

Western Governor's Association

Clean and Diversified Energy Initiative

Solar Task Force Report

January 2006

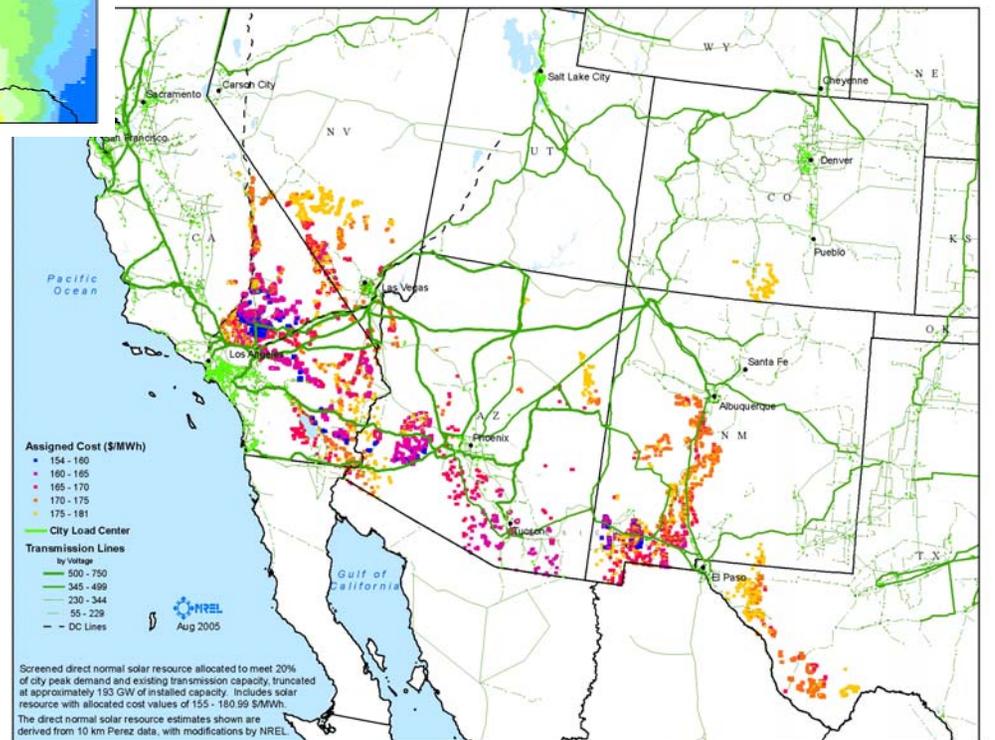
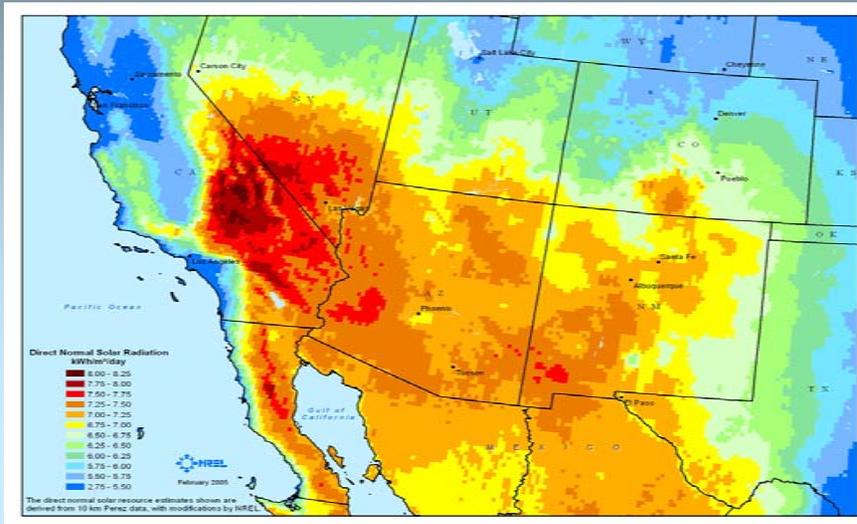
Background

