

Our Energy Future

Xcel Energy
Colorado

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Area Manager

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What We Know

- Population growth expected to continue at 1.4 percent annually
- Approximately 126,000 new customers by 2023
- Require approx. 600 megawatts of additional power supply

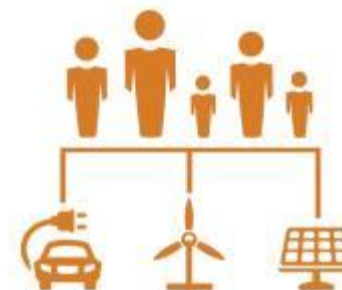


Energy Resource Plan (how we'll meet demand)

- A thoughtful roadmap to:
 - Protect power reliability
 - Power new technologies
 - Deliver increasingly clean energy
 - Save customers money
- Part of Our Energy Future:
 - Powering the economy
 - Empowering customer choice
 - Implementing new technologies



Powering the Economy



Empowering Customer Choice



Powering Technology

Rush Creek Wind Project

- Boon for state's economy
 - \$1 billion injection for the region
 - \$180 million in lease payments
 - \$800 million in customer savings
- Timing
 - Construction 2017
 - Completion 2019

Largest wind project in the state

Two wind farms will supply

600 megawatts

of clean, renewable energy to customers



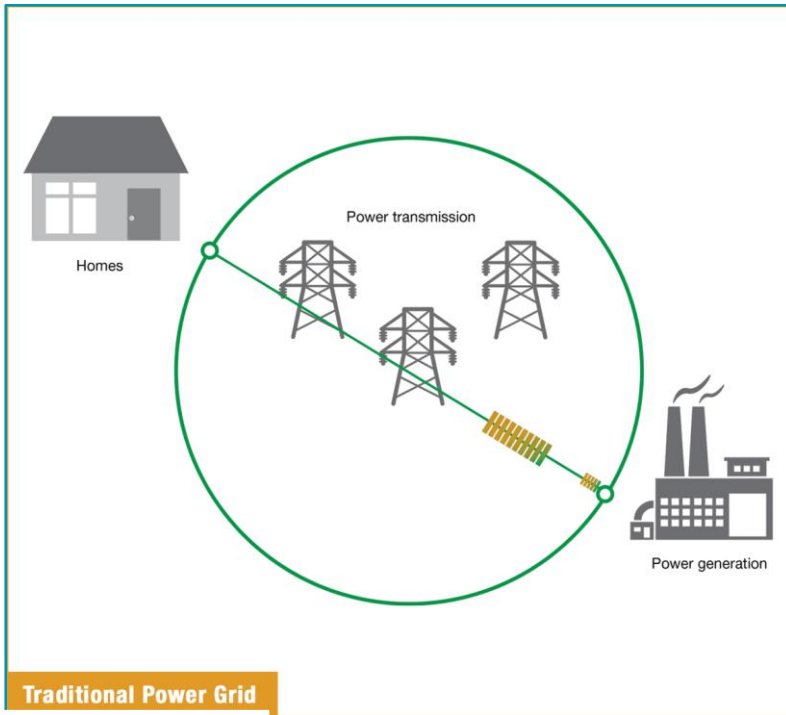
