



Reforming the Energy Vision (REV)

*DOE Electricity Advisory Committee
NYS PSC Chair Zibelman
September 24, 2014*

The Utility of the Future



- The Distributed System Platform Provider (DSPP) needs to integrate, monitor, and control Distributed Energy Resources (DER).
 - Ensure system reliability
 - Increase system resiliency and efficiency
 - Maintain system security
 - Maximize energy efficiency
 - Promote fuel diversity
 - Empower customer choice and third party participation in newly-formed markets

Why do we need to change?



- Aging infrastructure
- Slow load growth
- Deteriorating load profile
- Clean energy requirements
- Increased demand for uninterrupted
- Increased adoption of distributed generation and other distributed energy resources, including storage

Burden on New Yorkers



Over the last ten years, \$17 billion was invested in New York State's electricity infrastructure.

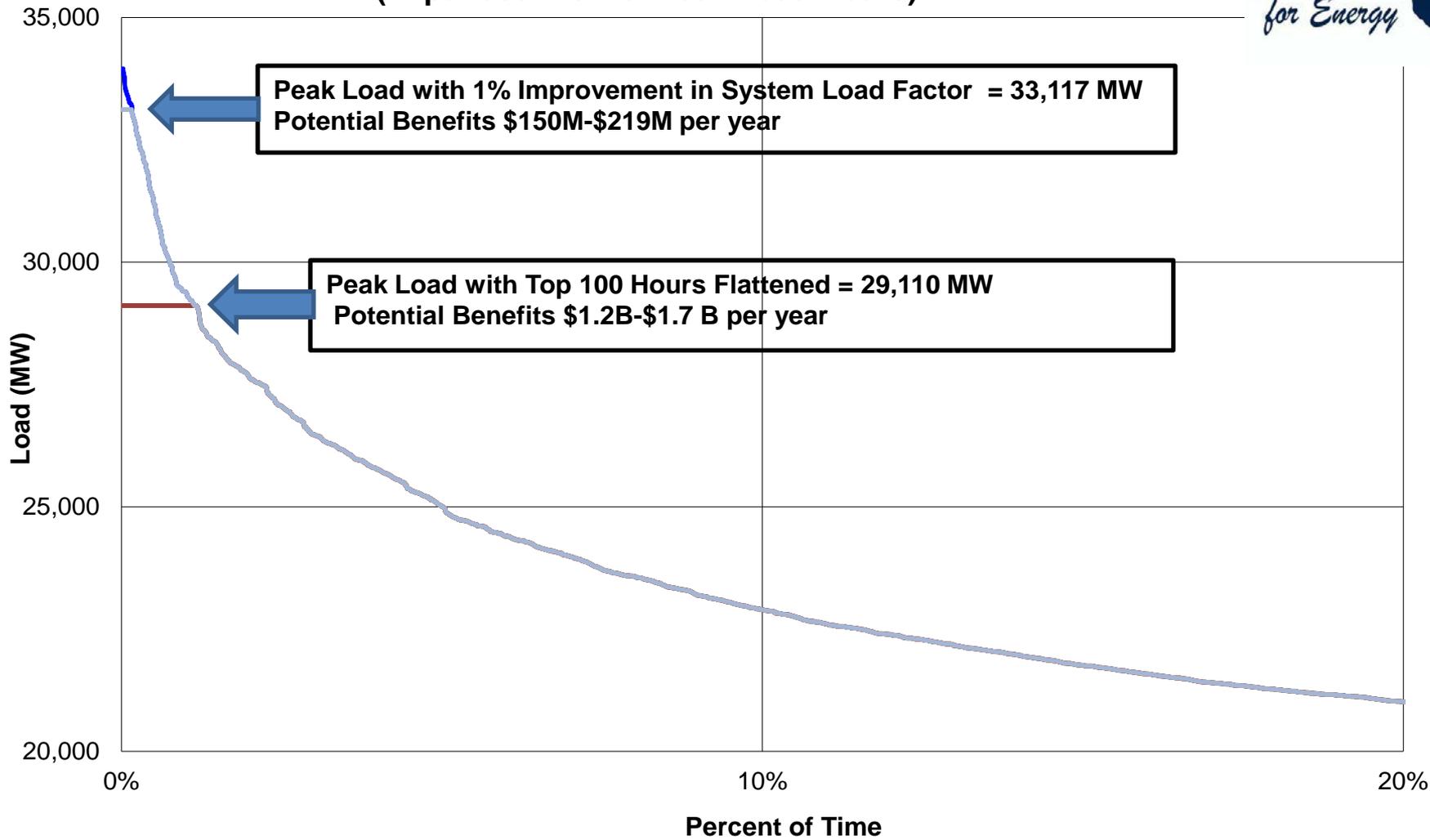


Over the next ten years, **an additional \$30 billion in capital investments** is needed just to maintain our infrastructure.

