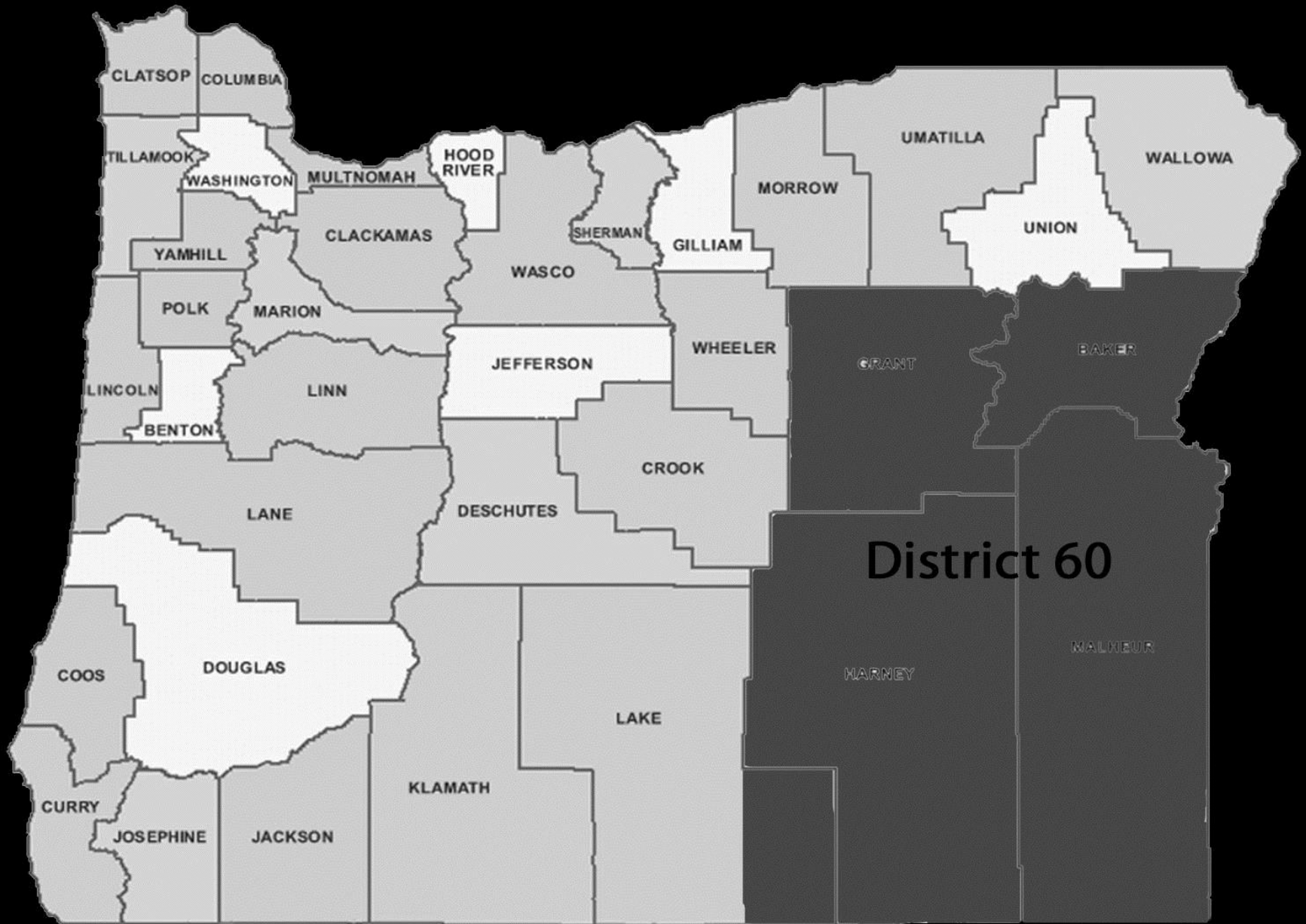


HOUSE AGRICULTURE & NATURAL RESOURCES COMMITTEE



REPRESENTATIVE CLIFF BENTZ
HOUSE DISTRICT 60



District 60

INVERTED
MINING IN
EASTERN
OREGON



Caithness Shepherds Flat wind farm in Arlington



Willow Creek wind farm in Gilliam and Morrow Counties



Willow Creek wind farm in Lone



West of Boardman



Near Wasco

NUMBER OF ACRES COVERED...
OR SOON TO BE COVERED
BY WIND FARMS IN OREGON:

