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# LATHAM & WATKINS LLP

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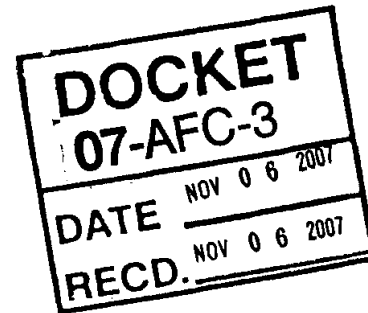
Barcelona	New Jersey
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November 6, 2007

File No. 030137-0012

### VIA FEDEX

CALIFORNIA ENERGY COMMISSION  
Attn: Docket No. 07-AFC-3  
1516 Ninth Street, MS-4  
Sacramento, California 95814-5512



Re: CPV Sentinel Energy Project: Docket No. 07-AFC-3

Dear Sir/Madam:

Pursuant to California Code of Regulations, title 20, sections 1209, 1209.5, and 1210, enclosed herewith for filing please find a presentation entitled, "CPV Sentinel Energy Project, Public Site Visit and Informational Hearing."

Please note that the enclosed submittal was also filed today via electronic mail to your attention.

Very truly yours,

A handwritten signature in cursive script that reads "Paul E. Kihm".

Paul E. Kihm  
Senior Paralegal

Enclosure

cc: Michael J. Carroll, Esq. (w/ encl.)

**STATE OF CALIFORNIA  
ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION**

In the Matter of:	)	Docket No. 07-AFC-3
	)	
Application for Certification, for the CPV SENTINEL ENERGY PROJECT <i>Power Plant Licensing Case</i>	)	<b>ELECTRONIC PROOF OF SERVICE LIST</b>
	)	
	)	(Revised October 15, 2007]
	)	

Transmission via electronic mail and by depositing one original signed document with FedEx overnight mail delivery service at Costa Mesa, California with delivery fees thereon fully prepaid and addressed to the following:

DOCKET UNIT

**CALIFORNIA ENERGY COMMISSION**

Attn: DOCKET NO. 07-AFC-3  
1516 Ninth Street, MS-4  
Sacramento, California 95814-5512  
[docket@energy.state.ca.us](mailto:docket@energy.state.ca.us)

Transmission via electronic mail addressed to the following:

APPLICANT

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**Dale Shileikis**  
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CPV SENTINEL ENERGY PROJECT  
CEC Docket No. 07-AFC-3

INTERESTED AGENCIES

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CPV SENTINEL ENERGY PROJECT  
CEC Docket No. 07-AFC-3

DECLARATION OF SERVICE

I, Paul Kihm, declare that on November 6, 2007, I deposited a copy of the attached:

**CPV SENTINEL ENERGY PROJECT PUBLIC SITE VISIT AND INFORMATIONAL  
HEARING PRESENTATION**

with FedEx overnight mail delivery service at Costa Mesa, California with delivery fees thereon fully prepaid and addressed to the California Energy Commission. I further declare that transmission via electronic mail was consistent with the requirements of California Code of Regulations, title 20, sections 1209, 1209.5, and 1210. All electronic copies were sent to all those identified on the Proof of Service List above.

I declare under penalty of perjury that the foregoing is true and correct. Executed on November 6, 2007, at Costa Mesa, California.

  
\_\_\_\_\_  
Paul Kihm

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# **CPV Sentinel Energy Project**

## **Public Site Visit and Informational Hearing**

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**October 5, 2007**



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## CPV Sentinel is the solution for the region's power needs

