

Summary of tribal renewable energy installed capacity and generation potential by technology.

Technology	Tribal Capacity Potential ¹ (MW)	Tribal Generation Potential ¹ (MWh)	% of National Capacity	% of National Generation
Wind (100m ht, >30% GCF)	408,690	1,544,174,253	3.2%	3.3%
Solar PV (Utility-scale, Rural)	4,445,369	9,259,278,339	3.1%	3.4%
Solar PV (Utility-scale, Urban)	7,224	15,372,684	0.6%	0.7%
Solar CSP	1,930,248	6,500,916,429	5.1%	5.4%
Geothermal (EGS)	763,252	6,017,487,000	19.2%	19.2%
Geothermal (Hydrothermal)	32	252,000	0.4%	0.4%
Biomass (Solid)	551	4,340,642	1.1%	1.1%
Biomass (Gaseous)	85	673,465	0.8%	0.8%
Hydropower ²	844	7,390,196	3.2%	3.2%
Total ³	7,556,294	23,349,885,006	3.8%	4.9%

¹ Technical potential generated using assumptions and exclusions outlined in NREL's draft technical report, "U.S. Renewable Energy Technical Potentials: A GIS-based Analysis" (Lopez et. al., draft version April, 2011)

² Information was not available to calculate installed nameplate capacity for hydropower, so capacity shown is average capacity (Mwa)

³ Technical potential calculated for each technology individually, and does not account for overlap (i.e. the same land area may be identified with potential for wind and solar, and would be counted twice in the total). Some technologies may be compatible with mutual development.

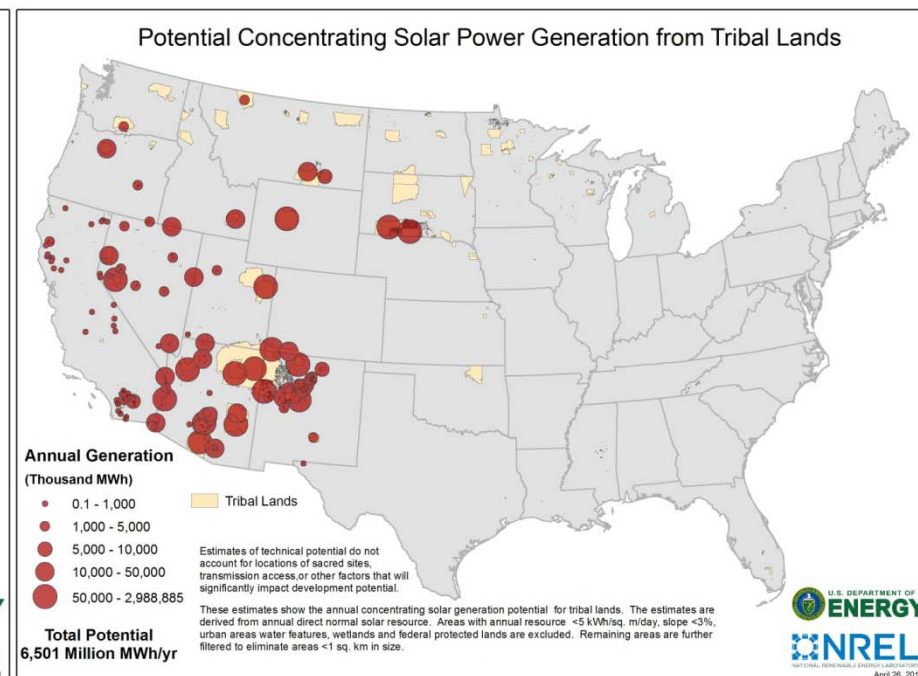
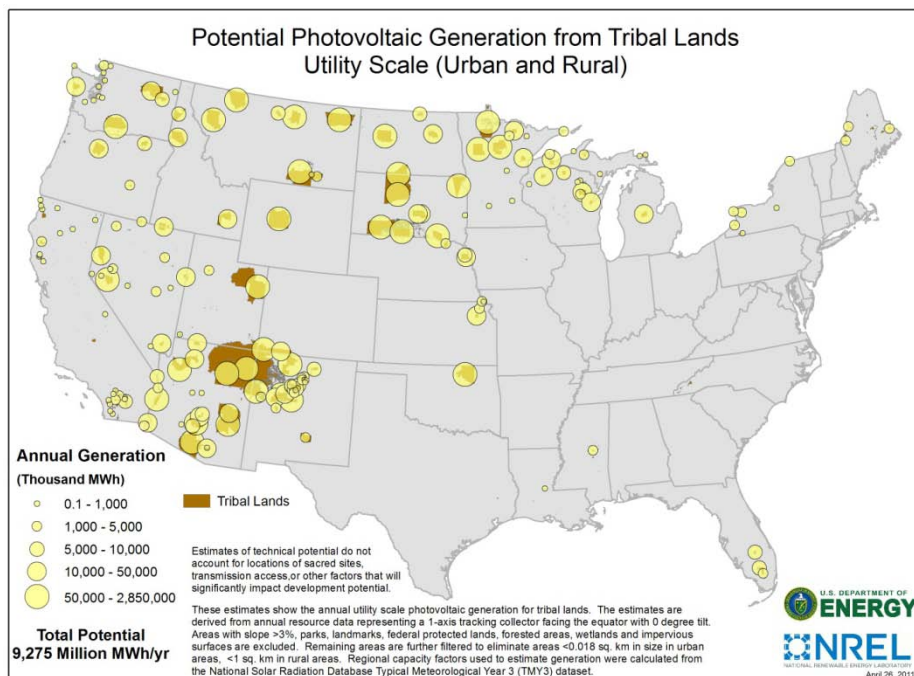
**Tribal Lands contain
~4% of the U.S.
renewable energy
potential**

