

2010 Implementation Status of Committed Measures in the MAG 2007 Five Percent Plan for PM-10

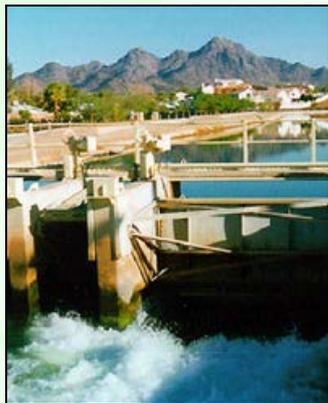
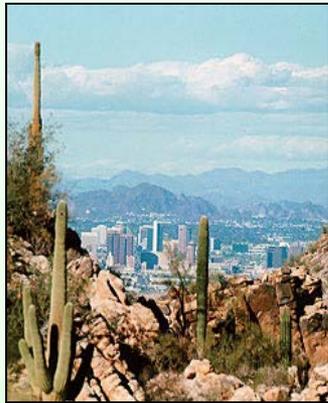
**Air Quality
Technical Advisory Committee**

April 26, 2012

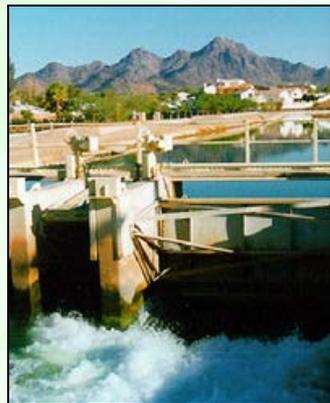
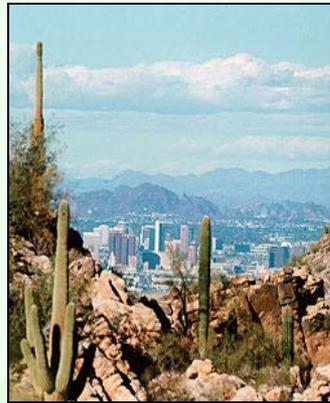




Background



- On May 23, 2007, the MAG Regional Council approved additional items for the Suggested List of Measures to Reduce PM-10
- One of these items was that MAG would issue a report each year on the status of implementation of committed measures in the MAG 2007 Five Percent Plan for PM-10
- Report would be made available to the Governor's Office, Legislature, ADEQ, and Environmental Protection Agency

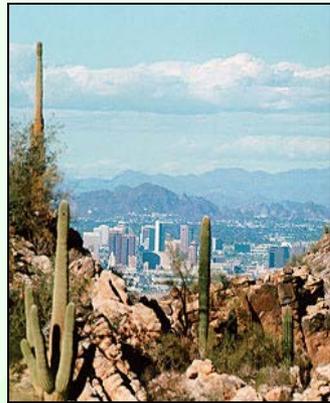


MAG 2007 Five Percent Plan for PM-10

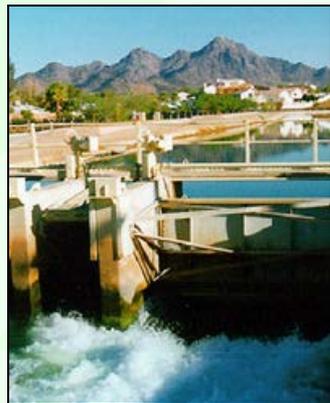
- Submitted to EPA in December 2007, as required by the Clean Air Act
- Plan was voluntarily withdrawn by ADEQ on January 25, 2011 to address technical approvability issues identified by EPA and include new information
- Plan contained 53 committed measures that began implementation in 2008
- Measures in the Plan continue to be implemented to reduce PM-10



MAG 2007 Five Percent Plan for PM-10



- **MAG will report the implementation status of the committed measures in the Plan in 2008, 2009 and 2010**
- **Three years of clean data required at the monitors in order to attain the PM-10 standard**





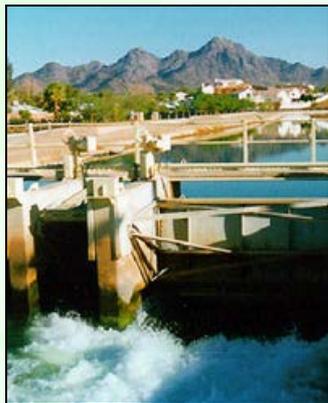
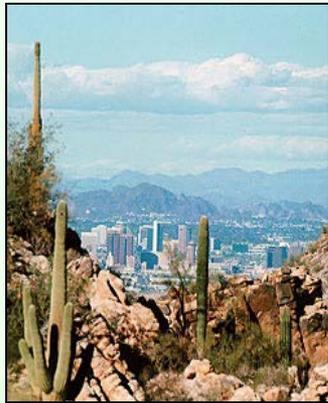
2010 Status Report

