

# INCORPORATING MORE RENEWABLE ENERGY AND MAINTAINING A RELIABLE, DURABLE, AND AFFORDABLE GRID SYSTEM

SARAH WRIGHT  
EXECUTIVE DIRECTOR  
UTAH CLEAN ENERGY

Public Utilities, Energy, and  
Technology Interim Committee  
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- Non-Profit Organization, Est. 2001
  - Policy and Regulatory Expertise
  - Public Education & Outreach
  - Solutions-oriented approach
- [www.utahcleanenergy.org](http://www.utahcleanenergy.org)



WHAT DO WE  
NEED TO DO?



# SUPPLY SIDE

## MAKE OUR GRID FLEXIBLE & RESILIENT

Opportunity to adjust utility scale investments and grid operation to reliably and affordably incorporate more renewable energy



# INVEST IN RENEWABLE RESOURCES THAT COMPLEMENT EACH OTHER

- ✓ Wind farms
- ✓ Solar energy
- ✓ Geothermal
- ✓ Hydro
- ✓ Storage



# PRIORITIZE GEOGRAPHIC DIVERSITY

The more, the better,  
supported by  
transmission  
expansion

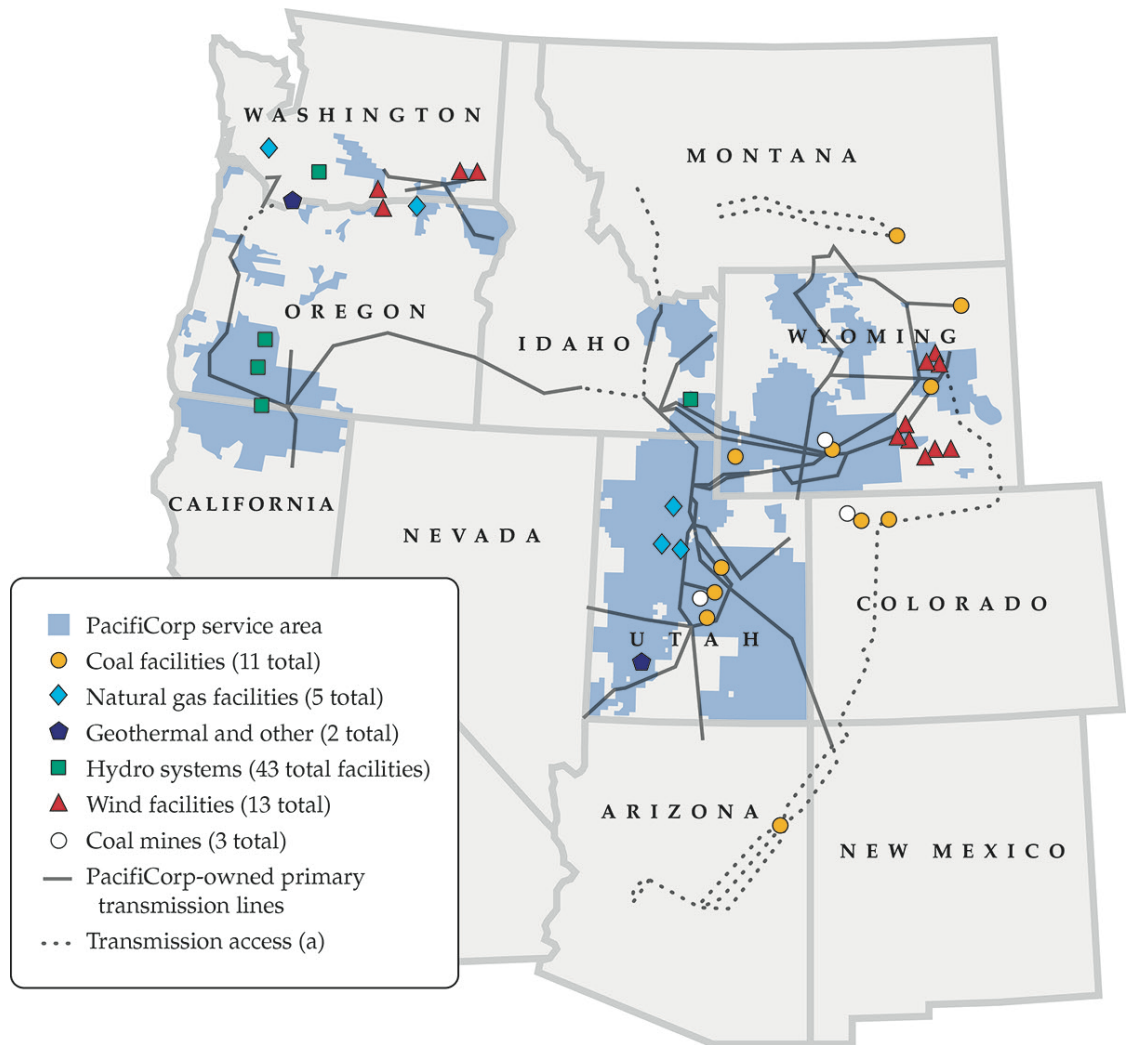


Image source: [PacifiCorp filing to SEC, Form 10-K](#)

