

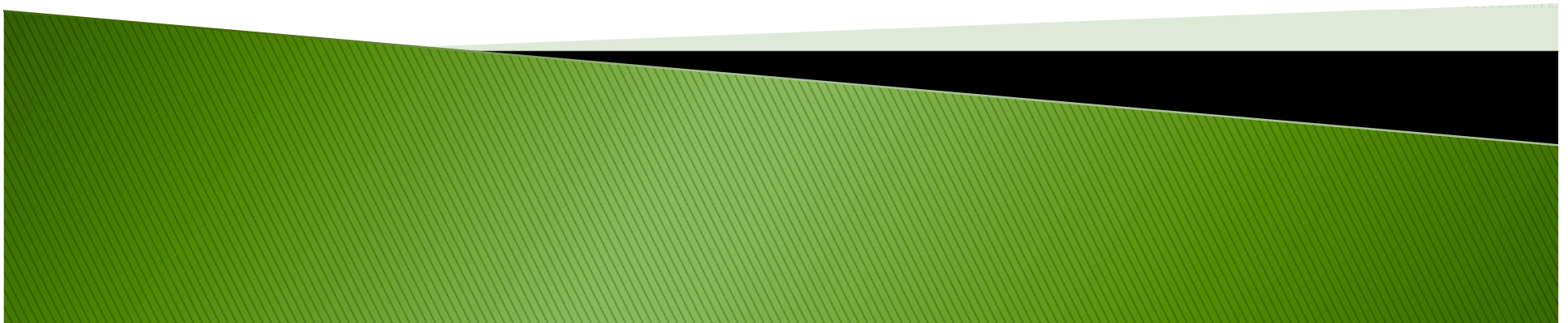
Pillar Mountain Wind Project Update

Kodiak Electric Association, Inc.

Darron Scott, President/CEO

House Resources Committee Meeting

January 27, 2012





Vision Statement

kodiak electric association
ENERGY



vision

KEA shall endeavor to produce 95% of energy sales with cost effective renewable power solutions by the year 2020

Kodiak Electric Association, Inc.





Kodiak Electric Association, Inc.



- **Locally-Owned Electric Cooperative**
- **Provides Electricity to approximately 5,800 Members**
- **Isolated Electric Grid**
 - **Peak Load – 26 MW**
 - **Minimum Load – 11 MW**
- **Diverse Power Generation Portfolio**
 - **Terror Lake Hydroelectric Plant: Two 11.5 MW Units**
 - **Pillar Mountain Wind Project: Three 1.5 MW Units**
 - **Four Diesel Generating Stations**
 - **Generator size ranges from 140 kW to 6.5 MW**
 - **Total diesel generating capacity of 33 MW**

Kodiak Electric Association, Inc.





Pillar Mountain Wind Project



- ▶ Operational since July 2009
- ▶ Power generated since startup: 32,188,281 kWh



Photo courtesy of
Dake Schmidt

Kodiak Electric Association, Inc.





Project Financing



- ▶ \$1 million in general state grant
- ▶ \$4 million from Renewable Energy Fund Round I
- ▶ \$12 million low interest CREB loan
- ▶ Remainder \$4.4 million financed directly from KEA

Kodiak Electric Association, Inc.





Operational Successes



- ▶ No power outages
- ▶ Approximately 98% availability
- ▶ No bird strikes





Savings



- ▶ 2.2 million gallons of diesel saved since startup
- ▶ Net savings at \$3.25 per gallon for fuel:

\$4.8 Million



Kodiak Electric Association, Inc.





Building on Success



Pillar Mountain High Penetration Wind Project



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Energy Storage System

Xtreme Power Battery System



Kodiak Electric Association, Inc.





Pillar Mountain High Penetration Wind Project



**Doubling our
community's wind
and fuel savings.**



Kodiak Electric Association, Inc.

