

California Desert District Management Group

**Information Update Brief
Energy Program Overview**



Briefing Outline

- Sample Project Development Process
- Solar Potential Southwest
- Solar Technologies
- Energy Applications
- California Energy Commission & Bureau of Land Management Agreement
- USFWS/BLM Consulting Agreement
- Energy Strike Team
- Field Issues
- Ongoing Actions
- Questions

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Why Here Why Now

■ The Mojave Desert is a unique resource

- 300-330 cloudless days / year
- Level land at a high elevation
- Near to electricity consumers

■ Favorable regulation in California

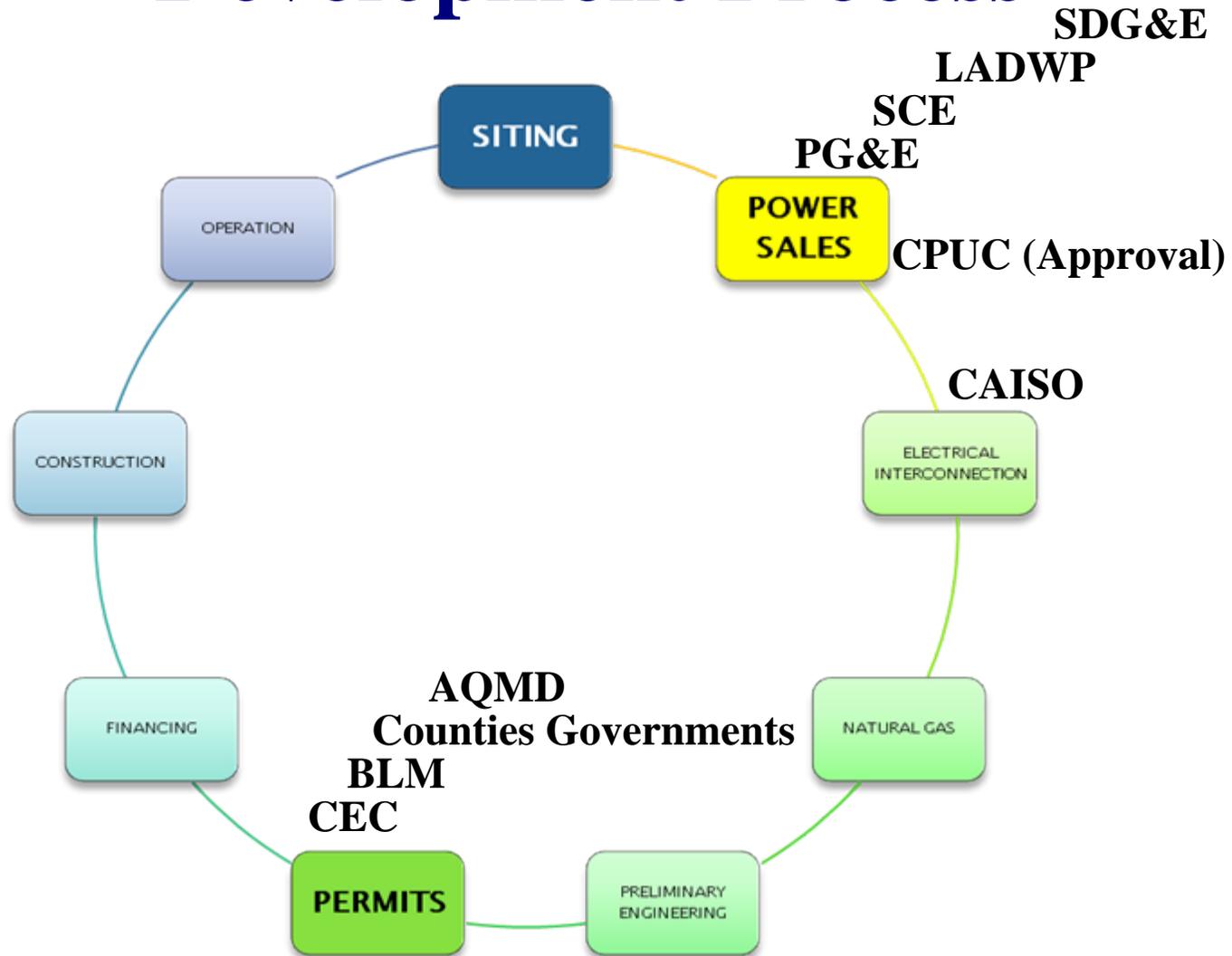
- California utilities must provide 20% of their power from renewable sources by 2010 and 33% by 2017
- AB32 in California, landmark greenhouse gas legislation

