

# **Resource Planning in a Carbon Constrained World**

## **Renewable Energy Future for Southern California**

James H. Caldwell Jr

Asst General Manager for Environmental Affairs

Los Angeles Department of Water and Power

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# Renewable Resource Overview

## Southern California

- **We have the natural resources**
  - Tehachapi Wind
  - Mojave High Desert Solar
  - Salton Sea Geothermal
- **We have the proven technology**
  - “Danish design” wind turbines
  - “LUZ style” concentrating solar power
  - “Dual flash” geothermal
- **We have the emerging technology**
- **The economics vs. new fossil are favorable**
- **There are no “barriers,” only engineering/political challenges**
  - Land use
  - Stranded investment in conventional resources
  - Transmission

# Southern California Renewable Resources



	Wind (MW)	Solar (MW)	Geothermal (MW)
<b>Existing</b>	500	~800	400
<b>In Development /Planned</b>	4,500	1,200	2,000
<b>Potential</b>	6,000	40,000	3,000

# Alternative B Conservation Areas

## West Mojave Plan Final EIS/R Map 2-15

### Legend

- Habitat Conservation Areas (HCA's)**
- Tortoise Desert Wildlife Management Areas (DWMA's)
  - Mojave Ground Squirrel Conservation Areas
  - Bendire's Thrasher Conservation Areas
  - Mojave Fringe-toed Lizard Conservation Areas
  - ACEC Expansion Areas
  - Other Conservation Areas
- Other Map Features**
- Critical Habitat on Military Lands
  - Significant Ecological Areas (LA Co.)
  - Existing ACEC's
  - BLM Wilderness Areas
  - Calif. Dept. of Fish and Game
  - State Parks
  - City Limit Boundaries
  - County Lines
  - Major Roads
  - Stoddard to JV Connector Route
  - JV to Parker Race Corridor
  - Mojave River
  - Plan Boundary
  - Military Lands
  - NPS Lands
  - USFS Lands

Features displayed are generalized and should not be considered precise



Locator Map



Scale: 1 : 450,000