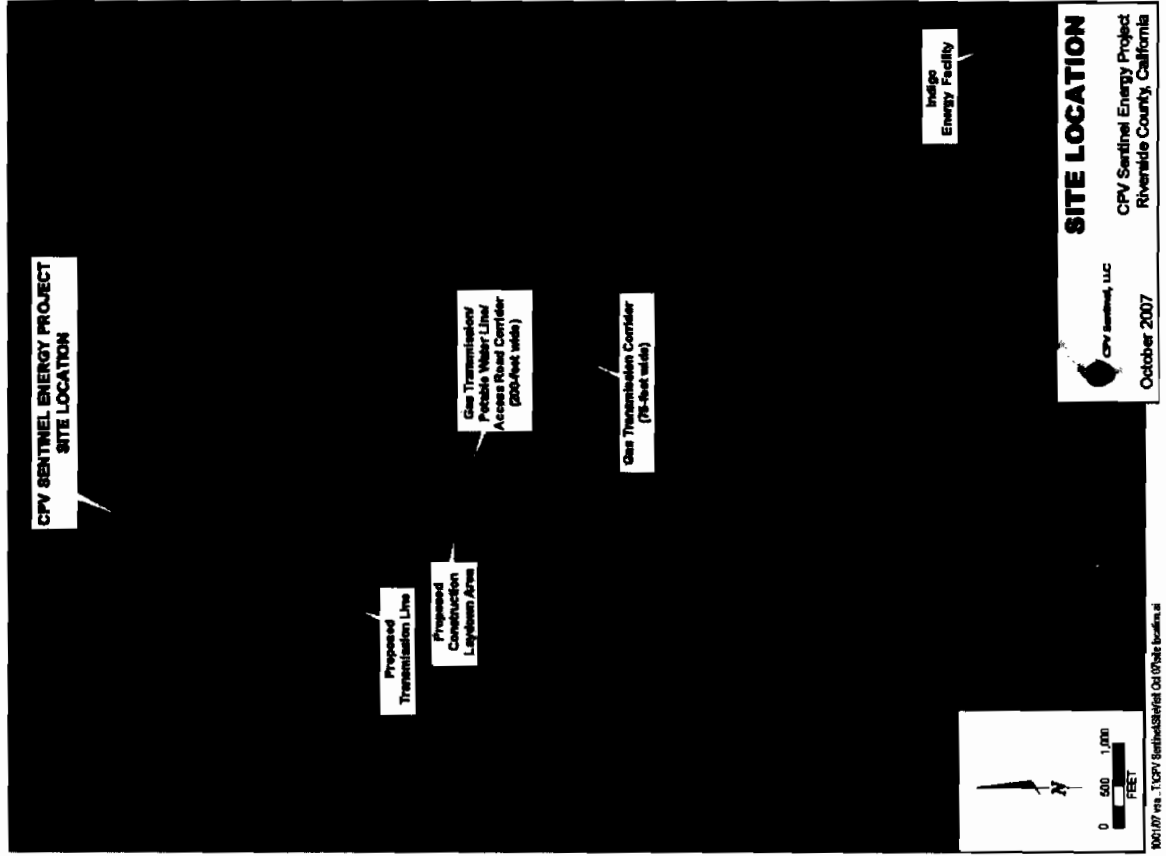
- State (CEC/CPUC) determined that there is a critical need for standby power in this region by 2010
- CPV Project, through a competitive bid process, was selected as solution
- What is needed in the region is low cost, efficient, standby electricity that operates when power demand peaks
- Protection against blackouts

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# Project Site – An ideal location

- 37 Acre Site, located in a remote area near HWY 62 and Dillon road, adjacent to the Devers substation, sparsely populated, surrounded by transmission lines and wind turbines – minimal visual impacts.
- Zoning and General Plan designation specifically allows for electric generation stations and corridors.
- Location is excellent for providing local and regional electric stability
  - Devers Substation is the hub for Coachella Valley electric supply
  - Regional stability complimenting local wind generation

# CPV Sentinel – Site & Linears





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# CPV Sentinel Project Description

- 800 MW standby power plant
  - Eight (8) General Electric LMS100 combustion turbines
  - Clean burning natural gas
  - High efficiency ~ 10% more efficient than newest standby plants on the ground
  
- Design optimized for high output / environmental efficiency in Coachella Valley's hot, arid conditions
  - Water supply is essential for cooling plant and reducing emissions
  - Zero-liquid discharge system – no discharge to the environment and minimize water needs
  
- Project Schedule
  - Permits: November 2008
  - Construction: December 2008
  - On-line: May 2010

