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October 20, 2008

Mr. Dale Rundquist  
Compliance Project Manager  
California Energy Commission  
1516 9<sup>th</sup> Street  
Sacramento, CA 95814

<b>DOCKET</b>	
05-AFC-2C	
DATE	OCT 20 2008
RECD	OCT 29 2008

**Re: Petition for Modifications No. 1, Walnut Creek Energy Park (05-AC-02)**

Dear Mr. Rundquist:

On behalf of Walnut Creek Energy, LLC, please find attached one original and five copies of Petition for Modifications No. 1 for the Walnut Creek Energy Park (05-AFC-02). Also attached are 12 electronic copies of the petition on CD-ROM. Air quality modeling files will be transmitted to you under separate cover. This Petition for Modification proposes to relocate several plant features within the existing property boundary. Changes include the relocation of the fuel gas compressor building and the cooling tower, and the addition of a waste water storage tank. Other minor modifications include the aggregation of the control building with the warehouse and maintenance building, the removal of a recycled chlorination tank and the addition of five high-side electrical breakers.

If you have any questions about this matter, please contact me at (949) 798-7895 or Doug Davy at (916) 286-0278.

Sincerely,

Victor Yamada  
Director, Environmental, Health & Safety

Attachment

Copy: Doug Davy, CH2MHill  
Kris Kjellman, EME

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*Petition for Modification No. 1*

**Minor Equipment Location Changes**

for the

**Walnut Creek Energy Park**

**City of Industry, California**

(05-AFC-02)

Submitted to the:

**California Energy Commission**

Submitted by:

**Walnut Creek Energy, LLC**

A wholly owned subsidiary of



With Technical Assistance by:



October 2008

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# Acronyms and Abbreviations

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$\mu\text{g}/\text{m}^3$	micrograms per cubic meter
AFC	Application for Certification
BPIP	Building Profile Input Program
CAISO	California Independent System Operator
CCR	California Code of Regulations
CEC	California Energy Commission
CO	carbon dioxide
EME	Edison Mission Energy
HARP	Hotspots Analysis Reporting Program
HI	Health Index
ISCST3	Industrial Source Complex Short Term Model
KOP	key observation point
LORS	laws, ordinances, regulations, and standards
MEI	Maximally exposed individual
MIR	Maximally Impacted Receptor
NO <sub>2</sub>	nitrogen dioxide
NO <sub>x</sub>	oxides of nitrogen
PM <sub>10</sub>	particulate matter less than 10 micrometers in aerodynamic diameter
SCE	Southern California Edison
SCR	selective catalytic reduction
SO <sub>2</sub>	sulfur dioxide
SoCalGas	Southern California Gas Company
UTM	Universal Transverse Mercator
WCE	Walnut Creek Energy, LLC
WCEP	Walnut Creek Energy Park

# Executive Summary

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Walnut Creek Energy, LLC petitions the California Energy Commission to modify the certification for Walnut Creek Energy Park (WCEP) (05-AFC-2). This Petition for Modification proposes to relocate several plant features within the existing property boundary. All proposed modifications would be within the existing facility layout owned by Walnut Creek Energy, LLC, a wholly owned subsidiary of Edison Mission Energy.

The changes include the relocation of the fuel gas compressor building and the cooling tower, and the addition of a wastewater storage tank on the far west end of the site. Other minor modifications include the combination of the control building with the warehouse/maintenance building, the removal of a recycled chlorination tank, and the addition of five high-side electrical breakers.

The project owner does not suggest any revisions to the Conditions of Certification set forth in the February 2008 certification for WCEP. With adherence to the Conditions of Certification, the WCEP, as modified, will not cause significant adverse impacts to the environment.

SECTION 1.0

# Introduction

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## 1.1 Overview of Modifications

Walnut Creek Energy, LLC (WCE) petitions the California Energy Commission (CEC) to modify the certification for Walnut Creek Energy Park (WCEP) (05-AFC-2). The Application for Certification (AFC) for this project was filed in 2005 (WCE, 2005) and the facility received CEC certification on February 27, 2008 (CEC, 2008).

This Petition for Modification proposes to relocate several plant features within the existing property boundary. The changes include the relocation of the fuel gas compressor building and the cooling tower and the addition of a wastewater storage tank on the far west end of the site. Other minor modifications include the combination of the control building with the warehouse/maintenance building, the removal of a recycled chlorination tank, and the addition of five high-side electrical breakers. A detailed description of the proposed modifications to the facility general arrangement is included in Section 2.0.

This Petition for Modification contains all of the information that is required pursuant to the CEC's Siting Regulations (California Code of Regulations [CCR] Title 20, Section 1769, Post Certification Amendments and Changes). The information necessary to fulfill the requirements of Section 1769 is contained in Sections 1.0 through 6.0 as summarized in Table 1.1-1.

TABLE 1.1-1  
Informational Requirements for Post-Certification Modifications

Section 1769 Requirement	Section of Petition Fulfilling Requirement
(A) A complete description of the proposed modifications, including new language for any conditions that will be affected	Section 2.0—Proposed modifications Sections 3.1 to 3.15—Proposed changes to Conditions of Certification, if necessary, are located at the end of each technical section
(B) A discussion of the necessity for the proposed modifications	Section 1.3
(C) If the modification is based on information that was known by the petitioner during the certification proceeding, an explanation why the issue was not raised at that time	Section 1.3
(D) If the modification is based on new information that changes or undermines the assumptions, rationale, findings, or other bases of the final decision, an explanation of why the change should be permitted	Sections 1.4, 3.1 to 3.4
(E) An analysis of the impacts the modification may have on the environment and proposed measures to mitigate any significant adverse impacts	Section 3.1 to 3.4
(F) A discussion of the impact of the modification on the facility's ability to comply with applicable laws, ordinances, regulations, and standards;	Section 3.1 to 3.4

TABLE 1.1-1  
Informational Requirements for Post-Certification Modifications

Section 1769 Requirement	Section of Petition Fulfilling Requirement
(G) A discussion of how the modification affects the public	Section 4.0
(H) A list of property owners potentially affected by the modification	Section 5.0
(I) A discussion of the potential effect on nearby property owners, the public and the parties in the application proceedings.	Section 6.0

## 1.2 Ownership of the Facility Property

WCE will own the WCEP, and is a wholly-owned subsidiary of Edison Mission Energy (EME). EME is an independent power developer, owner, and operator engaged in the business of owning or leasing, operating, and selling energy and capacity from electric power generation facilities.

