

Airports MOU

Working Group Meeting #1



Thursday, February 28th, 2019

1:30 p.m. - 3:30 p.m.

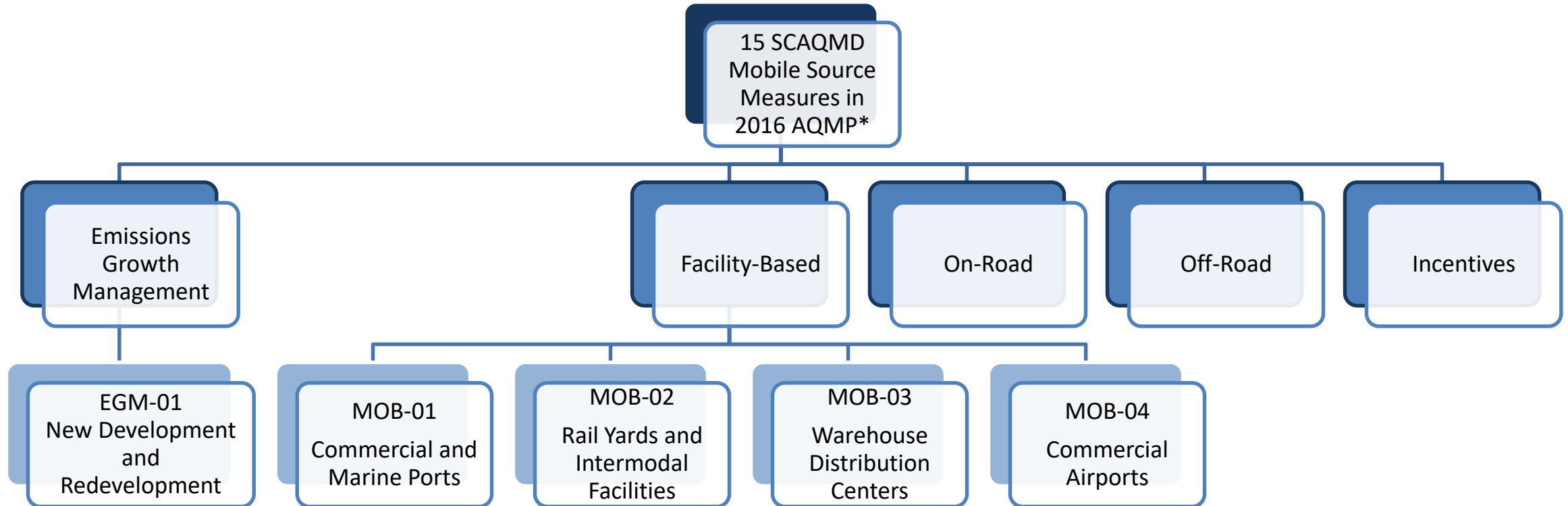


Today's Agenda

1. Introductions
2. SCAQMD's Update on Airports MOU Development
3. Airports Update on AQIP/MOU Development
4. Next Meeting – April 26, 2019



Facility Based Mobile Source Measures (FBMSM)



