

The Gateway Cities
Air Quality Action Plan

Gateway Cities Air Quality Action Plan Overview

Gateway Cities Service Council
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AQAP 101 Briefing Agenda

I. What is the AQAP?

II. What is the AQAP “Toolkit”?

III. How will Toolkit Measures be Implemented?

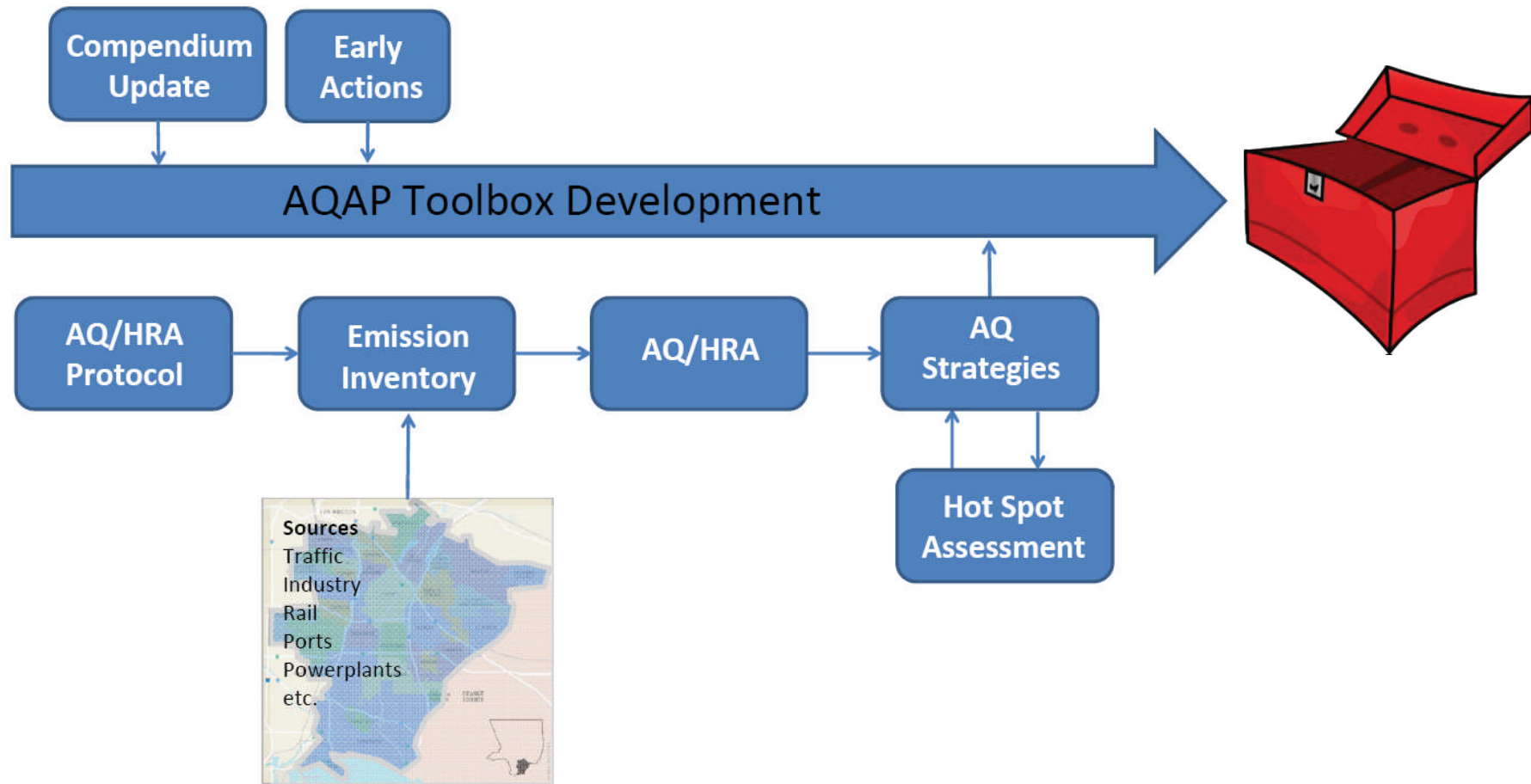
What is the AQAP?

The AQAP is a COG-wide plan that utilized a COG-specific

- Compendium of Reduction Measures
- Emissions inventory (2008, 2023, 2035)
- Air Quality Model, and
- Health Risk Assessment to

Develop a plan (toolkit) to further improve air quality throughout the COG

What is the AQAP?



What is the AQAP Toolkit?

Toolkit components

- Compendium Measures
- Early Action Items
- New Measures

What is the AQAP Toolkit?

Compendium Measures

- Update to 2007 Compendium of Strategies
- 154 Strategies in total
 - 106 have been fully implemented
 - 31 have been partially implemented
 - 17 have not been implemented
- Result: updated list of strategies that can be implemented

What is the AQAP Toolkit?

Early Action Items - examples

- Local ordinances to reduce truck idling
- Conditional use permits for new warehouses or warehouses seeking modifications
- Green construction equipment and construction activity requirements
- Building retrofits to reduce exposure of sensitive populations

What is the AQAP Toolkit?

New Measures will be described in terms of:

- Emissions Impacts
- Costs
- Cost effectiveness
- Jurisdictional control
- Implementation mechanisms and barriers
- Timing

What is the AQAP Toolkit?

New measures for Trucks – possible examples

- Further acceleration of programs to upgrade drayage trucks to cleaner trucks
- Provide incentives for purchase of zero-emission electric trucks
- Develop alternative-fuel infrastructure for trucks (natural gas or electric charging stations)
- Implement a heavy-duty truck inspection and maintenance (I&M) program

What is the AQAP Toolkit?