## 1.3 Necessity of Proposed Changes

The Siting Regulations require a discussion of the necessity for the proposed revision to WCEP certification and whether the modification is based on information known by the petitioner during the certification proceeding (Title 20, CCR, Sections 1769 [a][1][B], and [C]). This Petition for Modification will modify the previous project layout to improve the arrangement of the facility equipment. The proposed changes are required for the following reasons and were a result of information obtained after certification:

- After meeting with the Los Angeles County Fire Department, it was determined that a fire truck turnaround circle is required on the west end of the property. Inclusion of the appropriately sized turnaround circle would leave insufficient space for the gas compressors in their current location. Therefore, WCE proposes to move the fuel gas compressor building to the east end of the facility.
- The cooling tower will be constructed on top of a large concrete basin that would be approximately 4 feet deep. However, during development of the site, it was discovered that an existing 60-inch-diameter storm drain ran directly under the previously sited cooling tower location. As a result, it would not be practical to construct the cooling tower and basin on top of the existing storm drain. Therefore, WCE proposes to move the cooling tower approximately 120 feet east of the previously sited location.
- A study was conducted by the Southern California Gas Company (SoCalGas) following the AFC certification. Based on the size requirements identified by SoCalGas, WCE proposes to locate the gas metering yard and filters adjacent to the SoCalGas yard on the east end of the site.



- WCE proposes to add a waste water storage tank near the far west end of the site. The waste water storage tank will be added to moderate the discharge of blowdown from the cooling tower to the 48-inch sewer trunk line.
- It was determined by further engineering analysis that the recycled chlorination tank would not be necessary. Therefore, WCE proposes to remove the recycled chlorination tank.
- WCE proposes the addition of five high-side electrical breakers to meet Southern California Edison's (SCE) and the California Independent System Operator (CAISO) electrical protection and metering requirements.

## 1.4 Consistency of Changes with Certification

The Siting Regulations also require a discussion of the consistency of the proposed project revision with the applicable laws, ordinances, regulations, and standards (LORS) and whether the modifications are based on new information that changes or undermines the assumptions, rationale, findings, or other basis of the final decision (Title 20, CCR Section 1769 [a][1][D]). If the project is no longer consistent with the certification, the Petition for Modification must provide an explanation why the modification should be permitted.

The proposed project revisions are consistent with all applicable LORS. This Petition for Modification is not based on new information that changes or undermines any basis for the final Decision. The findings and conclusions contained in the Commission Decision for WCEP (CEC, 2008) are still applicable to the project as modified.

## 1.5 Summary of Environmental Impacts

The CEC Siting Regulations require that an analysis be conducted to address the potential impacts the proposed modifications may have on the environment and proposed measures to mitigate any potentially significant adverse impacts (Title 20, CCR, Section 1769 [a][1][E]). The regulations also require a discussion of the impact of the modification on the facility's ability to comply with applicable LORS (Section 1769 [1][a][F]). Section 3.0 of this Petition for Modification includes a discussion of the potential environmental impacts associated with the modifications as well as a discussion of the consistency of the modification with LORS. Section 3.0 also includes updated environmental baseline information if changes have occurred since the AFC that would have a bearing on the environmental analysis of the Petition for Modification. Section 3.0 concludes that there will be no significant environmental impacts associated with implementing the actions specified in the Petition for Modification and that the project as modified will comply with all applicable LORS.

## 1.6 Conditions of Certification

The construction of the WCEP modifications identified in this petition would require no changes to the CEC Conditions of Certification as described in the Commission Decision for the WCEP.

## 1.7 References

California Energy Commission (CEC). 2008. Final Commission Decision on Walnut Creek Energy Park. California Energy Commission, Sacramento, California. February.

Walnut Creek Energy, LLC (WCE). 2005. Application for Certification for the Walnut Creek Energy Park. Submitted to the California Energy Commission. Submitted by Walnut Creek Energy, LLC, a wholly owned subsidiary of Edison Mission Energy.

## SECTION 2.0

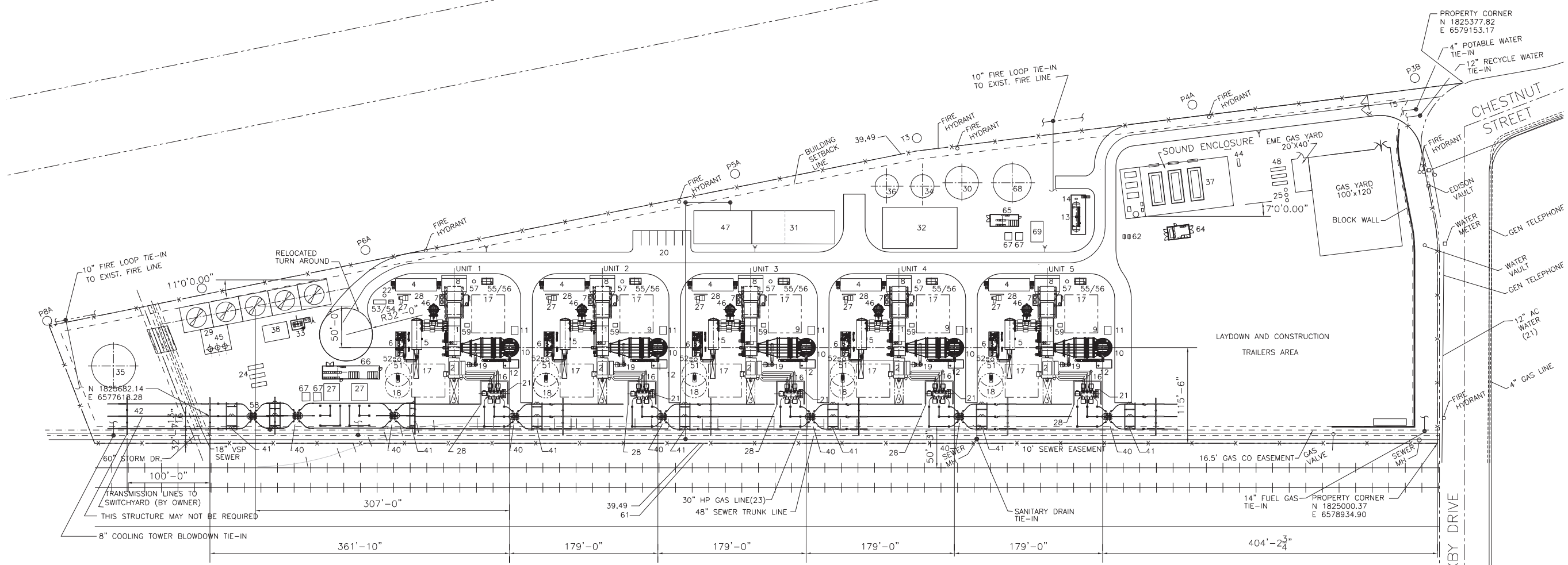
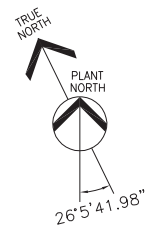
# Description of Project Modifications

