




A Touchstone Energy® Cooperative 

Leading the Responsible Transition to a Clean Energy Future

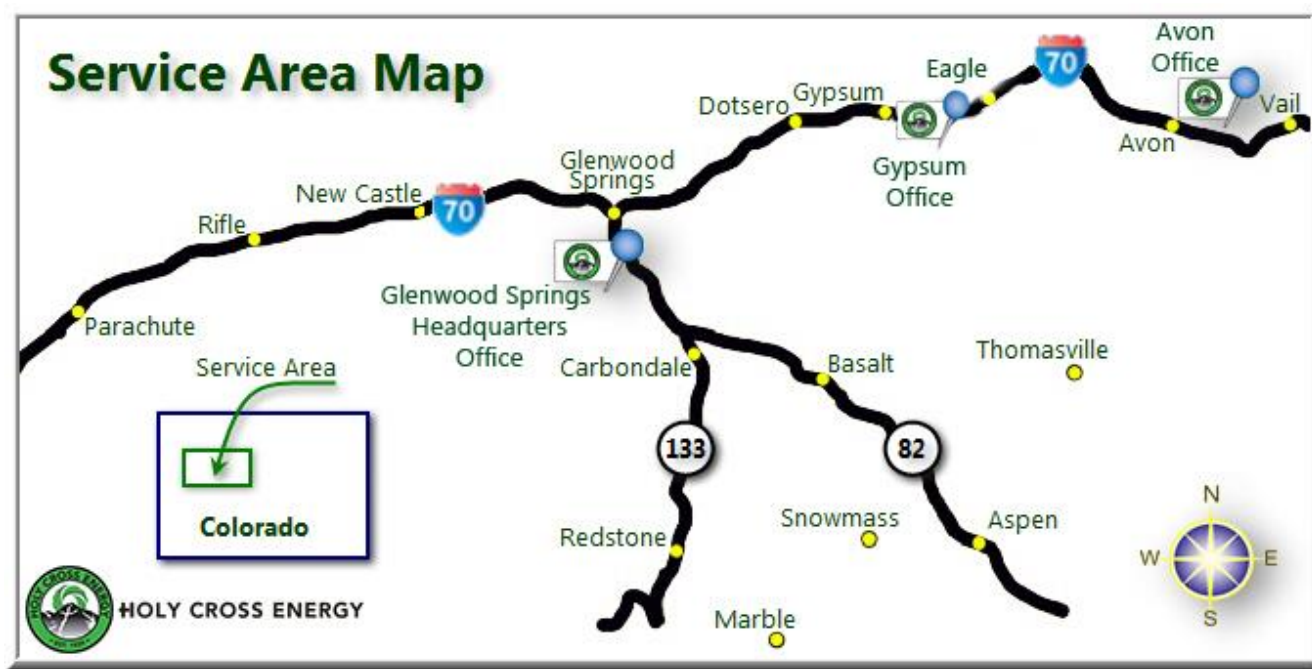
Bryan Hannegan, Ph.D.
President and CEO, Holy Cross Energy



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 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

How Will We Respond?



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Respect the Past

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

Embrace the Future

- New Power Supply Options
- Distribution Grid Flexibility
- Customer-Side Services
- Rate Design
- “Smart” Electrification