New measures for Rail – possible examples

- Additional incentives and/or regulation to deploy ultra low-emitting switcher locomotives at railyards
- Use incentives and/or regulation to accelerate deployment of Tier 4 line-haul locomotives in Southern California
- Develop a zero-emission rail system (e.g., electrified rail or linear induction motor system)

What is the AQAP Toolkit?

New measures for Ports – possible examples

- Continue to electrify rubber-tired gantry cranes
- Accelerate International Maritime Organization (IMO) NOx standards for ships
- Upgrade dredges and dredge infrastructure to support electric dredges
- Accelerate electrification of berths with shore power/cold ironing

What is the AQAP Toolkit?

New measures for Industry – possible examples

- Modernize process and pollution control equipment
- Convert external combustion sources (industrial and commercial boilers) to fuel cells
- Electrify small natural gas boilers and heaters
- Promote facility modernization in terms of energy efficiency and renewable energy
- Improve stringency of refinery flaring restrictions under AQMD Rule 1118

What is the AQAP Toolkit?

Why a new toolkit?

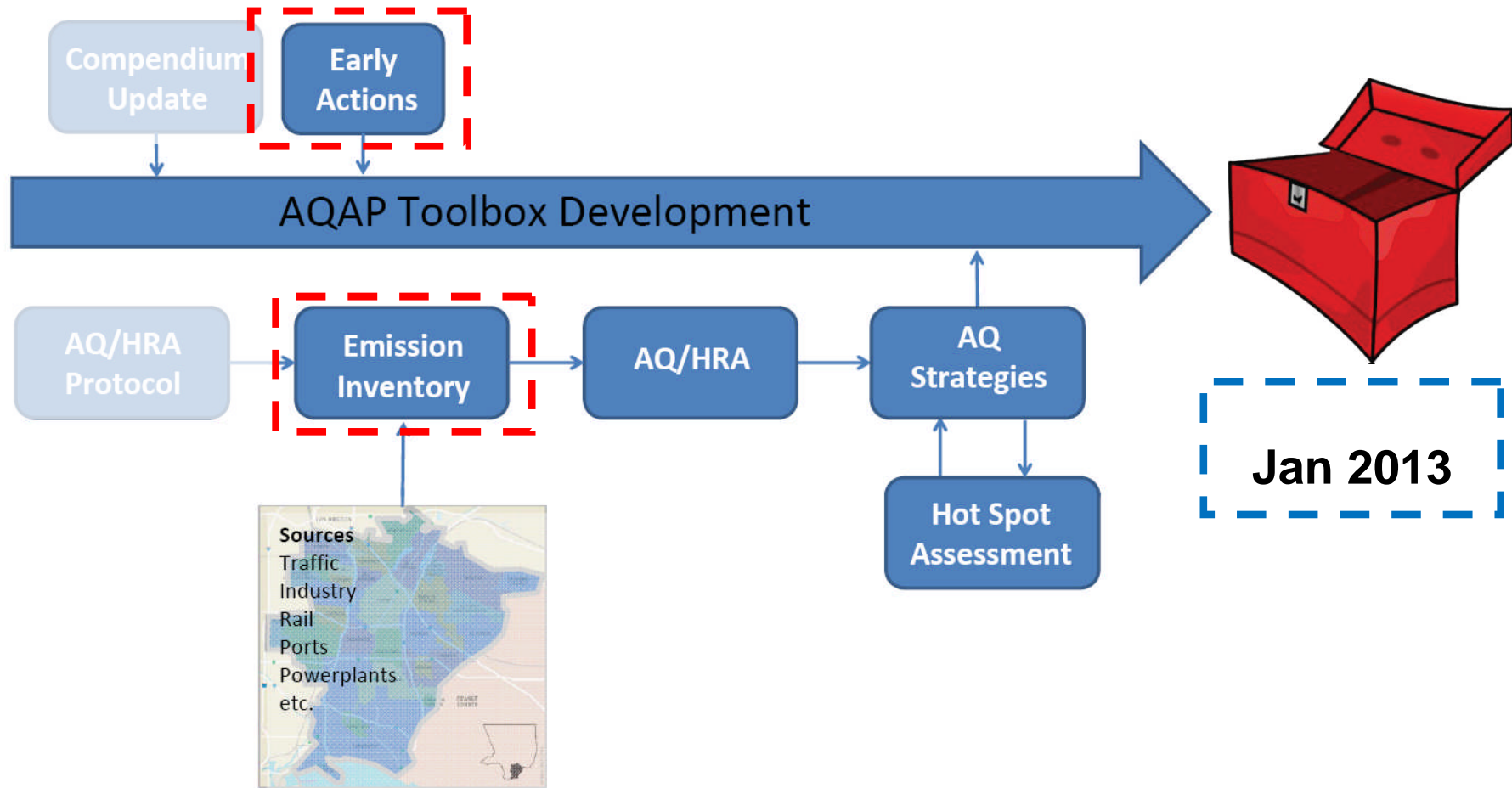
Existing resources can be supplemented because:

- New rule and regulations are changing the baseline
- Need to focus on what will be sources of air pollution in the future
- Need to identify actions for local gov'ts vs. regulators
- Need to address all emissions sources

How will “Toolkit” Measures be Implemented

- Partnerships and constituency development underway as part of the AQAP
 - Multiple local, regional, state, federal stakeholders engaged in the development process
- COG/Metro public participation brings support, consensus, collaboration to toolkit measures.
- Toolkit designed to include:
 - Strategies that GCCOG members can implement to improve air quality in their communities.
 - Regional / state strategies that GCCOG members can advocate for.

Next Steps



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Thank you.
Questions or comments?

www.metro.net/gcaqap