

Wind vs. Nuclear

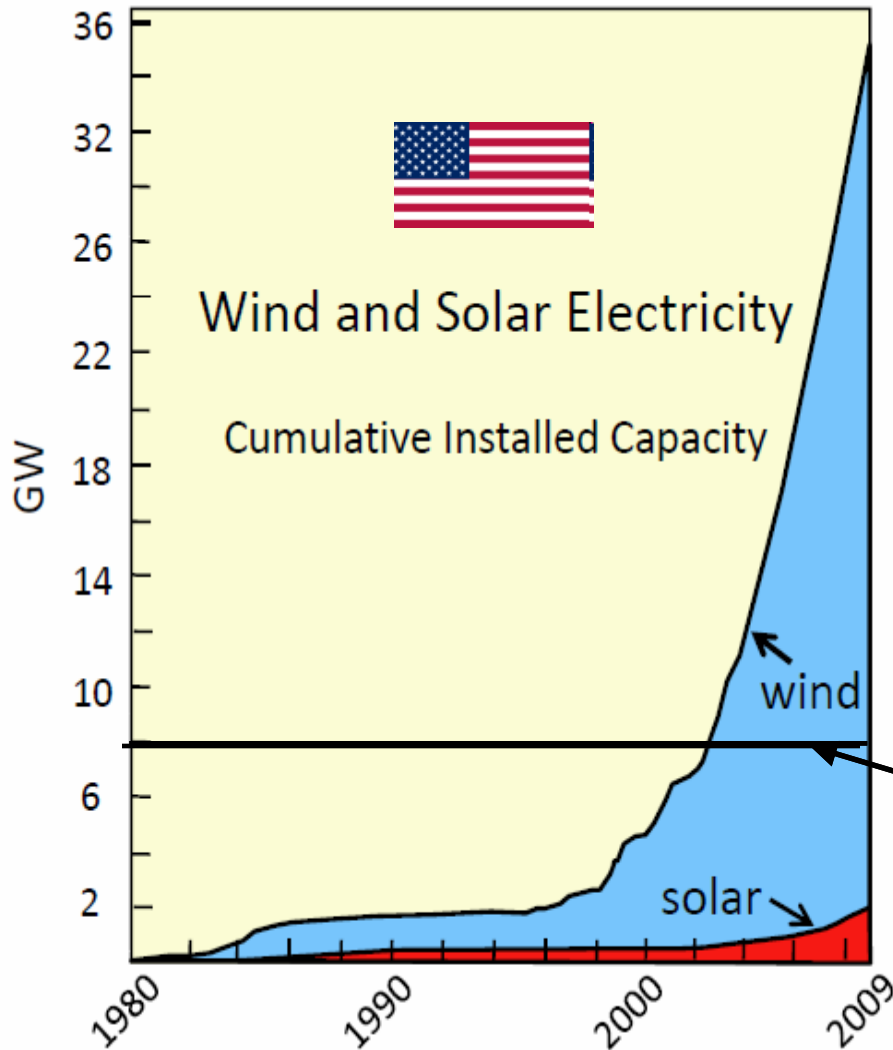
Selected Graphics (2000 – 2012)

Paul M. Grant

www.w2agz.com

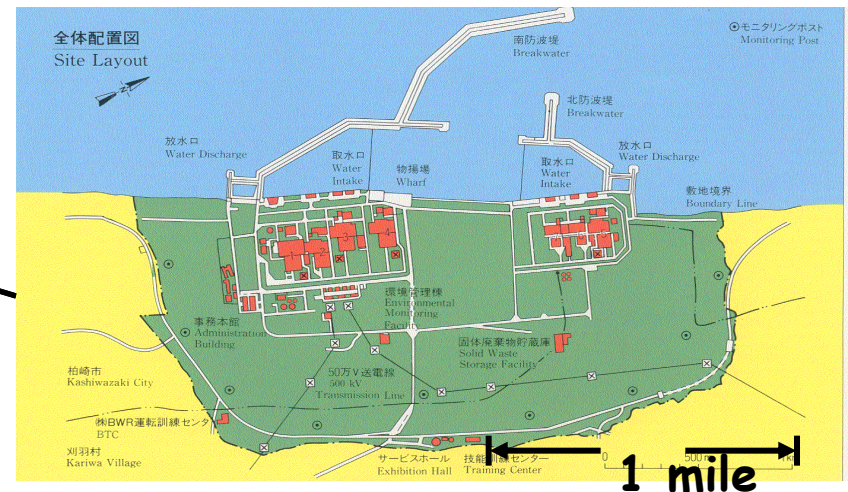
Comment: This graphic compares the land/sea area required by a wind farm to replace that of Japan's west coast Kashiwazaki-Kariwa nuclear power facility.