- Governors Schwarzenegger (CA) and Richardson (NM) initiated the WGA effort on renewables
- Task forces were established in most renewables
- The Solar Task Force dealt with distributed power (PV and residential/commercial heating) and central station solar (CSP)
- The central station portion of this report deals with:
 - ◆ solar resource in the US Southwest
 - ◆ optimal CSP sites in the SW using GIS techniques
 - ◆ expected electricity demand in the SW
 - ◆ CSP industry supply capability (in the US)
 - ◆ technology description and characteristics
 - ◆ towers / troughs / dish-engine / concentrating PV
 - ◆ projected costs and competitive position
 - ◆ competitive price point for CSP
 - ◆ benefits to the ratepayers and society
 - ◆ risks and barriers of realizing CSP
 - ◆ policies and incentives (in the US) to realize CSP deployment

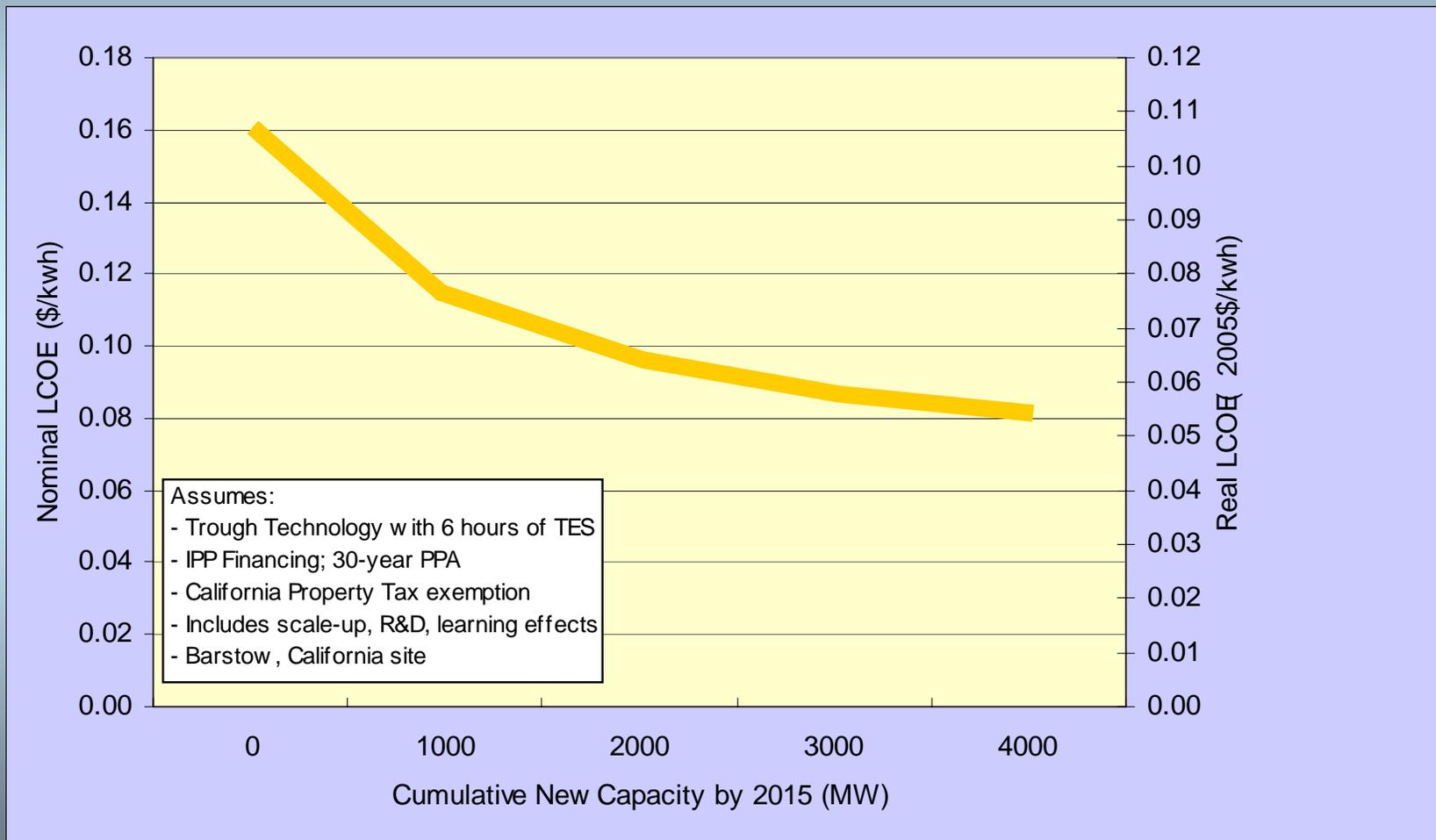
Technologies



Siting



Electricity cost vs Deployment (troughs)



Competitive Price (market price referent)

