CLEAN CONSTRUCTION EQUIPMENT CALL FOR PROJECTS

Regional Transportation Council
November 10, 2011

Shannon Stevenson, Program Manager
Air Quality Planning and Operations
Transportation Department
CALL FOR PROJECTS - OVERVIEW

Structure
Competitive Call for Projects for Public and Private Sector

Funds Available
~$617,715 Environmental Protection Agency (EPA) Funds
$140,831 from 2008 Award (Expires December 31, 2011)
$476,884 from 2010 Award (Expires March 31, 2012)

Eligible Activities
Equipment Replacements, Repowers, and Retrofits
EPA-Verified Engines/Technologies

Additional Eligibility Requirements
Operate a Majority of Time in Nonattainment Area
Commit to 6-Year Activity Life
Exceed Normal Fleet Attrition Schedule (Replacements)
Adopt Clean Fleet Vehicle Policy (Public Sector)
Follow Federal Procurement Requirements
EVALUATION CRITERIA

Quantitative Assessment

Cost per Ton Nitrogen Oxides (NO\textsubscript{x}) Reduced
Cost per Ton Particulate Matter (PM) Reduced
Cost per Gallon Gasoline/Diesel Reduced
Cost per Ton Carbon Dioxide (CO\textsubscript{2}) Reduced

Qualitative Assessment

Partnership
Feasibility/Risk
Strategic Program Goals

Note: Quantitative Assessment is Primary Consideration
**SUMMARY OF APPLICATIONS**

<table>
<thead>
<tr>
<th>Applicant</th>
<th>Project Description</th>
<th>Amount Requested</th>
</tr>
</thead>
<tbody>
<tr>
<td>Big City Crushed Concrete, L.P.</td>
<td>Replace 2 Backhoe Loaders</td>
<td>$25,392</td>
</tr>
<tr>
<td></td>
<td>Replace 2 Excavators*</td>
<td>$184,677</td>
</tr>
<tr>
<td></td>
<td>Replace 2 Wheel Loaders*</td>
<td>$256,400</td>
</tr>
<tr>
<td>Quality Excavation, Ltd.</td>
<td>Replace 1 Excavator</td>
<td>$59,480</td>
</tr>
<tr>
<td>Total</td>
<td>7 Activities</td>
<td>$525,949</td>
</tr>
</tbody>
</table>

*The purchase of 1 excavator and 1 wheel loader cannot be completed before the implementation deadline and are ineligible for funding.*
## FUNDING RECOMMENDATIONS

### Fully Fund All Eligible Activities

<table>
<thead>
<tr>
<th>Applicant</th>
<th>Project Description</th>
<th>Total Project Cost</th>
<th>Total Recommended Award</th>
<th>Cost Per Ton NO$_x$</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Big City Crushed Concrete, L.P.</strong></td>
<td>Replace 2 Backhoe Loaders</td>
<td>$101,572</td>
<td>$25,392</td>
<td>$102,457</td>
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<tr>
<td></td>
<td>Replace 1 Excavator</td>
<td>$388,327</td>
<td>$97,081</td>
<td>$35,291</td>
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<tr>
<td></td>
<td>Replace 1 Wheel Loader</td>
<td>$647,432</td>
<td>$161,858</td>
<td>$192,716</td>
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<tr>
<td><strong>Quality Excavation, Ltd.</strong></td>
<td>Replace 1 Excavator</td>
<td>$237,923</td>
<td>$59,480</td>
<td>$11,358</td>
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<tr>
<td><strong>Total</strong></td>
<td>5 Activities</td>
<td>$1,375,254</td>
<td>$343,811</td>
<td></td>
</tr>
<tr>
<td><strong>Balance Remaining</strong></td>
<td></td>
<td></td>
<td></td>
<td>$273,904</td>
</tr>
</tbody>
</table>
Total Project Benefits

• Non-Road Construction Equipment
  ▫ 5 Pieces of Equipment

• Emissions Reductions
  ▫ Total NO\textsubscript{X} Reduced 9.08 Tons
  ▫ Total PM Reduced 0.0472+ Tons
  ▫ Total CO\textsubscript{2} Reduced 4,625.37 Tons

• Petroleum Displacement
  ▫ Total Gallons Displaced 69,450 Gallons
NEXT STEPS

- Remaining Balance: $273,904
- Call for Projects Re-Opened October 20, 2011
  - Competitive Evaluation and Recommendation in Monthly Intervals
  - Application Deadline First Friday of Every Month
  - Call Closes Friday, January 6, 2012, or When All Funds Are Exhausted, Whichever Comes First

- Pursue Extension If Needed
  - EPA Approval Required
  - Potential Call for Projects Extension
FOR MORE INFORMATION

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