* 2016 Air Quality Management Plan was adopted in March 2017

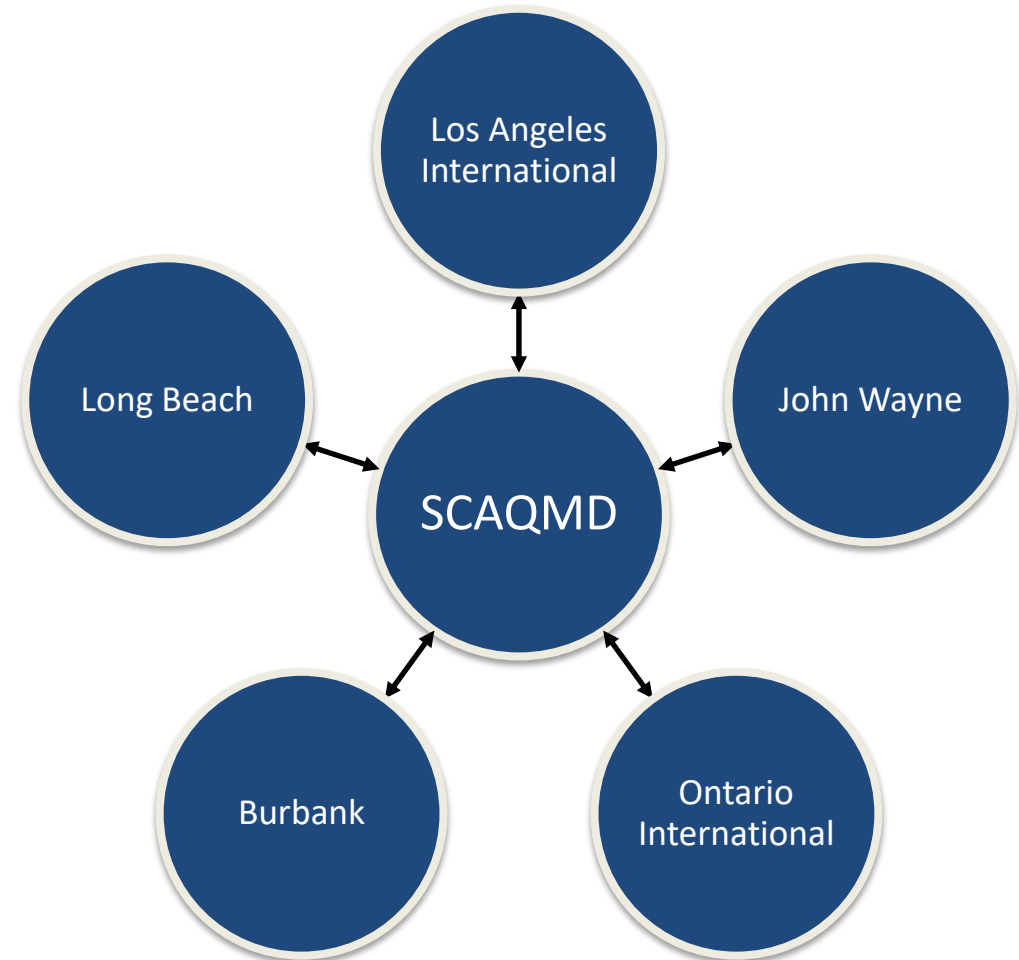
SCAQMD Governing Board's Direction (May 2018)

Sector	Direction
Airports	Pursue MOUs to implement airport clean air action plans (non-aircraft airport sources)
Ports	Pursue MOUs to implement specific CAAP measures; Pursue introduction of cleaner vessels
New/Redevelopment	Continue to work with stakeholders to develop rule concepts and preliminary costs/benefits
Warehouses	Develop rule concept; Conduct economic impacts study to inform rule concept
Rail yards	Pursue rulemaking; Explore potential for new agreements/MOUs beyond the 1998 and 2005 agreements

