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California Energy Commission

Puente Power Project Air Quality and GHGs- PSA

Jacquelyn Leyva Record



Air Quality – PSA

What is our methodology?

- ❖ Staff does an independent analysis of the proposed Puente Project along with the continued operation of Mandalay Unit 3.
 - Staff evaluates what is reasonably expected to occur.
 - Are Project Setting (background data) + Projects Impacts = less than, or greater than Ambient Air Quality Standards?
- ❖ Pollutants that are non-attainment for the project site are Ozone and Particulate Matter less than 10 microns in size (PM10), not visible to the naked eye.



Air Quality – PSA

Preliminary Conclusions and Recommendations

- ❖ Mitigated construction and demolition impacts would be less than significant,
- ❖ Puento would comply with all applicable **Federal**, **State**, and **District** laws, ordinances, regulations and standards (LORS)
- ❖ For California Environmental Quality Act (CEQA) staff recommends additional mitigation for particulate matter less than 10 microns (PM10) and its precursor of sulfur oxides (SOx) to reduce the project's direct and cumulative Air Quality impacts to a less than significant level.



Greenhouse Gases – PSA

- ❖ Greenhouse Gases (GHGs) pollutants are primarily carbon dioxide, but also include methane, nitrous oxide, and sulfur hexafluoride which ultimately lead to climate change.
- ❖ Puente would provide dispatchable, and fast-ramping power which would help integrate renewable power generation.
 - Reduce the GHG emissions within the Big-Creek Local Reliability Area (Ormond Beach, and Mandalay Generating Stations).
- ❖ Puente is estimated to emit around 296,000 Metric Tons of CO₂ (equivalent) per year.



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Outstanding items

- ❖ Staff has identified the need for additional mitigation for particulate matter less than 10 microns (PM10) and sulfur oxides (SO_x).
 - Staff still needs to identify Ventura County air district programs to benefit the local community, and
 - reduce project impacts to less than significant level.
- ❖ As part of our process, staff will take comments from the applicants, interveners, and the public and incorporate them into the final staff assessment.