



A Touchstone Energy® Cooperative 

# Navigating An Uncertain Energy Future

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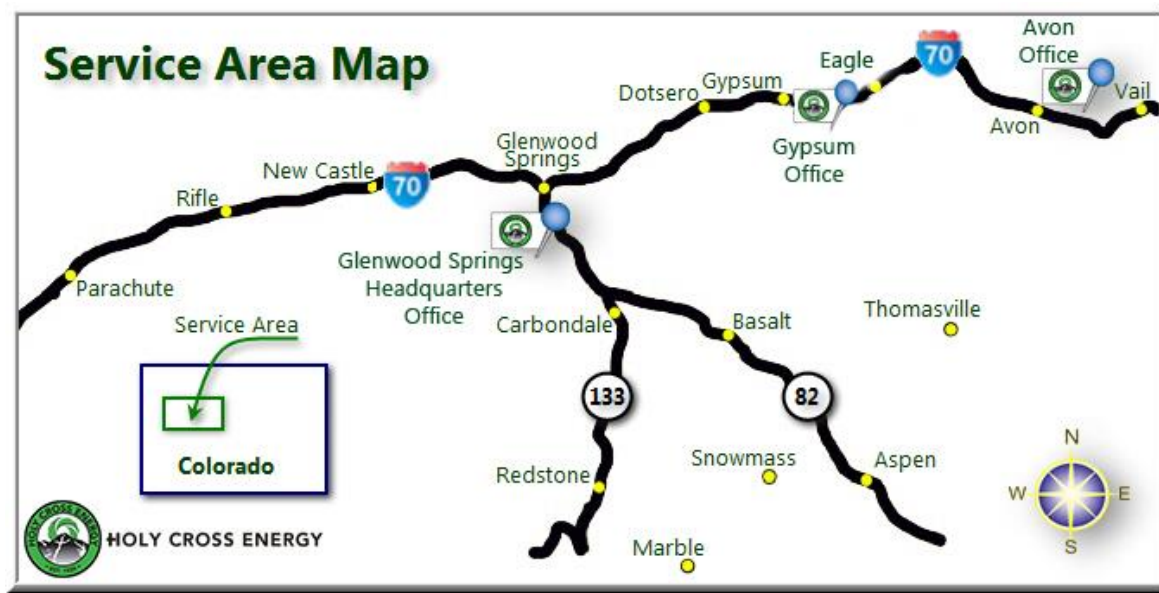


the power  
is in your hands

# About Holy Cross Energy



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\$120 million revenue

160 employees

240 MW peak demand

60,000 meters

3,000 miles of distribution

120 miles of transmission



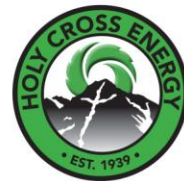
# Who We Are



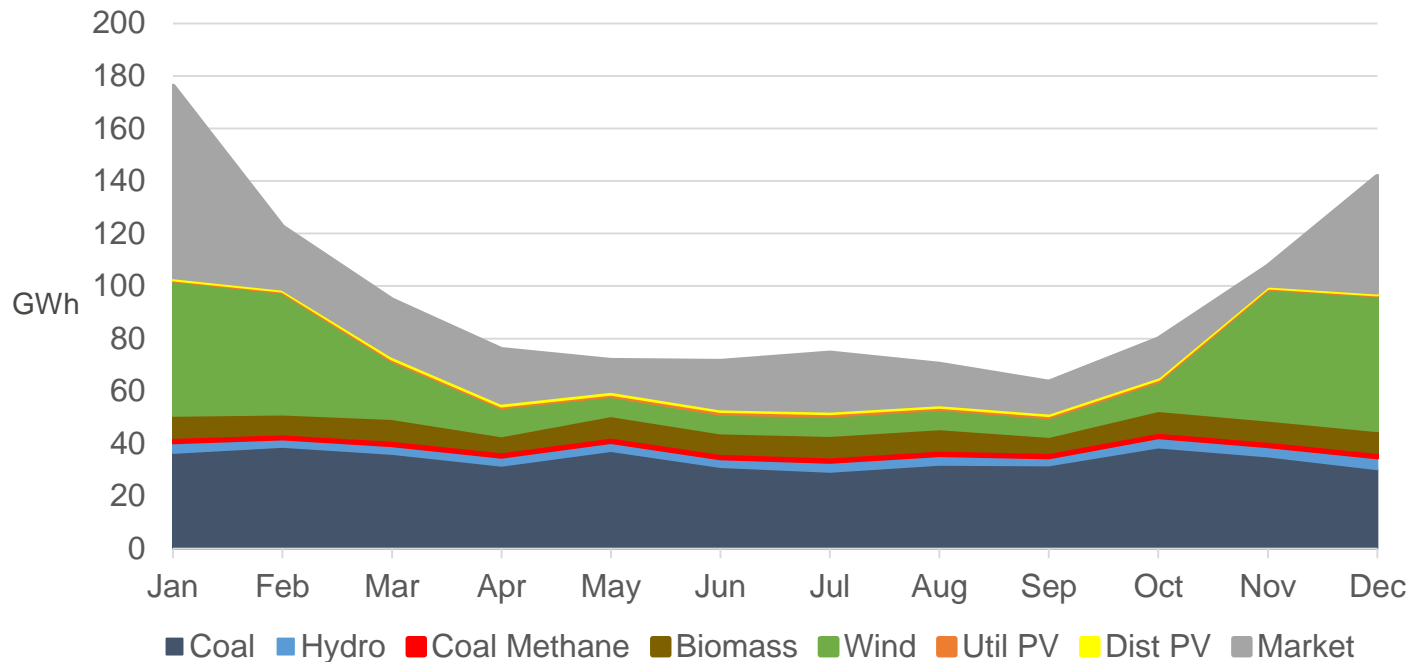
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# Our Power Supply Mix



