


Montana Transmission Meeting

April 22, 2008



Energy
Infrastructure
Promotion & Development

EIPD Mission



Bio-fuels and Biomass



Geothermal Energy

The Division's mission centers around promoting and developing additional energy distribution capacity so that potential jobs become actual jobs and Montana's tax base is further enhanced for the benefit of its citizens. Increased distribution capacity also paves the way for clean, green energy creation and utilization. We will work to facilitate the promotion and development of energy infrastructure that will allow the responsible development of Montana's abundant energy resources including wind, bio-fuels, geothermal, biomass and clean coal gasification, liquefaction and power production which use carbon sequestration technologies when possible.



Wind Energy



Clean Coal Technology

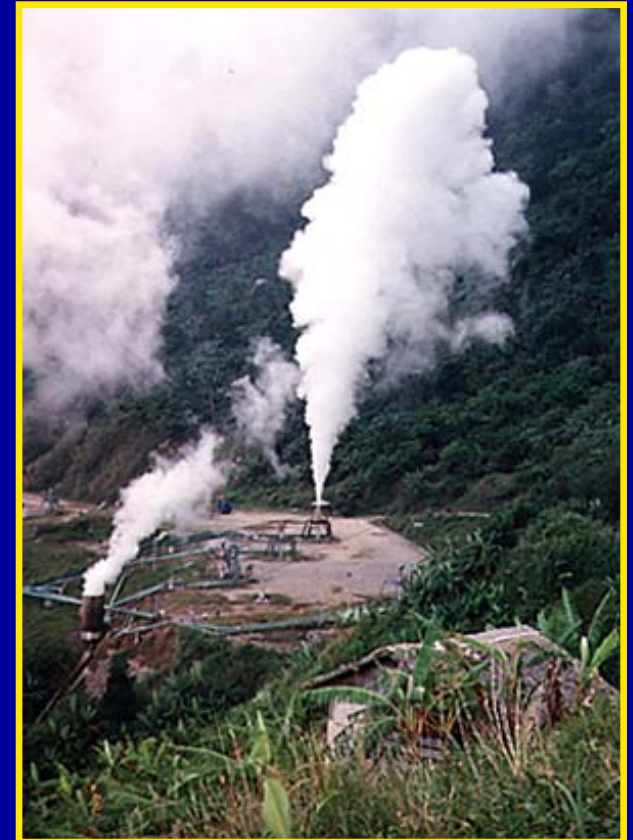
Harvesting Clean Energy 2009

- EIPD staff serve on planning committee of large, annual regional event
 - Will be held in Billings, Montana in January 25-59 2009 SAVE THE DATE!
- Conference focuses on wind and bio-fuel energy



EIPD Continues to Explore Montana's Geothermal Potential

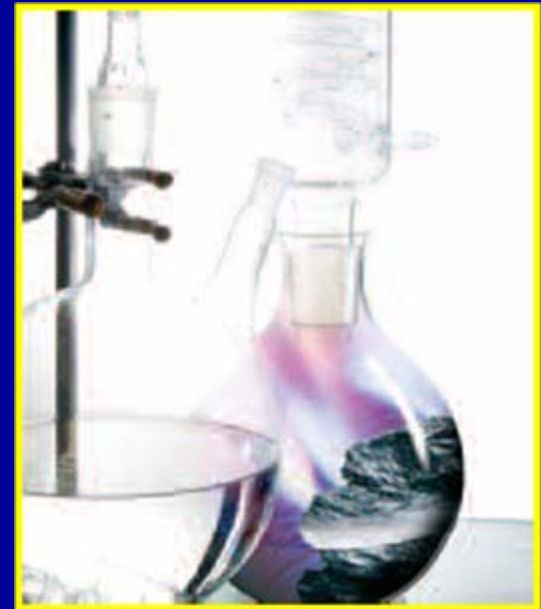
- Montana Mission to Iceland, March 2008
- Geothermal producers, legislators, governmental officials
- Projects throughout Butte, Helena, and Bozeman



Malmstrom AFB and Coal to Liquid

- Community and Industry events-
January 30-31, 2008
 - EIPD held key role
- “This plant will meet state and federal safety standards and will be designed to minimize environment impact by using state-of-the-art clean coal technology.”