# EXPLORE A REGIONAL ELECTRICITY MARKET

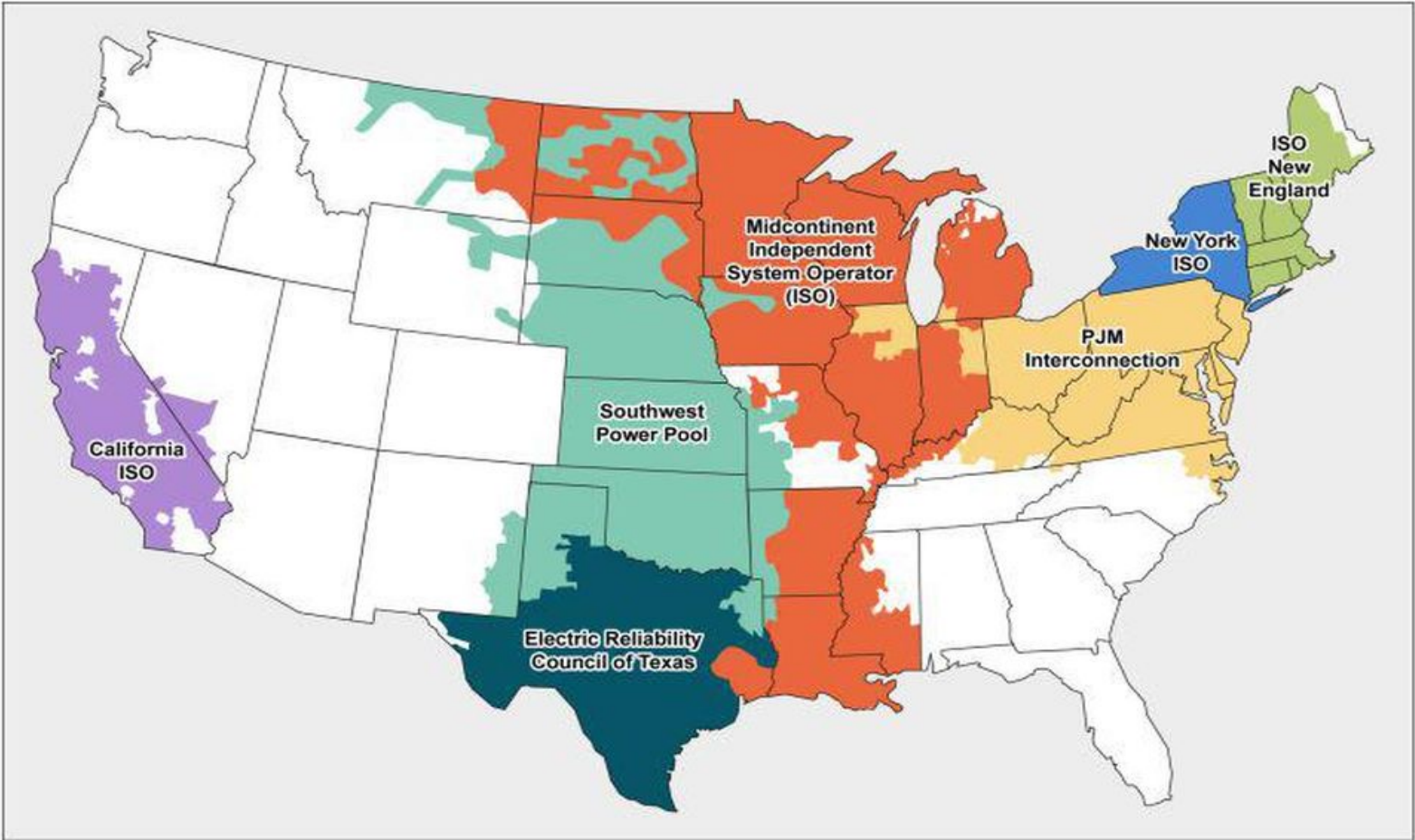


Image source: [Energy Central.com](https://www.energycentral.com)

## UTILIZE CUSTOMER-SIDE MEASURES

New control technologies and other distributed energy resources can help us to integrate more renewable energy while enhancing the resiliency and reliability of our grid.





# HARNESSING FLEXIBLE DEMAND-SOLEIL LOFTS EXAMPLE



Image Source: Rocky Mountain Power

# WHAT WE NEED TO DO

## KEY TAKEAWAYS

Harness renewable resource  
diversity and geographic  
diversity

Investments in transmission will  
open new opportunities

Evaluate participation in a  
regional market

Take full advantage of customer  
sited renewable energy, storage  
and controlled loads

THANK YOU!

Sarah Wright  
Executive Director, Utah Clean Energy  
[sarah@utahcleanenergy.org](mailto:sarah@utahcleanenergy.org)  
801-673-7156