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Coal	53%
Gas	8%
Wind	24%
Biomass	8%
Hydro	3%
Solar	2%
Coal Methane	2%

>40% reduction in  
GHG emissions  
since 2012



# Our Industry is Changing ... Fast!

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## Several trends affecting the electric utility industry:

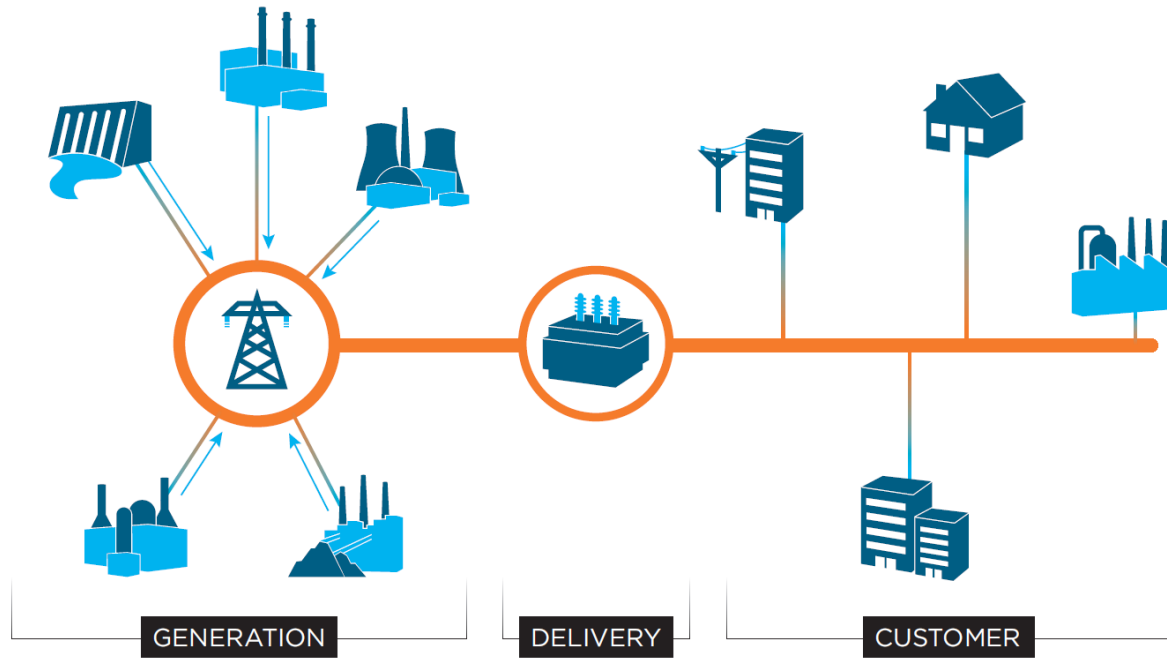
- Flat load growth
- Low natural gas prices
- Lower-cost renewables
- Expanding electricity markets
- Cheaper, better distributed resources
- Connected everything
- More consumer choices



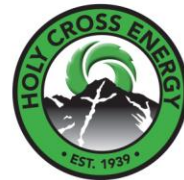
# Our Electric Grid Used to be THIS...