60,786 ACRES

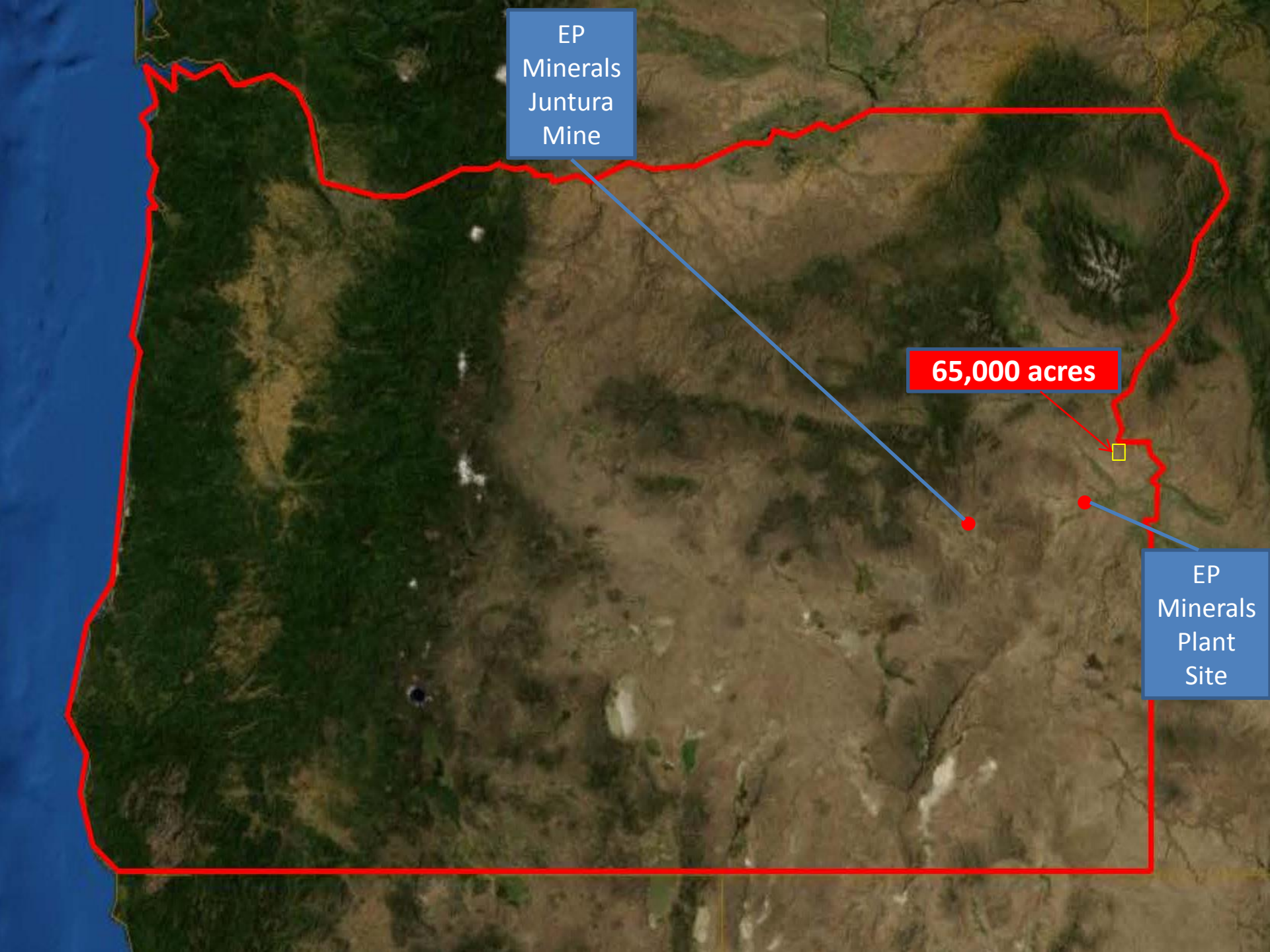
WIND FARM FACTS

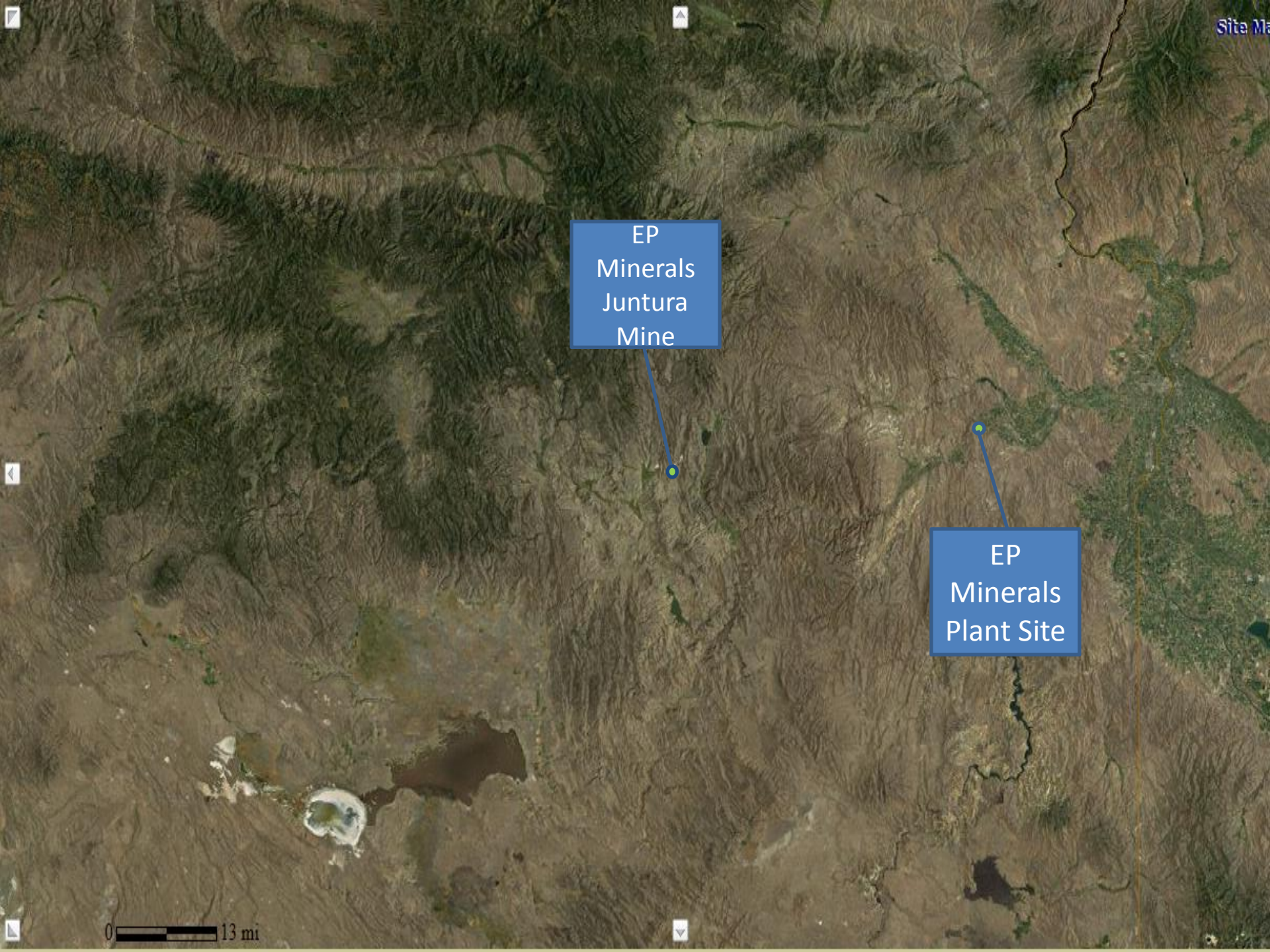
- 262 feet high
- Seen from 1.5 miles away
 - 25 year lifespan
- Miles of transmission lines

EP
Minerals
Juntura
Mine

65,000 acres

EP
Minerals
Plant
Site





EP
Minerals
Juntura
Mine

EP
Minerals
Plant Site

0 13 mi

Sita Ma



EP
Minerals
Juntura
Mine

Juntura Cutoff
Road
(7 miles long)

EP Plant Site
Approx. 70 miles

Hwy 20



0 2 mi







EP MINERALS' JUNTURA MINE ECONOMIC IMPACT

	EP Minerals Mine	George's Shop & Rock Trucking
Total # of Employees	84	30
Annual Payroll	\$5,550,000	\$1,148,044
Parts, Rentals, Supplies & Services	\$9,363,000	\$1,400,000
Utilities	\$1,300,000	\$9,000
Annual Taxes:		
• Payroll	\$383,778	\$107,194
• Personal Property	\$15,321	\$4,973
• Real Property	\$159,632	not available
Annual Royalties Paid:		
• State	\$504,882	not applicable
• Private	\$22,003	not applicable

TOTAL ANNUAL ECONOMIC IMPACT= \$19,967,827

Other Information

Expected Life of the Mine

100+ years of reserves

Hours of Operation

The processing plant and transports run 24 hours per day

Road Traffic

Avg. of 720 loads per month

(approx.. 24 loads/day)

*expected to increase to 810/month this year

Tons Per Load

32 tons of raw ore x 720 load per month=

23,040 tons per month

276,480 tons per year

Money Spent on Road Repairs

\$200,000 spent by EP Minerals & Transport last year on road repairs

Size of Malheur County

9,887 sq. miles (6,327,680 acres)

Size of Disturbed Acreage

1.03 sq. miles (657 acres)

(less than 1/50 of 1% of Malheur County)

- 114 JOBS

- ANNUAL ECONOMIC

IMPACT=

\$19,967,827

MINES
BEFORE &
AFTER

Portal and Shaft Area – During Mining Operations Conceptual Drawing



SOURCE: Calico Resources

Portal and Shaft Area – After Reclamation Conceptual Drawing



SOURCE: Calico Resources

Mill Site – During Mining Operation Conceptual Drawing



SOURCE: Calico Resources

Mill Site – After Reclamation Conceptual Drawing



SOURCE: Calico Resources



Caithness Shepherds Flat wind farm in Arlington