

# Air Quality Evaluation Parameters



### **Computer Models Used**

- Emissions and Dispersion Modeling System (EDMS)
- CAL3QHC Roadway Intersection Dispersion Model
- MOBILE Motor Vehicle Emissions Program
- NONROAD Off-road Engine Emissions Program

#### **Inventory**

- Aircraft
- Aircraft delay and taxi statistics
- Auxiliary power units (APU)
- Ground support equipment
- Boilers
- Fuel storage tanks
- Aircraft Rescue and Fire Fighting (ARFF)
- Construction
- Roadways & parking facilities

## **Model Inputs**







### **Concentrations**

- Emissions inventory data
- Airport layout plan (ALP)
- Runway utilization
- Taxiway assignments
- Gate assignments
- Annual weather data
- Receptors



# | Construction Engineers | Description | Property | Property | Aprenty Standards | Property | Prope

Emissions Inventory (Tons per Year)

#### **Model Outputs**



**Sample Receptor Locations** 



Dispersion Analysis (Parts per Million)