- **Varies significantly by technology**
- **Generation values reflect capacity factor of intermittent resources**

Solar Electric Potential on Tribal Lands

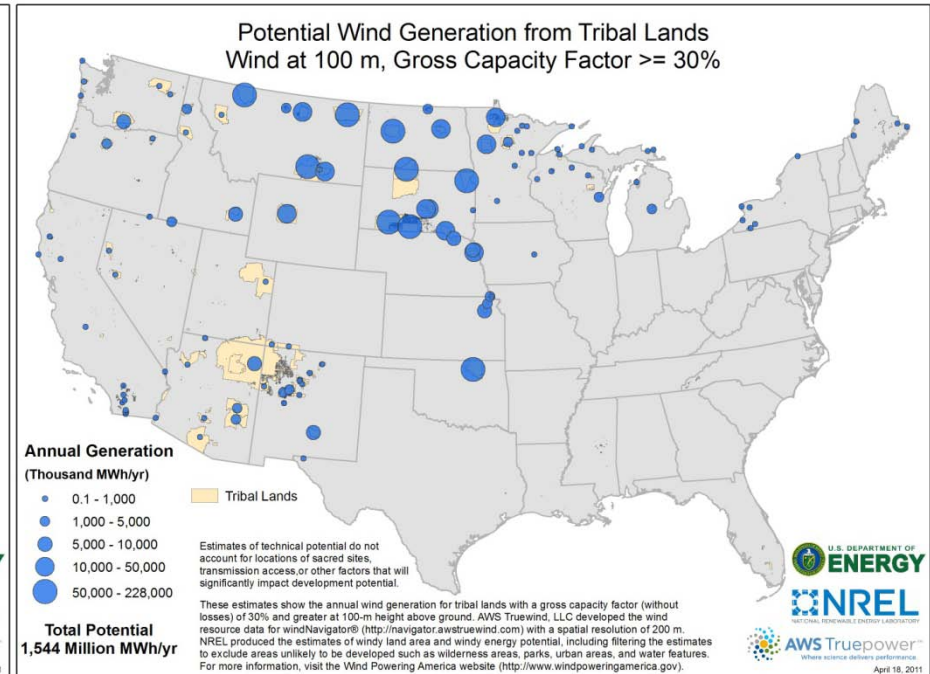
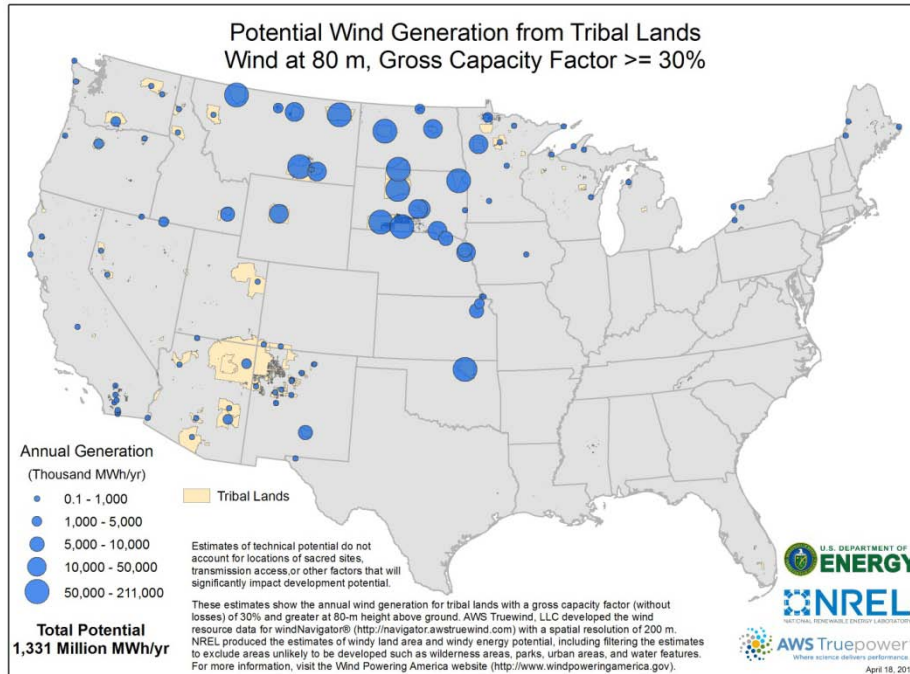
Could Provide ~2 times the Total U.S. Electric Generation

