Closing Remarks

Robi Robichaud
National Renewable Energy Laboratory
September 2, 2010

BLM Lands

The BLM manages more Federal land than any other agency – about 245 million surface acres as well as 700 million sub-surface acres of mineral estate.

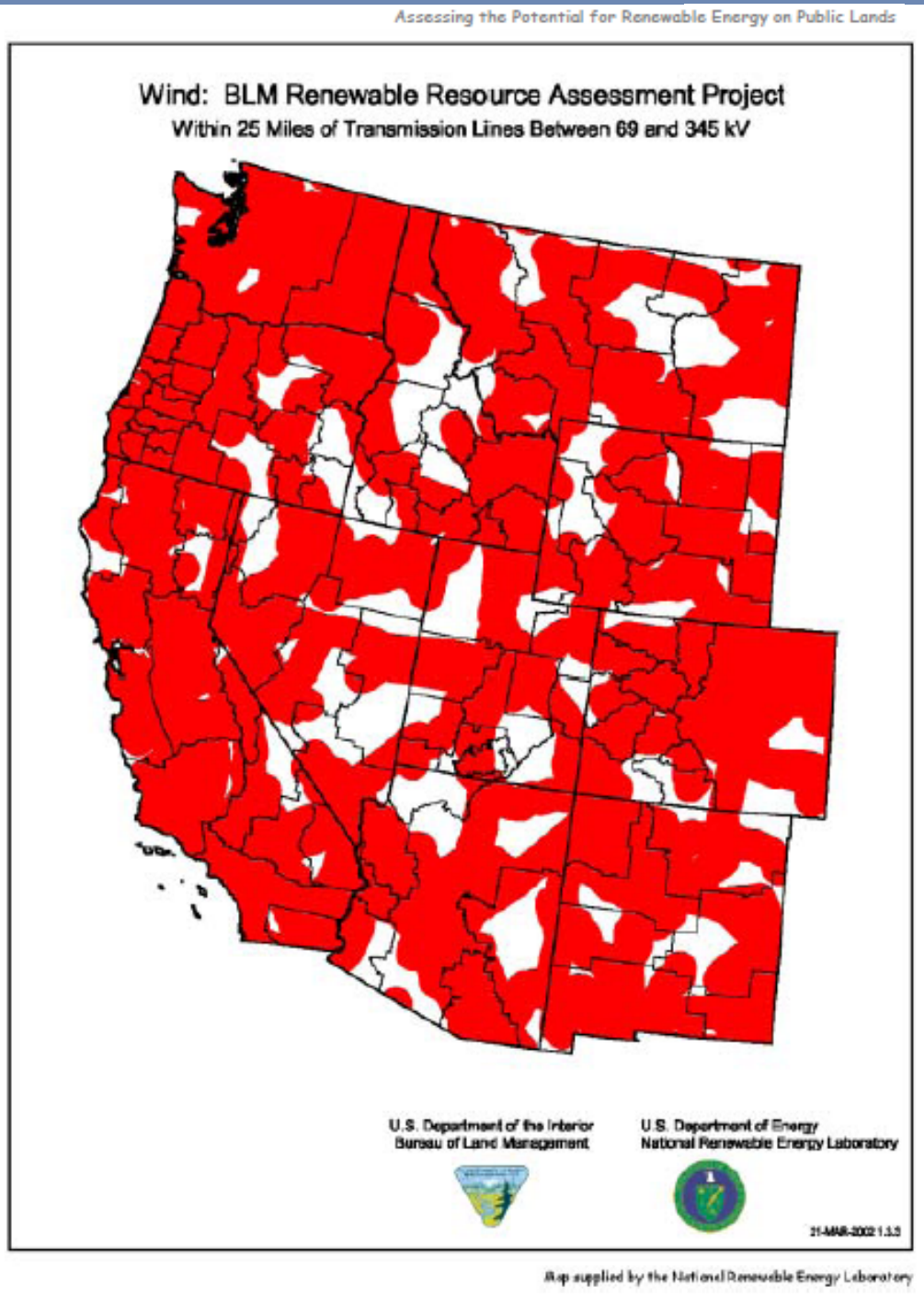
The BLM manages 20.6 million acres of public lands with wind potential in 11 western states.

