

Kodiak Electric Association, Inc.

Darron Scott, President/CEO
Alaska Power Association Annual Meeting

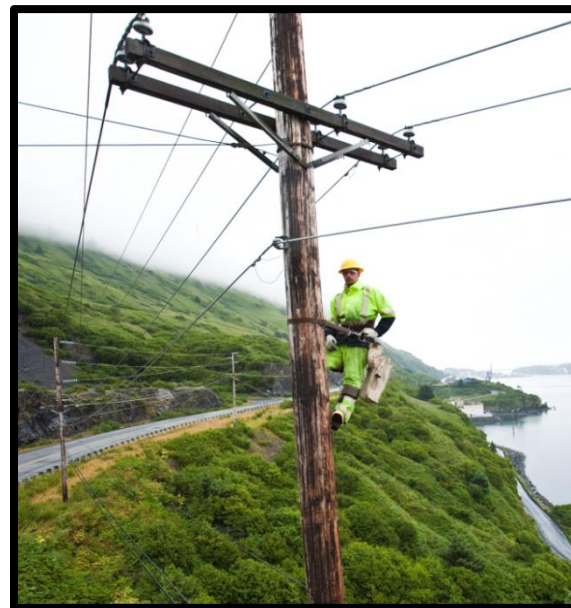
Kodiak, Alaska





Kodiak Electric Association, Inc.

- ▶ **Provides electricity to 6,000 meters**
- ▶ **Peak Load – 28 MW**
- ▶ **Minimum Load – 11 MW**



Back in 2000

- ▶ **59% Diesel**
- ▶ **41% Hydro**
- ▶ **Set for all load growth by diesel generation**
- ▶ **Hydroelectric power plant was owned by a third party**



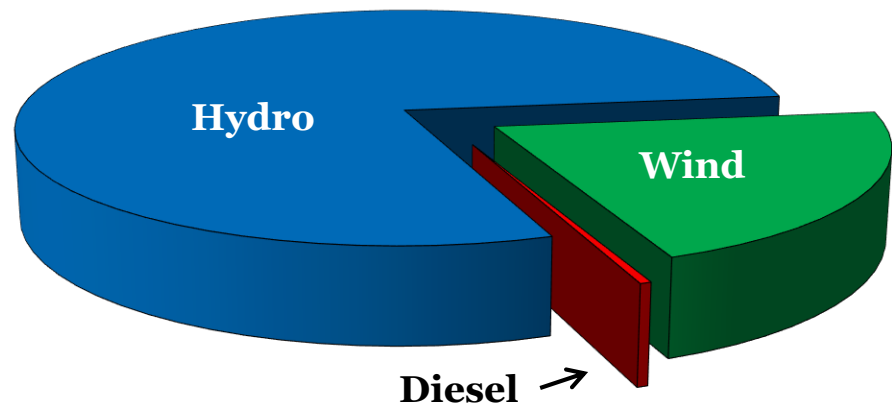


Vision Statement

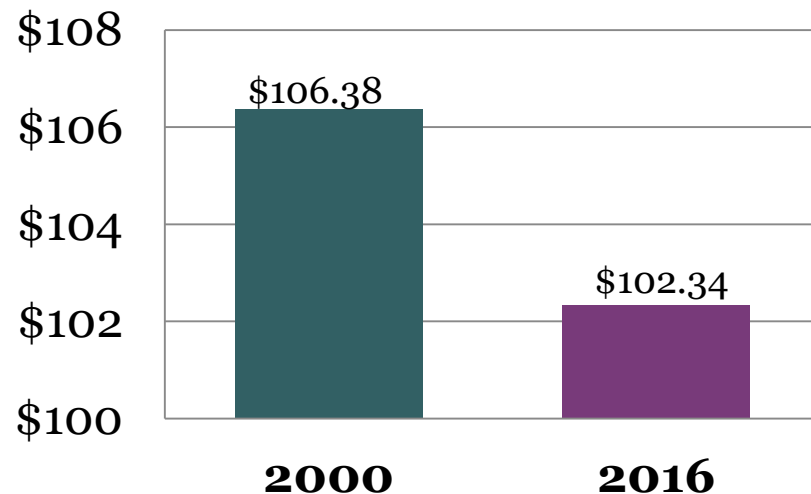
► **February 23, 2007**

“Kodiak Electric Association, Inc. shall endeavor to produce 95% of energy sales with cost effective renewable power solutions by the year 2020”