(4,120 Million MWh/yr in 2008)



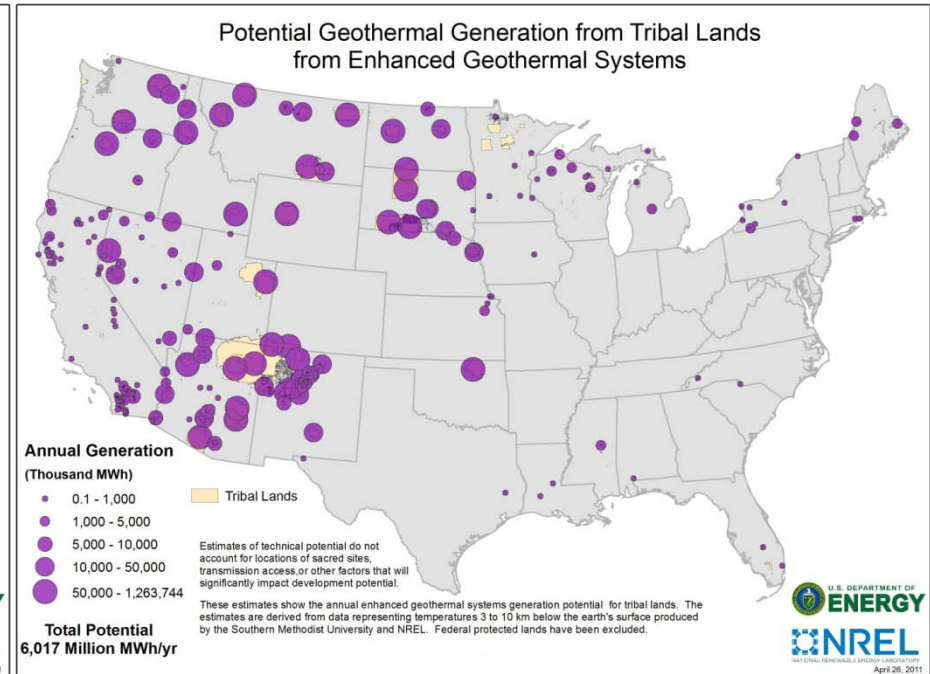
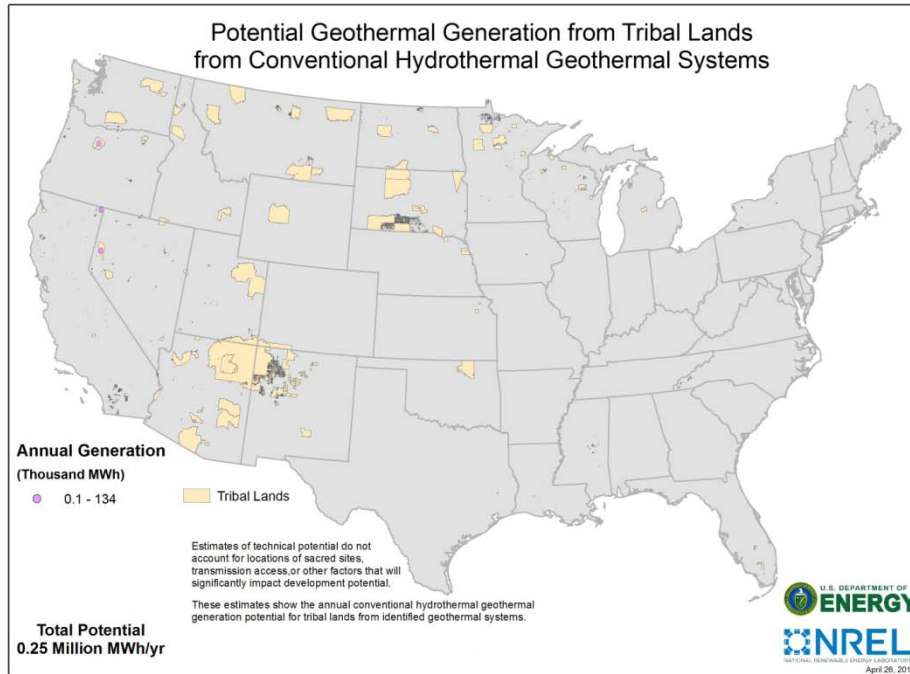
Solar Electric Potential of 9,275 Million MWh/yr on Indian Lands (PV) or 6,501 Million MWh/yr (CSP)