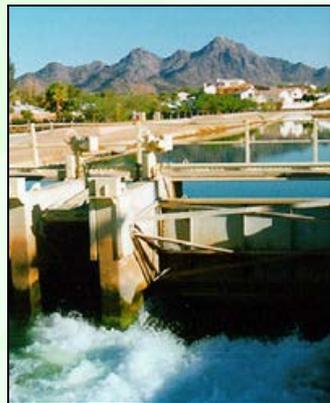
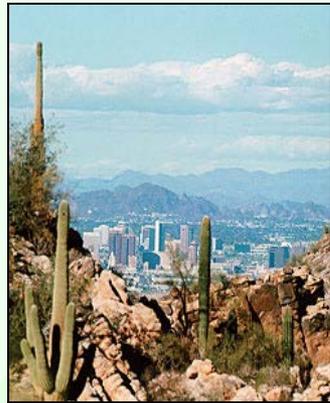
■ Tracking Forms

- To assist member agencies in reporting progress in implementing measures
 - Developed with input from member agencies
 - Sent to member agencies on 8/10/11
 - Completed forms for Year 2010 received from all agencies by 12/12/11

■ MAG Workshops

- On tracking implementation of measures in the Plan
- Held on 12/18/07, 9/23/08, 3/31/09, 4/1/10, and 9/15/11





Plan Summary

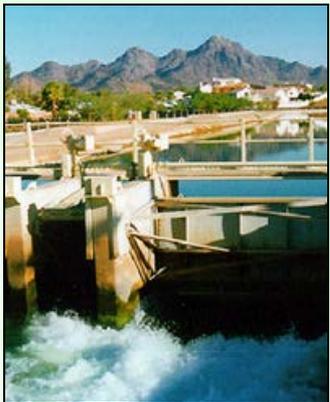
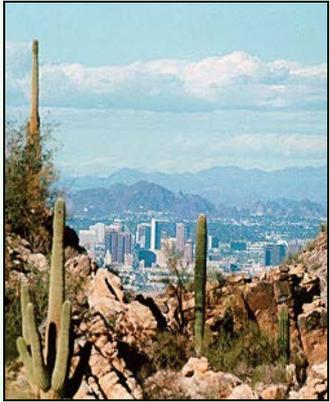
- **Implementing entity and number of measures tracked**
 - State – 14
 - Maricopa County – 40
 - Local governments – 16

- **Measures quantified for numeric credit in the Plan**
 - To meet 5% reduction target and demonstrate attainment – 25
 - As a contingency measure – 11
 - Not quantified - 17

ENVIRONMENTAL
PROGRAMS

Exceeded Commitment

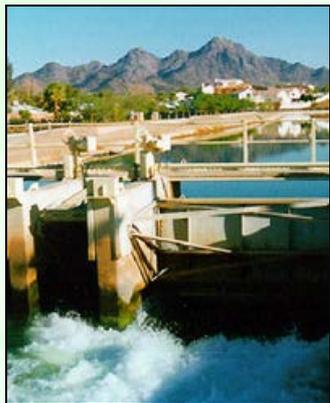
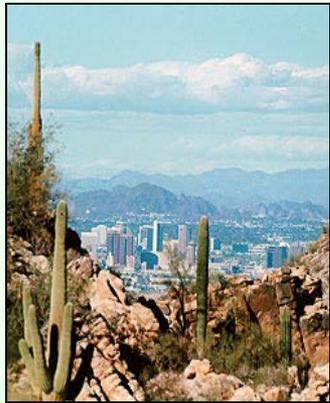
- **Measure 26 – Pave or stabilize existing public dirt roads/alleys**
 - Implementing entities – County and local governments
 - Implementation status
 - 181 miles of public dirt roads paved or stabilized in 2008, 2009, and 2010
 - 77 miles more than commitments
 - 465 miles of dirt alleys paved or stabilized in 2008, 2009, and 2010
 - 92 miles more than commitments