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This section includes a description of the proposed project modifications, consistent with CEC Siting Regulations (Title 20, CCR, Section 1769 [a][1][A]). Walnut Creek Energy, LLC proposes to modify the previous project layout to accommodate the development of the project and optimize the arrangement of the facility equipment. Figure 2.1-1a presents the revised general arrangement drawing. Figure 2.1-1b presents a comparison of the proposed modifications to the general arrangement drawing included in the AFC. Figure 2.1-2 shows the profile view (elevation) of the project design, as revised.

The following describes the proposed modifications. Numbers in parentheses are keyed to the legend in the General Arrangement drawings (Figure 2.1-1a).

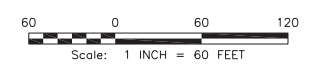
- Per direction from the Los Angeles County Fire Department, a turnaround circle will be added to the end of the facility driveway at the northern end of the site. To make room for the turnaround circle, the gas compressor building (37) will be moved from the western end of the project site, near the power distribution center (66), to the eastern end of the project site.
- A gas metering yard and filters will be located adjacent to the gas company yard on the east end of the project site.
- The cooling tower (29) will be moved approximately 120 feet east of the location identified in the AFC.
- The wastewater storage tank (35) will be added to the far west end of the site. The tank will be located near the cooling tower location.
- The control building and the warehouse/maintenance building will be combined into one building (47 and 31).
- The recycled chlorination tank will be removed.
- Miscellaneous small equipment will be added (51 to 68).
- Five high-side electrical breakers (40) will be added along the southwest side of the site.



**LEGEND:**

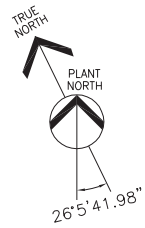
- |   |                                     |   |   |                                  |
|---|-------------------------------------|---|---|----------------------------------|
| 1 COMBUSTION TURBINE                              | 16 ISOPHASE BUS                     | 30 RECYCLE WATER STORAGE TANK           | 45 CIRCULATING WATER PUMP (QTY 3)         | 59 CO2 FIRE SKID                 |
| 2 COMBUSTION TURBINE GENERATOR                    | 16A NOT USED                        | 31 WAREHOUSE/SHOP                       | 46 VENT STACK WITH SILENCER (VSV)         | 60 NOT USED                      |
| 3 COMBUSTION TURBINE GENERATOR ROTOR REMOVAL      | 17 CRANE PARKING FOR TURBINE MAINT. | 32 WATER TREATMENT/MECHANICAL AREA      | 47 CONTROL/ADMIN BUILDING                 | 61 UNION PACIFIC RR RIGHT OF WAY |
| 4 COMBUSTION TURBINE POWER CONTROL MODULE (PCM)   | 18 FUEL GAS FINAL FILTER            | 33 SULFURIC ACID STORAGE TANK           | 48 FUEL GAS FILTER/SEPARATOR (QTY 3)      | 62 CCW PUMPS                     |
| 5 COMBUSTION TURBINE INTERCOOLER                  | 19 EXHAUST DUCT PURGE AIR FANS      | 34 TREATED WATER STORAGE TANK           | 49 PROPERTY LINE                          | 63 NOT USED                      |
| 6 COMBUSTION TURBINE COOLING PUMP SKID            | 20 PARKING                          | 35 WASTE WATER STORAGE TANK             | 50 INTERMEDIATE TRANSMISSION STRUCTURE    | 64 POWER DISTRIBUTION CENTER #1  |
| 7 COMBUSTION TURBINE MECHANICAL AUXILIARY SKID    | 21 GENERATOR STEP-UP TRANSFORMER    | 36 DEMINERALIZED WATER STORAGE TANK     | 51 INTERCOOLER DRAIN SURGE TANK           | 65 POWER DISTRIBUTION CENTER #2  |
| 8 COMBUSTION TURBINE INLET AIR FILTER/EVAP COOLER | 22 OIL/WATER SUMP                   | 37 COMPRESSOR BUILDING                  | 52 INTERCOOLER DRAIN WATER TRANSFER PUMPS | 66 POWER DISTRIBUTION CENTER #3  |
| 9 COMBUSTION TURBINE CO/SCR REACTOR               | 23 30" GAS LINE (EXISTING)          | 38 COOLING TOWER CHEMICAL FEED BUILDING | 53 OIL WATER SEPARATOR                    | 67 STATION SERVICE TRANSFORMERS  |
| 10 EXHAUST STACK                                  | 24 CLOSED COOLING WATER HEAT EXCH.  | 39 SECURITY FENCE                       | 54 OILY WATER SUMP PUMP                   | 68 FIRE WATER STORAGE TANK       |
| 11 CEMS ENCLOSURE                                 | 25 FUEL GAS SCRUBBER (QTY 3)        | 40 HIGH SIDE BREAKER (QTY 8)            | 55 WASTE WASH WATER TANK                  | 69 FIRE WATER DIESEL PUMP SKID   |
| 12 AMMONIA BLOWER SKID                            | 26 NOT USED                         | 41 AIR SWITCH (QTY 9)                   | 56 CONCRETE VAULT                         |                                  |
| 13 AQUEOUS AMMONIA STORAGE TANK                   | 27 AUXILIARY TRANSFORMER            | 42 TRANSMISSION POLE (INTERFACE POINT)  | 57 CTG RECOVERY DRAIN WATER SUMP          |                                  |
| 14 AQUEOUS AMMONIA FORWARDING PUMP SKID           | 28 FIRE WALL                        | 43 NOT USED                             | 58 SITE MAIN BREAKER                      |                                  |
| 15 ENTRANCE ROAD                                  | 29 COOLING TOWER                    | 44 GAS HEATER                           |   |                                  |

