Seattle City Light and the Western Energy Imbalance Market

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WESTERN EIM

- PacifiCorp
- Puget Sound Energy
- NV Energy
- AZ Public Service
- Portland General Electric
- PowerEx
- Idaho Power
- BANC/SMUD
- LADWP
- Salt River Project
- Seattle City Light
REGIONAL SURPLUSES SINCE NOVEMBER 2016

NET MONTHLY OUTFLOW & INFLOW OF ELECTRICITY
in Northwest, Southwest, and California Balancing Authorities

Source: EIA Electric System Operating Data Tool, accessed 11/21/2017

- CAL inflow
- NW outflow
- SW outflow
- WEST: Net inflow outflow
ZERO MARGINAL COST ENERGY
CHANGES EVERYTHING
# PRICING VOLATILITY

## 2017 Mid-C Hourly Prices (1/1/2017 - 12/31/2017)

![Graph showing hourly prices from 1/1/2017 to 12/31/2017 with price volatility]

## # of Hours with Negative Prices

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| Average Negative Price | ($2.49) | ($3.11) | ($1.81) | ($2.15) | ($1.30) | ($2.35) | ($3.22) |
PLAN EARLY, OFTEN AND BE FLEXIBLE

• Change Management = People
  o Critical to success
  o Budget and train for it

• Set expectations at all levels of the organization
  o Define, share and reinforce the “why”

• Recognize that the project will evolve
  o Create a solid support structure that can flex with challenges
  o New ETRMS anyone?