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## Air Quality

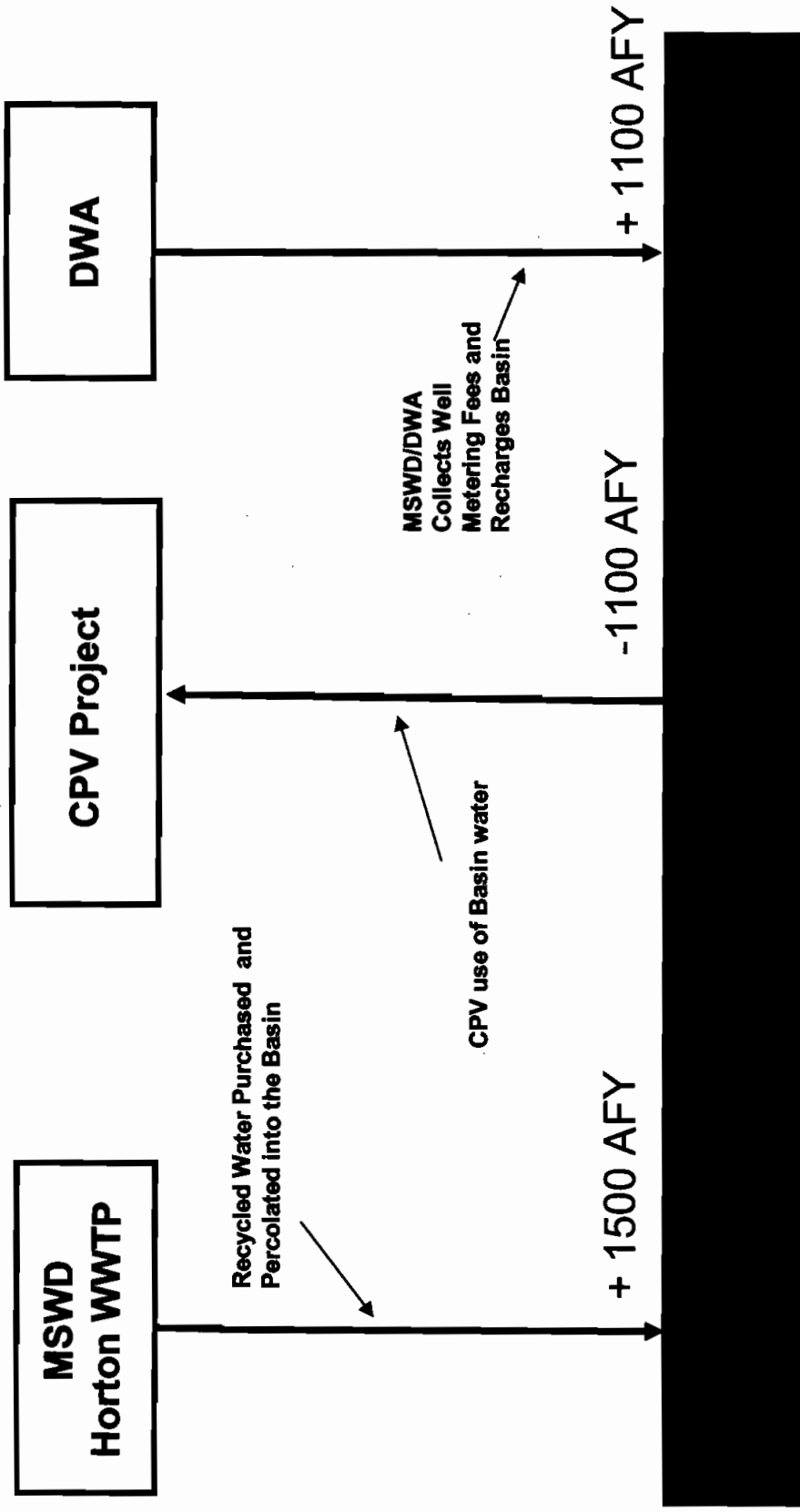
- Most environmentally efficient plant in its class
- Project equipped with Best Control Technology available today
- All project emissions will be offset – no net increases
- SCE's/State's plan to retire old, inefficient plants can't happen until new generation (under contract) comes on-line

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## Water Supply Plan – mitigated water use with reclaimed wastewater

- **Requirements**
  - Estimated lifetime average 550 AFY (same as 9 hole golf course)
  - Max annual use 1,100 AFY (rare, exceptionally hot years when power needed the most)
  - Up to 2.9 mgd when dispatched
  
- **Water Source**
  - Use reclaimed wastewater for mitigation
  - Horton current capacity: 1.3 mgd (1,500 AFY)
  - Can't use above ground storage (~32 million gallons)
  - Sub-Basin used for storage capacity of reclaimed water
  - Recovery of Sentinel-banked water via on-site wells
  - Pay MSWD/DWA fees to recharge sub-basin from DWA's recharge basin

# CPV Water Plan



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## Sentinel Water Plan – clarification of key issues

- If net natural recharge and artificial recharge are included, sub-basin is not in overdraft.
- MSWD reclaimed water is presently earmarked for irrigation (golf courses), not sub-basin replenishment. The CPV water plan results in a more favorable water balance than the planned irrigation use.
- Even with a 30% curtailment of State Water Project water (artificial recharge), the CPV water plan still results in a positive balance compared to the planned irrigation use.

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## Community Economic Benefits

### Revenues

- ~ \$17 million value to MSWD ratepayers
- \$25 million sales tax revenues, \$3 million to DHS
- \$5 million annual property tax revenues

### Jobs

- 350 new construction jobs = \$40 million payroll
- 14 permanent jobs = \$1.3 million annual payroll
- 387 indirect construction jobs = \$15 million payroll  
and \$2.6 million tax revenues

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# CPV Sentinel Standby Power Project

## **Local economic benefits and regional energy solutions**

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# Project Schedule

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AFC Certification/Other Permits Completion	November 2008
Expected Start of Construction	December 2008
Expected On-line Date	May, 2010



# Project Simulation – remote w/ low visibility



**URSS**  
**SIMULATION OF PROPOSED PROJECT**  
CPV Sentinel Energy Project  
CPV Sentinel, LLC  
Riverside County, California  
June 2007  
28007108  
**FIGURE 1.3-1**