

Table 73. Capacity Factors¹ for Renewable Energy Generating Technologies in Four Cases

Technology	Year	Reference	Low Renewables	High Renewables	DOE Goals
Geothermal ²	2005	0.86	0.86	0.86	0.86
	2010	0.87	0.87	0.87	0.87
	2025	0.87	0.87	0.87	0.85
Landfill Gas	2005	0.90	0.90	0.90	0.90
	2010	0.90	0.90	0.90	0.90
	2025	0.90	0.90	0.90	0.90
Photovoltaic	2005	0.24	0.24	0.24	0.24
	2010	0.24	0.24	0.24	0.24
	2025	0.24	0.24	0.24	0.24
Solar Thermal	2005	0.15	0.15	0.15	0.19
	2010	0.15	0.15	0.15	0.23
	2025	0.15	0.15	0.15	0.28
Biomass	2005	0.83	0.83	0.83	0.80
	2010	0.83	0.83	0.83	0.80
	2025	0.83	0.83	0.83	0.80
Wind	2005	0.39	0.37	0.41	0.41
	2010	0.39	0.38	0.41	0.46
	2005	0.41	0.38	0.43	0.48

¹ Capacity factor for units available to be built in specified year.

² Geothermal costs are specific for each site. The table entries represent the least cost unit available in the specified year in the Northwest Power Pool region, where most of the proposed sites are located.

Source: AEO2004 National Energy Modeling System runs: aeo2004.d1021703e (Reference Case), eere04.d103103a (DOE Goals case), hiren100.d103103a (High Renewable case), lorennew0.d102703b (Low Reference case)