

# Boulder Energy Future

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# What we are trying to achieve

## An Energy System that:

- **Is clean:** A rapidly decreasing dependence on fossil fuels as an energy source, supporting efficient and electrified buildings and vehicles.
- **Is local:** A robust energy economy, with more control of energy supply and investments, and services that meet the our needs.
- **Provides value:** Access, for everyone, to energy and innovative technology at competitive costs that balance short- and long-term interests.
- **Is reliable and secure:** A stable, resilient and safe energy supply that is protected against external threats.



# What we are trying to achieve

GOAL AREA	STATUS		TARGET
EMISSIONS REDUCTION	13%	67%	80% by 2050
CITY ORG. EMISSIONS REDUCTION	34%	46%	80% by 2030
CLEAN ELECTRICITY	29%	71%	100% by 2030
LOCAL GENERATION	~35 MW	~65MW	100 MW by 2030



# Project Update



# Costs we're finalizing for Go/No-Go vote

## Acquisition

- Cost to buy Xcel's assets



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## Separation construction

- Cost to make two separate electric distribution systems



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## Transition Cost

- Cost to start-up the utility



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## Power Supply

- Cost to buy electricity to sell to customers





# Current schedule for upcoming phases of work

- Communications and Engagement
  - Working Group: Wrapping up
  - Strategic 2018-2020 Plan: July
  - Discussion with council on July 10



## Current schedule for upcoming phases of work

- Communications and Engagement
- Separation Engineering
  - Xcel Energy Load Interconnection Process
    - System Impact Study Agreement signed (results 9/1/18)
    - Engineering design for substations (Through 2019)
  - Xcel Energy and city negotiate distribution system design (Through June)
  - Detailed design (Through 2019)



## Current schedule for upcoming phases of work

- Communications and Engagement
- Separation Engineering
- **Cost of Acquisition**
  - Price negotiation with Xcel or condemnation (Q3 2018 through 2019)



## Current schedule for upcoming phases of work

- Communications and Engagement
- Separation Engineering
- Acquisition
- **Transition Planning**
  - Future Utility Operations / Customer Services (Through 2020)
  - Information Technology (Q4 2018 through Q1 2021)



## Current schedule for upcoming phases of work

- Communications and Engagement
- Separation Engineering
- Cost of Acquisition
- Transition Planning
- Power supply and resource planning
  - Request for indicative pricing (Through 2018)
  - Developing Power Supply Agreement (Q4 2018 through 2020; signed after Go/No-Go Decision)



## Current schedule for upcoming phases of work

- Communications and Engagement
- Separation Engineering
- Cost of Acquisition
- Transition Planning
- Power supply and resource planning
- Go/No-Go Vote
  - November 2020



## Current schedule for upcoming phases of work

- Communications and Engagement
- Separation Engineering
- Cost of Acquisition
- Transition Planning
- Power supply and resource planning
- Go/No-Go Vote
  - November 2020
- Post Go/No-Go



# Timeline

	2018				2019				2020			
	1	2	3	4	1	2	3	4	1	2	3	4
Finalizing Acquisition Costs												
Separation Engineering												
Transition Planning												
Power Supply and Resource Planning												
Go/ No-Go Decision												





# Questions?

