



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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