William Anderson,
Assistant Secretary of the Air Force



EIPD On The Road

Idaho Falls, Idaho National Laboratory Tour with Governor Schweitzer and First Lady Nancy Schweitzer



Portland, Harvesting Clean Energy 2008

Las Vegas, Geothermal Energy Association workshop

Jackson Hole, Senior Executive Energy Summit

Portland, Northern Tier Transmission Group Meeting

Town Hall Meetings

EIPD plans to conduct a series of Town Hall Meetings aimed at educating public on wind development in Montana



Governor's Wind Coalition

- Governors Pawlenty and Richardson Announce Formation of Governors Windpower Coalition
- EIPD to serve on coalition with other state officials
- Promote the increased use of wind energy in America



Western Climate Initiative

- Montana joins Western Climate Initiative to develop regional strategies to address climate change
- EIPD to serve on committee with other state officials



Energy Development and Promotion

- Work with developers to:
 - Identify land opportunities
 - Work through regulatory process
 - Identify funding sources, either through Government loans/grants or private funds
 - Promote project when appropriate with official announcements and ceremonies



EIPD Hosts Transmission Meeting

The purpose of this meeting is to discuss, in general terms, transmission issues within Montana for the benefit of those who are interested in or are actively developing energy in Montana. Topics for discussion include transmission constraints, generation interconnection, and transmission users' needs ...



Potential New Power Projects

- Over 50 different wind projects in various levels of discussion and development totaling over 4,000 MW
- Potential clean coal projects around state including Malmstrom AFB



