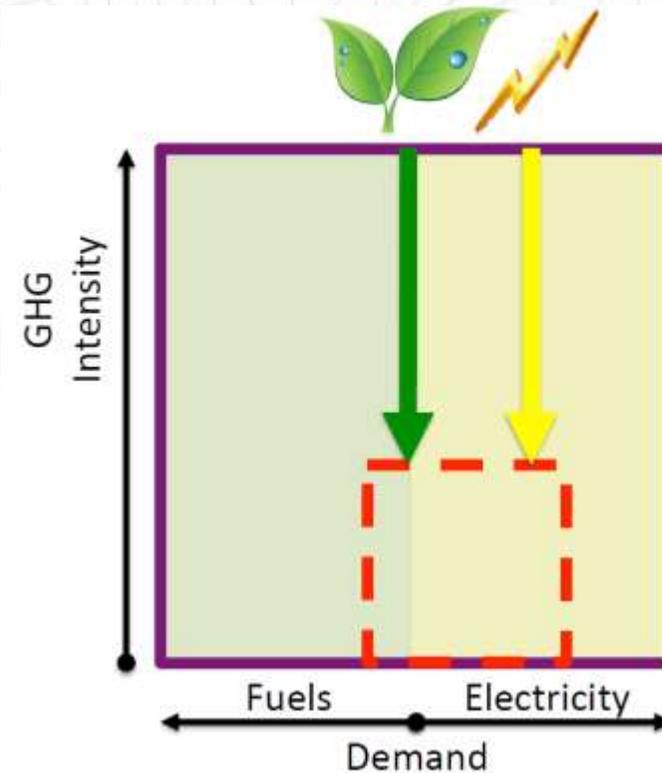
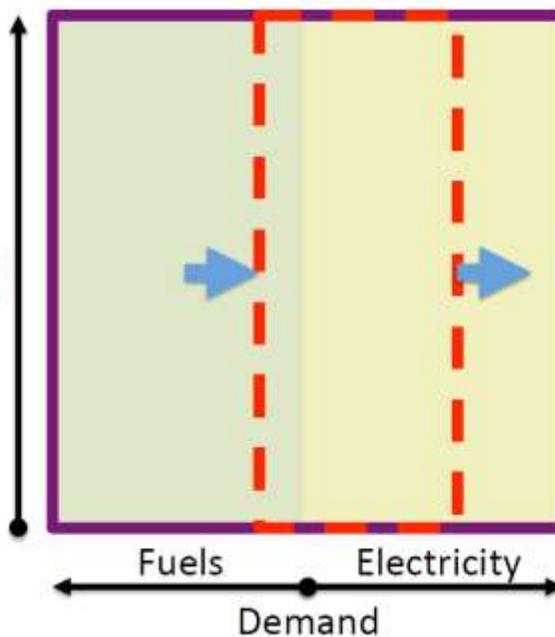
How To Reduce GHG Emissions



Get More Efficient



Electrify Everything



Decarbonize Electricity and Fuels

Our “Journey to 100%”



