

## DOCKETED

<b>Docket Number:</b>	15-AFC-01
<b>Project Title:</b>	Puente Power Project
<b>TN #:</b>	215473
<b>Document Title:</b>	Public Health FSA Workshop Presentation
<b>Description:</b>	FSA staff workshop presentations. The Biological Resources, Cultural Resources, Environmental Justice, Land Use, and Traffic and Transportation presentations were made, the others were not.
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California Energy Commission

# Puente Power Project Public Health Final Staff Analysis

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January 10, 2017 Puente FSA Workshop  
Oxnard, CA



# PH FSA Preparation

- ❖ Describe environmental and regulatory setting
- ❖ Detail toxic air contaminants (TACs) information
- ❖ Analyze project's potential human health risks associated with TACs emissions and compliance with LORS, and comments on the PH PSA
- ❖ Identify TACs mitigation measures/ recommend conditions of certification



# PH FSA Conclusions

- ❖ Conclusions did not change from PSA.
- ❖ Project would comply with LORS
- ❖ No significant health impacts from project's toxic air emissions from construction of Puente, demolition of Mandalay Unit 1 and 2, and operation of Puente
- ❖ Staff expanded the analysis of existing health concerns (**Public Health Appendix A**) and Environmental Justice
- ❖ Staff recommended conditions of certification ensure LORS compliance and less than significant impacts



# PH FSA Changes

- ❖ Added an in-depth analysis (**Public Health Appendix A**) of existing health issues in the vicinity including:
  - ❖ Asthma
  - ❖ Chronic Obstructive Pulmonary Disease (COPD)
  - ❖ Valley Fever, and
  - ❖ Cancer



# PH FSA Changes

- ❖ Added the **Environment Justice (EJ)** subsection and used CalEnviroScreen 2.0 :
  - ❖ Exposures in Pollution Burden (Diesel PM, Pesticide, and Toxic Releases from Facilities)
  - ❖ Sensitive Populations in Population Characteristics (Children and Elderly, Asthma ER Visits, and Low Birth Weight Infants)
- ❖ Calculated health risks for the North Shore Development:
  - ❖ Cancer risk (0.347 in one million)
  - ❖ Chronic hazard index (0.000074)
  - ❖ Acute hazard index (0.00472)



## Public Health – FSA

- ❖ Disadvantaged census tracts were determined based on a CalEnviron Screen 2.0 overall score of 75 percent or higher

**Public HealthTable 7  
CalEnviroScreen 2.0 Indicator Percentile Scores**

Census Tract <sup>1</sup>	Total Population	Overall Score Range <sup>2</sup> (%)	Diesel PM (%)	Pesticide Use (%)	Toxic Releases from Facilities (%)	Age: Children and Elderly (%)	Asthma ER Visits (%)	Low Birth Weight Infants (%)
6111004902	5091	96-100	53.95	99.83	61.30	85.80	81.30	74.09
6111009100	5279	91-95	43.86	98.54	69.08	57.47	81.13	75.39
6111004715	5020	91-95	28.91	99.67	88.61	49.23	58.19	81.90
6111003900	7533	81-85	40.74	96.88	77.24	54.93	60.16	44.55
6111004503	4387	76-80	49.82	97.84	96.51	33.04	58.18	78.53

(Source: CalEnviroScreen 2.0 Data, [www1.oehha.ca.gov/calenviroscreen/maps-data/download-data](http://www1.oehha.ca.gov/calenviroscreen/maps-data/download-data))



# PH FSA - EJ Conclusions

- ❖ Public Health impacts would not contribute to disproportionate impacts to the EJ population
- ❖ Public health impacts from the project on the EJ population would be less than significant





# Public Health FSA

- ❖ Staff provides responses to comments
- ❖ Staff recommends conditions of certification (AQ-SC3, AQ-SC4 and AQ-SC5) that would ensure Puente, if built, would be mitigated and operate in compliance
- ❖ Staff does not have any outstanding data or analysis needs