NORTH AMERICAN SIDE A P SCORE CARD

United States

U.S. Grid-connected PV Generating Capacity: 2,153 MW Top Five States—Grid-connected PV



Top Five Operating U.S. PV Installations

- 1. Copper Mountain, Sempra Generation, Boulder City, Nevada: 58 MW
- 2. Tri-State Generation, Cimmaron, New Mexico: 35 MW
- 3. FPL Energy, Arcadia, Florida: 27.6 MW
- 4. NRG-First Solar-SCE, Blythe, California: 24.4 MW
- 5. Xcel Energy, Alamosa, Colorado: 22 MW

MW figures are MW-DC. Figures as of 12/31/10. Source: Interstate Renewable Energy Council

Canada

Canada's total PV powered installed capacity: 291.13 MW PV installed in Canada in 2010: 144 MW

PV sales in Canada (domestic and export) in 2010: Total module sales: 191.55 MW (vs. total module sales in 2009 of 41.82 MW) Export PV module sales: 48 MW (vs. 27.02 MW in 2009)

The PV market in Canada has experienced tremendous growth in recent years, especially in 2010. Growth over the last five years: 2006 = 1.98% over previous year 2007 = 166.81% 2008 = 124.02 % 2009 = 47.97%2010 = 358.06%Mean growth over the last five year period: 139.77%

Of the total PV power installed in 2010, 87% was for the grid (distributed and centralized) and 12.7% was for off-grid (domestic and non-domestic).

According to a report commissioned by the Canadian Solar Industries Association (CanSIA), solar PV is having a significant impact in the province of Ontario, Canada's second largest province. Ontario passed the Green Energy Act in 2009, adopting an aggressive green energy policy that includes a powerful Feed-In Tariff program.

According to the CanSIA report:

- Ontario's plans to build solar PV infrastructure through 2018 will create a total of more than 74,000 person years of employment in the province.
- \$1.8 billion of private money has been invested in Ontario solar projects to date, and total investment will reach \$11.4 billion by 2018.

Source: Prepared by Josef Ayoub, CanmetENERGY. Innovation and Energy Technology Sector **Department of Natural Resources Canada**