These actions will allow HCE to achieve its vision of

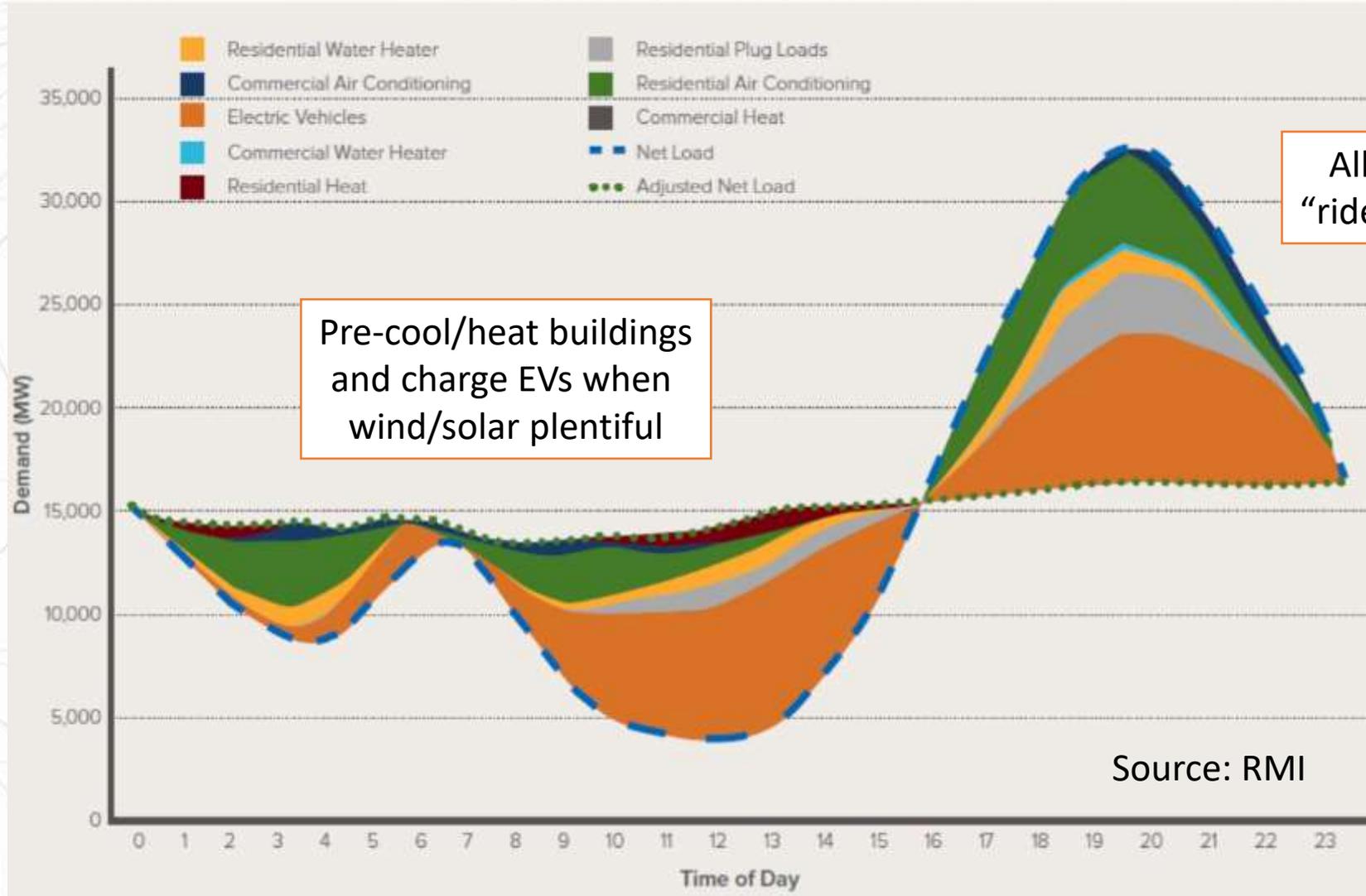
100% carbon-free power supply by 2030

Carbon-neutral or better across the enterprise by 2035

in a way that does not sacrifice affordability, safety, or reliability for the sake of sustainability

- **Energy Efficiency:** obtain an additional 0.25% per year in reduction of electric sales from existing uses
- **Cleaner Wholesale Power Supply:** incorporate new, clean, dispatchable resources into HCE’s power supply mix
- **Local Clean Energy Resources:** continue our existing agreements for energy from local biomass, hydro, solar, and coal mine methane projects
- **Distributed Energy Resources:** support installation of at least 4 MW per year of new rooftop solar systems and 2 MW per year of HCE controlled storage.
- **Smart Electrification:** encourage the expanded use of electricity for transportation, building heating and cooling, and industrial processes

Smart Electrification Can Help



Pre-cool/heat buildings and charge EVs when wind/solar plentiful

Allow building to "ride through" peak

Discharge from batteries to address PM solar ramp (incl. V2G)

“Electrifying Your Ride” EV Programs



Program Elements

FREE L2 EV chargers to every residential (limit 2) or commercial (limit 4) member

DER Service Agreement avoids up-front installation costs

Community DC fast charging supported by \$150k upgrades and engineering support

Transit and school buses supported with TOU rates, no demand charge, on-site solar