COORDINATE SYSTEM IS:  
 NAD 83 CALIFORNIA STATE  
 PLANES, ZONE V, FEET  
 (CAB3-VF)

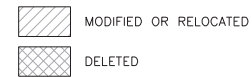


**FIGURE 2.1-1A**  
**Revised EME Walnut Creek**  
**Energy Park General Arrangement**  
 Walnut Creek Energy Park Modification 1  
 Walnut Creek, California

Source: CH2M HILL Lockwood Greene, Dwg. No. P-1001, Rev. No. N

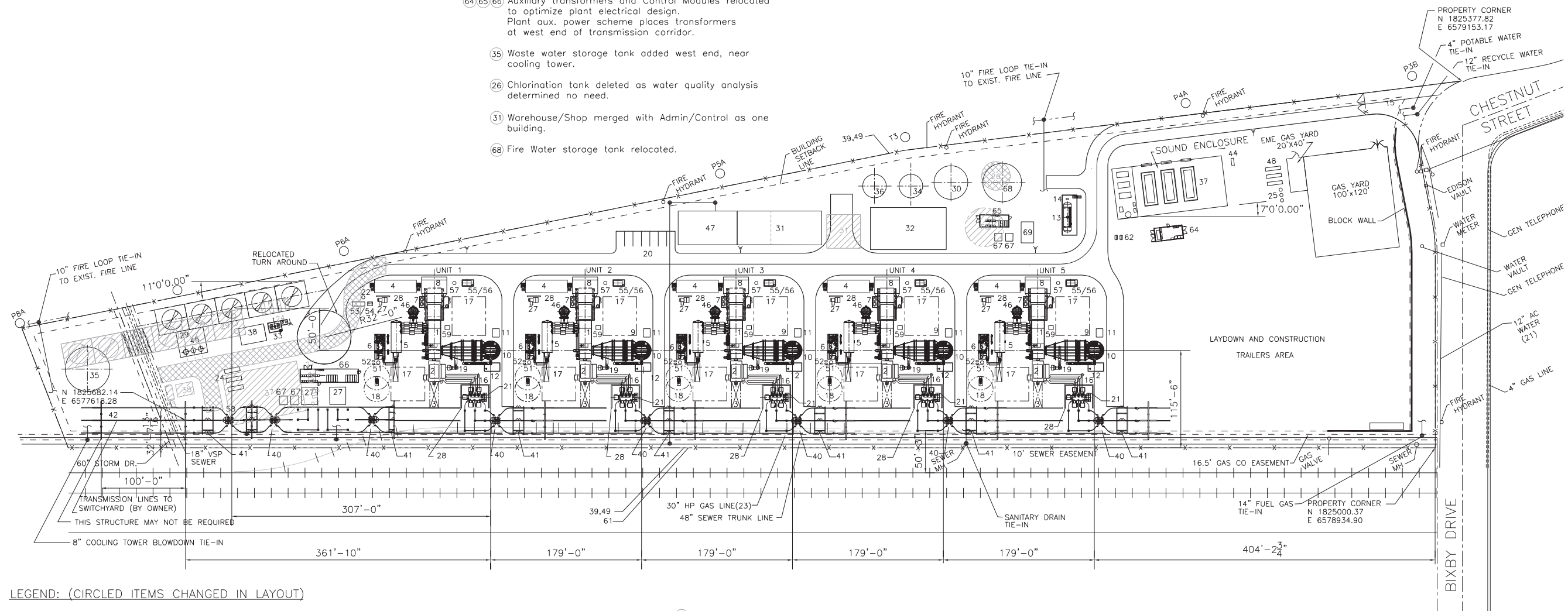


KEY TO LAYOUT CHANGE:



SUMMARY OF MAJOR LAYOUT CHANGES:

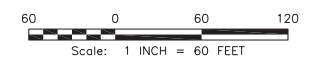
- Roadway revised at west end to allow space for equipment relocation and provide traffic turn-around.
- (24) (29) (38) (45) Cooling tower shifted east, off existing underground pipe corridor, pump basin placed on long side.
- (25) (37) (48) Natural Gas equipment and enclosure relocated east and north.
- (64) (65) (66) Auxiliary transformers and Control Modules relocated to optimize plant electrical design. Plant aux. power scheme places transformers at west end of transmission corridor.
- (35) Waste water storage tank added west end, near cooling tower.
- (26) Chlorination tank deleted as water quality analysis determined no need.
- (31) Warehouse/Shop merged with Admin/Control as one building.
- (68) Fire Water storage tank relocated.