NREL Screening Process

All lands within 50 miles of major roads

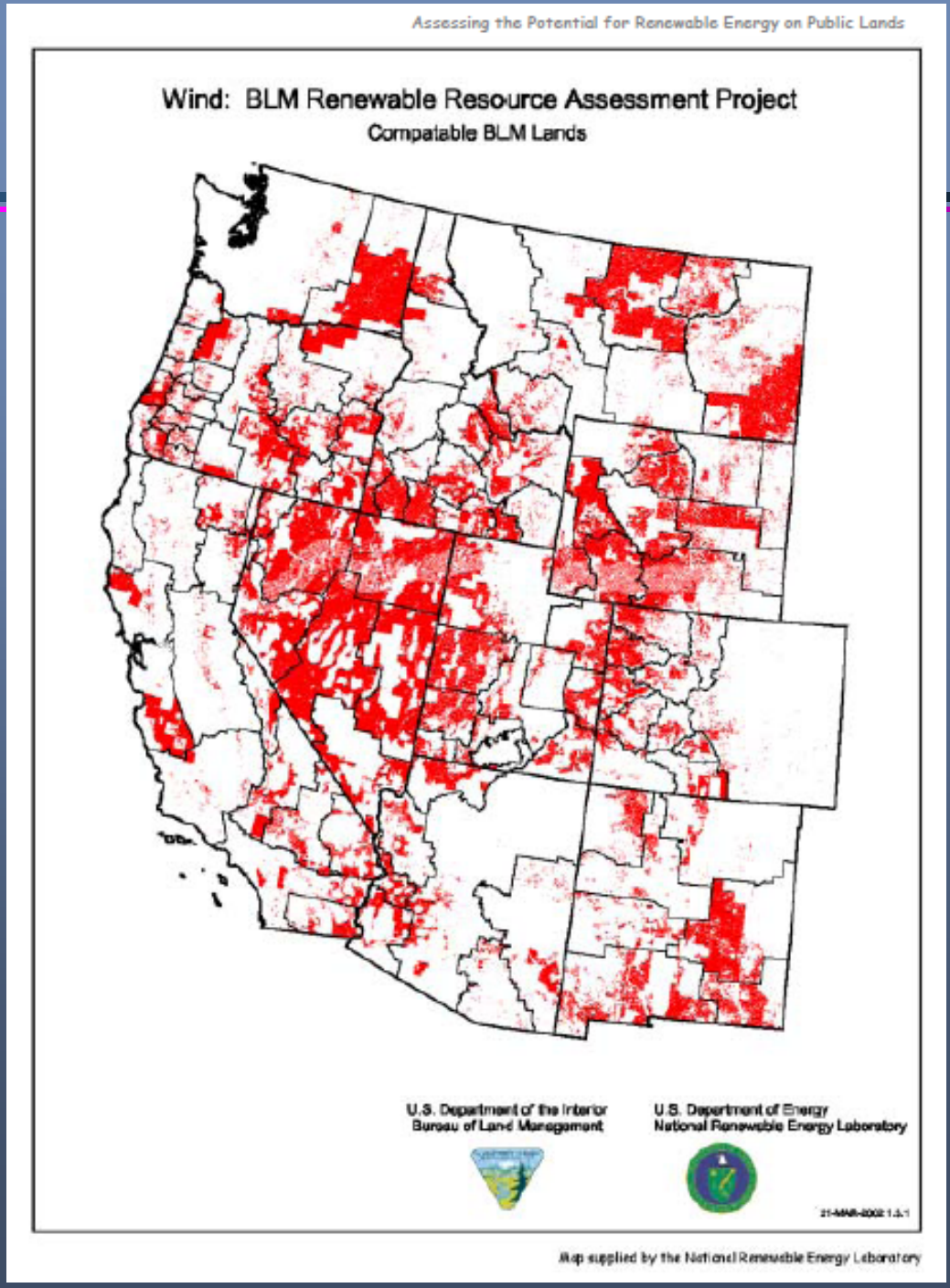
NREL Screening Process

All lands within 25 miles of 69 – 345 kV transmission lines