Wind Potential on Tribal Lands could provide about 32% of U.S. Annual Electric Generation (~ 4,120 Million MWh/year in 2008)



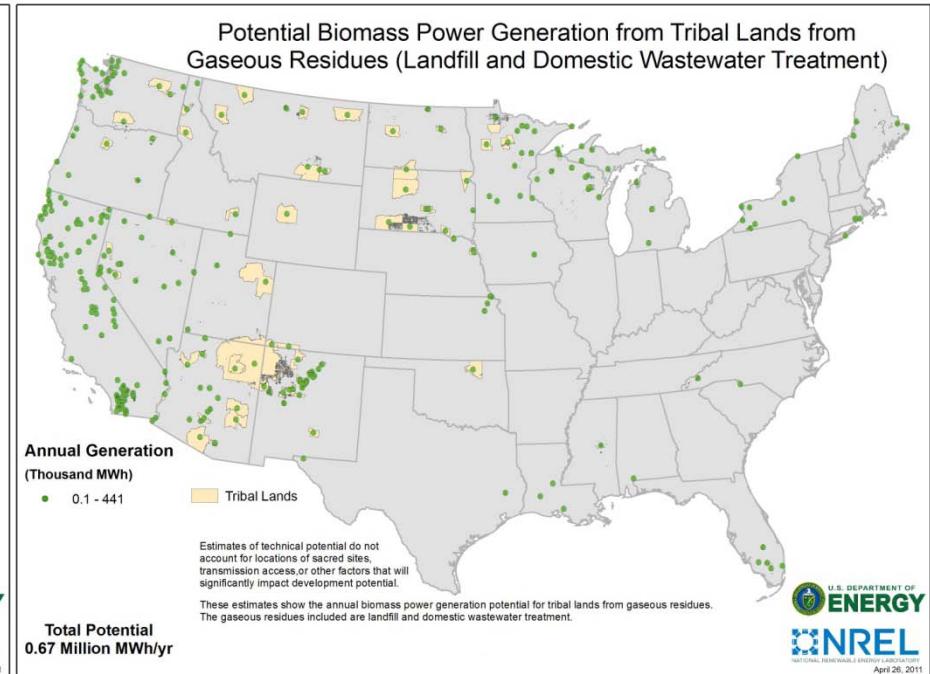
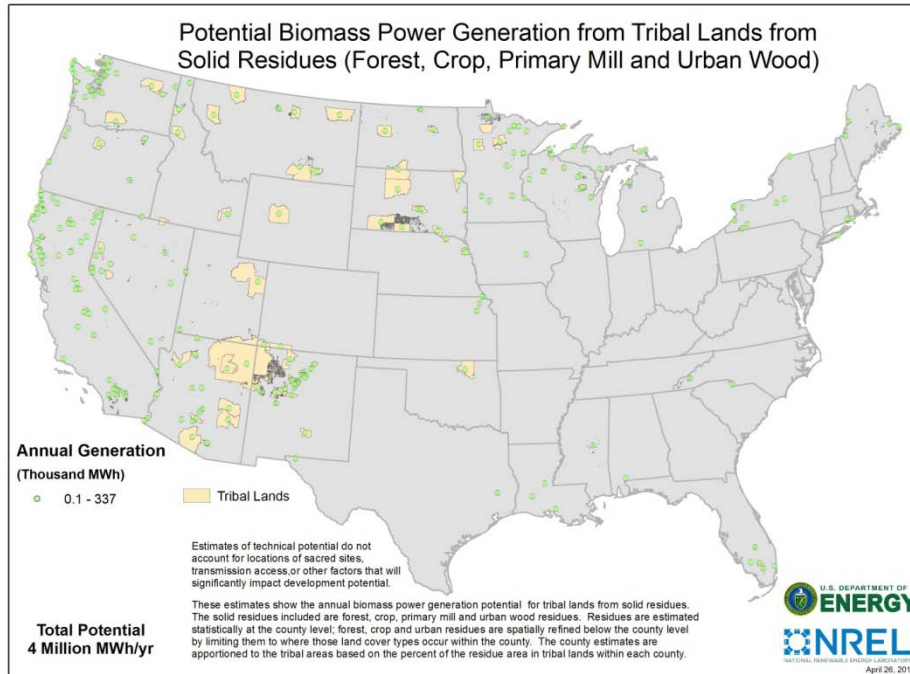
Wind potential of 1,331 Million MWh/yr on Indian Lands (80m ht) or 1,544 Million MWh/yr (100m ht)

