



VALLEY METRO

GREEN BY DESIGN

Green By Design

Valley Metro is involved with a variety of initiatives to help enhance air quality and protect the local environment. From reducing greenhouse gases to improving fuel usage, we are working to be a better partner in preserving nature and our local surroundings.



71.04 million passengers

Regional Transit Ridership
(July 2011-June 2012)

- Average daily boardings: 237,646
- Bus only: 195,721
- Light rail only: 41,925



Taking transit to work one day a week saves 13 pounds of pollution per month or 143 pounds per year.



A "Green" Bus Fleet

- Most Valley Metro buses use Compressed Natural Gas (CNG) or Liquefied Natural Gas (LNG) fuel
- New hybrid electric diesel buses have been added to the fleet, helping to reduce fuel usage
- Our buses fueled by diesel are clean-burning with particulate soot traps to collect harmful pollutants
- Newer buses use an environmentally friendly, high capacity air conditioning system refrigerant that has been designed for our hot desert summer temperatures
- Our wireless, paperless inspection system on buses saves 158,000 sheets of paper annually
- Our bus fan retrofit system helps to extend fuel mileage



New Express Buses

- Powered by CNG
- Seats are made from recycled plastics and bottle caps
- Equipped with Wi-Fi



LINK Bus

- Three doors speed boarding and alighting to save on energy costs



Valley Metro Light Rail Vehicles

50 Fifty vehicles in the fleet, each with a comfort capacity of 175 passengers, provide state-of-the-art technology and are customized for the desert climate.

- Powered by electricity, the vehicles are low-emissions
- All of the body paint and window tint is solar reflective
- Car bodies are insulated to reduce cooling loss
- Interior bicycle racks encourage cyclists to use the system



35% of light rail passengers are "first time choice riders" with access to a car, removing 10,300 cars off of the road daily and an annual carbon emission savings of 23.2 million pounds.



Green Facilities

Our Operations and Maintenance Center is designed for maximum efficiency with seasonal and work/non-work hour adjustments of lighting, heating and cooling.

The Center's irrigation level is regulated by climatic conditions and has a window design that admits glare-free light, little to no heat gain and most face north or south.



A water reclamation process is in place for washing most bus and light rail vehicles.



A solar-cooled light rail station in downtown Phoenix provides air conditioning to passengers during the warmest days of the year.



Superstition Springs Transit Center has a living or landscaped roof to help give a cooling effect.

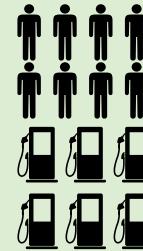


Climate-sensitive bus stations along the LINK routes have a very unique structure that maximizes shade, keeping passengers cool during summer's hottest days.



Rideshare

SharetheRide.com is an easy way for commuters to find transportation solutions online and help employers track commute savings.



ShareTheRide.com by the numbers for 2012:

- 14,432 - number of active users as of June 30, 2012
- 5,200 - number of people who found someone to share the ride
- 12 million - number of miles commuted through shared rides
- \$1.2 million - amount of gas money saved
- 7 million - number of pounds of greenhouse gas emissions saved



374 Valley Metro vanpools help save 5 million drive alone miles in one month.



An average daily commute in the Valley is now 32 miles and for every 48.7 miles traveled, one pound of pollution is saved.



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