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<tr>
<th><strong>Docket Number:</strong></th>
<th>07-AFC-06C</th>
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<tr>
<td><strong>Project Title:</strong></td>
<td>Carlsbad Energy Center - Compliance</td>
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<td><strong>TN #:</strong></td>
<td>203525</td>
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<tr>
<td><strong>Document Title:</strong></td>
<td>PSA Workshop - Air Quality/GHG, dated January 12, 2015 (PowerPoint)</td>
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<tr>
<td><strong>Description:</strong></td>
<td>PowerPoint Presentation</td>
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<td><strong>Filer:</strong></td>
<td>Alicia Campos</td>
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<td><strong>Organization:</strong></td>
<td>California Energy Commission</td>
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<td><strong>Submitter Role:</strong></td>
<td>Commission Staff</td>
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<td><strong>Submission Date:</strong></td>
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Carlsbad Energy Center Project
Petition to Amend PSA
Air Quality/GHG

William Walters, P.E.
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Energy Commission/SDAPCD
Air Quality/GHG Panel

William Walters, Energy Commission Consultant
- Author of PSA Air Quality Section
- Co-Author of PSA GHG Appendix

David Vidaver, Energy Commission
- Co-Author of PSA GHG Appendix

Steve Moore, San Diego Air Pollution Control District
- Senior Engineer/Co-Author of PDOC

Nick Horres, San Diego Air Pollution Control District
- Project Engineer/Co-Author of PDOC
Air Quality – PSA

Evaluate changes relative to approved project:

- Describe environmental and regulatory setting
- Detail air pollutant emissions
- Analyze project’s air pollutant impacts and compliance with LORS
- Identify air pollutant mitigation / recommend conditions of certification

Preliminary Impact Analysis Findings:

- Project would comply with LORS
- Mitigated construction impacts would be less than significant.
- Staff is recommending adequate operating emissions offsets (AQ-SC10).
- Mitigated operation impacts would be less than significant.
- Staff/Air District recommended Conditions of Certification ensure LORS compliance and less than significant impacts.
Air Quality – PSA

Outstanding information required from Petitioner

- None

Remaining issues for FSA Completion

- Completion of FDOC
- Complete and document cumulative modeling analysis for concurrent CECP operation and EPS demolition.
- Finalize staff conditions
- Compile and address petitioner, intervenor and public comments
Air Quality – PSA

Additional Cumulative Air Pollutant Modeling Analysis:

- Augmented SDAPCD CECP start-up modeling input files to include EPS demolition emissions sources.
- Modeling conducted for PM10/PM2.5 and NO₂ emissions impacts.
- Initial cumulative modeling analysis preliminary findings include:
  - PM10/PM2.5/annual NO₂ cumulative impacts are less than significant.
  - Maximum 1-hour NO₂ cumulative impacts beyond fence line have potential to exceed federal 1-hour standard when emergency engines are tested. Impacts are below standard without emergency engines.
- Likely result of analysis is to add staff condition of certification to limit emergency engine testing to hours outside of demolition work hours.
Greenhouse Gases – PSA

Evaluate changes relative to approved project:

- Describe environmental and regulatory setting
- Detail GHG emissions
- Analyze project’s GHG emissions impacts and compliance with LORS
- Identify any recommended GHG emissions conditions of certification

**Preliminary Impact Analysis Findings:**

- Project would comply with GHG LORS
- Project would be required to comply with California Cap and Trade Rule
- Project would conform with the Avenal Precedent Decision
- Project would have less than significant GHG impacts per California CEQA Guidelines.
- Project would be mitigated by various air quality conditions, and condition WASTE-5 that would require construction/demolition waste recycling.
Greenhouse Gases – PSA

Outstanding information required from Petitioner

- None

Remaining issues for FSA Completion

- Completion of FDOC (for continuity of operating emissions estimates)
- Finalize recommended staff conditions, including any revisions that may be needed to augment WASTE-5 to ensure demolition/construction waste recycling in conformance with GHG emissions reduction goals.
- Compile and address petitioner, intervenor and public comments