NREL Screening Process

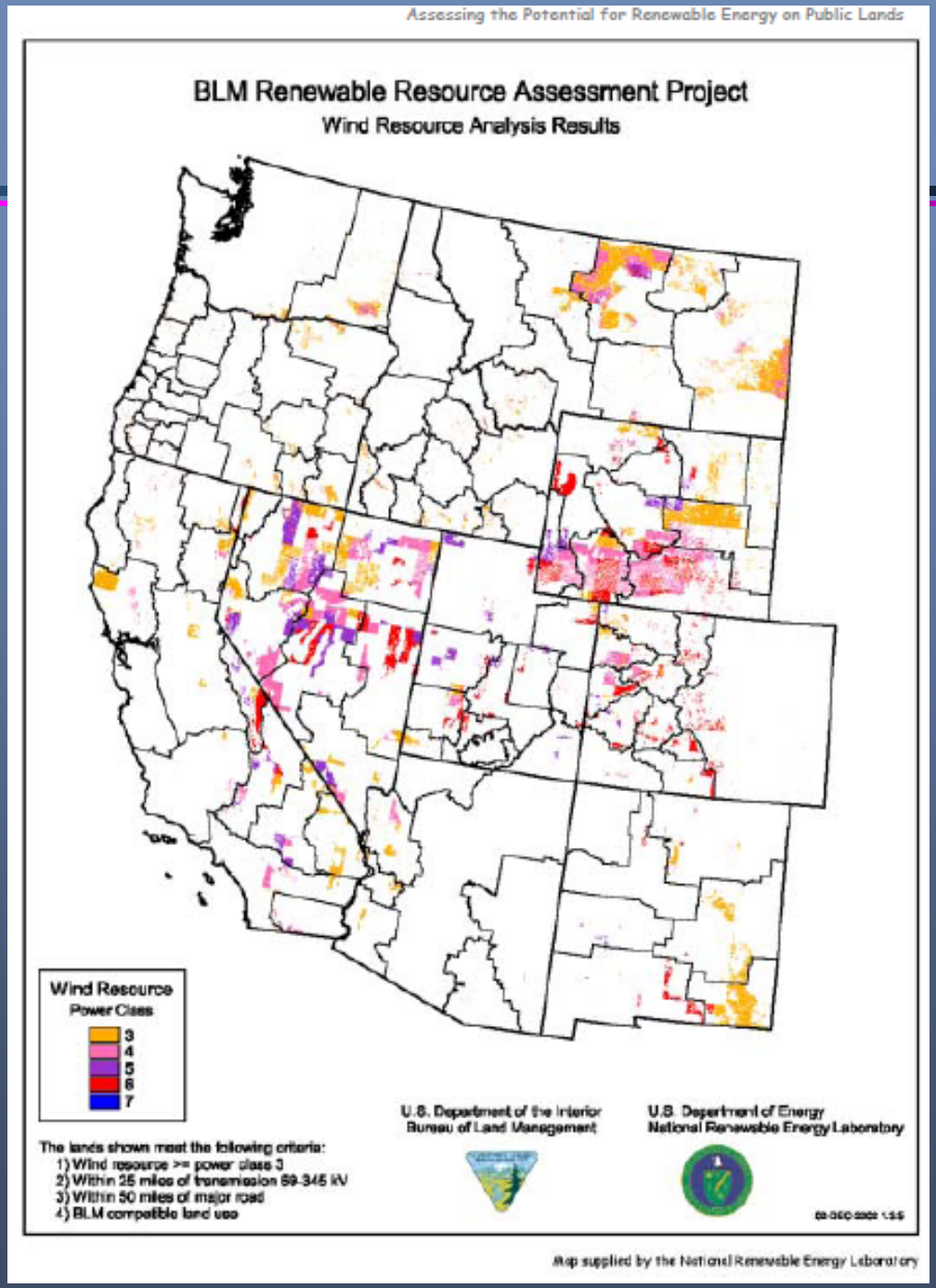
All BLM lands meeting first two screens



NREL Screening Process

All BLM lands :