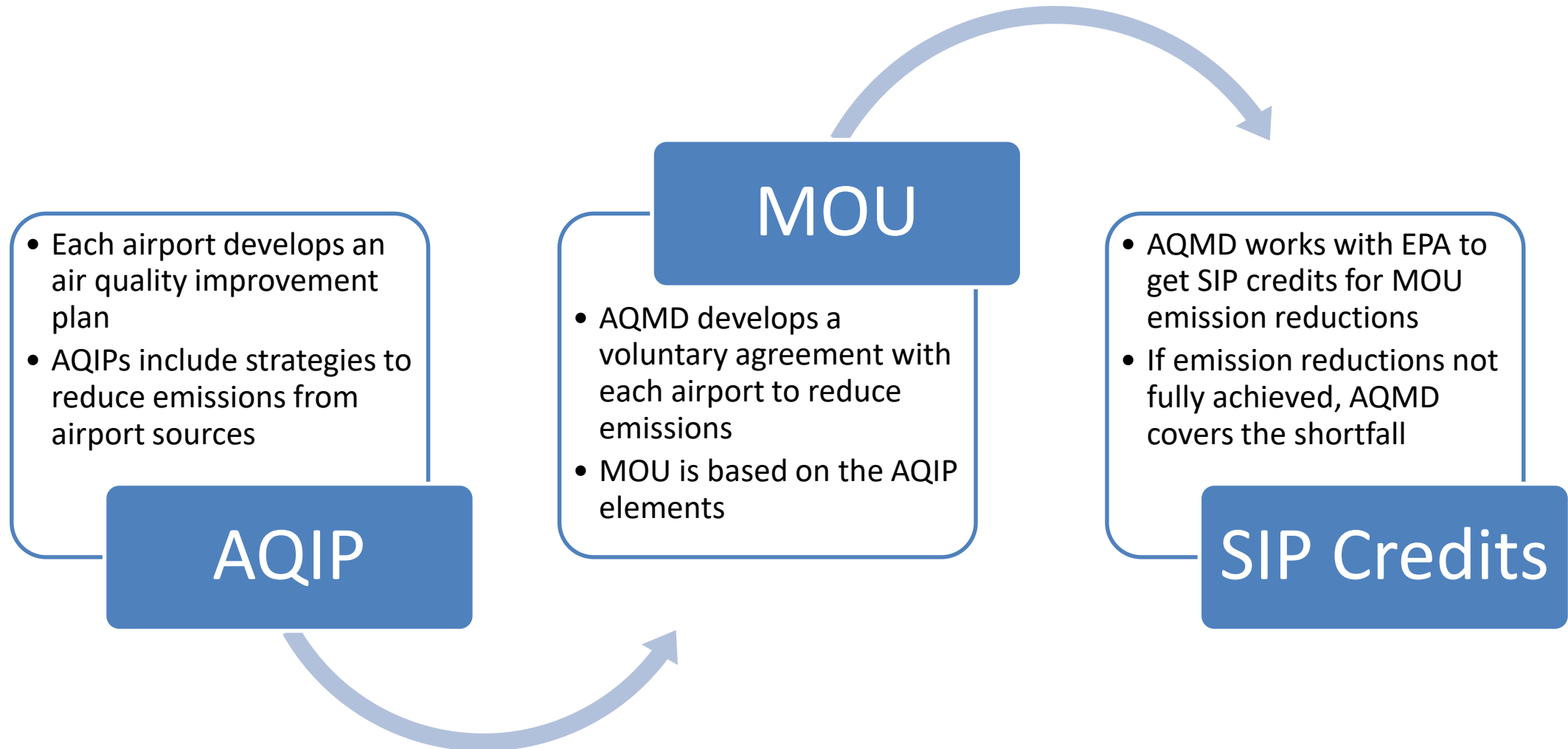


Memorandum of Understanding (MOU)

- Voluntary agreement between SCAQMD and each individual commercial airport to achieve emission reductions
 - MOU reductions form the basis for SCAQMD making commitments to EPA
- Five commercial airports in SCAB (current consideration)



SCAQMD-Airports MOU Approach



SCAQMD – Airports MOU Process

LAX

- AQIP development and adoption by each respective airport authority through its own public process

SNA

- MOU development through SCAQMD public process

BUR

- Working group meetings
- Updates to SCAQMD’s Mobile Source Committee/Governing Board
- Public workshop/consultation meeting

