Generator Upgrade at New Correctional Facility

- Part of the $100 million air quality package
- Project Ask -- $1,620,000*
- Serves the new correctional facility; area in non-attainment zone
- Upgrade the programmed Tier 2 backup generators to Tier 4 backup generators
    - 161 total lifetime tons of emissions reduced
    - 5.36 tons of emissions reduced annually
- Calculations based on 200 hours of operation per year; any additional failover use increases emissions saved and reduces cost/lifetime ton
- $10,075/lifetime ton**
    - 8th out of 15 air quality initiatives in terms of emissions reduced
    - 6th out of 15 in cost per lifetime ton of emissions reduced

*Project ask is the differential amount between the current budgeted Tier 2 generator and superior significantly cleaner Tier 4 generator.

**Measurement used to normalize value among all air quality initiatives

State Generator Replacement

Department of Administrative Services

This project upgrades four Tier 2 backup diesel generators to Tier 4. Tier 4 is the highest available emission standard for diesel engines.

Breakout:

- Correctional Facility
  - # of Generator Upgrade: 4
  - Generator Upgrade: Tier 2 to Tier 4
  - Total Cost: $1.6 million
  - Total Lifetime Tons Saved: 161
- Total Project Cost: $1,620,000