



JOHN WAYNE
AIRPORT
ORANGE COUNTY

Presentation to:
**South Coast Air Quality
Management District
Airports Mobile Source Working
Group Meeting #3**

July 18, 2019

John Wayne Airport, Orange County



- **Owned & operated by County of Orange**
- **503 acres**
- **Two runways**
 - ✓ 5,700 feet
 - ✓ 2,887 feet (general aviation)
- **Thomas F. Riley Terminal**
 - ✓ 20 gates (loading bridge)
- **\$6 Billion to the local economy**



Settlement Agreement 2014

- **Million Annual Passengers (MAP)**

- ✓ Phase 1: **10.8** MAP through December 31, 2020

- ✓ Phase 2: **11.8** MAP from January 1, 2021 through December 31, 2025

- ✓ Phase 3:

- **12.2** MAP from January 1, 2026 through December 31, 2030 if *less* than 11.21 MAP is served in one calendar year between January 1, 2021 and December 31, 2025, **OR**;

- **12.5** MAP from January 1, 2026 through December 31, 2030 if *more* than 11.21 MAP is served in one calendar year between January 1, 2021 and December 31, 2025



Settlement Agreement 2014

- **Average Daily Departures (ADDs)**
 - ✓ Maximum of **85** Class A ADDs for passenger service through December 31, 2020
 - ✓ Maximum of **95** Class A ADDs for passenger service from January 1, 2021 through December 31, 2030
 - ✓ **4** Class A ADDs designated for priority allocation to all-cargo service through December 31, 2030. Two of these may be allocated for passenger service. Historically, 2 all-cargo service Class A ADDs are requested and allocated to the cargo carriers.



Air Quality Improvement Plan

Key Elements

- **Description of Measures and Initiatives**
 - ✓ Measure and Target Emission Reductions
 - ✓ Initiatives
- **Mobile Source Inventory Associated with the Initiatives and Measures**
 - ✓ Description of Inventory and Calculation Protocols
 - ✓ Baseline 2017 Emissions
- **Emissions Benefit Summary for 2023 and 2031**
 - ✓ Forecast: Business as Usual
 - ✓ Forecast: with Implemented Measures
- **Implementation and Progress Assessment**



DRAFT For Review



Emission Sources Evaluated by JWA

- **Direct Control**

- ✓ JWA Fleet: licensed on-road vehicles, unlicensed vehicles and equipment owned by JWA
- ✓ Contract fleet: parking lot shuttles

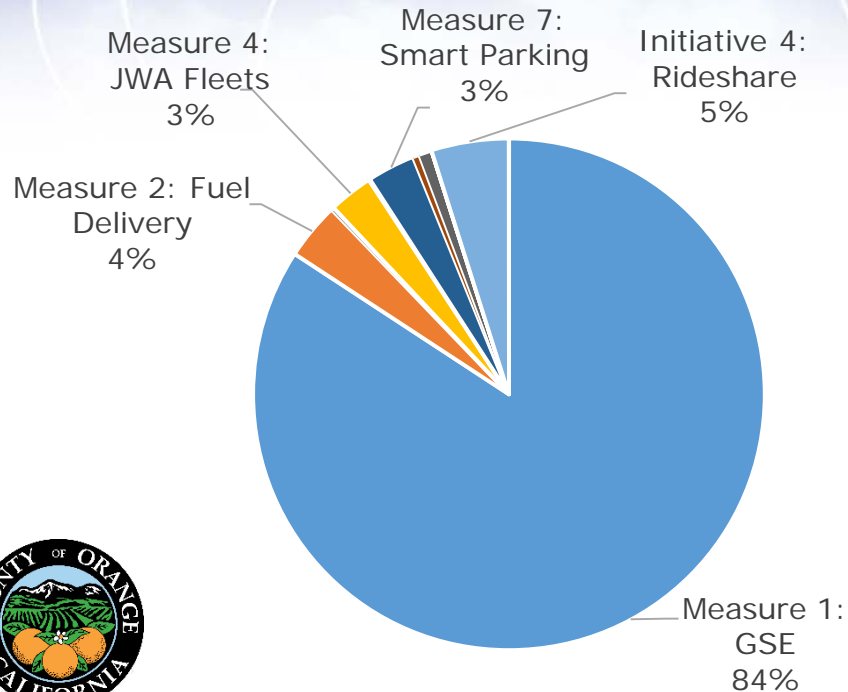
- **No Direct Control**

- ✓ Vehicles owned/contracted by airlines
- ✓ Ground support equipment (GSE) and fuel trucks
- ✓ Permit vehicles: limousines, shuttles, buses, taxis, transportation network companies (TNCs)
- ✓ Rental cars, delivery vehicles
- ✓ Personal vehicles owned by passengers, tenants and concessionaires; JWA employee vehicles
- ✓ Construction vehicles