Geothermal Potential on Tribal Lands could provide ~1.5 times the total U.S. Annual Electric Generation (~ 4,120 Million MWh/year in 2008)



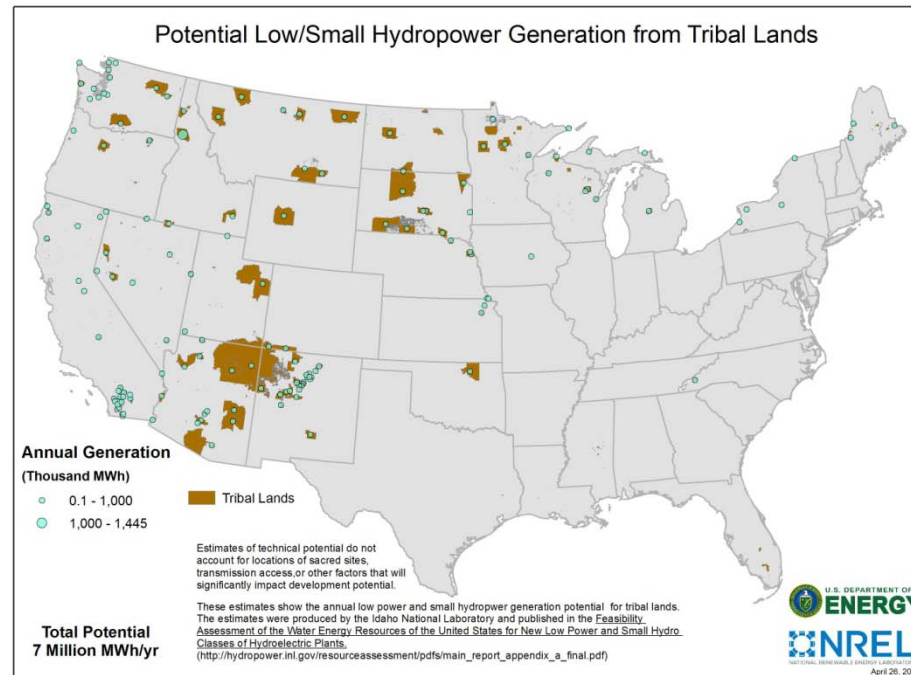
**Geothermal potential of 0.25 Million MWh/yr
(conventional) and 6,017 Million MWh/yr (EGS) on
Indian Lands**

Biomass Potential on Tribal Lands could provide <1% of U.S. Annual Electric Generation (~ 4,120 Million MWh/year in 2008)



Biomass potential of 4 Million MWh/yr from solid residues and ~1 Million MWh/yr from gaseous residues on Indian Lands

Hydropower Potential on Tribal Lands could provide <1% of U.S. Annual Electric Generation (~ 4,120 Million MWh/year in 2008)



Hydropower potential of 7 Million MWh/yr from low/small hydropower sources on Indian Lands