Three-Part Settlement



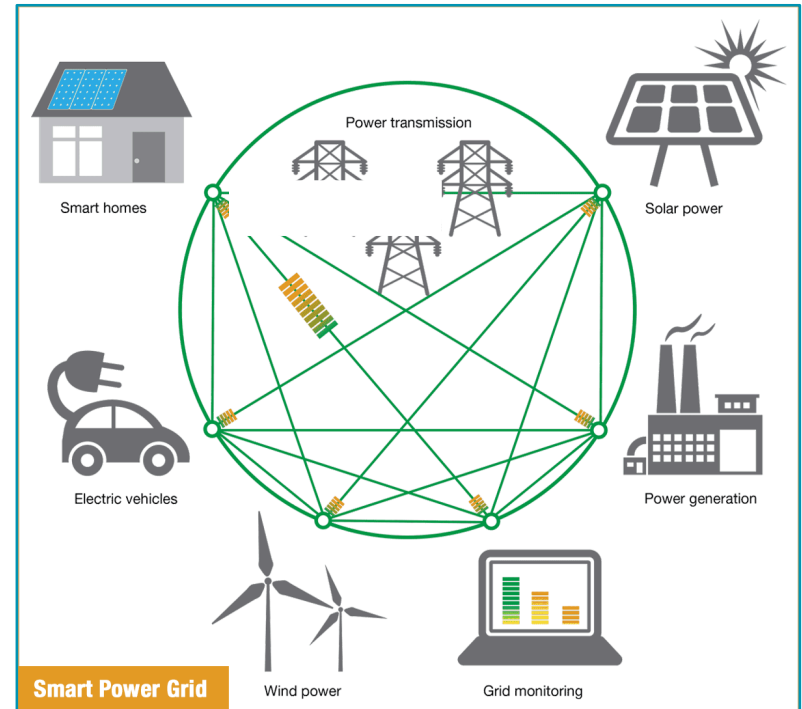
Part	Customer Value
1. Rate Case	<ul style="list-style-type: none">• New pilot rate programs• Improve net metering
2. Renewable Energy	<ul style="list-style-type: none">• Expand rooftop solar offerings• Advance clean energy• Reduce premium pricing (Windsource)• Address solar needs of low-income customers
3. Renewable*Connect	<ul style="list-style-type: none">• A new program offering Colorado customers the option to sign up for 100 percent solar power for their home or business

Advanced Grid

THEN



SOON



Pena Station NEXT Microgrid/Battery Project



- Test and gain experience on all aspects of large-scale battery/utility integration
- 1.3-MW solar PV system, 2MW-hour battery storage system, power controls, metering and communications

Charge battery when prices are low, discharge when prices are high



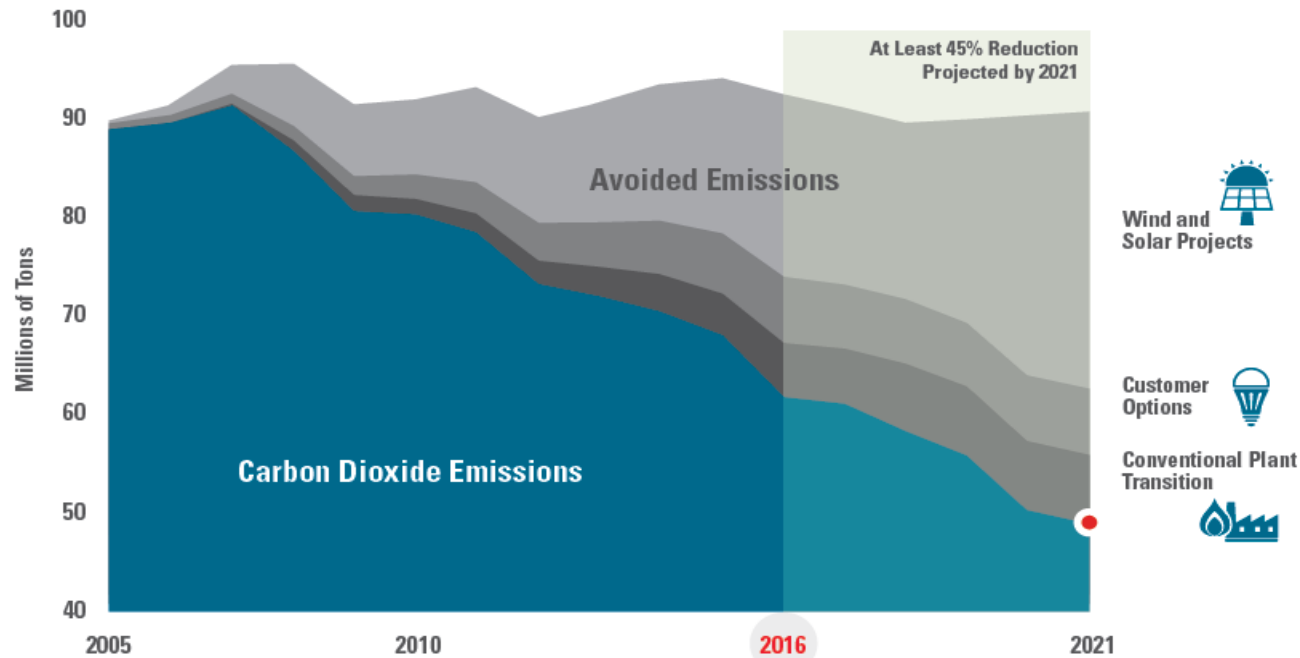
Stapleton Battery Project

- Test the residential application of battery storage systems
- Six battery systems of multiple sizes deployed at strategic locations along the distribution feeder
- High concentration of solar PV