KEA in 2016

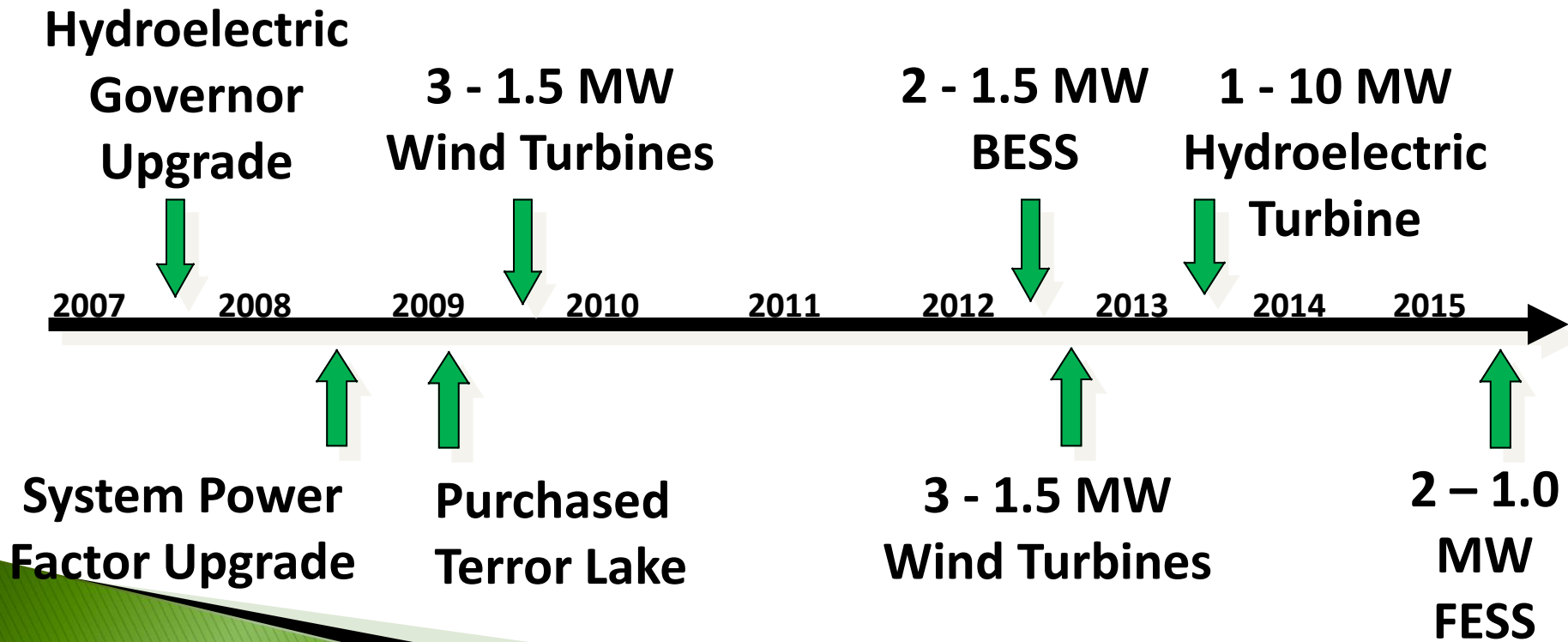


Residential Rates (600 kWh)



Rates are 3.8 % lower than they were in 2000.