Exceeded Commitment

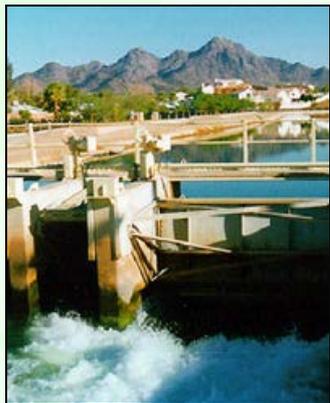
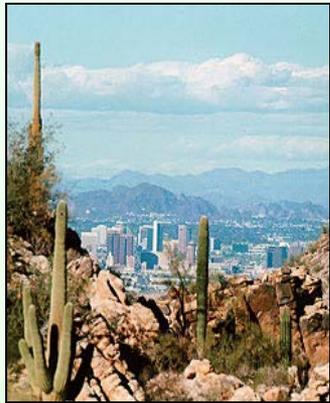
- **Measure 27 – Limit speeds to 15 mph on high traffic dirt roads**
 - Implementing entities – County and local governments
 - Implementation status
 - 37 miles of high traffic dirt roads posted with 15 mph speed limit signs in 2008, 2009, and 2010
 - 13 miles more than commitments

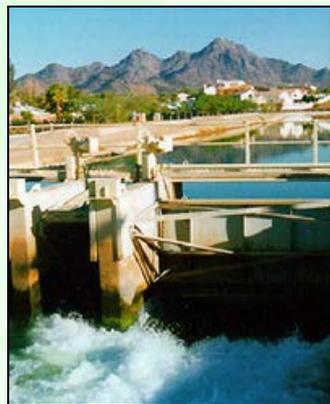
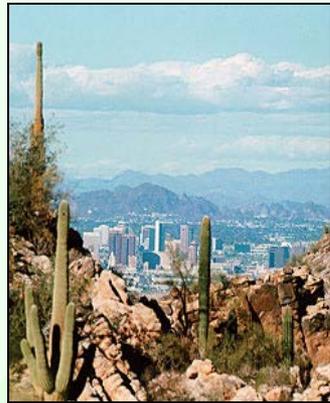




Exceeded Commitment

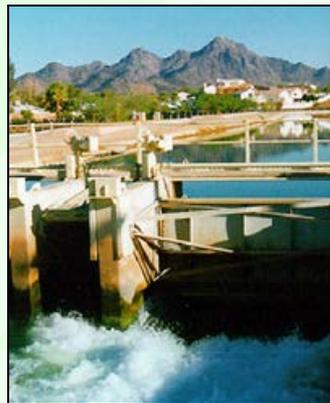
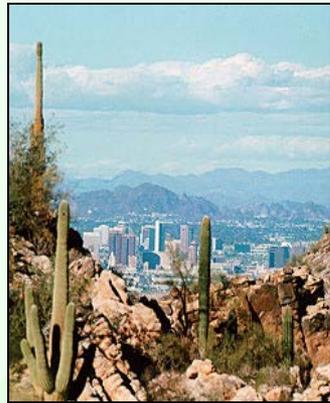
- **Measure 28 - Pave or stabilize unpaved shoulders**
 - Implementing entities – ADOT, County, and local governments
 - Implementation status
 - 959 curb miles of dirt shoulders paved or stabilized in 2008, 2009, and 2010
 - 567 curb miles more than commitments





Exceeded Commitment

- **Measure 45 – Prohibit use of leaf blowers on unstabilized surfaces**
 - Implementing entities – County, local government
 - Implementation status
 - County adopted ordinance
 - One local government, although not required, adopted ordinance



Exceeded Commitment

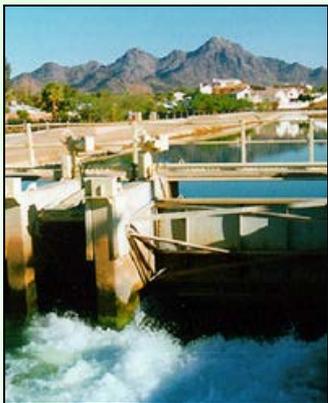
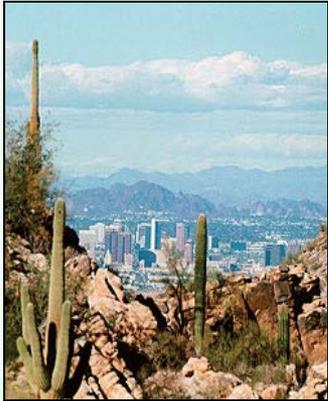
- **Measure 53 – Repave or overlay paved roads with rubberized asphalt**
 - Implementing entity – ADOT
 - Implementation status
 - 13 miles of highway repaved with rubberized asphalt in 2008
 - 8 miles more than commitment