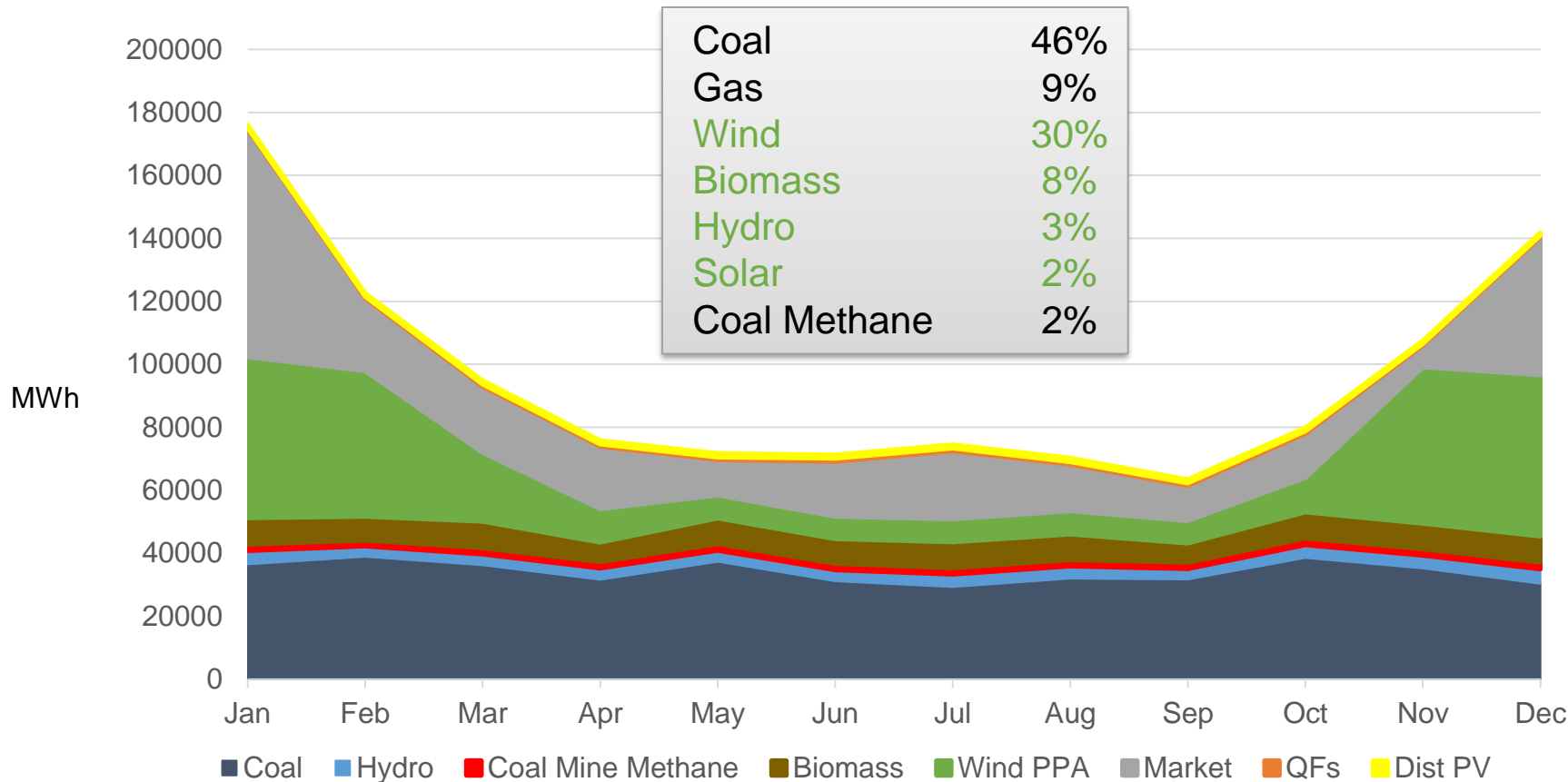
“Give our members what they want ...

before someone else does!”



