

Technology Advancement Program (TAP)

**Central Valley Summit on
Alternatives to Open Burning of Agricultural Waste
November 7-8, 2017**

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District's Technology Advancement Program

- Coordinated/collaborative process that engages technology developer and end-users through:
 - Grant funding for projects in the Valley through competitive process
 - Integration of technology advancement goals into existing grant programs
 - Comprehensive outreach to identify potential technology and demonstration partners
 - Ongoing review and feedback on new technologies
 - Building partnerships with other agencies
 - Building local capacity for research and development in Valley
- Focus on areas critical to Valley's attainment goals
 - PM2.5 and NOx emissions reduction technologies
 - Renewable energy, waste solutions, and mobile sources



Pursuing Alternatives to Open Burning

- TAP has provided 4 Requests for Proposal with 130+ proposals received, 34 projects approved by District, and over \$11 million in funding approved
 - Multiple successful demonstrations
 - Limited number of projects that provide alternatives to open burning
- Demonstrated ultra-low NOx biogas engines meeting ARB NOx emission standards for distributed generation systems
 - Allow systems to qualify for Small Generator Incentive Program incentives to improve economic feasibility
- Ongoing search and support for alternatives to open burning
 - Include evaluation for potential District funding, assist project proponent in obtaining other grant funding, and provide letters of support
 - Examples include innovative uses of biomass (conversion of biomass into biofuel) and advancement of biogas for vehicle fuel usage



District Primed for Funding

- Purpose of today's summit is to help identify potential projects that provide clean alternatives to open burning of agricultural waste
- Hoping to get some Valley projects that provide alternatives to open burning started soon with federal, state, public, and private partners
- Next TAP Request for Proposals opening soon in next few months (will consider projects on an ongoing basis)
- District Governing Board prioritized research funding to develop pathway for ag biomass to be used as fuel to produce clean energy

Additional Information

- More information on District's Technology Advancement Program:
<http://valleyair.org/grants/technologyadvancement.htm>
- Email Contact: chay.thao@valleyair.org