■ Favorable U.S. policies

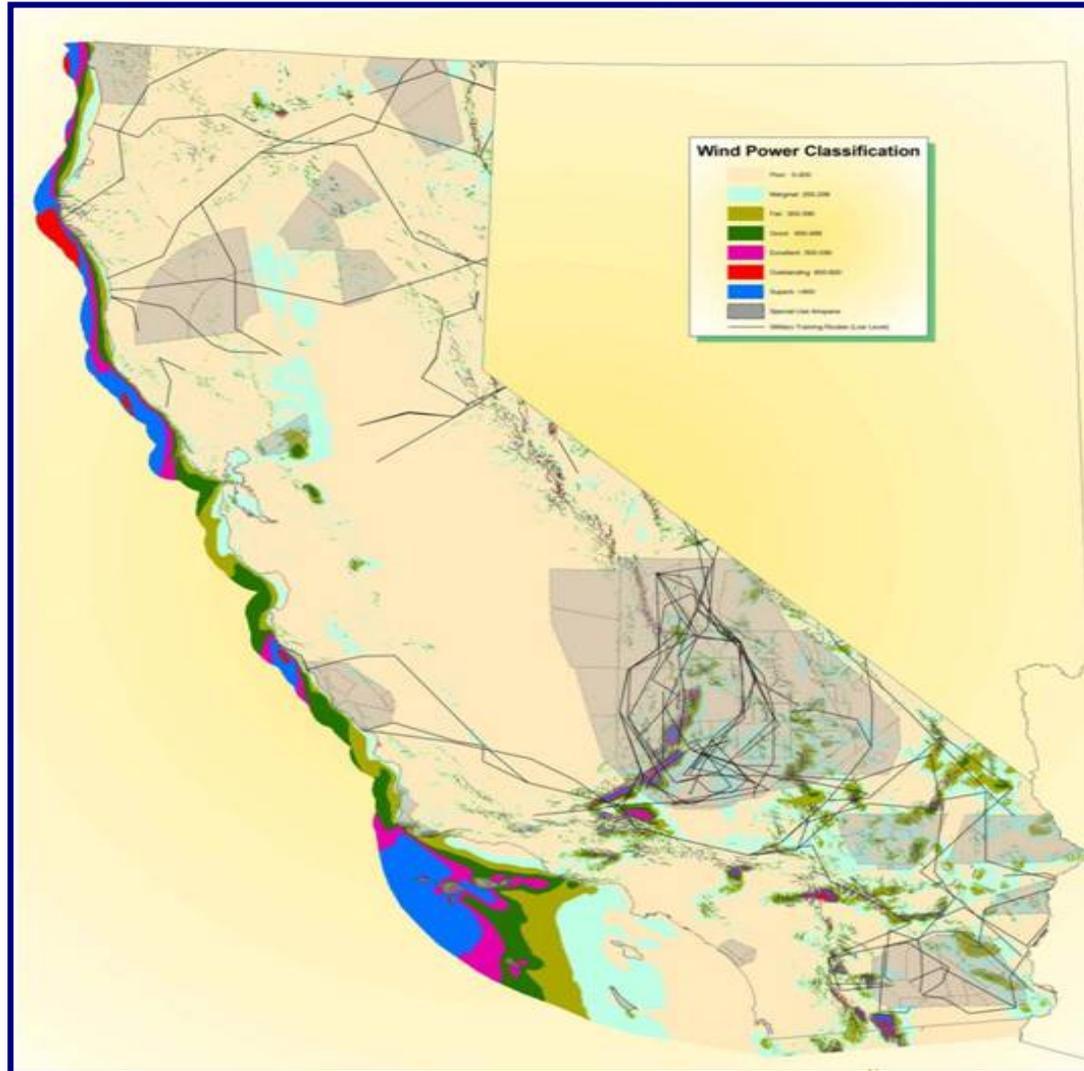
- Tax Incentives (ITC and accelerated depreciation)
- Growing support for federal CO2 regulation
- 23 states have implemented renewable energy requirements to reduce pollution and CO2 emissions