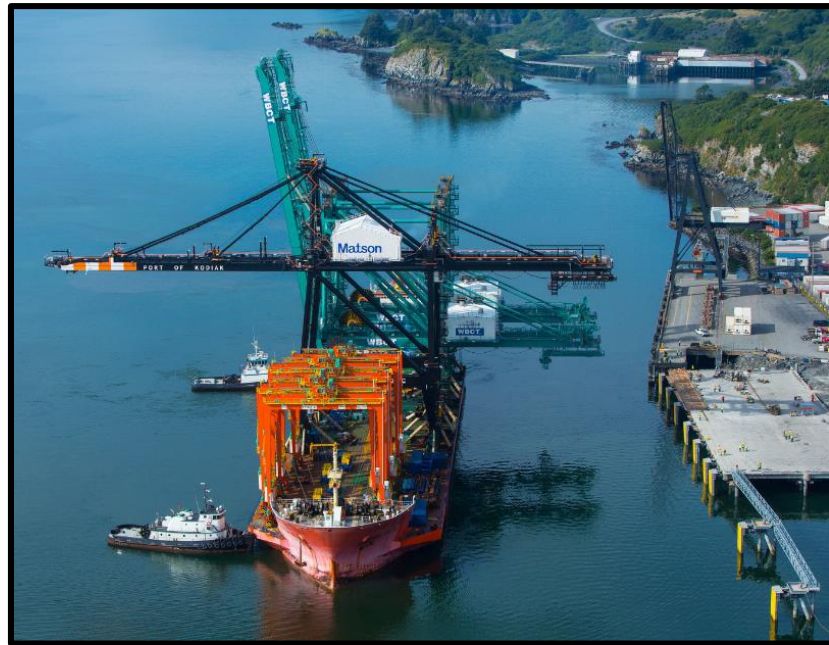
Project Timeline



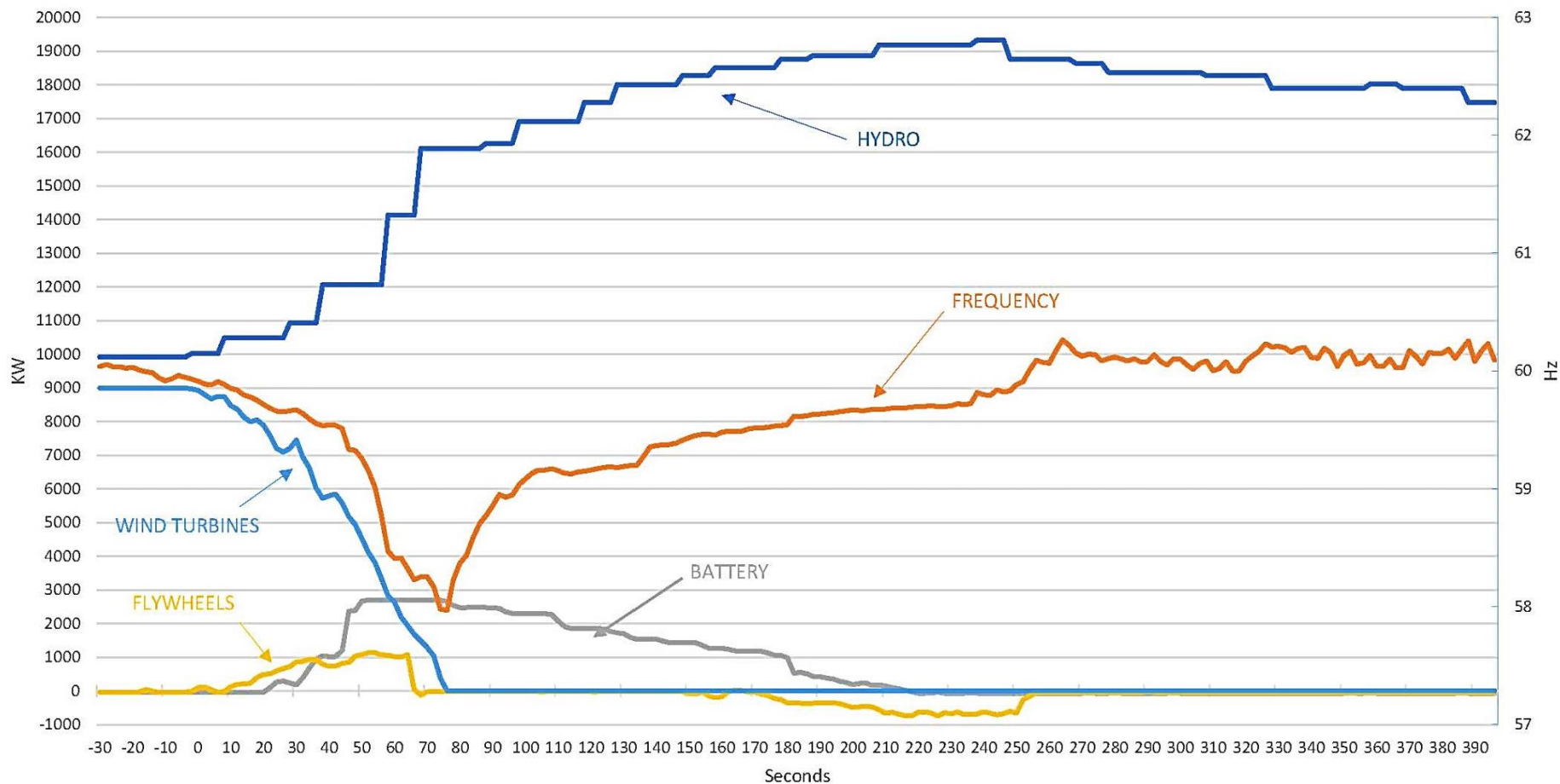
Battery Energy Storage System



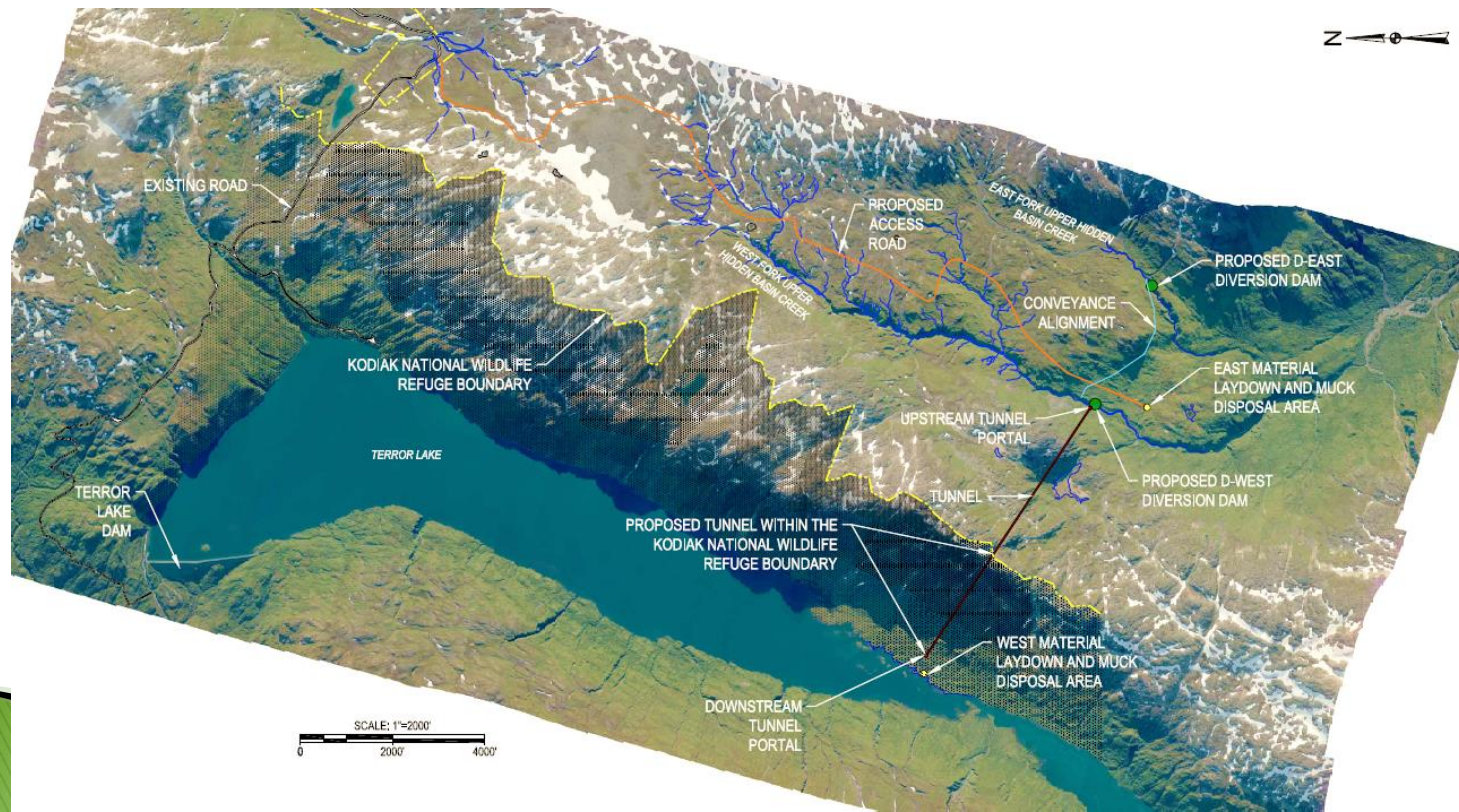
Flywheel Energy Storage System



SYSTEM RESPONSE TO WIND EVENT 11/11/2015 12:53 PM



Upper Hidden Basin Diversion





Vision Statement

► **Revised January, 2017**

“Kodiak Electric Association, Inc. shall endeavor to maintain 98% of energy sales with cost effective renewable power solutions for the future of our members and the community”