LEGEND: (CIRCLED ITEMS CHANGED IN LAYOUT)

- |   |                                      |   |   |                                   |
|---|--------------------------------------|---|---|-----------------------------------|
| 1 COMBUSTION TURBINE                              | 16 ISOPHASE BUS                      | 30 RECYCLE WATER STORAGE TANK             | (45) CIRCULATING WATER PUMP (QTY 3)       | 59 CO2 FIRE SKID                  |
| 2 COMBUSTION TURBINE GENERATOR                    | 16A NOT USED                         | (31) WAREHOUSE/SHOP                       | 46 VENT STACK WITH SILENCER (VSV)         | 60 NOT USED                       |
| 3 COMBUSTION TURBINE GENERATOR ROTOR REMOVAL      | 17 CRANE PARKING FOR TURBINE MAINT.  | 32 WATER TREATMENT/MECHANICAL AREA        | 47 CONTROL/ADMIN BUILDING                 | 61 UNION PACIFIC RR RIGHT OF WAY  |
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| 15 ENTRANCE ROAD                                  | (29) COOLING TOWER                   | 44 GAS HEATER                             |   |                                   |

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PLANES, ZONE V, FEET  
(CAB3-VF)

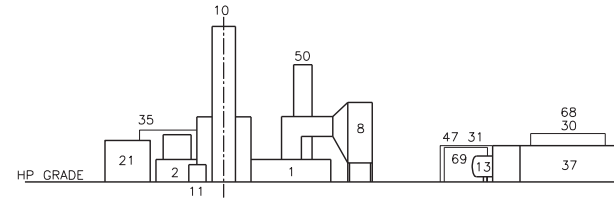


**FIGURE 2.1-1B**  
**Comparison of the Proposed EME Walnut Creek Energy Park (WCEP) General Arrangement to the EME WCEP AFC General Arrangement**  
Walnut Creek Energy Park Modification 1  
Walnut Creek, California

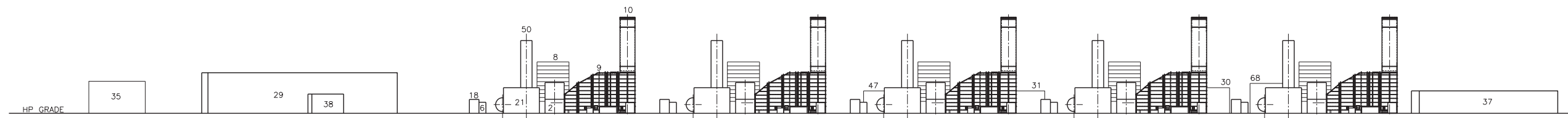
Source: CH2M HILL Lockwood Greene, Dwg. No. P-1001A, Rev. No. A

**LEGEND:**

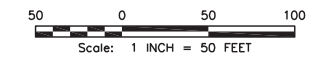
- 1 COMBUSTION TURBINE
- 2 COMBUSTION TURBINE GENERATOR
- 6 COMBUSTION TURBINE COOLING PUMP SKID
- 8 COMBUSTION TURBINE INLET AIR FILTER/EVAP COOLER
- 9 COMBUSTION TURBINE CO/SCR REACTOR
- 10 EXHAUST STACK
- 11 CEMS ENCLOSURE
- 13 AQUEOUS AMMONIA STORAGE TANK
- 21 GENERATOR STEP-UP TRANSFORMER
- 29 COOLING TOWER AND CIRCULATING WATER PUMPS
- 30 RECYCLED WATER STORAGE TANK
- 31 WAREHOUSE/SHOP
- 35 WASTE WATER STORAGE TANK
- 37 GAS COMPRESSOR BUILDING
- 38 COOLING TOWER CHEMICAL FEED BUILDING
- 47 CONTROL/ADMIN BUILDING
- 50 VBV STACK
- 68 FIRE WATER TANK
- 69 FIRE WATER DIESEL PUMP SKID



EAST ELEVATION



SOUTH ELEVATION



**FIGURE 2.1-2**  
**Revised EME Walnut Creek Energy Park**  
**Elevation Drawing**  
 Walnut Creek Energy Park Modification 1  
 Walnut Creek, California

Source: CH2M HILL Lockwood Greene, Dwg. No. P-1002, Rev. No. B

## SECTION 3.0

# Environmental Analysis of Proposed Project Modifications

---

The proposed modifications to the Walnut Creek Energy Park would be limited to minor changes in the locations of several structures and auxiliary equipment within the existing property boundary. As a result, the environmental analysis for most of the environmental disciplines does not differ significantly from that described in the AFC, and the impacts associated with this Petition for Modification would be less than significant. The following environmental disciplines would not differ significantly from the AFC:

- Biological Resources
- Cultural Resources
- Geology and Paleontology
- Hazardous Materials Management
- Land Use
- Socioeconomics
- Soil and Water Resources
- Traffic and Transportation
- Waste Management
- Worker Safety and Fire Protection

For the remaining environmental disciplines, the changes within the existing property boundary pose the possibility of a change to the environmental analysis presented in the AFC. The following sections address the potential significance of changes that could result from the proposed general arrangement modifications. Each section includes a brief discussion of the environmental baseline, followed by a discussion of the environmental consequences of the modified project design, compared with those of the original design. The modifications do not require changes to the Conditions of Certification.

The environmental disciplines are addressed in alphabetical order, as follows:

- 3.1 Air Quality
- 3.2 Noise
- 3.3 Public Health
- 3.4 Visual Resources

## 3.1 Air Quality

This section presents the evaluation of emissions and impacts resulting from the proposed modifications to the general arrangement, as well as the proposed mitigation measures to be used to minimize emissions and impacts below established significance thresholds.

### 3.1.1 Environmental Baseline Information

This Petition for Modification does not require changes to the Environmental Baseline Information as described in the AFC for air quality. There have been no significant changes in ambient air quality or meteorological conditions since the AFC was filed.

WCE proposes to move the WCEP cooling tower approximately 120 feet to the east, which would place it closer to the LMS-100 turbines. To assess the potential for changes to the project air quality and health risk impacts, the new cooling tower location was analyzed with both the Industrial Source Complex Short Term Model (ISCST3) as well as the Hotspot Analysis Reporting Program (HARP). As part of the inputs into both models, the Building Profile Input Program (BPIP) was also used to calculate the revised structure dimensions based on the new location of the cooling tower. No other changes to emissions or source locations are proposed for the WCEP. The revised cooling tower location used in the ISCST3 dispersion modeling analysis is depicted in Figure 3.1-1.