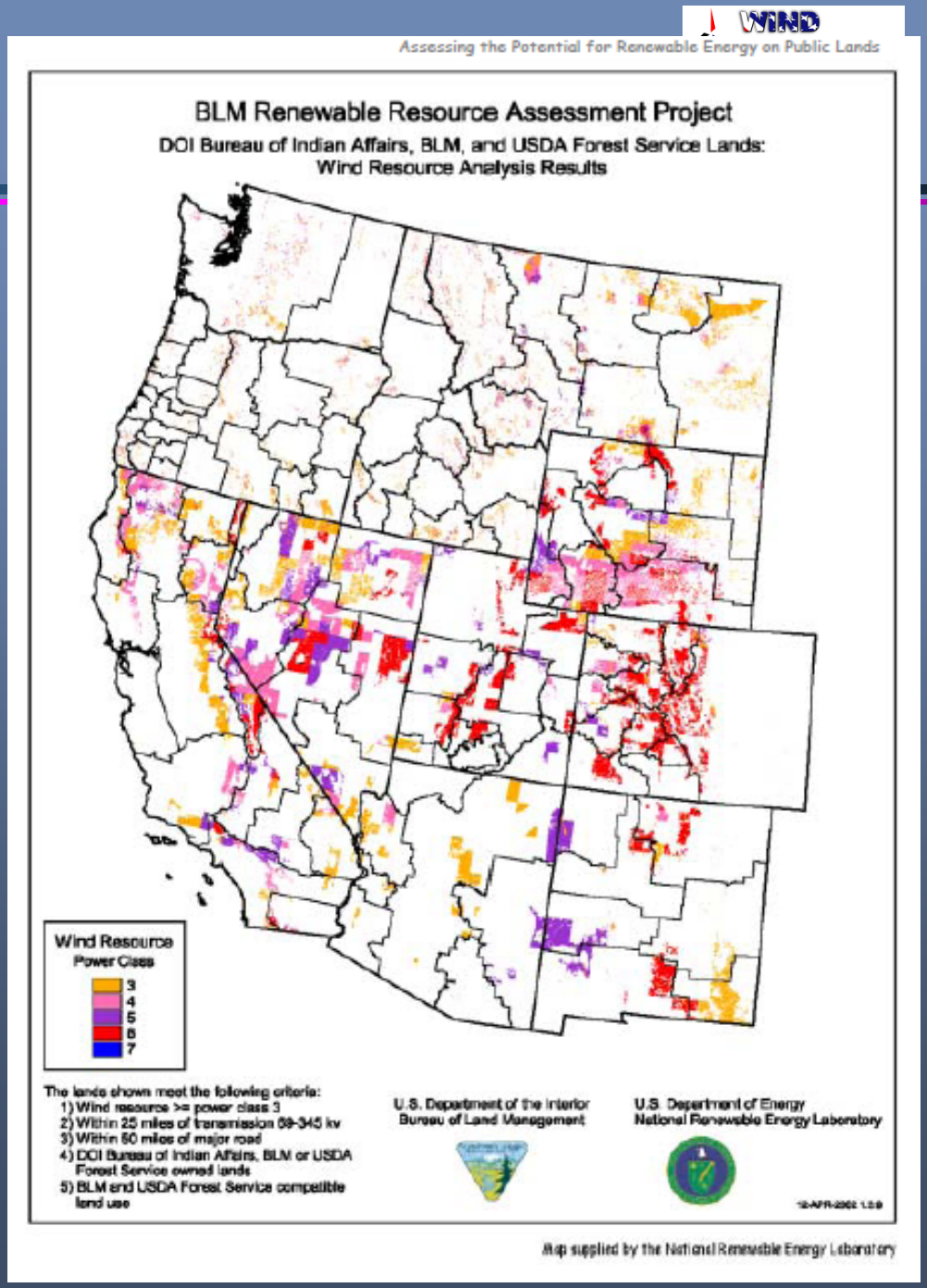
- Wind resource: >= Class 3
- Within 25 miles of 69-345kV transmission lines
- Within 50 miles of major roads
- BLM compatible land use



NREL Screening Process

All BLM, Forest Service & Native American lands :

- **Wind resource: >= Class 3**
- **Within 25 miles of 69-345kV transmission lines**
- **Within 50 miles of major roads**
- **BLM compatible land use**



BLM Planning Units of greatest interest to developers based on wind resource

Table 1c. BLM Planning Units with the Largest Total Land Area in Wind Class 5
(in descending order of total land area)