Sample Project Development Process

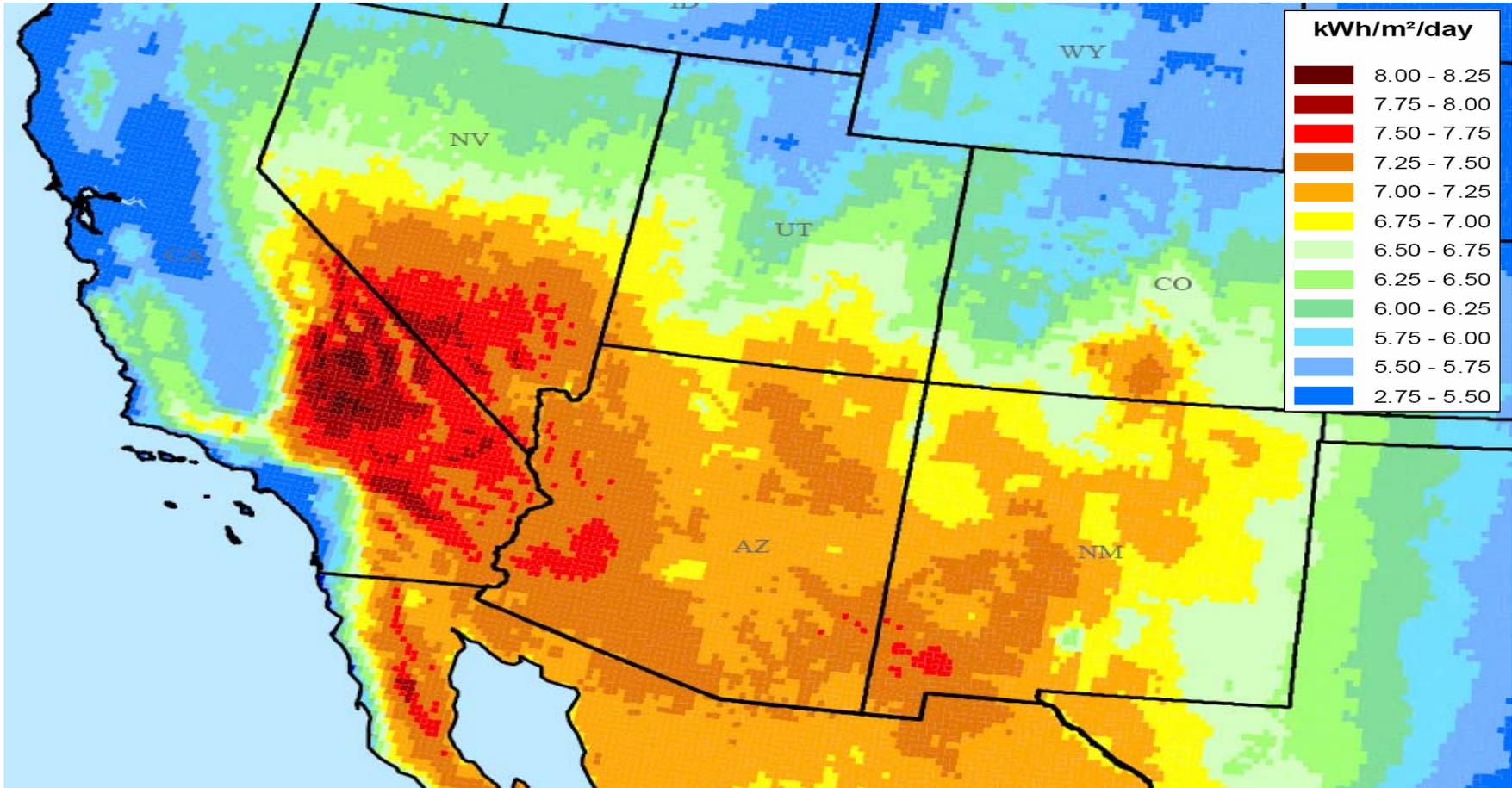


Wind Potential





Solar Potential