### 3.1.2 Environmental Consequences

In order to determine the potential for a revised magnitude and location of the maximum impacts for each pollutant and averaging period, the ISCST3 model was used to directly compare the potential for changes. Based on output from BPIP, the revised cooling tower location will have minimal effect on the turbine's air quality impacts. Table 3.1-1 summarizes maximum-modeled concentrations for each criteria pollutant and associated averaging periods. The results of the modeling analysis demonstrate that the 1-hour and 8-hour carbon monoxide (CO) concentrations, as well as the annual nitrogen dioxide (NO<sub>2</sub>) concentrations, would decrease with the proposed project modification. All other pollutants and averaging times would have the same impact as previously modeled in the AFC. Similarly, the turbine startup and commissioning activities would result in no changes to the modeled concentrations. Thus, for air quality impacts, no significant changes in air emissions impacts are expected to occur as a result of the change in the cooling tower location. A compact disc containing the modeling input/output files will be submitted under separate cover.



TABLE 3.1-1  
Modeled Maximum Project Impacts

Pollutant	Averaging Time	Maximum Facility Impact ( $\mu\text{g}/\text{m}^3$ )		Total Impact ( $\mu\text{g}/\text{m}^3$ )	State Standard ( $\mu\text{g}/\text{m}^3$ )	Federal Standard ( $\mu\text{g}/\text{m}^3$ )	
		Previous Impact is listed in ( )	Background ( $\mu\text{g}/\text{m}^3$ )				
NO <sub>2</sub>	1-hour	165.92 (165.92)	297	463	470	-	
	Annual	0.804 (0.825)	67.9	68.7	—	100	
SO <sub>2</sub>	1-hour	2.71 (2.71)	52.4	55.1	650	—	
	3-hour	2.56 (2.56)	52.4	55.0	—	1300	
	24-hour	0.856 (0.856)	23.5	24.4	109	365	
	Annual		0.056 (0.056)	8	8	—	80
CO	1-hour	40.32 (43.35)	12,571	12,612	23,000	40,000	
	8-hour	40.09 (40.29)	4,989	5,029	10,000	10,000	
PM <sub>10</sub> <sup>a</sup>	24-hour	6.77 (6.77)	164	171	50	150	
	Annual <sup>b</sup>	0.573 (0.573)	58.1	58.7	30	—	

Notes:

<sup>a</sup>Including cooling tower

<sup>b</sup>Annual Arithmetic Mean

Worst-case one-hour CO and NO<sub>x</sub> impacts are dominated by the emergency equipment.

$\mu\text{g}/\text{m}^3$  = micrograms per cubic meter

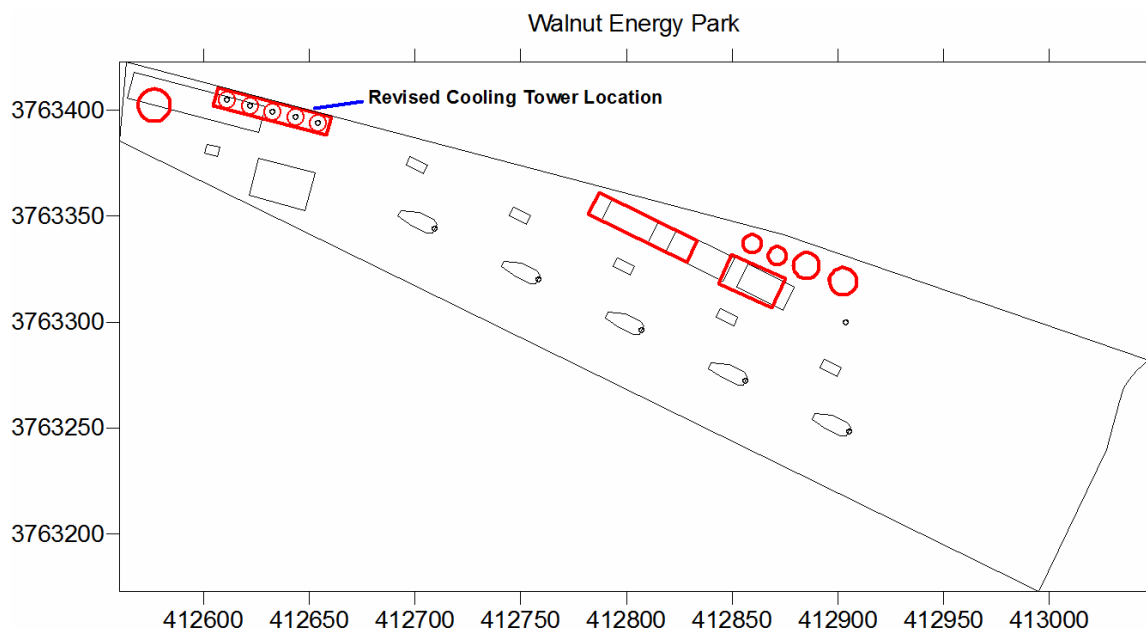


FIGURE 3.1-1  
Revised ISCST3 Building Location Plot

### 3.1.3 Mitigation Measures

No additions to or changes to the mitigation measures are necessary for air quality, for this proposed modification.

### **3.1.4 Consistency with LORS**

The construction and operation of the transmission line, as amended, will conform with all applicable LORS related to air quality.

### **3.1.5 Conditions of Certification**

This Petition for Modification does not require changes to the Air Quality Conditions of Certification.

## 3.2 Noise

The relocation of the cooling tower and gas compressor station will cause no significant increase to the amount of noise generated by the WCEP.

### 3.2.1 Environmental Baseline Information

This Petition for Modification does not require changes to the environmental baseline information as described in the AFC. There have been no significant changes in the location of sensitive receptors or local development that would change the ambient noise environment.

### 3.2.2 Environmental Consequences

The proposed modifications will not create additional sources of noise. The cooling tower and gas compressor building currently represent two of the noise sources associated with the licensed project. Detailed design will ensure the noise emissions from these two relocated units comply with the existing offsite noise levels established in the Conditions of Certification. Therefore, the minor shift in the cooling tower location and the relocation of the gas compressors is not expected to result in significant changes in project noise levels at the residential receptor locations. The addition of the wastewater tank, the combination of the control building with the warehouse/maintenance building, the removal of the recycled chlorination tank, and the addition of five high-side electrical breakers are not expected to impact the noise levels identified in the AFC. Therefore, the proposed modifications will not cause a significant change in the noise impacts in the project vicinity.