ENVIRONMENTAL
PROGRAMS

Measures Not Implemented

- **Measure 5 – Establish a certification program for Dust Free Developments as an industry standard**
 - Implementing entities – ADEQ with support provided by Maricopa County
 - Reason for nonimplementation – ADEQ budgetary constraints

- **Measure 20 – Provide incentives to retrofit nonroad diesel engines and encourage early replacements with advanced technologies**
 - Implementing entity – Maricopa County
 - Reason for nonimplementation – ARS 49-474.07 did not establish a fund to provide incentives to retrofit nonroad engines

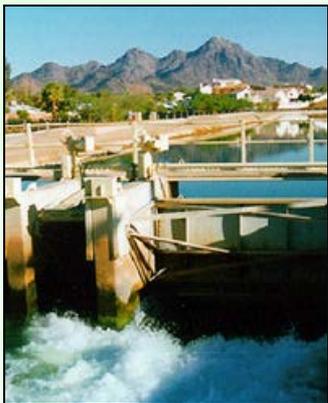
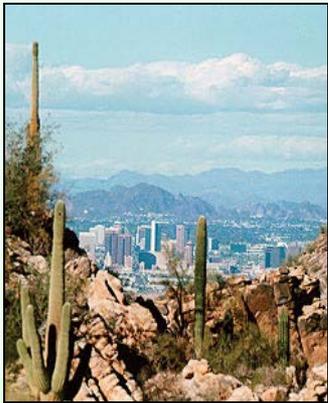


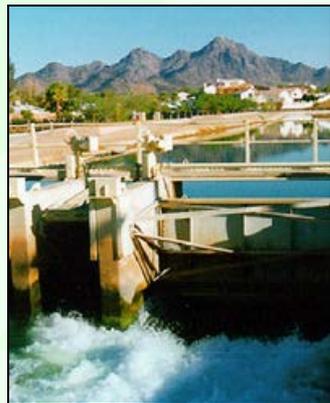
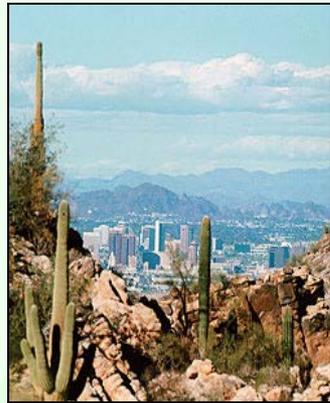


Measures Not Implemented

- **Measure 39 – Modeling cumulative impacts**
 - Implementing entity – Maricopa County
 - Partial implementation – Draft policy developed by MCAQD and ADEQ was distributed for public review in February 2010

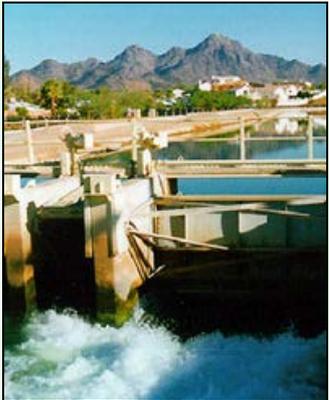
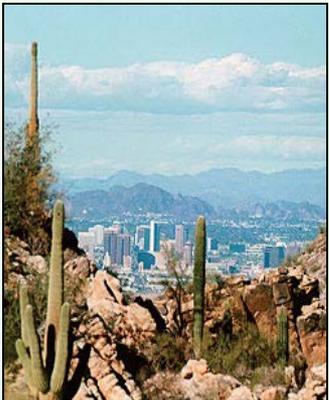
- **Measure 42 – The AZ State Legislature provide funding to ADEQ for four agriculture dust compliance officers for a total of five inspectors**
 - Implementing entity – ADEQ
 - Reason for nonimplementation – Two additional inspectors were funded in the State Legislative budget bill; expenditure authority for these new positions is no longer available to ADEQ





Conclusions

- **A majority of the implementation results meet or exceed 2007 Five Percent Plan commitments**
- **Violations of the PM-10 standard have declined**
 - Measures in the Plan have successfully controlled stagnation violations
 - None have occurred since Plan submittal
 - 2009-2011 may be clean
 - No stagnation violations
 - No high-wind violations (pending EPA concurrence on exceptional event submittals)
- **MAG will continue to track**
 - PM-10 concentrations at the monitors



For More Information

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