

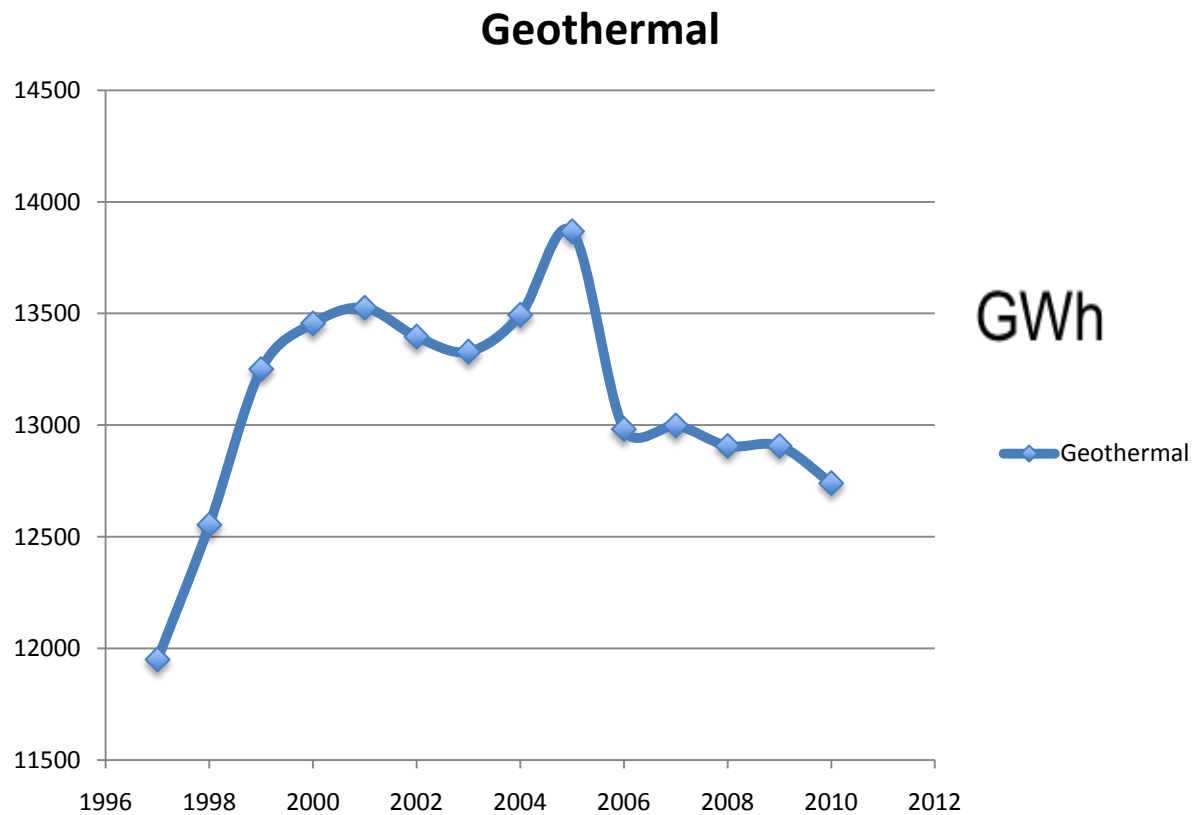
California Geothermal Energy Collaborative Forum



Mammoth Lakes, California

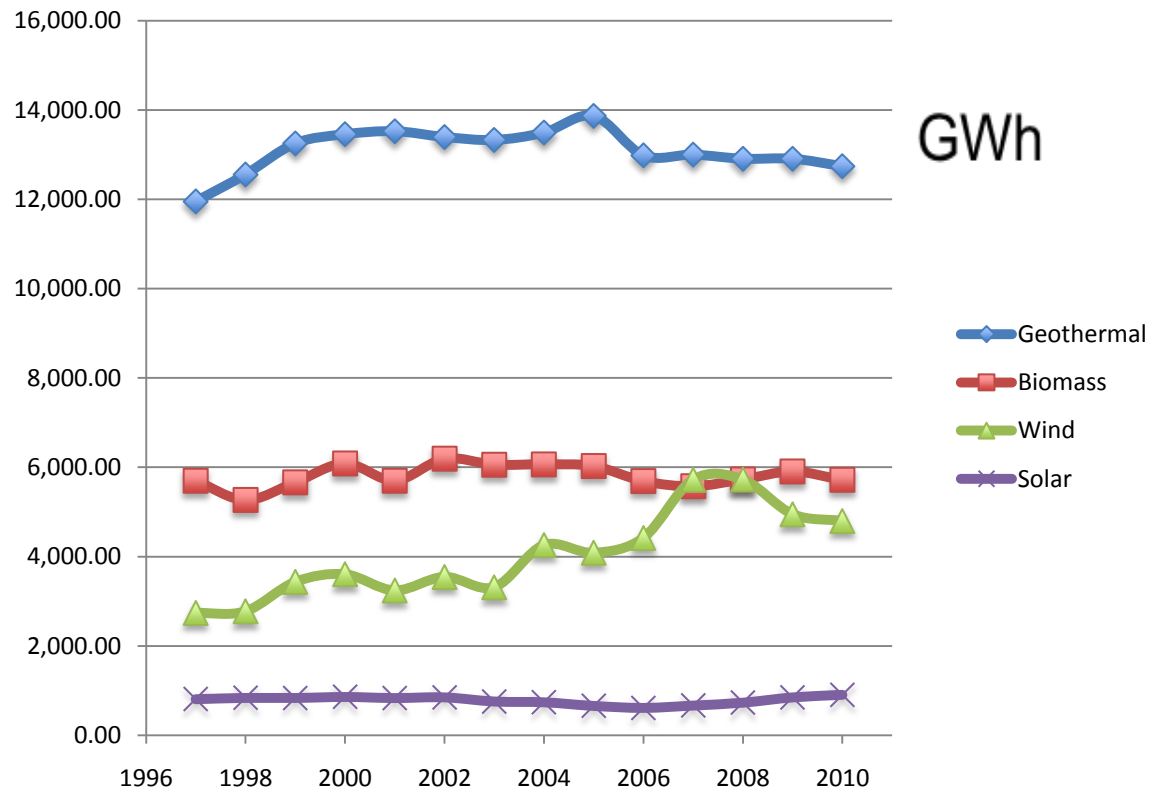
May 26, 2011

Over the last decade, electricity production from CA geothermal energy has declined



Source: CEC Energy Almanac, 2011

Even so, geothermal has provided more electricity than all other renewables, combined



Source: CEC Energy Almanac, 2011

How to get to 33% by 2020? The Magnitude of the Challenge.

Current installed capacity of renewables = 5,100 MW.

Current installed capacity of all generation in CA = 69,709 MW.

To achieve 33% of *TODAYS* generation capacity would require an ***additional*** 18,116 MW of renewable energy = >300% growth.

Current growth rate of ALL renewables over last 10 years = 3.7%.



This Forum is an Exploration of That Challenge

For geothermal growth, some key issues:

Water

Transmission

Permitting and regulations

Experience and lessons learned can help address these issues.

