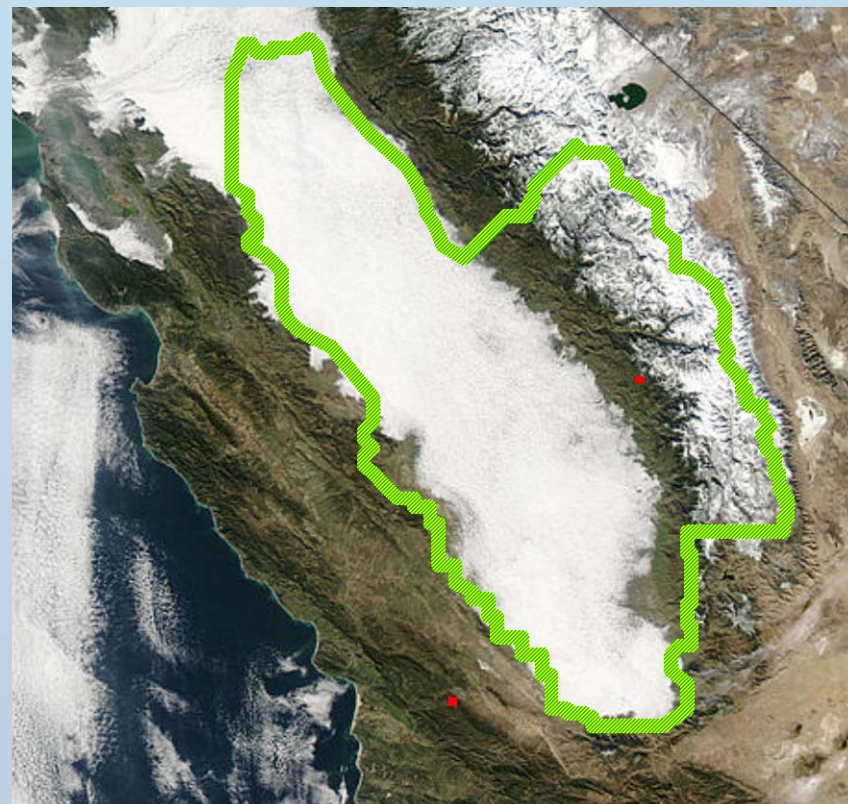


# Funding Opportunities for Organic Residual-to-Clean Energy Projects

Pacific Southwest Organic  
Residuals Symposium  
15September2010

# Natural Environment & Air Quality

- Hot, dry climate
- Stagnant weather patterns
- “Temperature inversions” that act as a lid on the Valley
- Bowl-shaped topography created by surrounding mountains





# San Joaquin Valley APCD

- NO<sub>x</sub> as a primary focus
  - Extreme Nonattainment for Ozone
  - Nonattainment for PM<sub>2.5</sub>
- District's role
  - Develop attainment strategies
  - Develop rules
    - 500 rules and rule amendments since 1992
- Incentives for Emission Reductions
  - More than \$100 million this year



# Technology Advancement Program

- Adopted by the District's Governing Board March 18, 2010.
  - Authorized funding for the program's first request for proposals
- Established initial technology focus areas
  - Area I: Renewable Energy
  - Area II: Waste to Energy
  - Area III: Mobile Sources



# TAP: Establishing Partnerships

- With innovators
  - *letters of support*
  - *grant writing assistance*
  - *collaborative grant applications*
- With higher education
  - *expanding capacity for research in the Valley*
- Interagency cooperation

# Clean Air Technology Initiative

- Collaborative Initiative by four agencies
  - U.S. Environmental Protection Agency
  - California Air Resources Board
  - South Coast AQMD
  - San Joaquin Valley APCD
- Focus on specific regions
  - San Bernardino
  - Southern Valley



# Other Funding Opportunities

- Technology Advancement Program
  - Ongoing proposal submittals
- USDA
  - Biorefinery Assistance Program
  - Renewable Energy Feasibility Grants
- California Energy Commission
  - Alternative And Renewable Fuel And Vehicle Technology Program
- Future funding opportunities



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