Xcel Energy Carbon Emissions Trajectory

Xcel Energy's Clean Energy Strategy is Driving Reductions in Carbon Emissions



30%
Emissions
Reduction

=

27
Million Tons
per Year

=

Taking **Five Million**
Cars off the Road

Our Colorado Environmental Story

- Giant investments in wind and solar
- Modernizing our traditional power plants – closing older ones (Valmont)
- Focusing on an advanced power grid, batteries, enabling more renewable energy
- Adding 600MW wind, 160MW of solar
- Saving customers millions in fuel costs
- **The number-one provider of wind energy in the nation 12 years in a row**
- **Top-ten in solar energy**
- ***Rates below the national average***

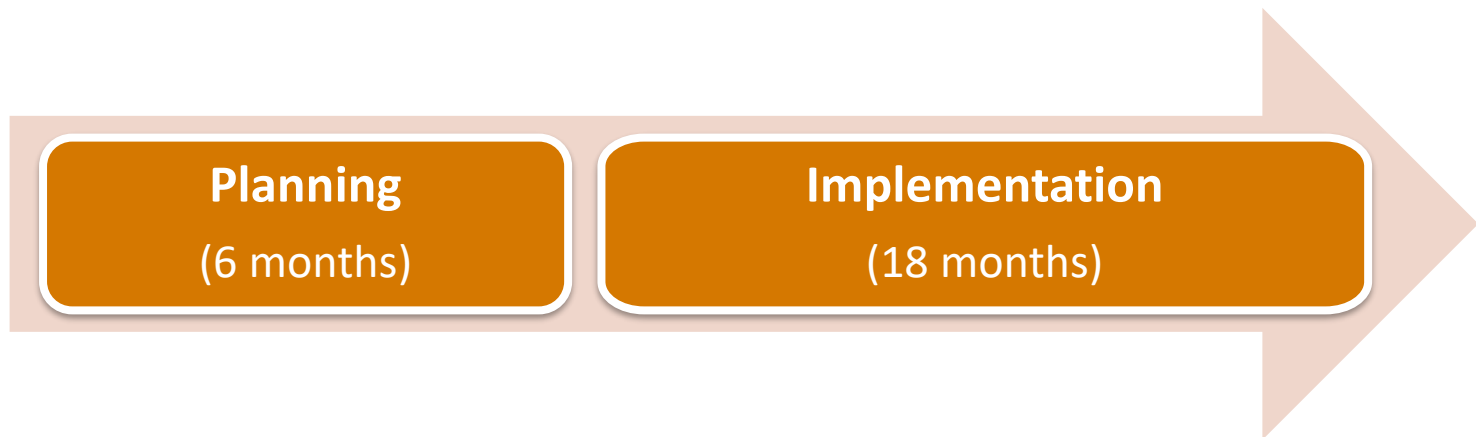
What is Partners in Energy?