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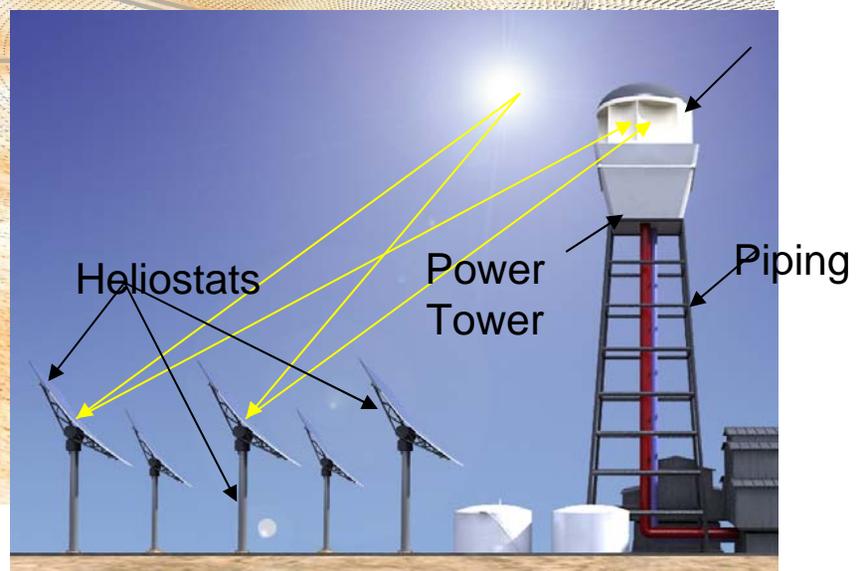
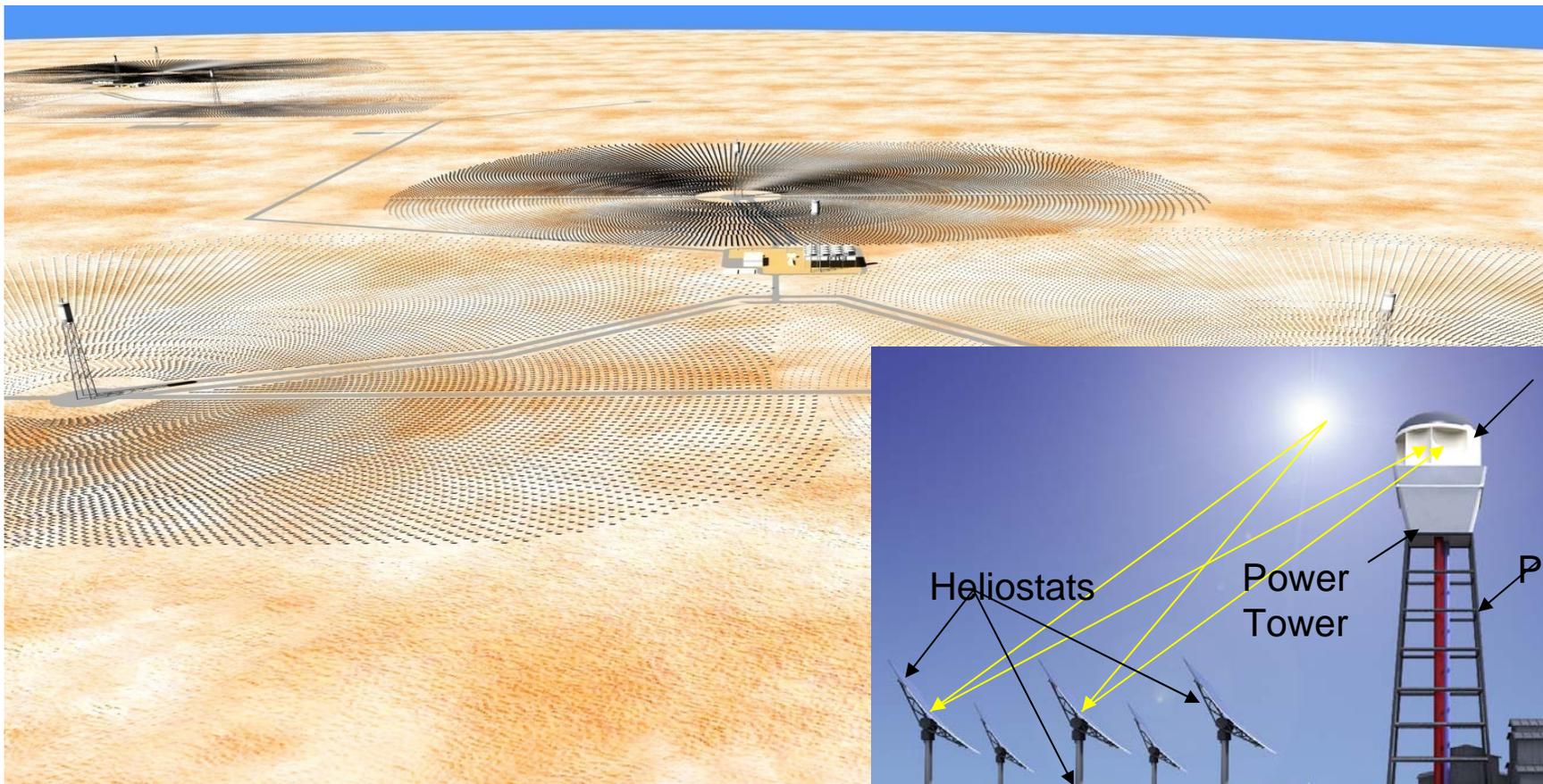
Solar Trough



