

Agenda



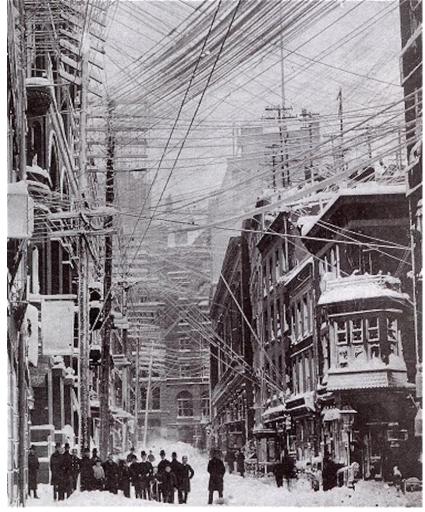


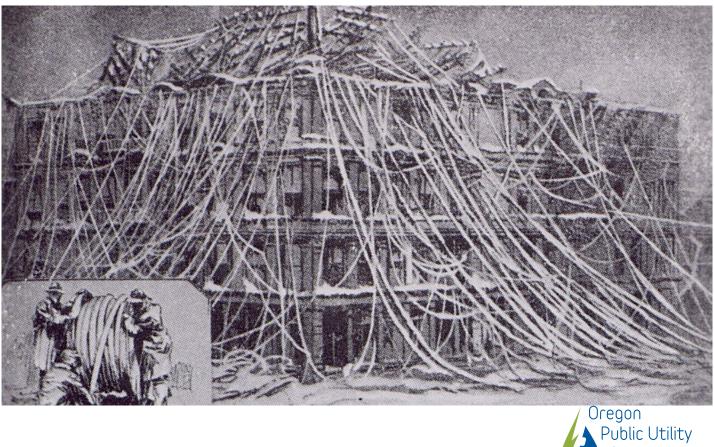
- A brief history of public utility regulation in the energy sector
 - Application of Regulatory Principles
 - The Regulatory Compact
 - Structural Market changes

The Evolution of Regulation:
 Changing Policy and Technology









Regulatory History



- Oregon Public Utility Commission has been regulating electricity service for more than 100 years
- The structure of utility regulation is based on three basic principles:

Service should be available to everyone Customers should pay for the cost of service

Service should be reliable and safe, at just and reasonable rates



Regulatory Compact

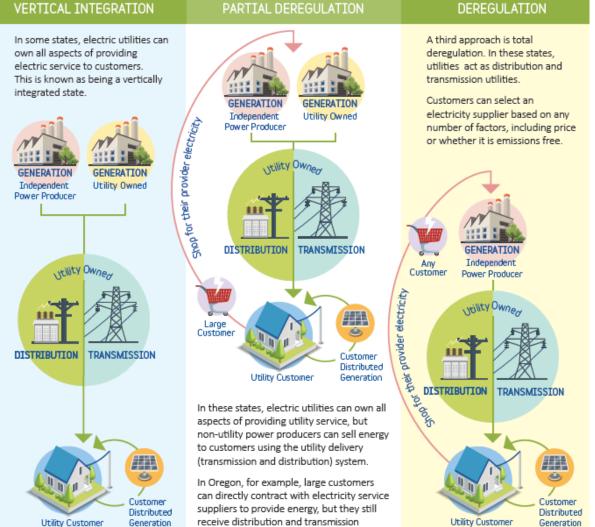




Utilities	Customers
Service territory (Geographic Monopoly)	Entitled to service
Opportunity to recover cost <u>and</u> opportunity to earn rate of return on investments	Reasonable rates Reliable service

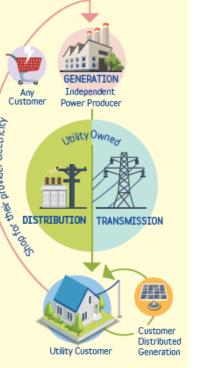


Market Structures



services directly from their utility.



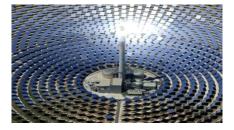




What's Changed?



- 1. Societal goals are evolving and changing
- 2. The speed of technology change is rapidly accelerating
- Customer's desire for individual and community choice in all markets is increasing
- 4. The ability for competitors to supply energy is increasing





New Grid Operations



Original Grid Design

- 1- way power flow
- Central resources
- Predictable load
- Dispatchable generation
- Limited/manual data collection

Drivers

Improved
Communications
& Controls

Lower costs

More efficient system

Enable customer choices

Future Grid

- 2- way power flow
- Distributed Resources
- Dynamic/managed load
- Variable generation
- Automated data capture and analytics



Questions



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Your Utility Bill

