



Environmental Savings Summary

Emissions (Pollution) Reduction

| Energy Efficiency Projects | | annual kWh savings | KWh | Customers | kWh/Customer |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|--------------------------|---------------------------------------|-------------|------------------------------------|
| | | 459,792 | 5,638,900 | 5,270 | 1,070 |
| Air Pollution | Saved this much Carbon Dioxide (CO ₂) from being emitted: | 276.1 Metric tons | or 608,673 pounds | or | 304 tons |
| | Saved this much Nitrogen Oxides (NOX) from being emitted: | 0.192 Metric tons | or 424 pounds | or | 0.21 tons |
| | Saved this much Sulfur Dioxide (SO ₂) from being emitted: | 0.174 Metric tons | or 384 pounds | or | 0.19 tons |
| | Saved this much Carbon Monoxide (CO) from being emitted: | 0.134 Metric tons | or 295 pounds | or | 0.15 tons |
| | Saved this much Total Suspended Particulants (TSP) from being emitted: | 0.024 Metric tons | or 52 pounds | | |
| | Saved this much Volatile Organic Compounds (VOC) from being emitted: | 0.007 Metric tons | or 15 pounds | | |
| | Total | 276.6 | 609,842.919 | | 305 |
| Toxic Metals Pollution | Saved this much Mercury (Hg) from being emitted: | 3,628 mg. | or 0.008 pounds | or | 0.13 ounces of Hg |
| | Saved this much Cadmium (Cd) from being emitted: | 165 mg. | or 0.000 pounds | or | 0.01 ounces of Cd |
| | Saved this much Lead (Pb) from being emitted: | 5,369 mg. | or 0.012 pounds | or | 0.19 ounces of Pb |
| These projects effectively planted | | 7,093 | trees or | 355 | acres of forest in Austin's parks. |
| Or | | | | | |
| These projects effectively removed | | 619,884 | Vehicle Miles or | 52.9 | cars from Austin's busy roadways. |
| Or | | | | | |
| These projects effectively provided electricity to | | 41 | average Austin residences for a year. | | |
| <ol style="list-style-type: none"> Source of Emissions data: "Delta Emissions", a combined effort of Lauer, Muraya, and Breeze (rev.1/18/07). Revised: Muraya 2009 Average residence (homes and multi-family) consumption: 11,300 kWh for Austin, a combined effort of Muraya, and Glenn Moore (rev.12/20/07). 23.2 lbs C/tree or = 0.039 metric ton CO₂ per urban tree 10 year survival rate. http://www.epa.gov/cleanenergy/energy-resources/refs.html#vehicles 5.23 metric tons CO₂Eq/vehicle/year at 11,720 miles/year. http://www.epa.gov/cleanenergy/energy-resources/refs.html#vehicles | | | | | |
| Water conservation at generation power plant (evaporation only) | | 206,906 | Gallons | | |
| Water conservation if air conditioning and cooling tower exists | | 359,624 | Gallons costing | \$ | 3,474 |

Source of water conservation data: Bill Hoffman City of Austin Water and Waste Water Utility (rev. 06/20/07).