Planning Unit	Field Office	State
Rawlins	Rawlins	Wyoming
Rock Springs	Rock Springs	Wyoming
Elko	Elko	Nevada
Las Cruces	Las Cruces	New Mexico
Carson City	Carson City	Nevada
Kremmling	Kremmling	Colorado
Ridgecrest	Ridgecrest	California
Dillon	Dillon	Montana
Fillmore	Fillmore	Utah
Las Vegas	Las Vegas	Nevada
Royal Gorge	Royal Gorge	Colorado
Billings	Billings	Montana
Salt Lake	Salt Lake	Utah
Owyhee	Lower Snake River	Idaho
Barstow	Barstow	California
Grants Pass	Medford	Oregon
Palm Springs-South Coast	Palm Springs	California
Albuquerque	Albuquerque	New Mexico
Snake River	Upper Snake River	Idaho
Grand Junction	Grand Junction	Colorado
Surprise	Surprise	California
Emerald Empire	Upper Columbia-Salmon Clearwater	Idaho
Marys Peak	Salem	Oregon
Wenatchee	Wenatchee	Washington
Safford	Safford	Arizona

BLM – Progress to date

The BLM has approved 29 wind development projects with an installed capacity of 437 MW.

Wind authorizations in effect, by year:
FY 07 – 26 development, 132 site testing
FY 08 – 28 development, 164 site testing
FY 09 – 29 development, 184 site testing
FY 10 – 29 development, 167 site testing

The BLM has identified 7 wind fast-track projects that could be approved by the end of 2010 - combined potential capacity of 800 MW

EPAct Goal – 10,000 MW – unknown % of wind

Energy Choices & Tradeoffs

Question: Do you want a wind turbine on the ridge?

Better Question: Where do you want your next power plant?

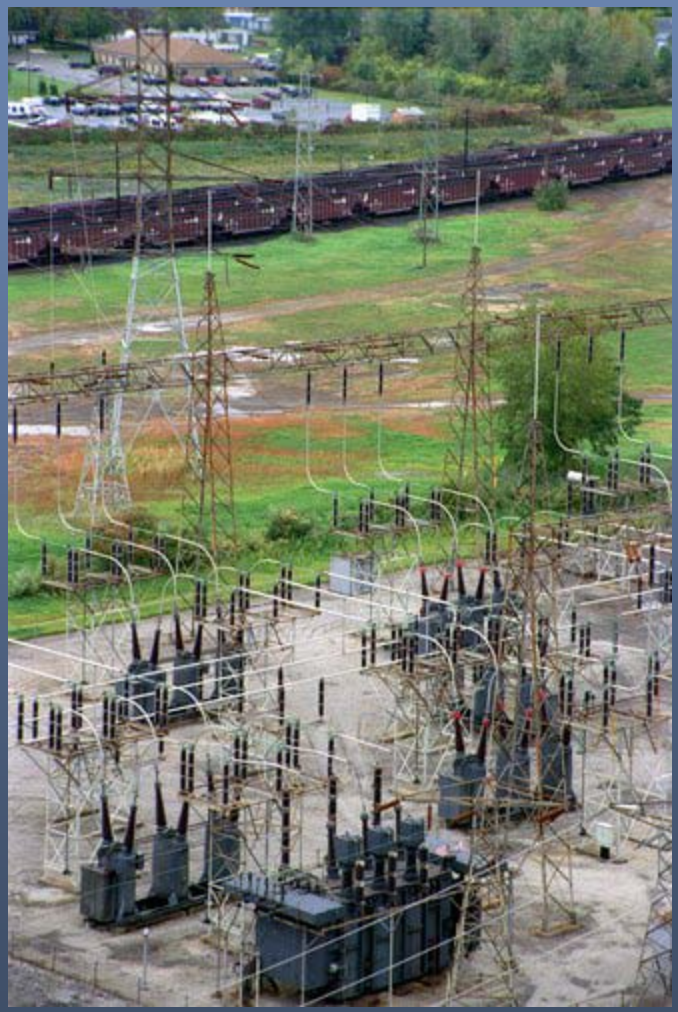
And what kind of power plant should it be?

Energy Choices & Tradeoffs

Energy Choices

Where are all the nuclear power plants??

Energy Choices



Energy Choices

Energy Choices

Energy Choices

Energy Choices

Energy Choices

Energy Choices

Energy Choices

Energy Choices

How many MW are possible?

Acres	÷	MW/Acre	=	MW
26,000,000	÷	100	=	260,000
26,000,000	÷	50	=	520,000

Carpe Ventem

www.windpoweringamerica.gov