### 3.2.3 Mitigation Measures

No mitigation measures are necessary for noise, for this proposed modification.

### 3.2.4 Consistency with LORS

The noise from the project, as modified, will remain below all applicable noise standards.

### 3.2.5 Conditions of Certification

The proposed modifications do not require changes to the Conditions of Certification for noise.

## 3.3 Public Health

### 3.3.1 Environmental Baseline Information

This Petition for Modification does not require changes to the Environmental Baseline Information as described in the AFC. There are no additional sensitive receptors in the project area and there have been no significant changes in terms of local development that would change the number of residents or workers affected by the project.

### 3.3.2 Environmental Consequences

The HARP health risk model was rerun for the proposed cooling tower location. As shown in Tables 3.3-1 and 3.3-2, no significant changes to the risk impacts are expected to occur. For the revised acute and chronic impacts, there is a slight increase, but in all cases, the resulting impacts would remain lower than significance levels. For cancer risk, there is a slight increase in the maximum exposed individual (MEI) resident while there is a slight decrease for the maximally exposed individual (MEI) worker. Therefore, there would be no significant change to the cancer risk at the MEI locations based on the revised cooling tower location. A compact disc containing the modeling input/output files will be submitted under separate cover.

TABLE 3.3-1  
Revised Health Risk Assessment Results

Risk Parameter/Data	MIR/Max MEI	MEI Residential	MEI Worker
Receptor Name	MIR	Near Res	Near Work
Receptor HARP ID	SR017	SR031	SR032
Receptor Output ID	10282	10296	10297
Receptor UTM (meters)	413480/3764940	412423/3763083	413123/3763141
Cancer Risk	6.27 E-7	1.05E-8	1.92E-10*
Chronic HI	0.0125	0.00021	0.000015
Acute HI	0.0636	0.00116	0.000842

MIR = maximally impacted receptor; MEI = maximally exposed individual

\*adjusted value based on the worker factor of 0.187 per the previous submittals dated 10-10-07 and 10-18-07.

TABLE 3.3.2  
Original Health Risk Assessment Results

Risk Parameter/Data	MIR/Max MEI	MEI Residential	MEI Worker
Receptor Name	MIR	Near Res	Near Work
Receptor HARP ID	SR001	SR031	SR032
Receptor Output ID	10266	10296	10297
Receptor UTM (meters)	413480/3764940	412423/3763083	413123/3763141
Cancer Risk	6.27E-7	9.48E-9	1.98E-10*
Chronic HI	0.0124	0.000188	0.0000156
Acute HI	0.0635	0.00105	0.000879

\*adjusted value based on the worker factor of 0.187 per the previous submittals dated 10-10-07 and 10-18-07.

MIR = maximally impacted receptor; MEI = maximally exposed individual

### **3.3.3 Mitigation Measures**

The WCEP impacts on public health with the proposed modifications are less than significant, and will, therefore, not require additional mitigation measures.

### **3.3.4 Consistency with LORS**

The construction and operation of the modified WCEP general arrangement will remain consistent with all applicable LORS related to public health.

### **3.3.5 Conditions of Certification**

The proposed modifications do not require changes to the Conditions of Certification for public health.

## 3.4 Visual Resources

The Commission Decision determined that the WCEP project would not have significant impacts on visual resources. Under the proposed Petition for Modification, the project would relocate several of the structures within the facility boundary that would be visible at key observation point (KOP)-1 and KOP-3. However, the proposed modifications are not expected to have a significant impact on visual resources.

### 3.4.1 Environmental Baseline Information

This Petition for Modification does not require changes to the Environmental Baseline Information as described in the AFC. There have been no significant changes in terms of local development that would change the existing views.

### 3.4.2 Environmental Consequences

The potential impacts resulting from the relocation of the cooling tower and gas compressor building for each KOP are summarized below:

**KOP-1:** As described in the original AFC (WCE, 2005), portions of the cooling tower and the gas compressor building would be visible in the area behind the SCE transmission corridor, and several sets of stacks will be visible behind the transmission towers on the right side of the view. With the proposed modifications, the cooling tower would become slightly more visible but would remain behind an existing SCE transmission tower. The gas compressor building would be relocated to the eastern side of the site and would no longer be visible at KOP-1. Therefore, the visual character and quality of the view would not change significantly with the proposed modifications and would potentially be improved at KOP-1 as a result of the gas compressor building relocation.

**KOP-2:** As described in the AFC (WCE, 2005), the most prominently visible features would be the stacks and selective catalytic reduction (SCR) enclosures. The proposed modifications would not affect the visibility of the stacks and SCR enclosures, and would not increase the visibility of the facility from KOP-2. Therefore, there would be no change in the effect of the proposed project on the character or visual quality of the view as seen from the South Piermont Drive viewpoint.

**KOP-3:** As described in the AFC (WCE, 2005), the project would cause very little net change in the overall level of visual quality, despite the fact that most of the project's facilities will be visible from this area. The proposed modification would relocate the cooling tower and the gas compressor building. However, the change in location would not change the overall conclusion in the original AFC that the project would appear as an orderly complex of individual elements and that the project components are not dominant elements in the view. Therefore, the proposed modifications would not cause a significant change in the visual character or visual quality of the view from the Main Street location.

The remaining modifications to the general arrangement are also expected to have no impact on the overall visual character and quality at the KOPs.

### **3.4.3 Mitigation Measures**

The impacts on visual resources as a result of the proposed modification to the WCEP general arrangement are less than significant, and will therefore not require additional mitigation measures.

### **3.4.4 Consistency with LORS**

The proposed modification to the WCEP general arrangement will remain consistent with all applicable LORS related to Visual Resources.

### **3.4.5 Conditions of Certification**

The proposed modifications to the WCEP general arrangement do not require changes to the Conditions of Certification for Visual Resources.

## 3.5 LORS

The Commission Decision certifying the WCEP project concluded that the project is in compliance with all applicable LORS. The project, as modified, will continue to comply with all applicable LORS.