Conor Merrigan, Brendle Group

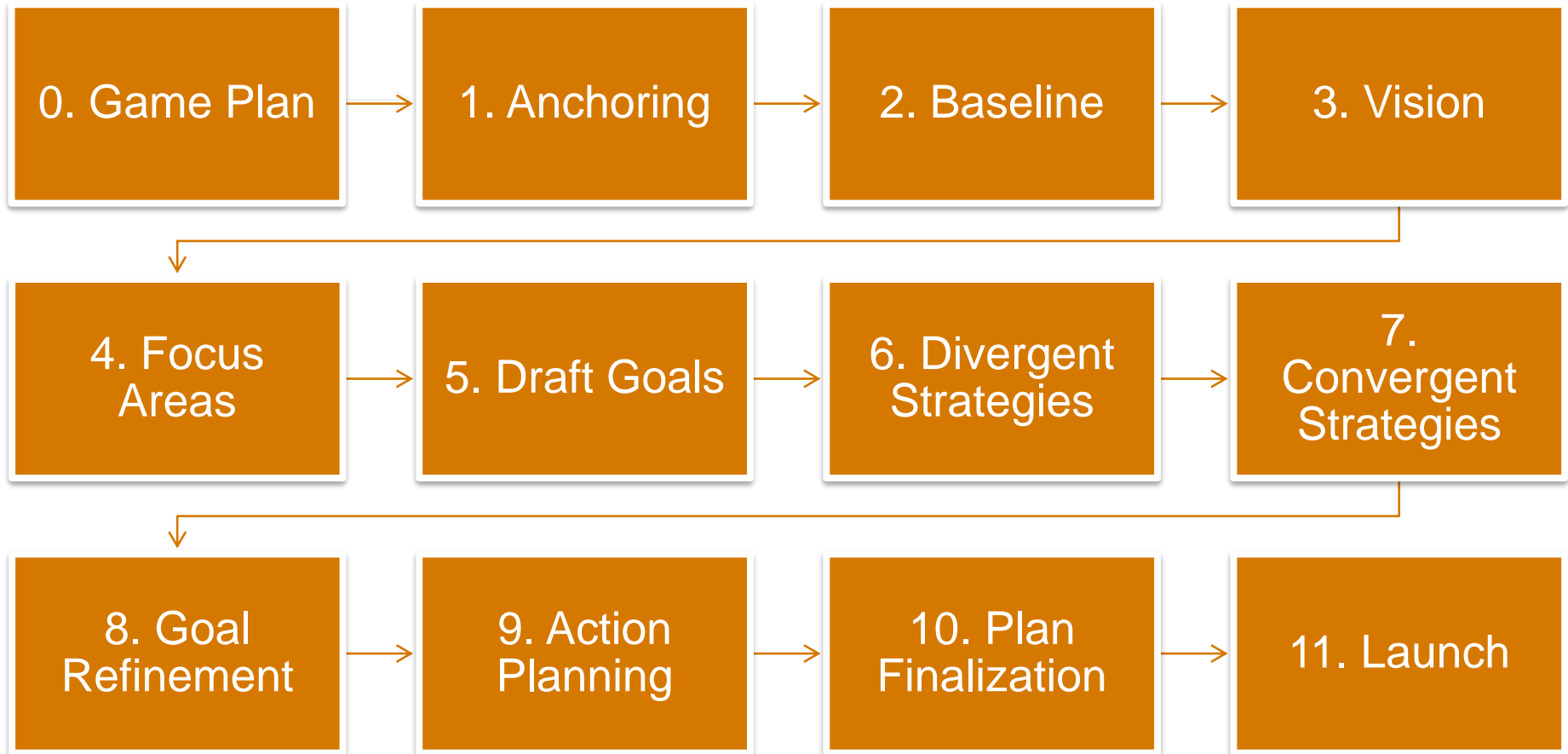
Partners in Energy Scope

What is Partners in Energy?

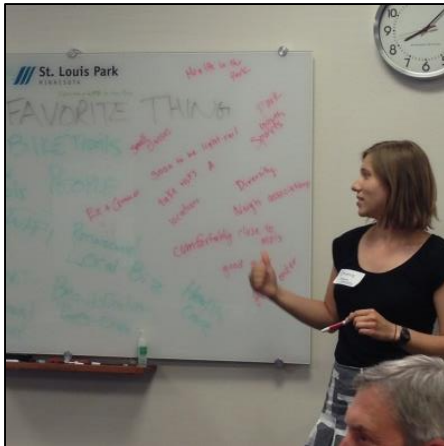
- Partners in Energy is a *two-year* collaboration with Xcel Energy to develop and implement your energy plan goals
- Xcel Energy provides tools and resources to enable community-driven energy planning and implementation



