The Gateway Cities AQAP Project Update

Advisory Roundtable

November 14, 2011
<table>
<thead>
<tr>
<th>Technical Tasks</th>
<th>Status</th>
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<tbody>
<tr>
<td>Comm. Medical Needs Assessment</td>
<td>Completed</td>
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<tr>
<td>I-710 Near Roadway Modeling</td>
<td>Completed</td>
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<tr>
<td>I-710 Ultrafines</td>
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<tr>
<td>Air Quality Protocol</td>
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<tr>
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## Remaining Tasks

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AQAP Toolkit Development Process

Compendium Update → Early Actions → AQAP Toolkit Development

AQ/HRA Protocol → Emission Inventory → AQ/HRA

AQ Strategies → Hot Spot Assessment

Sources
Traffic (includes I-710)
Industry
Rail
Ports
Powerplants etc.

Notes:
CSP - I-710 Construction Staging and Phasing
Ultra - Ultrafine Research
CMIA - Community Medical Needs Assessment
HIA - Health Impact Assessment
AQAP 12 Month Outlook

Nov-Dec 2011
- Peer Review Methodology

Jan-Mar 2012
- Early Action Projects
- HIA Peer Review

Apr-June 2012
- Develop and Prioritize High Priority Measures
- Define High Priority Air Quality Measures

July-Sep 2012
- Analysis of Impact of Potential New Measures
- Meeting to review technical analyses
- Meeting to provide feedback on toolkit measures.

Oct-Dec 2012
- Development of Air Quality Action Plan
AQAP Task Updates
I-710 Health Impact Assessment

- HIA Work Product produced
- Transmitted to Caltrans for informational purposes only
- Additional roundtables ongoing to further review recommendations
- Peer review process under development.
Early Action Support

- Completed evaluation of status of Early Action Items
- Initiated Research on remaining Early Action Implementation.
- Conducted Workshop with PDs and PWs
- Initial Findings in January
Quantitative Air Quality Analysis

- Baseline emissions developed from AQMD data
- Currently updating with 3rd party measures for years 2009, 2023, 2035
- Developed meteorological inputs for AQ modeling
Health Risk Assessment

- Methodology developed through HRA working group.
- Inventory and dispersion modeling underway.

- Develop HRA
- Develop AQ forecasts 2009, 2023, 2035
- Develop inputs into HRA modeling (Dec)
- Compare health impacts in 2008, 2023, 2035. (June)
- Evaluate effectiveness of potential new measures (Dec 2012)
- Include in Air Quality Analysis Report (Jan 2013)
Analysis of Potential New Air Quality Measures

- Initial 3rd party measures identified as part of compendium update
- Underway: reviewing list and including potential new 3rd party measures in modeling
- Next steps: develop list of new measures, quantify in modeling, evaluate effectiveness
- Potential new measures presented to committees in second half of 2012.
HIA Peer Review Process
The I-710 Health Impact Assessment Peer Review

- HIA work product completed on November 8.
- Methodology and scope of work underway
- Possible output: companion report of peer review comments and roundtable feedback (Feb).

- Complete HIA Work Product
- Develop Peer Review Methodology & Scope of Work
- Choose Peer Review Coordinator (Nov)
- Assemble Peer Review Panel (Nov)
- Conduct peer review (Jan/Feb)
- Submit peer review to Caltrans as a companion to the HIA (Feb)
Thank You

Questions or Comments?