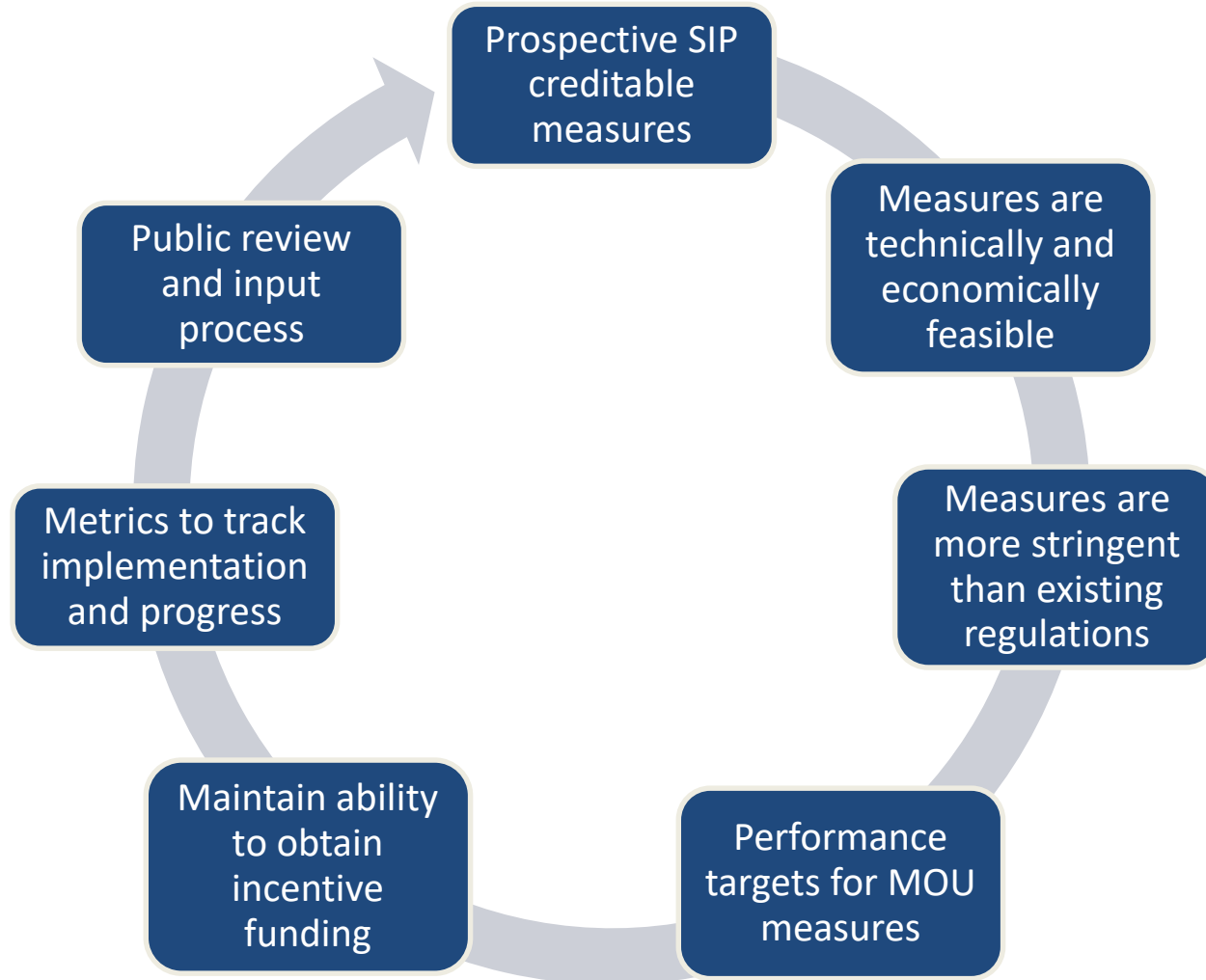
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LGB

Each MOU subject to approval by the airport authority and SCAQMD Governing Board



MOU Key Principles



SIP Creditable Emission Reductions

- Significant emission reductions needed for attainment demonstration of federal Ozone and PM2.5 standards
- MOU reductions to be “SIP” creditable toward attainment demonstration must satisfy EPA’s requirements
 - Integrity elements
 - Permanent, quantifiable, surplus, and enforceable
 - Enforceable commitment (to ensure reductions are achieved)
 - Technical analysis
 - Tracking/reporting requirements
 - Public involvement



