Nonattainment-Transitional Ozone Plan Review

March 2017 Report to the District Board of Directors

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Presentation Overview

• Air Quality in Santa Barbara County and the 2016 Ozone Plan
• Nonattainment-Transitional Designation
• Control Measures in the 2016 Plan
• Options Considered and Staff Recommendation
• CAC Recommendation
• Next steps
Ozone Air Quality in SB County

State Standard:
  8-hr: 70 ppb
  1-hr: 0.09 ppm

Federal Standard:
  8-hr (old): 75 ppb
  8-hr (new): 70 ppb
Ozone Air Quality in SB County

Exceedance days – State Ozone Standard

Monitoring Sites
- Carpinteria
- El Capitan
- Gaviota
- Goleta
- Las Flores Canyon
- Lompoc HS&P
- Lompoc H Street
- Paradise Road
- Santa Barbara
- Santa Maria
- Santa Ynez
- Vandenberg AFB

Santa Barbara County
Air Pollution Control District
Nonattainment-Transitional

2016 Ozone Plan identified a potential change in designation from *nonattainment* to *nonattainment-transitional*

- Happens if we have 3 or fewer exceedance days
- Finished the 2016 ozone season with very few exceedances:

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of days exceeding the state 8-hr ozone standard</th>
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<tbody>
<tr>
<td>2011</td>
<td>3</td>
</tr>
<tr>
<td>2012</td>
<td>5</td>
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<tr>
<td>2013</td>
<td>3</td>
</tr>
<tr>
<td>2014</td>
<td>10</td>
</tr>
<tr>
<td>2015</td>
<td>2</td>
</tr>
<tr>
<td>2016</td>
<td>3</td>
</tr>
</tbody>
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- State will finalize nonattainment-transitional designation soon
What does Nonattainment-Transitional mean?

- Required to:
  - Reevaluate the control measure implementation schedule
  - Conduct additional analysis before implementing control measures
  - Board action on implementation schedule
Control Measures in the 2016 Plan

• Stationary source control measures
  – Three focused on NOx reductions in combustion units
  – Three focused on ROC reductions from solvents and coatings

• Existing permit program, BACT and offset requirements, and adopted rules remain in place
Revise the Schedule?

Careful consideration of:

• Air quality trends
• Emission inventory and forecast
• Adopted and proposed measures
• State and Federal efforts
• Air Quality plans for other districts
Schedule Options

Three options were included in a report that was forwarded to the CAC for review.

• Stay with the 2016 Ozone Plan schedule
• Proceed with NOx measures only; shift ROC measures to contingency status
• Delay all measures until next plan cycle (2019)
Staff Recommendation

Retain NOx control measures, move ROC measures to contingency status.

- Our mission is to protect public health
- Prioritize NOx reductions
- Generates reductions over the life of the new equipment
- Uncertainty over new state and federal initiatives
- Avoid exceeding the federal standard
February 8, 2016 CAC Meeting

- Staff prepared a report, gave a presentation, and presented the three options for CAC consideration.
- CAC discussed these options and added another option:
  - Retain all of the control measures, but shift the implementation schedule for three of the measures out to 2020: large boilers (NOx), solvent cleaning for wood coatings (ROC), and graphic arts (ROC)
- Ultimately, CAC voted in favor of the staff recommendation.
Next Steps

Bring the

2016 Ozone Plan Stationary Source Control Measure Implementation Schedule

to the District Board, along with justification document