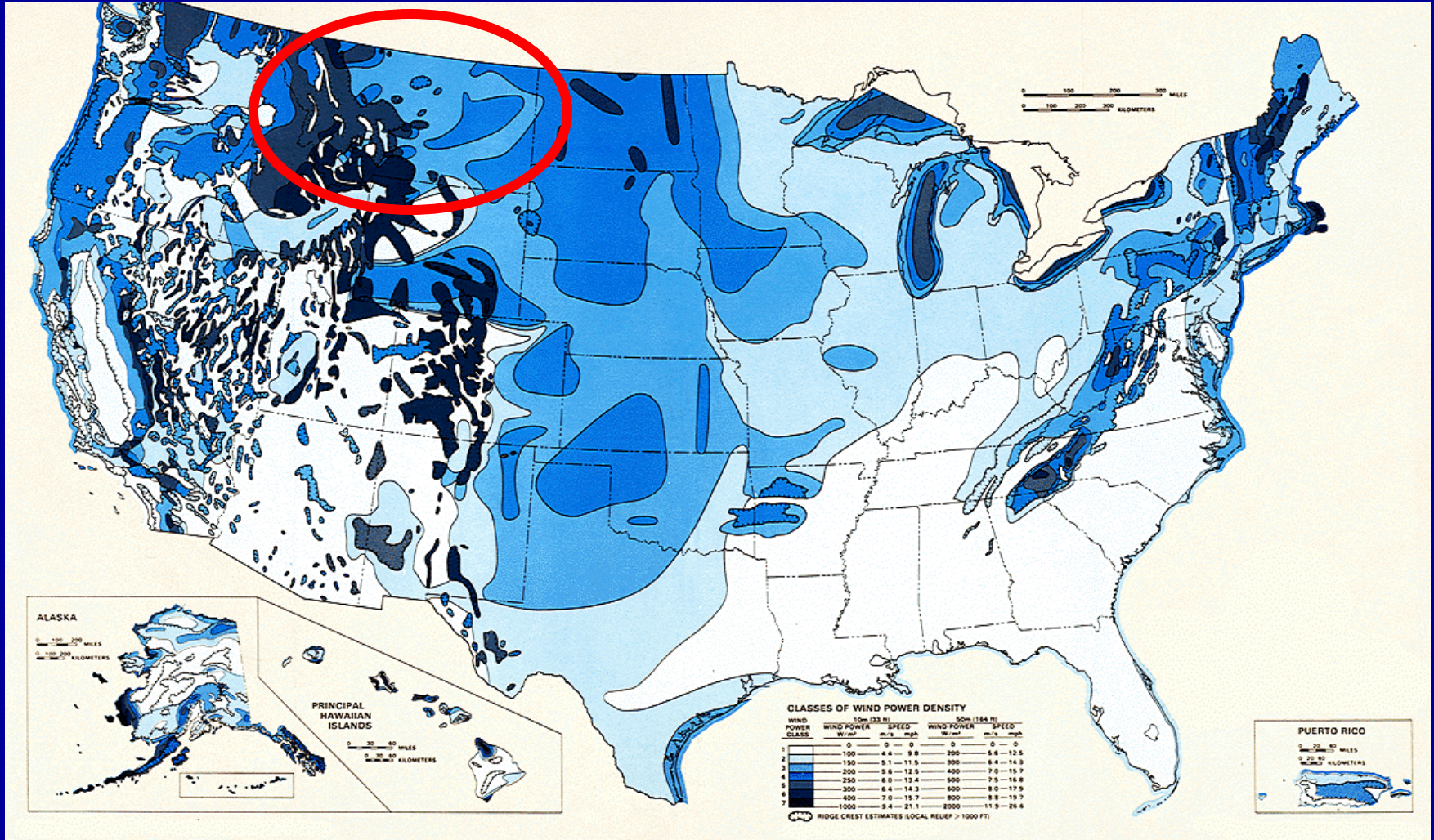


MONTANA IS
WIND
COUNTRY

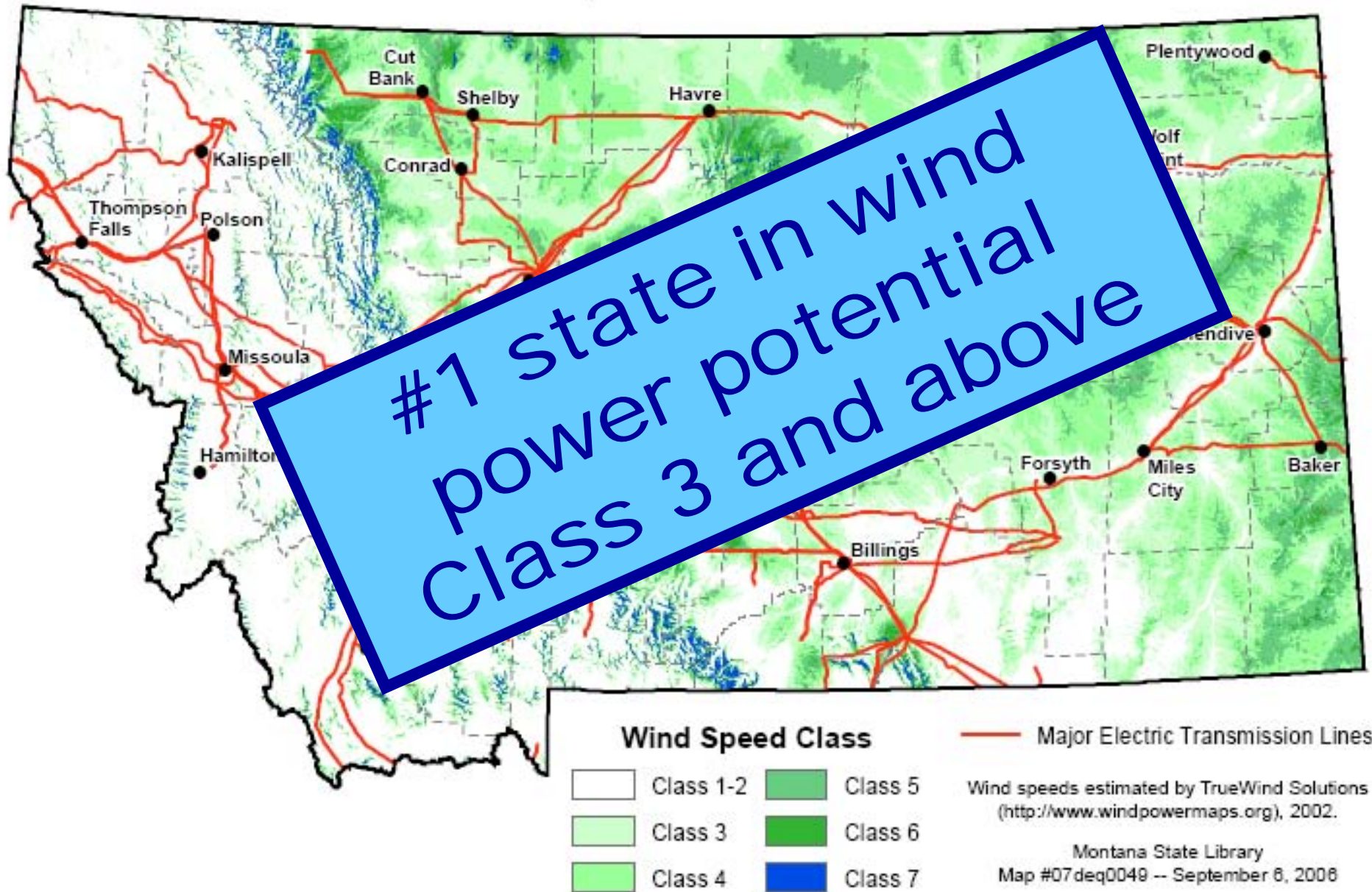


ROPING THE WIND FOR TODAY'S POWER AND TOMORROW'S ENERGY SOLUTION

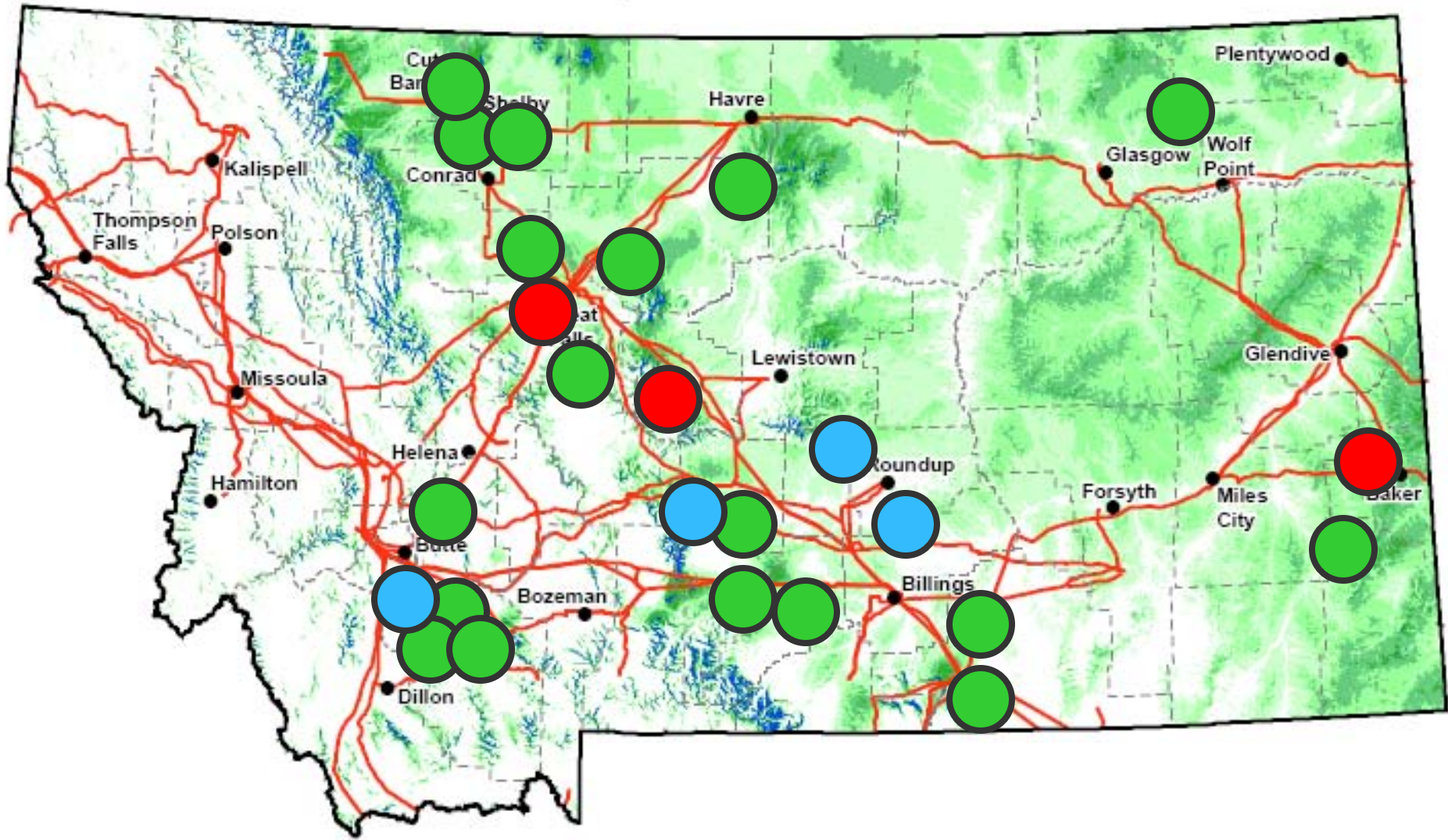
US Annual Average Wind Power



Wind Power Speed at 50 Meters



WIND FARM ACTIVITY



 EXISTING

 PROPOSED

 PLANNED

Montana's Commitment to Wind Power Development



- Montana adopted a state renewable energy portfolio standard in 2005 requiring 15% renewable power by 2015
- Montana has seven (7) tax incentives for the development of wind power
- Sen. Baucus passes Clean & Renewable Energy Bonds (CREBs) incentive for local & tribal government wind power



