



CALIFORNIA ENERGY COMMISSION

Energy Commission Review of Power Plants – Southern California Reliability

2014 Integrated Energy Policy Report Workshop
UCLA NanoSystems Institute Auditorium
August 20, 2014

Roger Johnson

Siting, Transmission and Environmental Protection Division
Roger.Johnson@energy.ca.gov / (916) 654-5100

California Energy Commission

DOCKETED

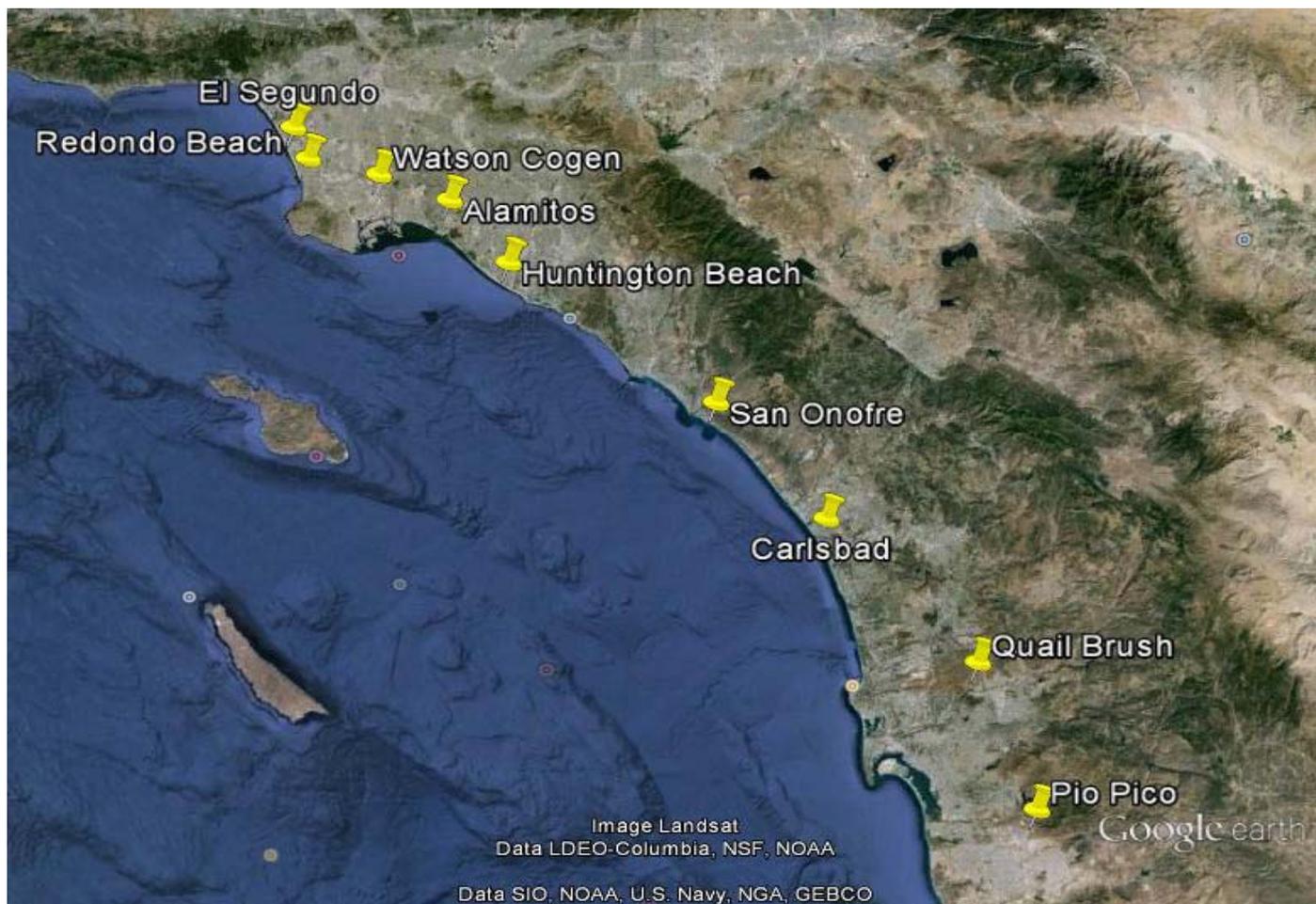
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TN 73664

