The Pittsdelphia route must continue to maintain EPA standards while still being cost effective.

2. Results
Plan is to update current fleet to Tier 3 EPA requirements by installing upgraded intake cooling methods.

3. Upgrade
Cost: $850,000 per train (cheapest)
- Emissions output of upgraded trains is greater than other options
- Marginal benefits of upgrading is better than other options.

4. Outcome
By reducing the cylinder temperature with upgraded technology, we can reduce NOx emissions.

Tier 3 trains will produce 5.5 NOx and 0.1PM, which is significantly less than the existing tier 2 trains.