



# VALLEY AIR NEWS

A monthly publication of the San Joaquin Valley Air Pollution Control District - October 2015

## Electrified dairy feeding operation is latest technology advancement project

The Technology Advancement Program (TAP) is the Valley Air District's strategic approach to encouraging innovation and development of new emission reduction technologies.

The goal of the TAP is to support technology development in critical areas which will assist the San Joaquin Valley in meeting stringent air quality goals.

"Despite major reductions in emissions, the Valley continues to face difficult challenges in meeting federal air-quality standards," stated Seyed Sadredin, the Executive Director / Air Pollution Control Officer of the Valley Air District. "It is virtually impossible for the Valley to attain the new standards for ozone and particulates without these significant advancements in low-emission technologies through TAP projects."

Through the Clean Air Technology Initiative, the Environmental Protection Agency (EPA) provides annual funding to support the Air District's Technology Advancement Program.

The Initiative seeks to align available resources and research efforts to accelerate the demonstration and deployment of advanced clean air technologies in California's San Joaquin Valley and South Coast air basins, the only two extreme ozone nonattainment airsheds in the nation. Through this partnership, the EPA and the Valley Air District are able to implement a variety of innovative

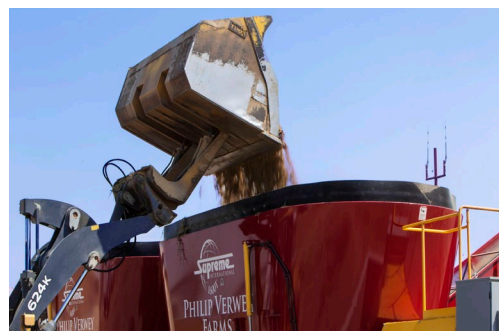
clean air technology demonstration projects.

The latest TAP project, located at Verwey Farms in Hanford, replaced higher polluting diesel powered equipment with clean, electric powered equipment in the dairy feed-mixing process. This project is replacing a total of four heavy-duty diesel tractors with electric feed mixing equipment and will result in annual estimated emission reductions of:

- Nitrogen oxides (NOx) by 22 tons annually,
- Fine particulate matter (PM2.5) by 2.2 tons annually,
- Hydrocarbons (volatile organic compounds-VOCs or Reactive Organic Gases-ROG) by 1 ton, and
- Carbon dioxide (CO2) by 648 tons.

The project will also conserve over 90,000 gallons of diesel fuel annually. The total cost of this project is \$1,145,782 with the Valley Air District providing \$300,000 through the TAP, funded in part by the EPA. Verwey Farms is incurring the remaining \$845,782.

For more information on the TAP and other District incentive programs, visit: <http://valleyair.org/grants/>.



## Ready for the season?

Valley residents who own and register their EPA certified wood/pellet stoves and inserts can burn more often than residents with open fireplaces or older wood stoves.

EPA certified wood stoves/inserts and pellet-fueled devices emit only a fraction of the particulate matter pollution compared to more-polluting wood-burning devices such as open-hearth fireplaces and non-certified stoves.

Here are the resources Valley residents can utilize to learn about the Check Before You Burn Program and registering your wood-burning device:

- [www.valleyair.org/rule4901](http://www.valleyair.org/rule4901)
- [www.valleyair.org/CBYBregistration](http://www.valleyair.org/CBYBregistration)

Although residents with no natural gas service or whose only source of heat is wood burning, are exempt from the Check Before You Burn Program, all Valley residents are encouraged to participate in the Burn Cleaner Program. This incentive provides significant funding to upgrade to a cleaner wood, pellet or natural gas device. More info. on Burn Cleaner: [www.valleyair.org/BurnCleaner](http://www.valleyair.org/BurnCleaner).