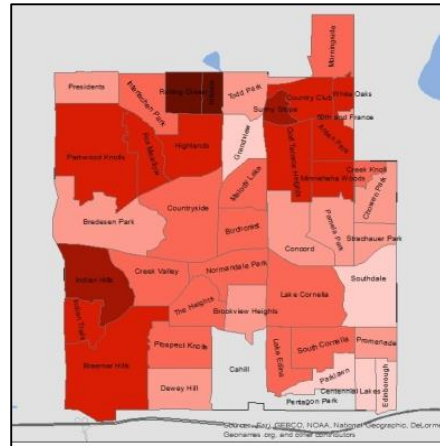
Planning Workshop Modules



Resources for Planning



Facilitation & Guidance

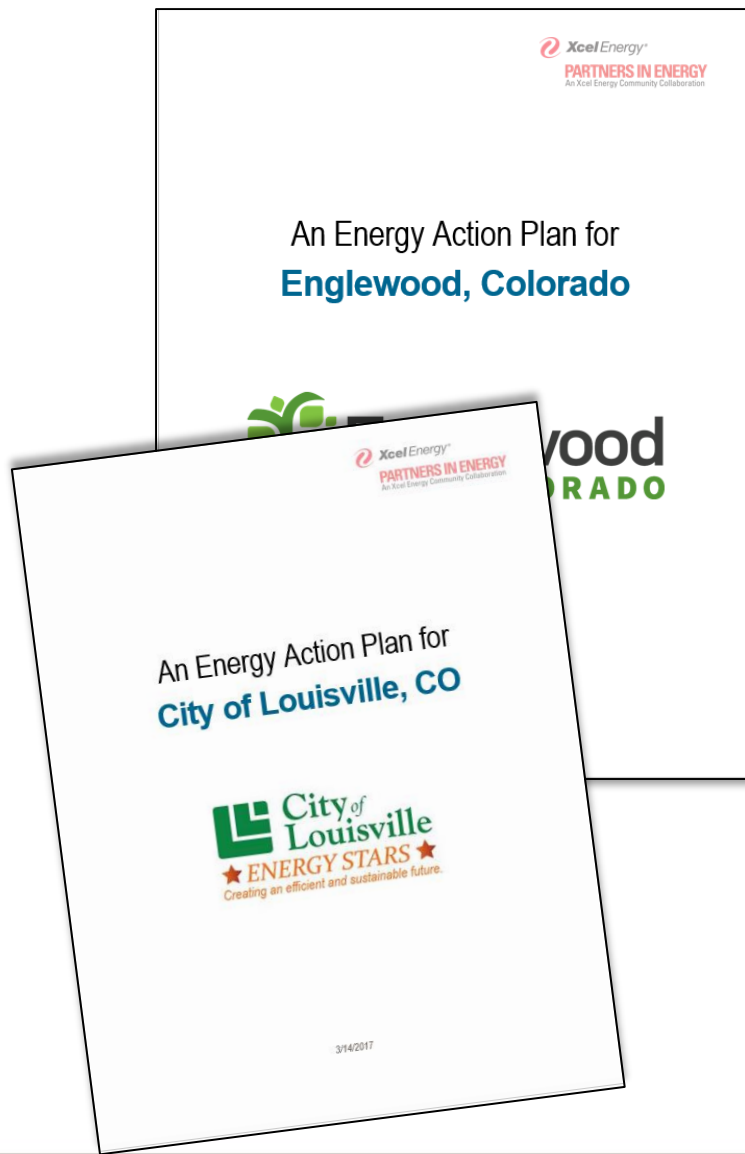


Data



Project Management

Energy Action Plan



- Outcome of planning phase
- Plan for pursuing your Community's Energy Vision
- Guides implementation phase

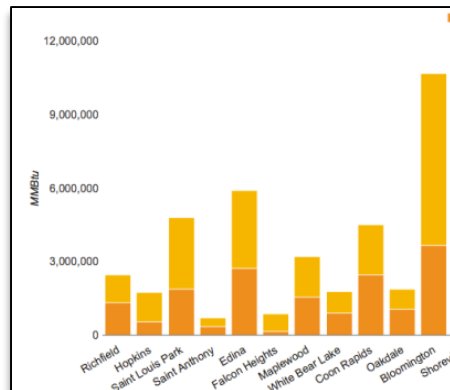
Resources for Implementation



Marketing & Communications



Program Expertise



Data Tracking/ Measurement



Project Management

Erie - Status

- Forming Planning Team
- First Workshop Tentatively set for July 12th, 6-8PM
- Working through initial logistics





PARTNERS IN ENERGY
An Xcel Energy Community Collaboration