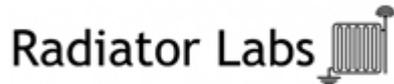


2013 New York State Hourly Integrated Real-Time Load Duration Curve

Peak Load = 33,956, Avg Load = 18,666, Min Load = 12,055
(Expanded View of Peak Load Hours)



Innovation Sitting on the Sidelines



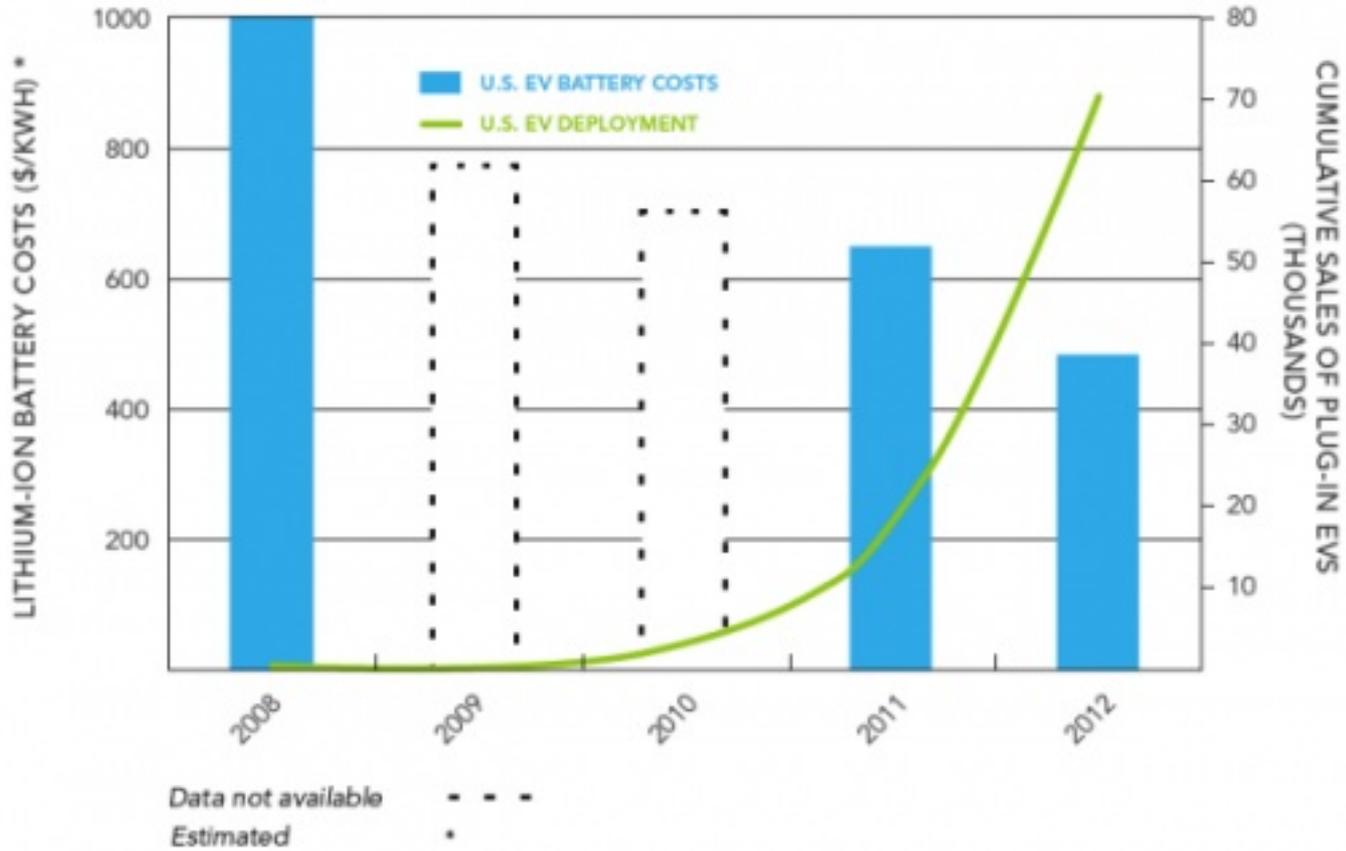
Higher performance lighting solutions

These are the types of homegrown companies we need to continue to innovate and create jobs here in New York State.