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New Power Supply Options

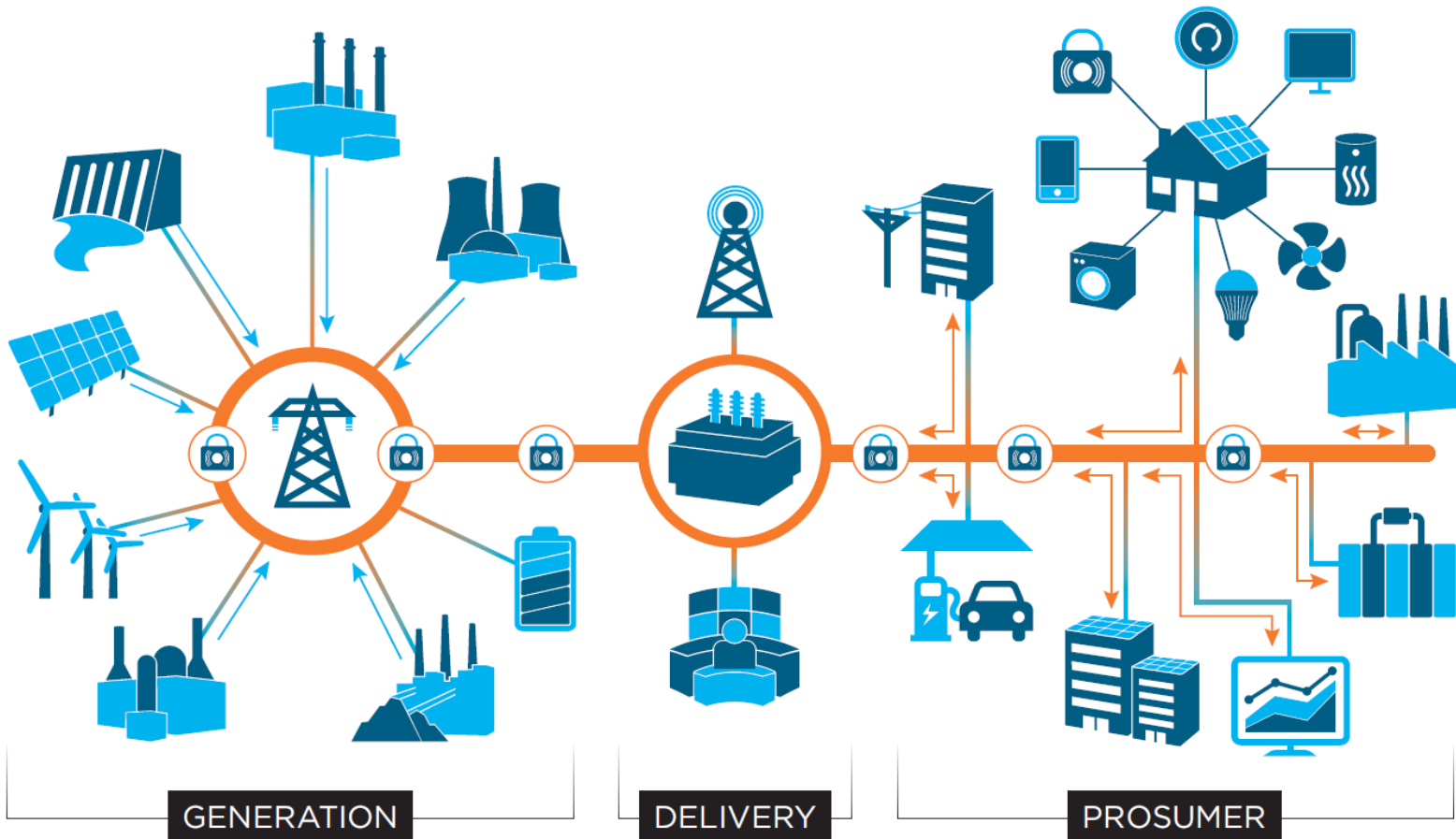


>40% reduction in GHG emissions since 2012

Distribution Grid Flexibility