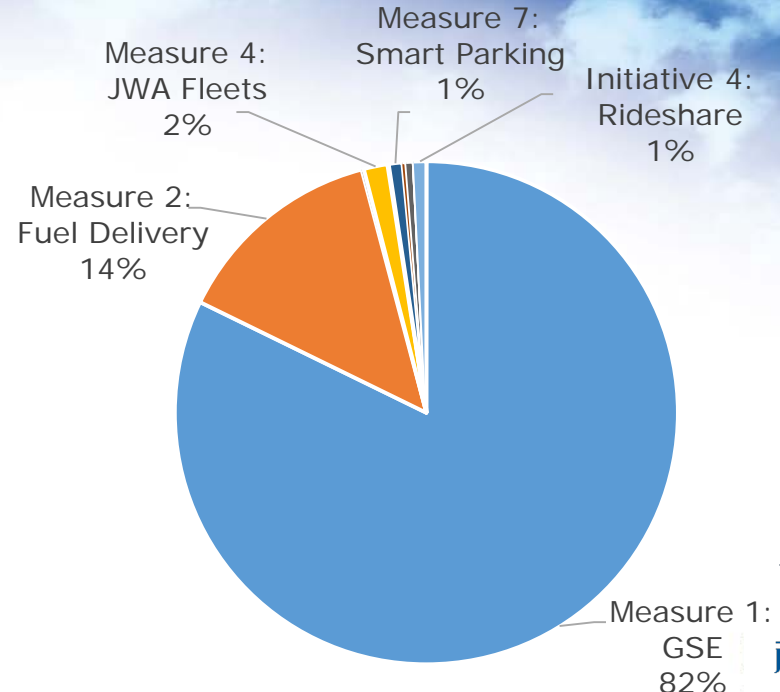


Airport-related Emissions (2017 Baseline)

JWA ROG Emissions



JWA NOx Emissions



JWA Measures Under Development

- **Measure 1: Ground Support Equipment (GSE)**
 - ✓ Annual gr/bhp-hr fleet-wide target
- **Measure 2: Jet Fuel Delivery Trucks**
 - ✓ Eliminate routine truck trips upon startup of new pipeline system
- **Measure 3: Concessions Nighttime Delivery Policy**
 - ✓ Delivery during least congested traffic time
- **Measure 4: JWA Owned Vehicle Clean Fleet Policy**
 - ✓ Cleaner, alternative fuel or electric upon replacement
- **Measure 5: Parking Shuttle Bus Electrification**
 - ✓ Early progressive electrification of shuttle buses



JWA Measures Under Development (Cont.)

- **Measure 6: Clean Construction Program**
 - ✓ Tier 4 off-road engine emission standards
- **Measure 7: Smart Parking Features**
 - ✓ Lighted parking spaces, pay-on-foot, credit card entry/exist
- **Measure 8: Congestion and Passenger Vehicle Reduction**
 - ✓ Cell phone and taxi waiting lots
- **Measure 9: TNC Vehicle Miles Traveled Reduction Policy**
 - ✓ Designated location and re-matching



JWA Initiatives Under Development

- **Initiative 1: Taxi Clean Fleet Policy**

- ✓ Contract terms for progressively cleaner vehicle replacements

- **Initiative 2: Electric Vehicle Charging Infrastructure**

- ✓ Addition of chargers in parking lots, as demand dictates

- **Initiative 3: Passenger Transportation Mode Shifts**

- ✓ Continuing coordination with OCTA and mass transit links

- **Initiative 4: Orange County Employee Rideshare Program**

- ✓ Promote OC Rideshare program incentives



Monitoring and Reporting

- **JWA will monitor the progress towards each Measure and Initiative**
 - ✓ Quarterly internal status reports
 - ✓ Annual tabulations
- **Annual reports shall be provided to SCAQMD**
 - ✓ Status of achieving Measures goals
 - Corrective measures (if any)
 - ✓ Progress on Initiatives
 - ✓ Changes or updates to Measures or Initiatives
 - ✓ Items that may not have been covered in the AQIP (if any)



AQIP MOU Approval Process

- **Public Comment**
 - ✓ SCAQMD Working Group Meetings
 - ✓ Airport Commission Meeting
 - ✓ Board of Supervisors Meeting
- **Adoption of AQIP/MOU**
 - ✓ Airport Commission: Recommendation
 - ✓ Orange County Board of Supervisors: Adoption



For more information:

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