SECTION 4.0

## Potential Effects on the Public

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This section discusses the potential effects on the public that may result from the modifications proposed in this Petition for Modification application, per CEC Siting Regulations (Title 20, CCR, Section 1769[a][1][G]).

No adverse effects on the public will occur because of the changes to the project as proposed in this Petition for Modification.

SECTION 5.0

# List of Property Owners

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This section lists the property owners in accordance with the CEC Siting Regulations (Title 20, CCR, Section 1769[a][1][H]). A list of property owners whose property is located within 1,000 feet of the proposed facility is included as an attachment. The list is provided in a format suitable for copying to mailing labels.

SECTION 6.0

## Potential Effects on Property Owners

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This section addresses potential effects of the project changes proposed in this Petition for Modification on nearby property owners, the public, and parties in the application proceeding, per CEC Siting Regulations (Title 20, CCR, Section 1769 [a][1][I]).

The project as modified will not differ significantly in potential effects on adjacent land owners, compared with the project as previously proposed. The project, therefore, would have no adverse effects on nearby property owners, the public, or other parties in the application proceeding.

**Attachment**

---

8242 001 018  
ANTONIA GONZALEZ  
16315 FOLGER ST  
HACIENDA HEIGHTS CA 91745

8242 001 019  
MAUNG G WIN  
16321 FOLGER ST  
HACIENDA HEIGHTS CA 91745

8242 001 020  
DONALD V SHORKEY  
16327 FOLGER ST  
HACIENDA HEIGHTS CA 91745

8242 001 021  
SHOU YING TSAI  
16333 FOLGER ST  
HACIENDA HEIGHTS CA 91745

8242 001 022  
DALE D CUMMINGS TRUST  
16339 FOLGER ST  
LA PUENTE CA 91745

8242 001 023  
CARLOS J & LUZ M MOSQUEDA  
16345 FOLGER ST  
HACIENDA HEIGHTS CA 91745

8242 001 024  
JUAN & MARGARITA FIERRO  
16351 FOLGER ST  
HACIENDA HEIGHTS CA 91745

8242 009 001  
HELEN HERNANDEZ  
1104 FIELDGATE AVE  
HACIENDA HEIGHTS CA 91745

8242 009 800,803,804, 8242 012 812,8242 013  
822,823,841,842,8242 016 802, 806, 807, 814,  
8242 028 800,801  
SO CALIF EDISON CO  
16408 GALE AVE  
CITY OF INDUSTRY CA 91745

8242 011 045  
JAMES N FRIZE TRUST  
131 S EL DORADO LN  
ANAHEIM CA 92807

8242 011 047  
JACK L PERRIN TRUST  
1020 BIXBY DR  
CITY OF INDUSTRY CA 91745

8242 011 059  
GALE JULIAN LLC  
PO BOX 320099  
ALEXANDRIA VA 22320

8242 013 002,003,004  
CITY OF INDUSTRY  
15625 STAFFORD ST #100  
CITY OF INDUSTRY CA 91744

8242 013 803, 810, 828, 833, 834, 836,  
837,838,8242 015 812,8242 016 808  
SOU PAC CO S  
16314 VALLEY BLVD  
LA PUENTE CA 91744

8242 013 840  
PAC TRANS CO SOU  
1400 DOUGLAS ST STOP1640  
OMAHA NE 68179

8242 013 900  
L A CO FLOOD CONTROL DIST  
500 W TEMPLE ST #754  
LOS ANGELES CA 90012

8242 013 901  
URBAN DEVELOPMENT AGENCY OF  
15660 STAFFORD ST  
CITY OF INDUSTRY CA 91744

8242 015 039,049,056  
BEAR INVESTMENTS LLC  
16150 STEPHENS ST  
CITY OF INDUSTRY CA 91745

8242 016 023  
SUBURBAN WATER SYSTEMS  
1211 CENTER COURT DR  
COVINA CA 91724

8242 016 058  
VENUS FOODS INC  
770 S STIMSON AVE  
CITY OF INDUSTRY CA 91745

8242 016 061  
ABI PROPERTIES LLC  
935 LAWSON ST  
CITY OF INDUSTRY CA 91748

8242 016 805, 8242 011 809  
UNION PACIFIC R R CO  
1400 DOUGLAS ST STOP1640  
OMAHA NE 68179

8242 026 001  
B & K ELECTRIC WHOLESALE  
1225 S JOHNSON DR  
CITY OF INDUSTRY CA 91745

8242 026 017  
PAN AMERICAN CERAMICS  
16610 GALE AVE  
CITY OF INDUSTRY CA 91745

8242 026 018  
FRANK E RAPER TRUST  
2010 AINSLEY CT  
CARMICHAEL CA 95608

8242 026 048  
16500 GALE LLC  
16500 GALE AVE  
CITY OF INDUSTRY CA 91745

8242 026 049  
JOHNNY LIN FAMILY TRUST  
3408 S FLEMINGTON DR  
WEST COVINA CA 91792

8242 028 001  
CHIA DEVELOPMENT CORP  
PO BOX 307  
WILSONVILLE OR 97070

8242 028 002  
KIM LIGHTING INC  
584 DERBY MILFORD RD  
ORANGE CT 06477

8242 028 003  
CHIA DEVELOPMENT CORP  
9450 SW COMMERCE CIR #110  
WILSONVILLE OR 97070

8242 028 004  
CORPORATE PROPERTY  
ASSOCIATES 6  
50 ROCKEFELLER PLZ #2FLR  
NEW YORK NY 10020

8242 030 001  
PHD PROPERTY  
48900 MILMONT DR  
FREMONT CA 94538

8242 030 002  
EASTGROUP PROPERTIES L P  
PO BOX 23636  
JACKSON MS 39225

8242 030 003  
HUI MARTIN CO TR  
1239 OAKGLEN AVE  
ARCADIA CA 91006

8242 030 004  
CAST PARTS INC  
PO BOX 2348  
POMONA CA 91769

CH2M HILL  
2485 NATOMAS PARK DR #600  
SACRAMENTO CA 95833  
ATTN KEITH MCGREGOR