

TAM INC.

**RENEWABLE ENERGY CAPACITY AND
GENERATION REPORT**

PROJECTIONS UP UNTIL 2012

All Sectors / Units are in Gigawatts unless otherwise noted

DISCUSSION

WIND POWER VS. CONVENTIONAL HYDROPOWER

Category	2006	2007	2008	2009	2010	2011	2012
Electric Power Sector 1/ Net Summer Capacity							
Conventional Hydropower	76.72	76.72	76.73	76.73	76.73	76.73	76.89
Geothermal 2/	2.29	2.36	2.37	2.40	2.53	2.60	2.60
Municipal Waste 3/	3.39	3.43	3.44	3.44	4.04	4.04	4.04
Wood and Other Biomass 4/, 5/	2.01	2.18	2.20	2.20	2.20	2.20	2.20
Solar Thermal	0.40	0.53	0.53	0.54	0.54	0.54	0.62
Solar Photovoltaic 6/	0.03	0.04	0.04	0.05	0.06	0.07	0.08
Wind	11.29	16.19	24.89	29.18	29.46	29.46	30.59
Offshore Wind	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	96.13	101.46	110.20	114.53	115.57	115.66	117.04

ELECTRIC POWER SECTOR 1

DISCUSSION

BIOMASS VS. SOLAR PHOTOVOLTAIC 6

Category	2006	2007	2008	2009	2010	2011	2012
End-Use Generators 8/ Net Summer Capacity							
Conventional Hydropower 9/	0.70	0.70	0.70	0.70	0.70	0.70	0.70
Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Municipal Solid Waste 10/	0.33	0.34	0.34	0.34	0.34	0.34	0.34
Biomass	4.64	4.64	4.64	4.64	4.65	4.74	4.98
Solar Photovoltaic 6/	0.28	0.43	0.61	1.06	1.73	2.29	2.87
Wind	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Total	5.99	6.15	6.33	6.77	7.45	8.11	8.92

END-USE GENERATORS 8

DISCUSSION

INCREASE BETWEEN 2011 AND 2012

Category	2006	2007	2008	2009	2010	2011	2012
Total, All Sectors							
Net Summer Capacity							
Conventional Hydropower	77.42	77.42	77.43	77.43	77.43	77.43	77.59
Geothermal	2.29	2.36	2.37	2.40	2.53	2.60	2.60
Municipal Solid Waste	3.72	3.77	3.77	3.77	4.38	4.38	4.38
Wood and Other Biomass 4/,5/	6.65	6.82	6.84	6.84	6.85	6.94	7.18
Solar 6/	0.71	1.00	1.19	1.64	2.33	2.91	3.57
Wind	11.33	16.23	24.93	29.22	29.50	29.50	30.63
Total	102.12	107.60	116.53	121.31	123.02	123.76	125.96

ALL SECTORS

DISCUSSION

WHAT CAUSED THE INCREASE IN 2010

Category	2006	2007	2008	2009	2010	2011	2012
Generation (billion kilowatthours)							
Conventional Hydropower	289.11	248.31	262.20	260.10	270.50	279.56	284.89
Geothermal	14.57	14.84	16.70	16.84	17.78	18.41	18.62
Municipal Solid Waste	15.69	16.43	17.26	17.26	22.05	22.05	22.05
Wood and Other Biomass 5/	38.65	38.51	43.06	42.66	56.26	59.96	63.87
Solar 6/	0.95	1.29	2.04	2.78	3.91	4.86	6.09
Wind	26.64	32.20	53.10	78.61	80.55	81.09	84.24
Total	385.61	351.58	394.36	418.25	451.06	465.94	479.75

GENERATION

CONCLUSION

- ✘ Questions or any last thoughts

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