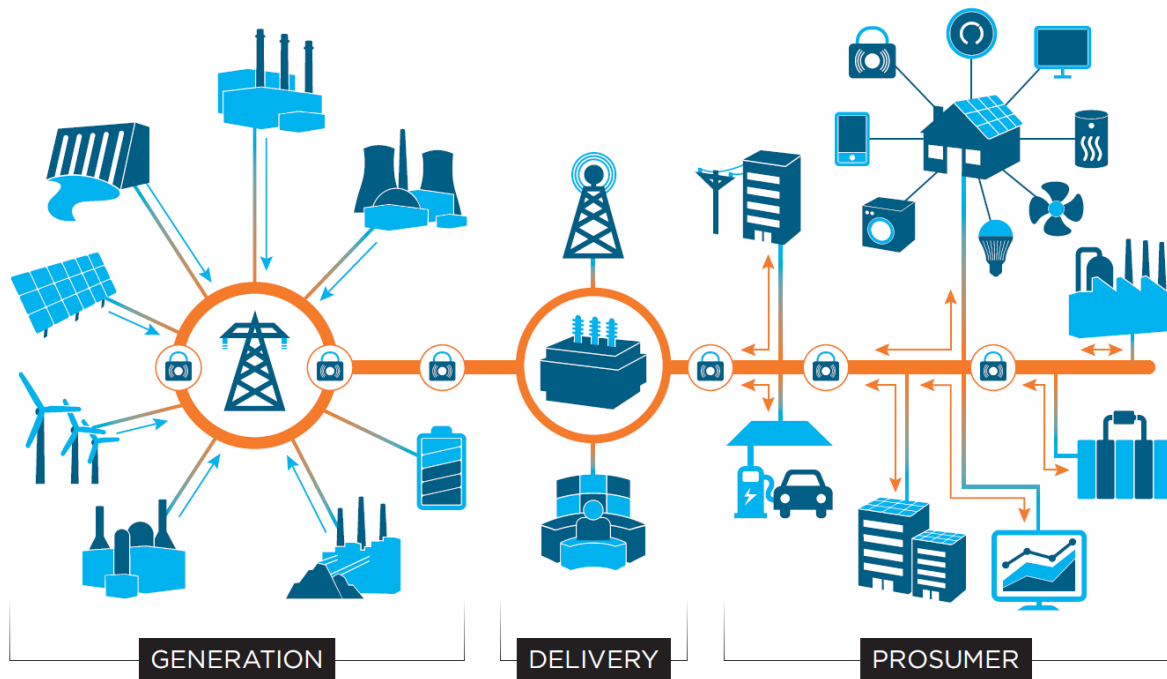
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# Now, Our Grid is More Like THIS...



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# So What's a Power Utility to Do?

## Respect the Past

- Maintain Poles and Wires
- Ensure Reliable Service
- Procure Necessary Resources
- Answer Customer Needs

## Embrace the Future

- Flexible Clean Power Supply
- Grid Visibility and Control
- Sustainable Rate Design
- Listen to Our Members' Needs
- Deliver New Products/Services

“Give our members what they want ...

*before someone else does!”*



## Clean power. Lower emissions. By 2030.

- Use clean and renewable resources to supply at least 70% of the power we provide our members, compared to 39% today;
- Reduce the greenhouse gas emissions associated with our power supply by 70% from 2014 levels; compared to 25% today; and
- Accomplish both of these goals with no additional increase in the cost of power supply.

Our path  
to a clean  
energy future.

WHAT'S NEXT? →



## The responsible path forward.

**HOW WE GET TO 70% →**

With advances in technology and changes in energy markets, we now have the opportunity to bring on new cleaner energy resources at costs comparable to our existing supply.

This will allow us to meet our clean energy goals at no additional cost while maintaining the reliable and safe service our members have come to expect.



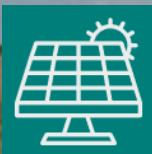
Increase our purchase of renewable energy



Reduce our dependence on coal-fired power generation




Improve the energy efficiency of our network, and the buildings, vehicles, and businesses connected to it



Invest in new local renewable energy resources directly connected to our grid and to our homes and businesses

Our pathway  
to 70% by  
2030.

WHAT'S NEXT? →



Energy Assessments

Energy Efficiency

Smart Appliances  
and Devices

Distributed Solar

Community Solar

Local Renewable  
Energy Purchase

Electric Vehicles

Energy Storage

Reaching our  
goal together.  
Today.

HOW YOU CAN HELP →



## CONTACT

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# SEVENTY70THIRTY

<http://www.holycross.com/seventy70thirty>