Technology Is An Opportunity



Deployment and Cost for Electric Vehicles and Batteries*
2008-2012



Technology Is An Opportunity



HomeKit

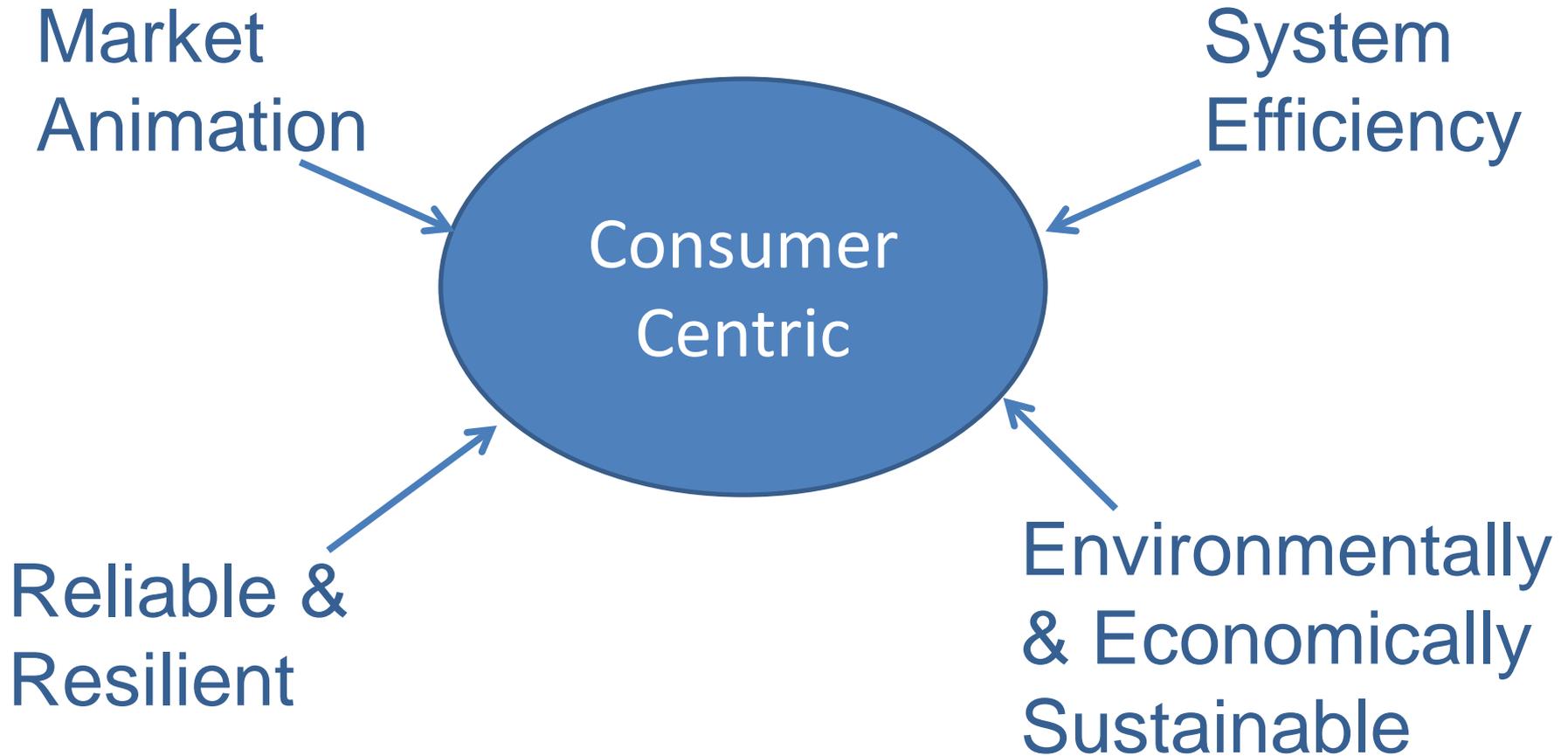


How Do We Need to Change?



- NY's new regulatory compact demands the promotion of market-driven, clean energy innovation in front of and behind the meter
- REV is about making that happen

REV's Expected Outcomes





How Do We Get There?

Creating the Distribution System Platform Provider (Part 1)

- Planning & Investment Transparency
 - Value of customer resources
 - System development
- Operationalizing Efficiency
 - Load management is the “first fuel”

How Do We Get There?

Creating the Distribution System Platform Provider (Part 2)



- Product & Service Innovation (Consumer Engagement)
 - Price Signals
 - Demand Response
 - Service Differentiation
 - Data Analytics

Modifying the Regulatory Model



- Outcome based
- Metrics & earning opportunities aligned w/consumer value
- Information transparency
- Identification & elimination of barriers to entry

REV Process



➤ Next Steps:

- 2nd tech conference set for Nov. 6
- Policy determination on distributed system platform & customer engagement issues due early 2015
- Staff straw proposal in early 2015 addressing regulatory changes and ratemaking issues

REV Details found at WWW.DPS.NY.GOV