MOU Framework: Commitments

Airports



- Implementing and enforcing AQIP/MOU measures and initiatives
- Emission reduction or performance targets for AQIP/MOU measures
- Tracking/Monitoring progress of AQIP implementation
- Reporting requirements

SCAQMD



- Quantify SIP creditable emission reductions (2023, 2031)
- Enforceable commitments for reductions (address any potential shortfalls through collaborative process)
- Establish metrics to track implementation progress
- Public access and disclosure

AQIP Emissions Inventory

- Non-aircraft mobile source emissions associated with airport operations which are under direct or indirect airport control
 - Ground support equipment (GSE)
 - On-road vehicles (i.e., trucks, shuttles, buses, passenger cars)
 - Off-road equipment/vehicles
- Aircraft emissions can also be quantified to present a complete picture of airports' overall operations (optional)



AQIP Measures

- Airports encouraged to evaluate and develop programs and strategies for reducing emissions from all their AQIP sources
- Potential AQIP/MOU Measures
 - Specific requirements for sources under airport's direct control
 - Voluntary incentive programs to accelerate turn over of vehicles and equipment
 - Infrastructure improvement projects
 - Others



SCAQMD's Airports Emission Reduction Program

- SCAQMD's staff report for submittal to EPA through CARB
- Based on Airports MOUs
 - SIP creditable AQIP measures agreed to in the MOUs
- Include necessary documentation to satisfy EPA's requirements
 - Quantification of SIP credits in 2023 and 2031
 - Integrity Elements
 - AQMD's enforceable commitment
 - Implementation tracking process
 - Public disclosure mechanism



Status Update

- All five commercial airports committed to MOU approach
- Preliminary discussions and meetings with representatives from five commercial airports and California Airports Council (CAC) on MOU framework and emission calculation methodologies
- Airports in the process of developing respective Air Quality Improvement Plans (AQIPs)

Upcoming CARB Regulations Affecting Airports



Proposed Zero-Emission Airport Shuttle Regulation

- Requires zero-emission airport shuttles beginning in 2027 (33%) to 2035 (100%)
- First Public Hearing: February 21, 2019
- Second Public Hearing: May 2019



Zero-Emission Airport Ground Support Equipment (GSE)

- Goal of 100% ZE GSE by 2032
- Proposed requirement still under discussion among stakeholders
- Public Hearing: to be determined

Overall Timeline

Item	Date	2019												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Airports AQIP/MOU Development and Adoption	May 2018 - Nov 2019													
SCAQMD Mobile Source Committee	February 15, 2019													
Airports MOU Working Group Meeting #1	February 28, 2019													
Airports MOU Working Group Meeting #2	April 26, 2019													
SCAQMD Mobile Source Committee	June 21, 2019													
Airports MOU Working Group Meeting #3	June 19, 2019													
Draft SCAQMD's Airports Emission Reduction Program Staff Report*	July 2019													
SCAQMD Airports MOU Public Consultation Meeting	August 22, 2019													
AQIP/MOU Adoption by each Airport's Board	August/September 2019													
Airports MOU Working Group Meeting #4	September 25, 2019													
SCAQMD Governing Board - Set Hearing	October 4, 2019													
SCAQMD Mobile Source Committee	October 18, 2019													
SCAQMD Governing Board - Public Hearing and Adoption	November 1, 2019													
CARB Governing Board Adoption & Submittal to EPA	December 2019													

* with draft MOUs attached.



Next Steps

- Airports continue working on their respective AQIPs
- SCAQMD staff available to assist airports with AQIP developments (emissions inventory and measures) and meet with all stakeholders
- Draft MOU template being developed
- Next working group meeting on April 26, 2019
 - Updates from airports on AQIP developments
 - Draft MOU language