Burlington’s transition to a Net Zero Energy City
The Starting Point:
First city in the nation to source 100% of electricity from renewable generation
What comes after 100%?

- Climate change is real
- Utility biz model changing: innovate or die
- Must address equity and access
- Meeting customer needs is paramount
2030 Vision

Transition Burlington to a net zero energy city across electric, thermal, and ground transportation sectors by managing demand, realizing efficiency gains, and expanding local renewable generation, while increasing system resilience.
Spark Electric Innovation

- Solar Shopper
  - Support customers as trusted advisor
  - Streamline delivery and support
  - Financing options for low-to-middle income customers
- Defeat the Peak
  - Use spirit of community action to drive behavior change
- Pilot microgrids
  - Combination of solar, battery storage, remote management
Lead Thermal Transformation

- District Energy System
  - Uses waste heat from biomass plant and sewer
  - Project could yield 15-20% reduction in CO2 emissions citywide
- Energy Champ
  - Focus on “whole home” efficiency
  - Online tool to access gas and electric incentives
- Smarter Design
  - Passive House training; creation of “2030 District”
Drive Transportation Change

- Electric Vehicles and EV Infrastructure
  - Public stations, home charging
  - Special night time charging rates
- E-Bus Pilot
  - Assisting in purchase of four all-electric busses for regional transit system
- E-Bike Program
  - Motorized bicycles for in-town use
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