



# EMBRACING HYBRID TECHNOLOGY

## RTD: Hybrid History

RTD has been proactive in adopting technology that improves the quality of our community. It is because of RTD's ongoing commitment to our region and its unique environment that RTD is replacing its current fleet with hybrid buses.

Hybrid buses use less fuel and significantly minimize air emissions, which in turn reduces the environmental impact to our land and water. As a result of replacing its older fleet with hybrid buses, RTD has seen fuel economy increase by about 30%.

In October 2004, the San Joaquin Regional Transit District (RTD) rolled out its first low-emission hybrid buses to San Joaquin County residents.

In August 2006, RTD celebrated the rollout of the newest additions to its hybrid bus fleet. These newest buses were the first to be delivered to a hybrid bus consortium of transit agencies, spearheaded by RTD, to boost purchasing power and reduce per-vehicle costs through mass ordering. The consortium purchased 157 GM hybrid-powered buses, one of the largest group purchases to date. RTD currently has 33 hybrid buses, comprising 30% of its fleet.

## RTD: Environmental Partner

Environmentally speaking, hybrids provide two major benefits: low emissions and reduced fuel consumption. The hybrid buses produce significantly lower emissions due, in part, to the smaller diesel engine used to power them:

- Carbon Monoxide (CO) is reduced up to 90%
- Hydrocarbons (HC) are reduced up to 90%
- Particulate Matter (PM) is reduced up to 90%
- Oxides of Nitrogen (NOx) are reduced up to 90%

The San Joaquin County community has long recognized RTD for its corporate responsibility to the environment. RTD has received many environmental awards: three from TOPPS (Targeted Opportunities to Prevent Pollution in San Joaquin County), including their "P3-Premier Pollution Preventer" Award. In 2005, the San Joaquin Council of Governments recognized RTD with one of its Regional Excellence Awards for its first two hybrid buses.



REV20080602