Smart Grid Northwest

Bryce Yonker

Executive Director

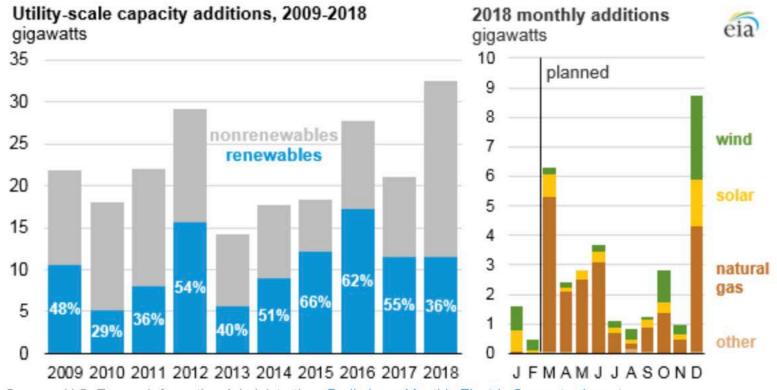
Ocean Renewable Energy Conference 09.18.18



Capacity Additions Utility Scale

EIA 2018



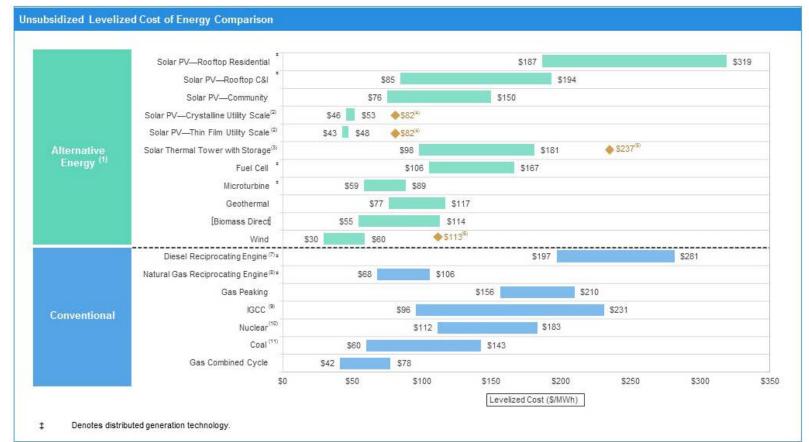


Source: U.S. Energy Information Administration, Preliminary Monthly Electric Generator Inventory

Levelized Cost of Energy (LCOE)

Lazard 2017

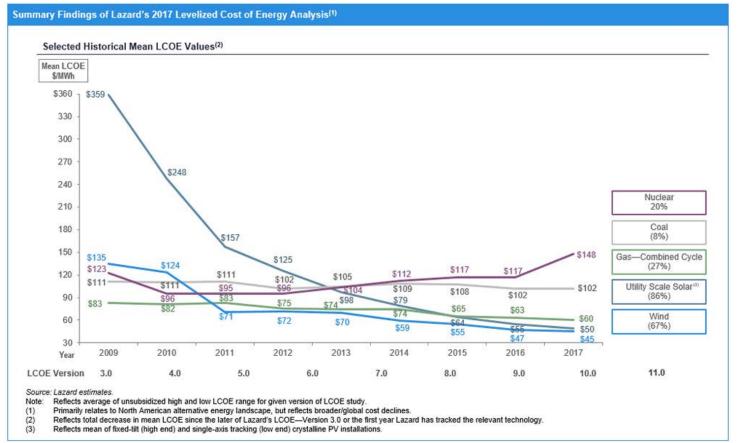




Levelized Cost of Energy (LCOE)

Lazard 2017

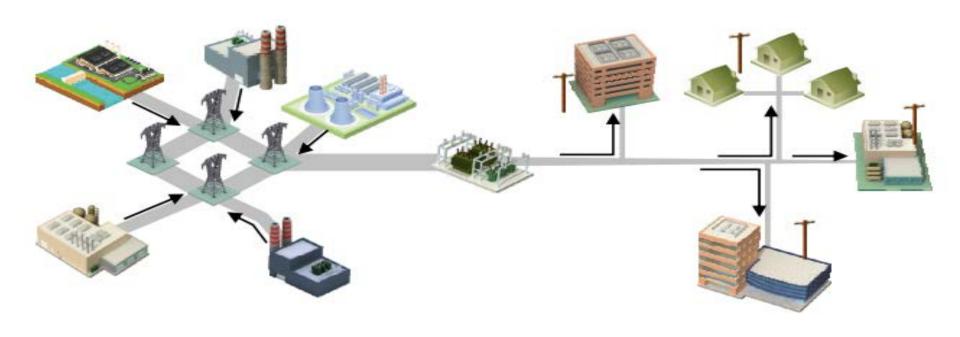




Old/Current Grid

One Way Flow, Central Generation

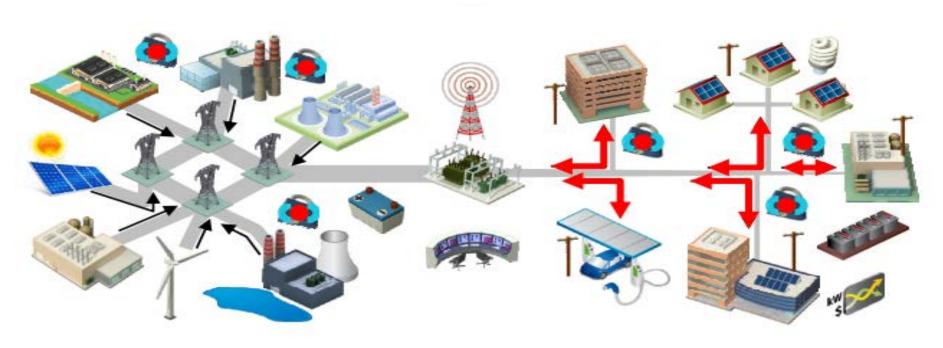




New/Modernized Grid

Smart Grid Northwest

Two Way Flow, Central & Distribution Generation, Increased Monitoring and Controls



Key Reasons for a Smart Grid

Smart Grid Northwest

- Outdated infrastructure (delayed investments)
- Manage total energy costs (especially peak)
- System flexibility (integrate distributed resources, storage)
- Better system resiliency, control and uptime
- Higher asset utilization
- Consumer choice and education
- GHG reduction and carbon management







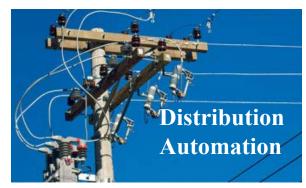


Smart Grid Happening Now















Thank you.

BRYCE YONKER

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