

**Technology
Advancement
Program**



San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

Request for Proposals Workshop

September 25, 2012



HEALTHY AIR LIVING™

Live a Healthy Air Life!

Clean Air Technology Initiative

September 25, 2012



United States
Environmental Protection Agency



California
Air Resources Board



South Coast
Air Quality Management District



San Joaquin Valley
Air Pollution Control District

Clean Air Technology Initiative

- Established to focus investments in new technologies to combat the worst air quality
- U.S. EPA, California Air Resources Board, South Coast and San Joaquin Valley Air Districts and CA Energy Commission



United States
Environmental Protection Agency



California
Air Resources Board



South Coast
Air Quality Management District



San Joaquin Valley
Air Pollution Control District

- Showcase areas in San Bernardino, Ports of LA and Long Beach and San Joaquin Valley
- Tie advanced, future technologies to air quality goals

Goals of the Clean Air Technology Initiative

- Accelerate development, demonstration and deployment of new, clean technologies
- Showcase technologies in these two locations in California
- Foster local economic development
- Create green jobs and local economic growth

Technology Development & Deployment

Advance Technologies Through:

- Assessing emission sources and setting aggressive goals
- Provide sustainable and innovative funding
- Promote projects and encourage replication
- Support rulemaking to help create technology markets
- Encourage additional public-private partnerships



Additional Information

epa.gov/region9/cleantech

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Technology Advancement Program Demonstration Projects

Request for Proposals
Workshop

September 25, 2012

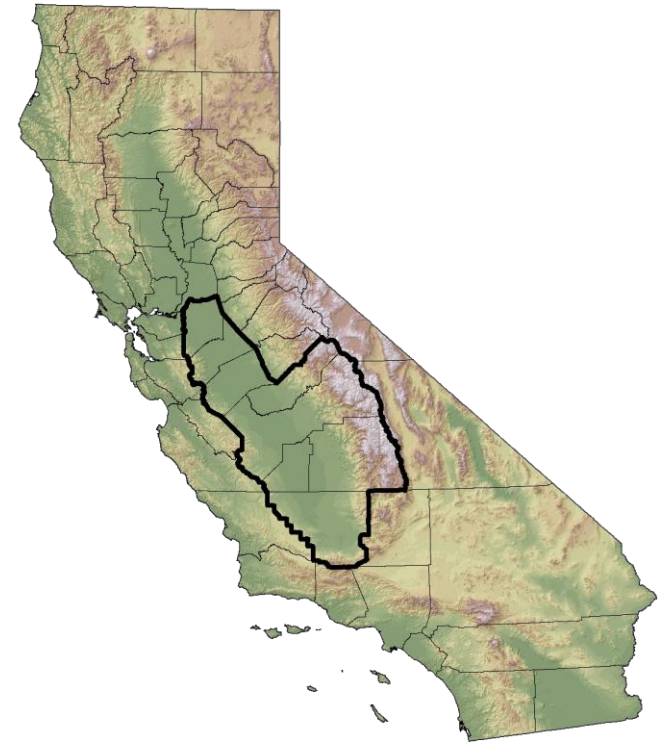


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The San Joaquin Valley

- Eight-county region:
 - Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, and Tulare
- San Joaquin Valley Air District has jurisdiction over 25,000 square mi
- 4.1 million people with high growth rate (4.7 million by 2020)
- Significant air quality challenges



San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT



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Valley Air Quality Challenge

- The Valley experiences unique and significant difficulties in achieving EPA's increasingly stringent standards
- Not many available or foreseeable opportunities remaining for new control measure commitments
- Existing standards already require long-term, “black box” (unknown) measures
- Technology advancement will be necessary to achieve necessary reductions
 - Meeting the current standard requires 75% reduction in emissions
 - New standards will require another 80–90%
 - Transformative measures require significant investment in new technology and time



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Program Timeline

- Technology Advancement Program adopted March 18, 2010, establishing District's strategic approach to technology advancement
- First request for proposal (RFP) issued June 3, 2010, and 6 projects were selected for funding
- Second RFP issued July 5, 2011, and 12 projects were selected for funding
- Third RFP issued September 11, 2012



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Schedule

- September 11, 2012 – Release of RFP
- September 25, 2012 – RFP Workshop
- October 18, 2012 – RFP Closes
 - No later than 5:00pm
- 1st Quarter 2013 – Review and Selection of Approved Projects



Funding Information

- \$4,000,000 million allocated for RFP
 - \$3.5 million in local funds identified in the 2012-2013 budget for technology advancement
 - \$500,000 provided by EPA through Clean Air Technology Initiative partnership
- Funding anticipated for 8 – 12 projects



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Focus Areas

- **Renewable energy** projects will focus on overcoming the barriers that prevent the use or adoption of zero-emission renewable energy sources or reduce emissions from renewable energy systems to make them cleaner than comparable non-renewable alternatives.
- **Waste solutions** projects will focus on waste systems or technologies that minimize or eliminate emissions from existing waste management systems and processes, including waste-to-fuel systems, such as dairy digesters and other bio-fuel applications.
- **Mobile sources** projects will demonstrate zero- or near-zero-emissions solutions to mobile source categories with emphasis on goods and people movement, off-road equipment, or agricultural equipment.



Proposal Format

- All applicants should submit 1 complete hard copies of the proposal
- Additionally, applicants should submit an electronic copy in searchable PDF form (no more than 3 files)
- A proposal will be immediately rejected if it is:
 - Received late
 - Not in the prescribed format
 - Does not include completed district forms, including original signature on application cover sheet



Evaluation Criteria

(100 points total)

35%	Relevance to SJV plans
15%	Co-benefits
15%	Technology Cost-Effectiveness
15%	Program Funding Required and Resource Leveraging
10%	Building Capacity at Local Colleges and Universities
10%	Project Readiness

* Projects should be capable of being put into operation within one year of execution of the grant agreement



District Contacts

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Questions or Comments



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