Wind Power Factoids



KK Wind Equivalent (8 GW)

- Power per Tower 8 MW
- Number of Towers 1000
- Inter-tower Distance 1000 ft
- Total Area (miles x miles) 43.5 x 43.5



Kashiwazaki Kariwa: 8 GW !

Comment: The Diablo Canyon nuclear power facility in the Los Padres national forest on the mid-California coast. The two reactors comprise a total of approximately 2.2 GW continuously dispatchable power.

Diablo Canyon



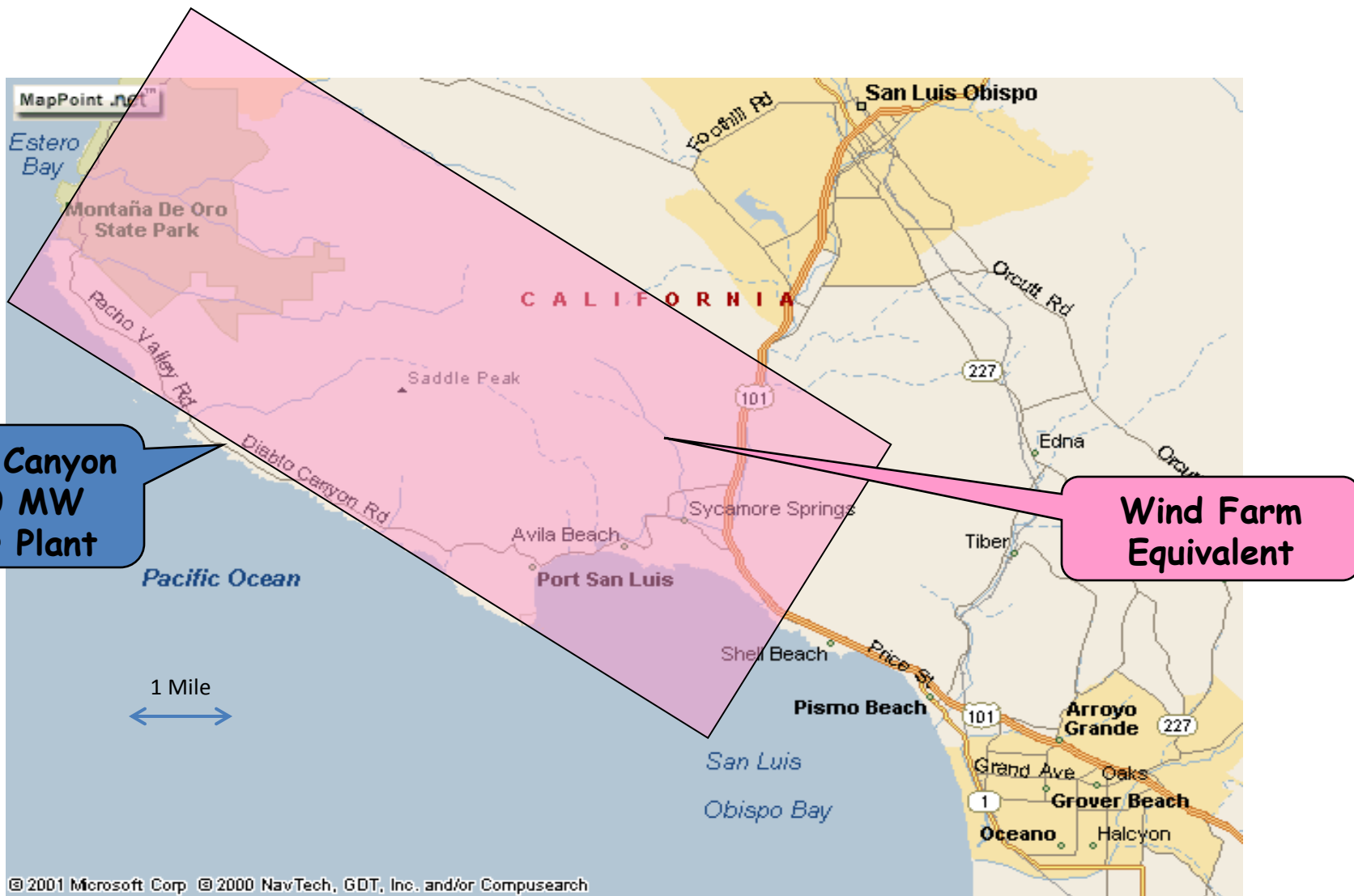
Comment: Approximately 25% of the land area required to “replace” Diablo Canyon with 1 MW wind towers spaced 1000 feet apart.

Diablo Canyon



Comment: Total land area required to “replace” Diablo Canyon with 1 MW wind towers spaced 1000 feet apart. Given a 30% overall “availability” of current wind farm output, more that 3x the depicted land area would be needed.

California Coast Power



Visit www.wind-watch.org