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Power Tower



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Stirling Engine



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Photovoltaic



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Energy Applications

Field Offices	Companies		Applications							Megawatts	
	Wind	Solar	Wind		Solar		CSR	CSR/PV	PV	Wind	Solar
			Test	POD	Test	POD					
Barstow	14	5	28	3	0	12	9	0	3	(118)	9,900
El Centro	6	3	6	0	0	3	2	0	1	?	1,400
Needles	7	5	10	0	0	16	15	0	1	125	16,000
Palm Springs	4	6	0	4	1	9	6	2	1	135	5,100
Ridegecrest	7	5	11	0	0	11	7	0	4	(220)	5,500
District	(23)	(15)	55	7	1	51	39	2	10	(598)	37,900



Cooperative Agreements

■ CEC/BLM MOU

- Joint Environmental Review NEPA/CEQA
- Integrated Process
- Roles and Responsibilities
- Data Adequacy
- Discovery
- Analysis
- Hearings

■ USFWS/BLM Consulting Agreement

- Informal and formal consultation
- Cost Reimbursement



CEC & BLM Combined Processing Plan & Map

See Hand Outs



Energy Strike Team



- **Washington BLM Office**
 - National Renewable Energy Laboratory
- **California Energy Commission**
- **United States Fish & Wildlife Service**
 - Venture Office
 - Carlsbad Office
- **BLM State Office**
- **BLM District (CDD)**
- **BLM CA Field Offices**
 - Ridgecrest
 - Barstow
 - Needles
 - Palm Springs
 - El Centro
- **National Park Service**
- **BLM Arizona District**
- **BLM Nevada Field Office**
- **District Advisory Council**



Perspectives

■ Field Office Issues

- Establishment of new corridors ?
- Recreation
- Military Low Level Air Space?
- Visual Resources
- DWMA, ACEC, & Wilderness
- Other Public Lands,
- Consultations, SHPO, Tribes, etc.
- Cooperator Status



Summary

■ Ongoing Actions

- Cumulative Affects Strategy Discussion
- CEC/BLM Joint NEPA/CEQA process
- Processing individual applications
 - POD
 - Testing facilities
 - First in time, first in line, w/ complete application
- California Governor's Office Of Planning Research, JLUS - Barstow and Ridgecrest



Questions

CAISO

<http://www.caiso.com/docs/2002/06/11/2002061110300427214.html>

CEC

<http://www.energy.ca.gov>

BLM

<http://www.blm.gov>

<http://www.blm.gov/ca/st/en/fo/cdd.html>