MONTANA IS

COAL COUNTRY



Turning our coal advantage into jobs & growth

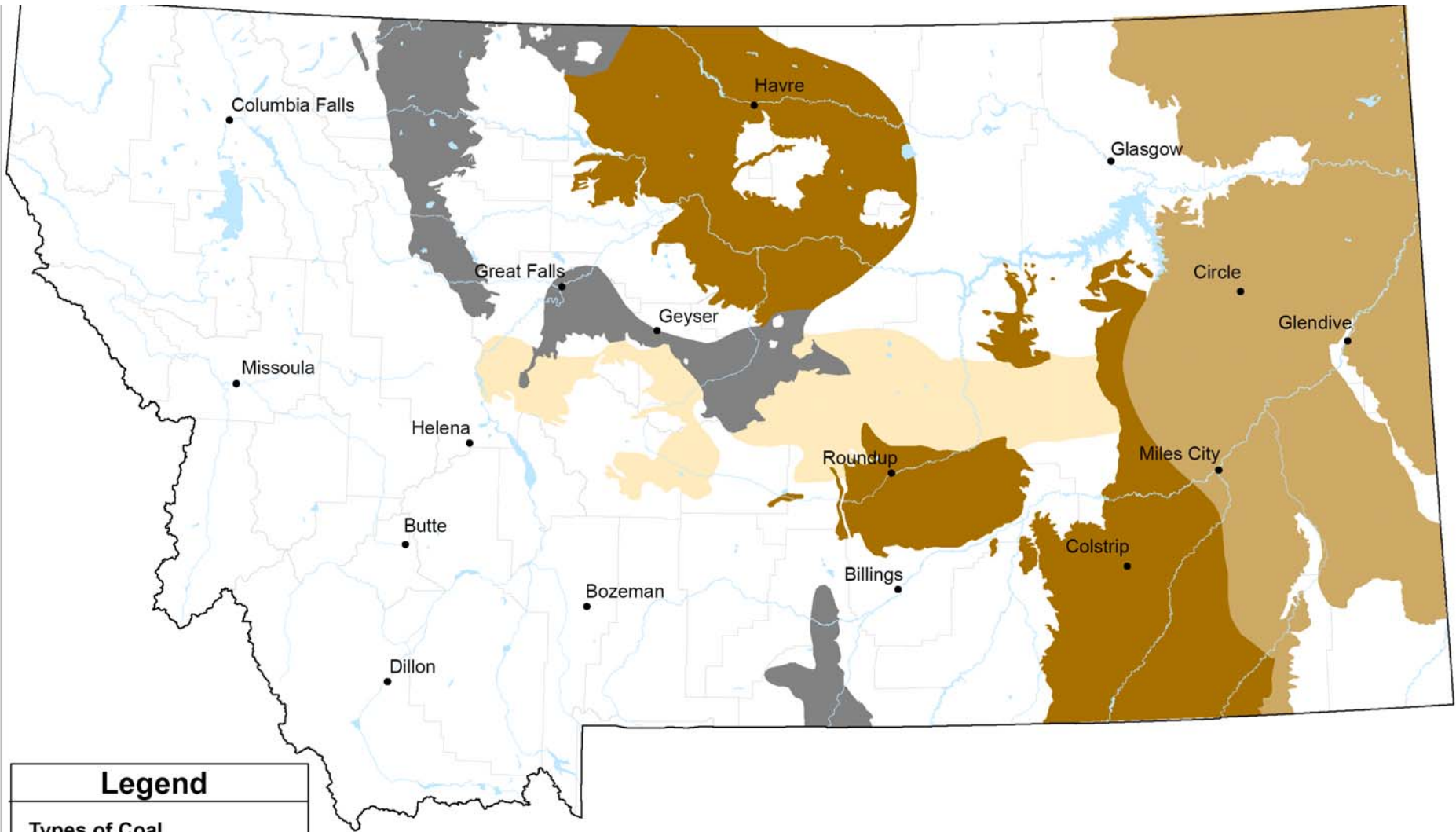
Montana Coal Reserves

120 Billion Tons

28% Nation's Coal

8% World's Coal

Montana Coal Deposits



Legend

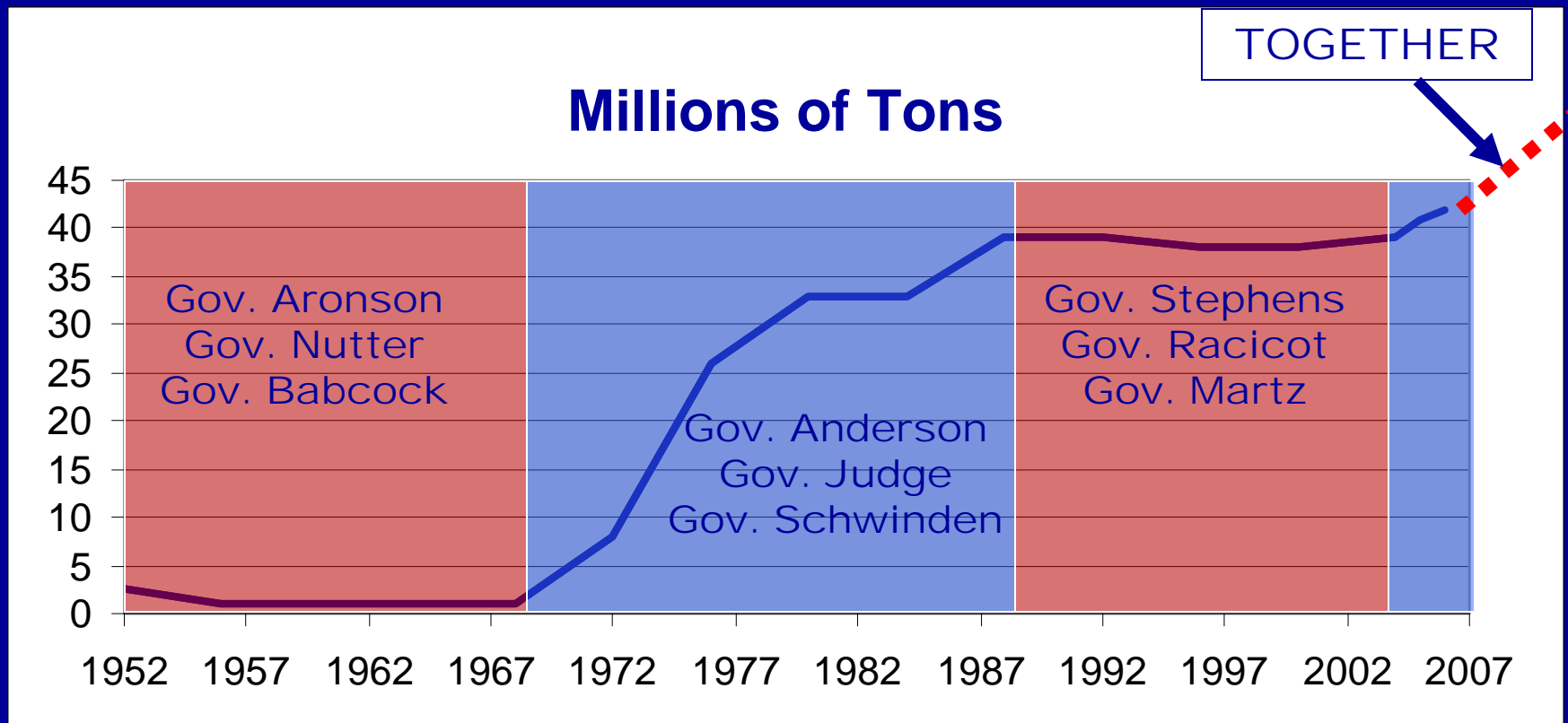
Types of Coal

- Bituminous
- Sub-bituminous
- Lignite
