# Airport Emissions Inventories

## Obstacles and Overcoming Them

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# Airport Emissions Inventories - Obstacles

- Basic Data
  - Facility Name
  - Identifying Code(s)
  - Location
  - Operational Status – Open vs. Closed

- Landing and Take-Off (LTO) Data
  - Collected from FAA by aircraft type for all FAA towered airports, and used as modeling inputs. No LTO data from non-FAA towered airport. Default estimates assigned by FAA.
- Ground Support Equipment (GSE) Data.
- Rely on EPA for this data.

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# What we've seen:

- Airports assigned to the wrong state or county.
- FAA location ID reassigned, resulting in two airports with the same ID. Site ID becomes useful.
- Closed facilities still in EPA data; existing facilities not in EPA data (ex: USMA).
- Satellite image showing airport in improbable location:
  - Middle of a lake; forest; apple orchard.
- Result: We develop our own internal database by updating EPA data.

# Data Sources

- AirportIQ™ 5010 database: www.gcr1.com/5010WEB/
- PilotNav: www.pilotnav.com/
- AirNav: https://www.airnav.com/airports/
- FAA IDs:
  - Location code (ex: ALB)
  - Site ID (ex: 14789.*A)
- Google satellite maps
  - Street address
  - Geographic coordinates
- Phone call to the airport

# **Thank You**

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