

Utility Infrastructure Investment Proposals



Testimony to the House Committee on
Energy and Technology

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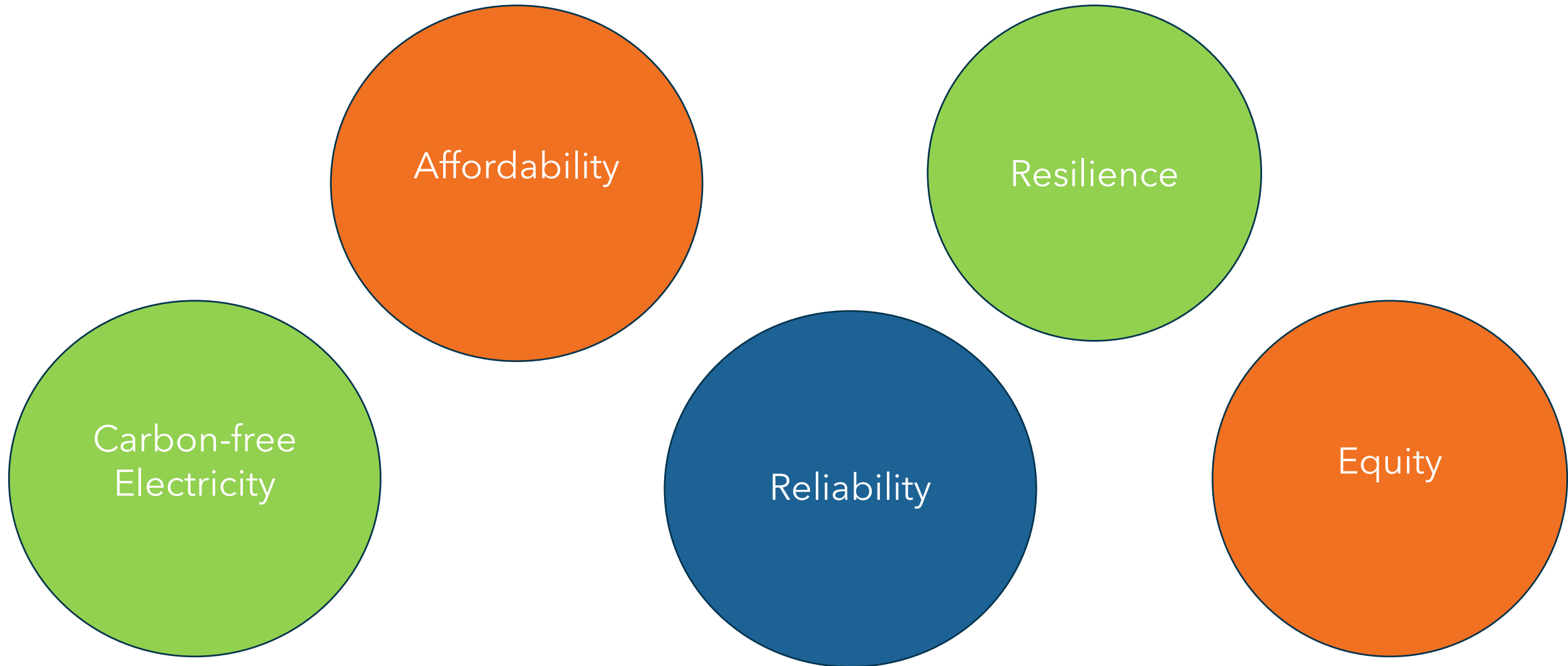
Vermont Public Power Supply Authority

Vermont's Energy Transformation

Clean electricity and a strong, flexible grid are essential to reducing GHG emissions to fight climate change & support energy transformation.

- Increased distributed generation and renewables
 - Small, customer sited resources
 - Intermittent generation resources
- Electrification of thermal and transportation sectors
 - Significant increases in load
- *Flexible loads*
 - Responsive to price and grid conditions
- Prevalence of storage
 - Characteristics of both a generator and load

Joint Utility Goals



Utilities Support Vermont's Climate Commitments



Meet requirements at the lowest cost to customers

- Increasing costs in electric sector is counterproductive

Hardware and software investments needed for the grid to function optimally

- Ensure least-cost investments

Equitable Transition



Ensuring that certain populations aren't left behind in the Energy Transformation will require thoughtful, targeted investments.

- Specific efforts to help energy burdened Vermonters
- Make sure we reach all corners of the state
- Federal and state funds are needed to avoid rate increases.

Next Steps

- Utilities meet next week to prioritize investments
 - Many of these investments are scalable
 - Can be adapted to fit available funding
 - Some investments can begin immediately, others are longer-term
- Each utility should receive proportional funding
 - Consensus principle
- State allocations of federal dollars will ensure that critical components receive funding.
 - Provide certainty that they will be achieved

Category	Proposal	Amount Requested
Resilience and Reliability	Strategic relocation/ upgrade of distribution infrastructure	\$593,224,000
	Vegetation management (ROW clearing/ proactive EAB management)	\$178,657,477
Grid Modernization	Advanced metering infrastructure (AMI)	\$10,200,000
	Flexible load management/ distributed energy resource management systems	\$1,163,650
	Distribution automation	\$68,231,176
	Energy Storage	\$10,000,000
Energy Transformation Equity	Residential/ business electrification make ready (service upgrades, panel upgrades, upsizing transformers)	\$676,575,095
Distributed Generation Integration	DG-unlocking transmission	\$668,192,000