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Southern California Power Plants





CALIFORNIA ENERGY COMMISSION

Review status of Southern California Power Plants

| Project | Capacity | Development Status | Schedule | OTC Compliance Date |
|------------------|----------|---|------------------------------|---------------------|
| El Segundo 1 | 560 MW | Operational 8/2013 | N/A | N/A |
| El Segundo 2 | 449 MW | PSA filed 4/4/2014 FSA 30 days after FDOC | CEC Decision 2014 | 12/31/2015 |
| Watson Cogen | 85 MW | Approved 4/11/2012 | On-hold | N/A |
| Redondo | 496 MW | PSA filed 7/28/2014 | Undetermined | 12/31/2020 |
| Alamitos | 1950 MW | PSA expected 10/2014 | CEC Decision 2015 | 12/31/2020 |
| Huntington Beach | 939 MW | PMPD expected 9/2014 | CEC Decision 10/2014 | 12/31/2020 |
| Carlsbad | 632 MW | PSA expected 11/2014 | CEC Decision 2015 | 12/31/2017 |
| Quail Brush | 100 MW | Permitting | Suspended until 4/15/2015 | N/A |
| Pio Pico | 300 MW | Pre-construction | Const. starts 9/1/2014 | N/A |



NRG El Segundo

**El Segundo Units 1&2 replaced on 8/2013
with 560 MW fast-start air-cooled combined
cycle.**

City of El Segundo

El Segundo Units 3&4 Replacement

**449 MW (1 fast-start air-cooled combined
cycle and 2 simple cycle peakers)**

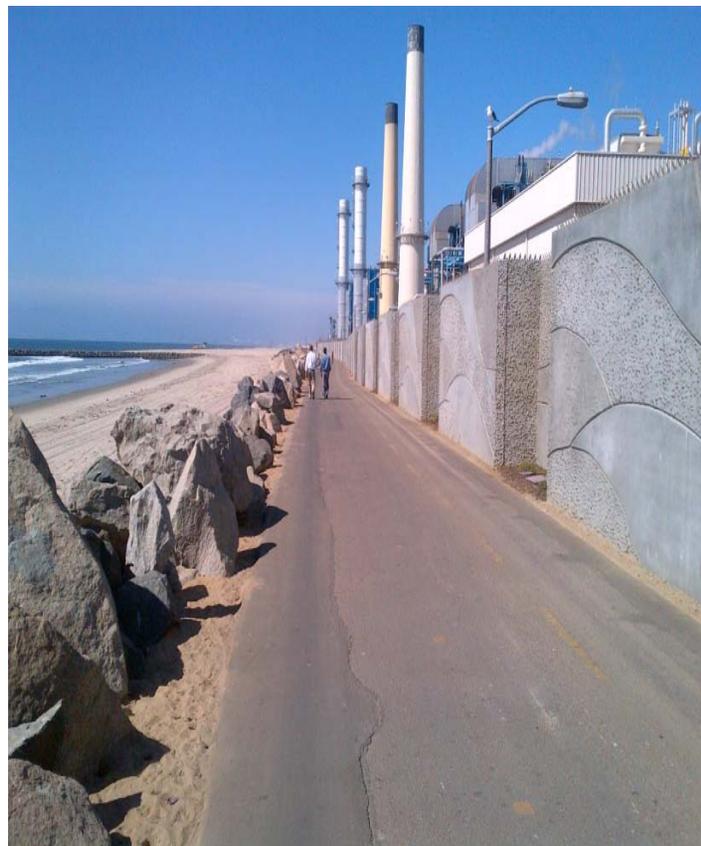
Petition to Amend filed 4/23/2013

Preliminary Staff Assessment filed 4/4/2014

**Final Staff Assessment 30 days after Final
Determination of Compliance**

CEC Decision expected late 2014

OTC compliance date 12/31/2015





Watson Cogeneration

**Add 5th train to Watson
Cogeneration Project**

City of Wilmington

**85 MW cogeneration unit
approved by CEC on
5/31/2012**

Project development on hold





AES Redondo Beach

**Redondo Beach Generating Station
Replacement**

496 MW (3-on-1 air-cooled combined cycle)

City of Redondo Beach

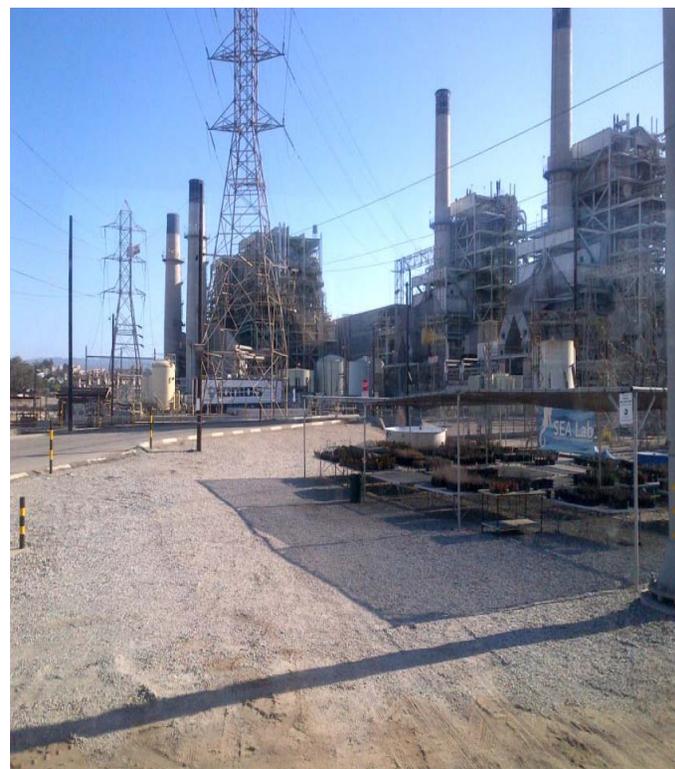
AFC filed 11/20/2012

Preliminary Staff Assessment filed 7/28/2014

PSA comment period closes 9/29/2014

**Committee Conference late 9/2014 to
address possible suspension during
pendency of AES ballot initiative to remove
power plant and redevelop the site.**