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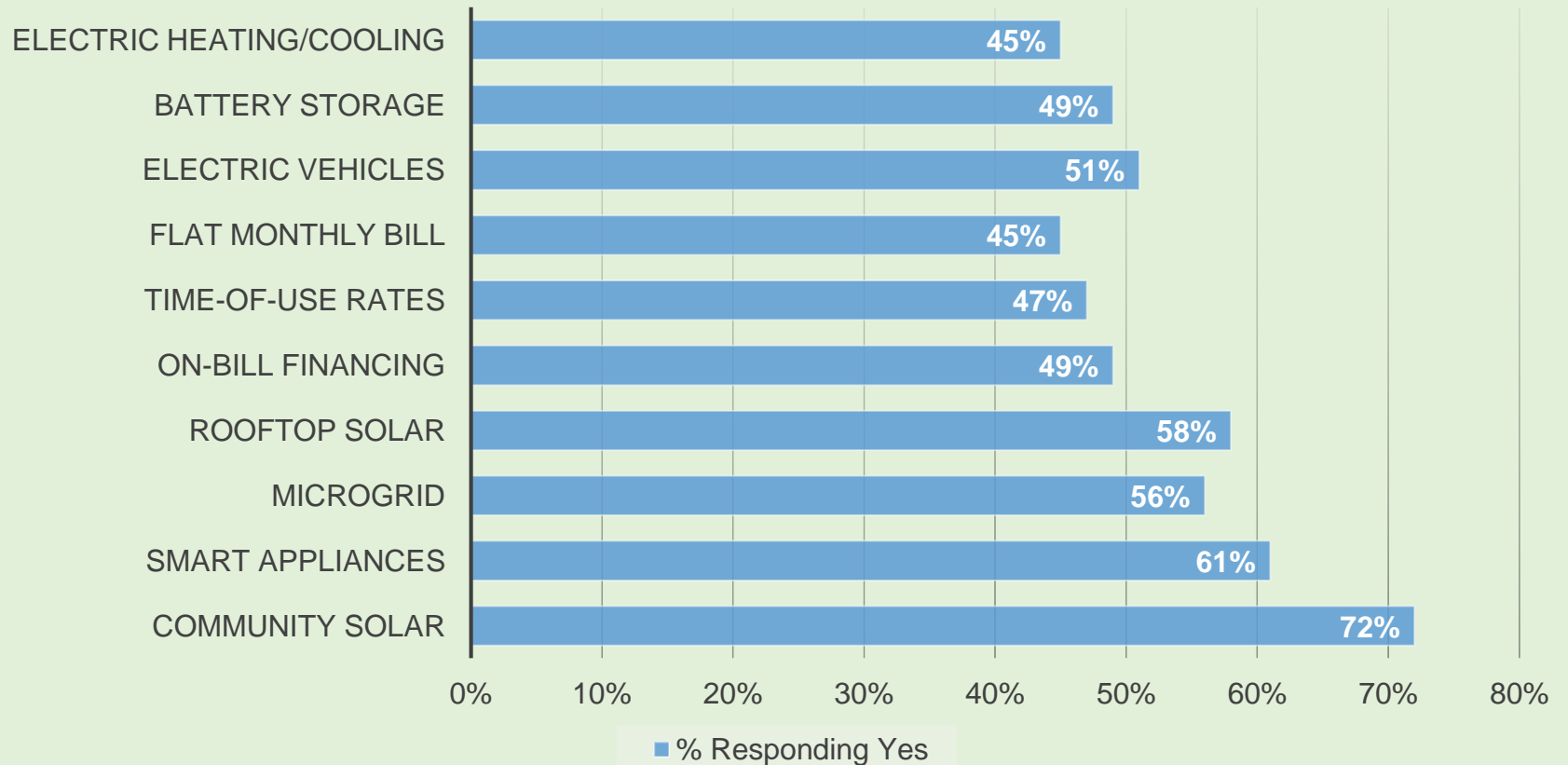
Customer-Side Services



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Member Needs Assessment – Spring 2018