174 Home Charging Ports, 59 Commercial Charging Ports,
5 DC Fast Chargers, 8 Transit Buses in 2020

“Power+” Energy Storage Program

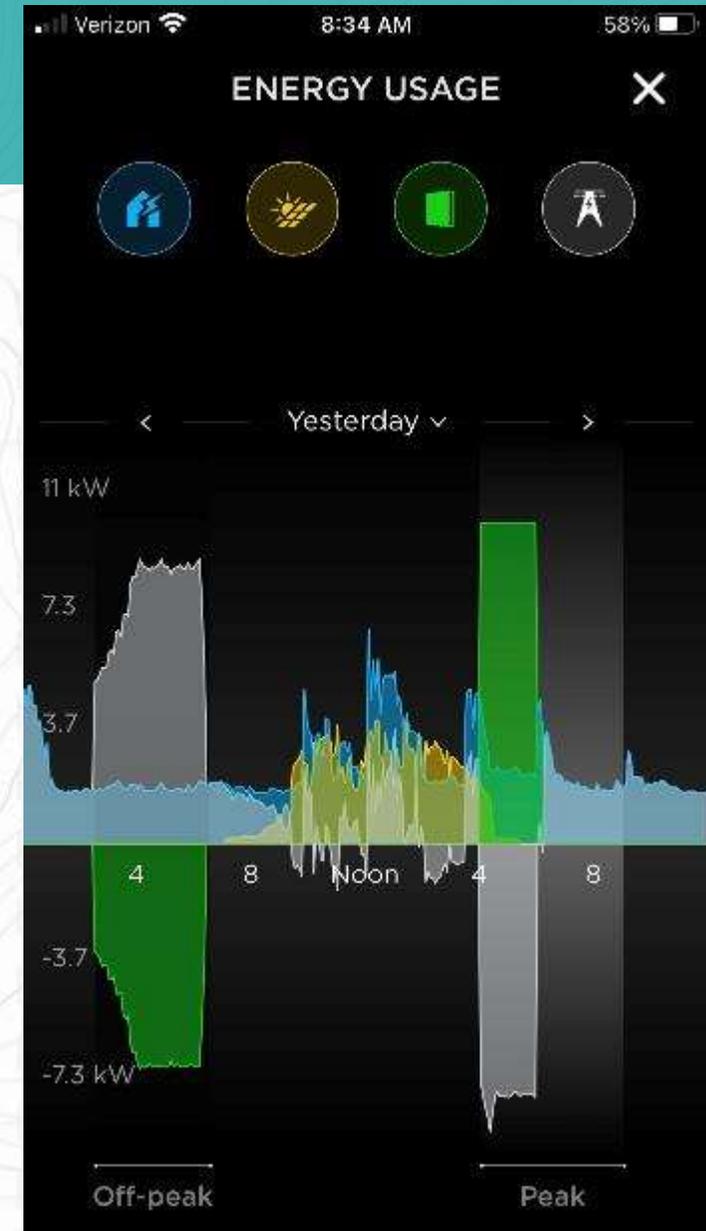


Pilot program in 2021

Combines DER Service Agreement & Distribution Flexibility tariff

Target consumer cost: \$40-60/month for 10 years

**Initial install at HCE HQ avoided
12 interruptions/290 outage minutes**



Rate and Programs Options



Distributed Energy Resource Service Agreement

- Low interest on-bill payments for DERs and related costs

Distribution Flexibility

- Credit for allowing utility option to manage behind-the-meter DER assets

Peak Time Payback

- Credit for voluntary reduction in consumption during forecasted peak event

GreenUp

- Dynamic Renewable Pricing
- Credit for voluntary *increase* in consumption during forecasted “oversupply” events

Time of Use

- Optional rate structure to encourage load shifting
- 24c/kWh on-peak (4-9 pm); 6c/kWh off-peak

PuRE

- Purchase 100% Renewable Energy
- Green pricing program to enable members to choose 100% renewable energy



For more information:

www.holycross.com

**Follow us on Twitter
and Facebook**

**Join us on our
“Journey to 100%”**