OTC compliance date 12/31/2020





AES Huntington Beach

Huntington Beach Generating Station Replacement

**939 MW [2 x (3-on-1) air-cooled combined
cycle]**

City of Huntington Beach

AFC filed 6/27/2012

Hearings completed 8/6/2014

CEC Decision expected 10/2014

OTC compliance date 12/31/2020

August 20, 2014





AES Alamitos

Alamitos Generating Station Replacement

**1,950 MW [4 X (3-on-1) air-cooled
combined cycle]**

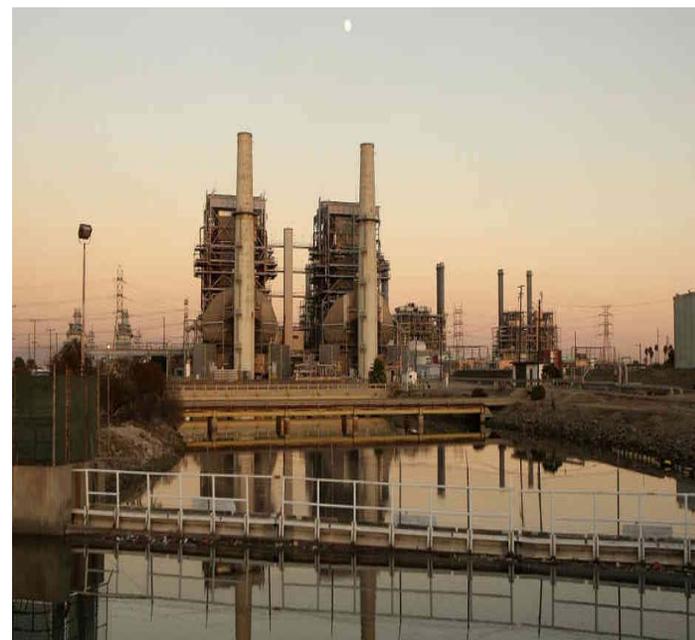
City of Long Beach

AFC filed 12/27/2013

**Preliminary Staff Assessment expected 45
days after Preliminary Determination of
Compliance**

CEC Decision expected 2015

OTC compliance date 12/31/2020





NRG Carlsbad

Encina Power Station Replacement

City of Carlsbad

540 MW air-cooled combined cycle approved
by CEC on 5/31/2012

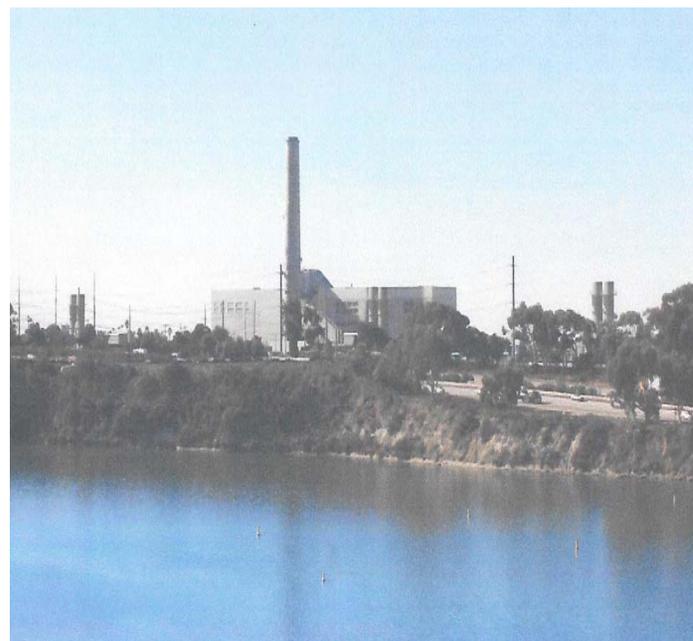
Petition to Amend filed 4/23/2013 for 632 MW
(6 LMS 100 simple cycle) and removal of
Encina Generating Station

Preliminary Staff Assessment expected
11/2014

Final Staff Assessment expected 1/2015

CEC Decision expected mid 2015

OTC compliance date 12/31/2017





Quail Brush

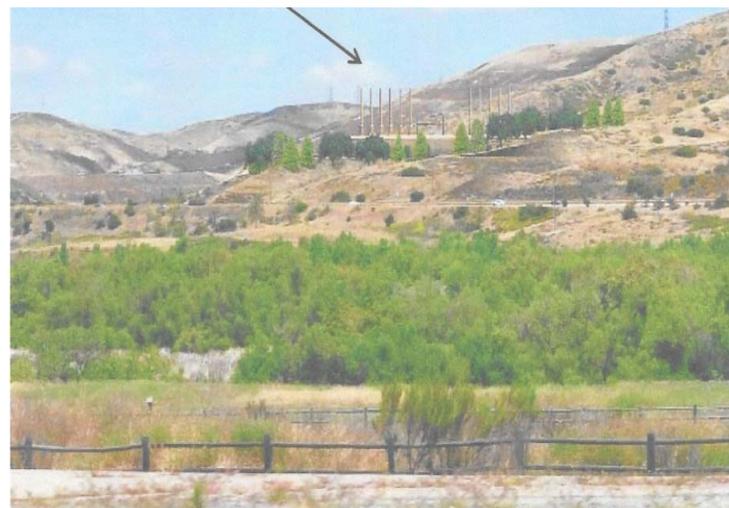
100 MW (11 natural gas-fired, Wartsila reciprocating engine generators) - greenfield

City of San Diego

AFC filed 8/2011

4/8/2013 Applicant requests and is granted a 12-month suspension

4/8/2014 Applicant requests and is granted an additional 12-month suspension





Pio Pico

**300 MW simple cycle project
approved by CEC 9/12/2012 –
greenfield**

San Diego County (Otay Mesa)

**Project construction expected to
start on 9/1/2014**

PSD permit appeal resolved

**Appeal of CPUC decision should
not affect start of construction**