- Oil-shale
- Major Rivers and Lakes

0 25 50 100 150 200 Miles



Montana Historic Coal Production 1952-2006



CLEAN COAL

Bridge to the

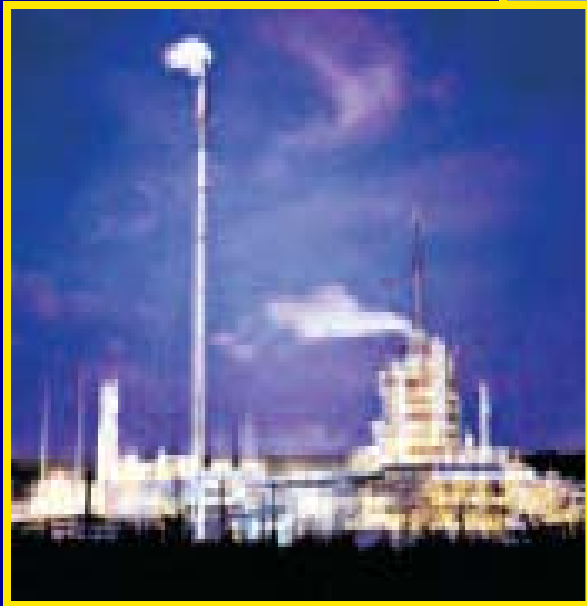
new energy future



The bridge is ...



Coal to Syn-Gas
IGCC
Coal to Liquid





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