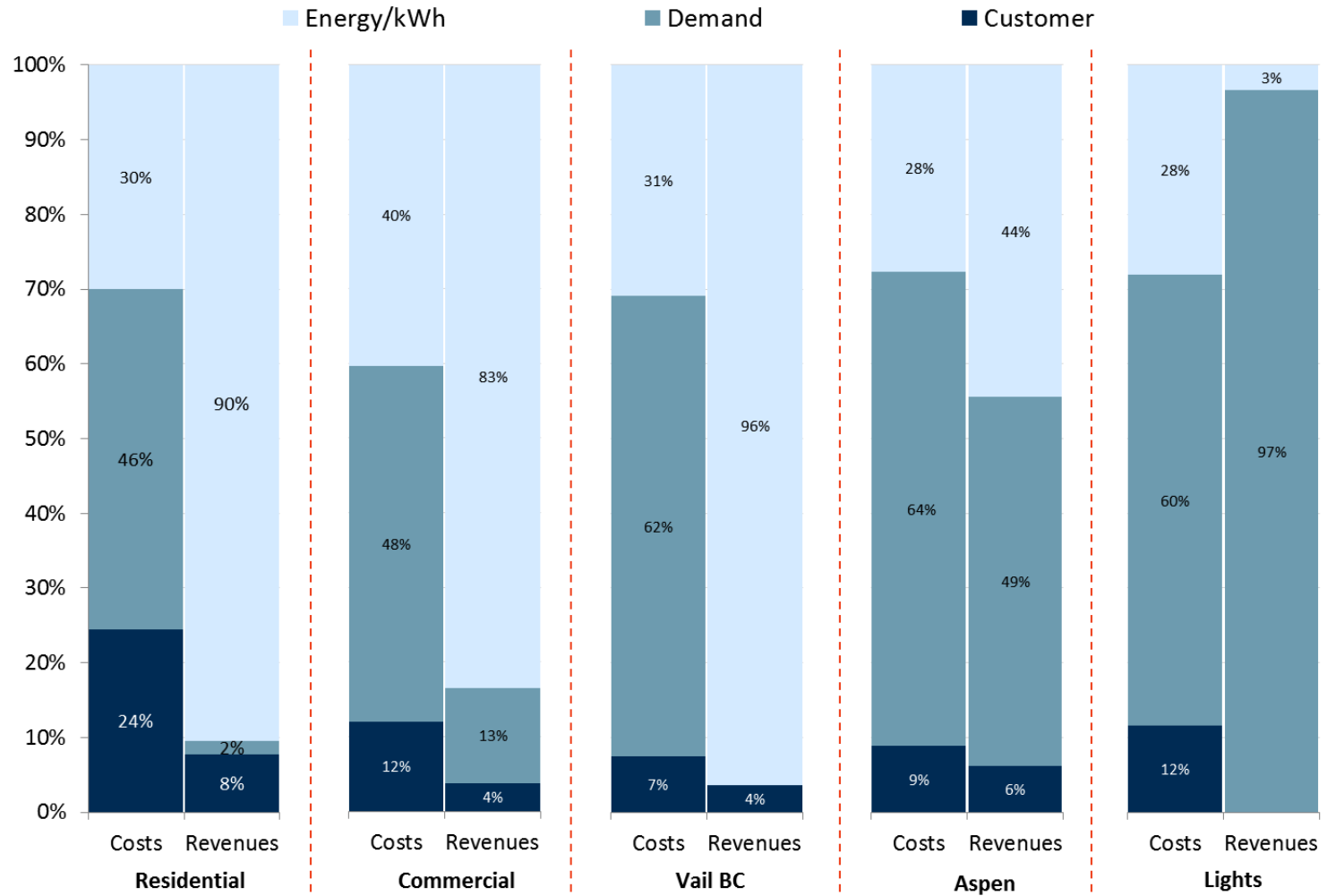
Would you be interested in the following services? (yes/no)



Rate Design



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“Smart” Electrification



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Transportation Sector

Light-duty cars and trucks (battery and plug-in hybrid electric vehicles)

Medium-duty battery electric trucks

Heavy-duty battery electric trucks

Battery electric transit buses

Buildings Sector

Air source heat pumps

Ground-source heat pumps

Heat pump water heaters

Electric stovetops and ranges

Electric dryers

Industrial Sector

Air source heat pumps (for space conditioning)

Electric machine drives

Industrial heat pumps, induction furnaces, infrared heating, and resistance heating for process heat, including drying

Electric boilers

Ultraviolet heating

Thank You!



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

Find out more at www.holycross.com

