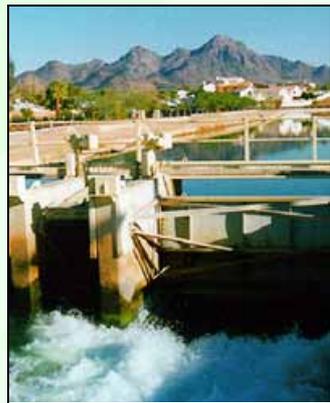
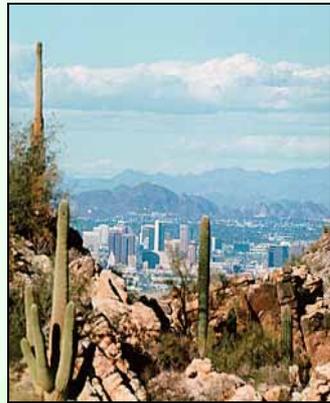


2009 Implementation Status of Committed Measures in the MAG 2007 Five Percent Plan for PM-10

AQTAC Meeting

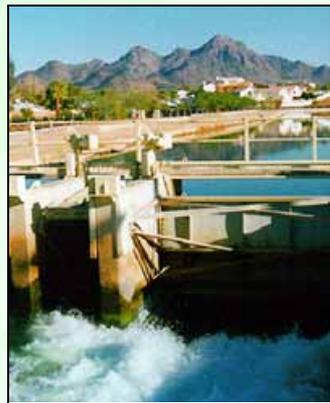
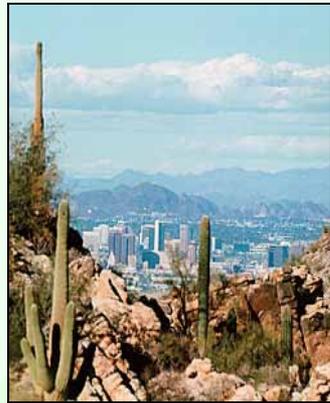
April 28, 2011





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



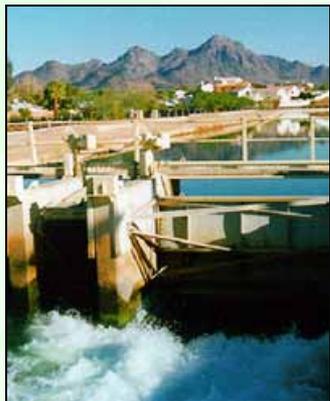
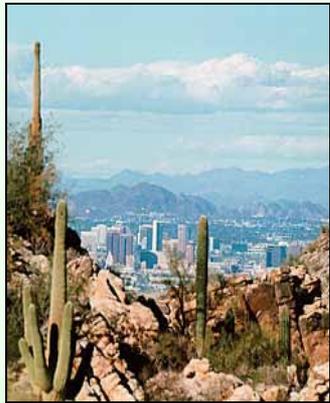
MAG 2007 Five Percent Plan for PM-10

- 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- Plan was voluntarily withdrawn by ADEQ on January 25, 2011 to address technical approvability issues identified by EPA and include new information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**
- **Clean data required at the monitors in 2009, 2010 and 2011 in order to attain the PM-10 standard**



2009 Status Report

§ Tracking Forms

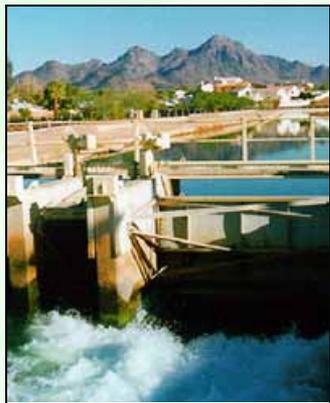
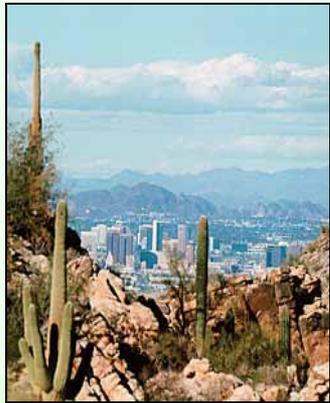
§ To assist member agencies in reporting progress in implementing measures

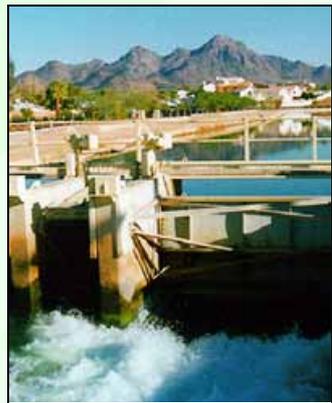
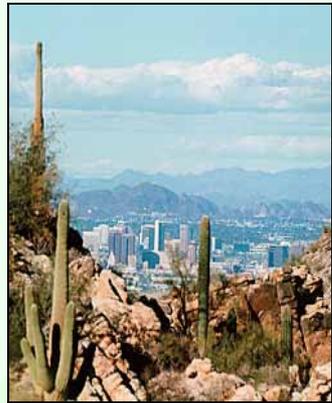
- Developed with input from member agencies
- Sent to member agencies on 3/11/10
- Completed forms for Year 2009 received from all agencies by 7/23/10

§ MAG Workshops

§ On tracking implementation of measures in the Plan

§ 12/18/07, 9/23/08, 3/31/09 and 4/1/10





Plan Summary

n **Implementing entity and number of measures tracked**

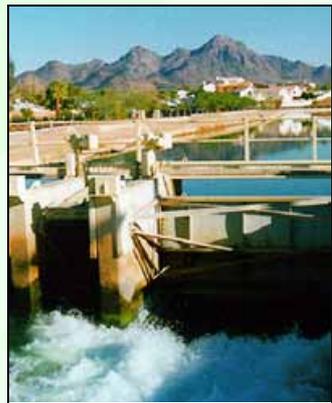
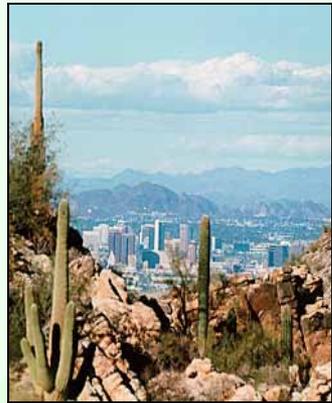
- | State – 18
- | Maricopa County – 39
- | Local governments – 15

n **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



Exceeded Commitment

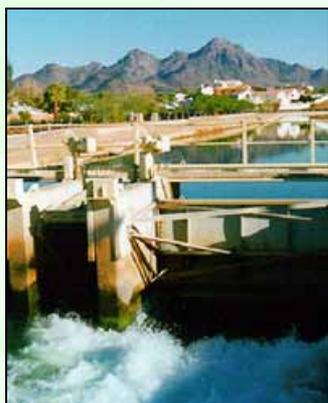
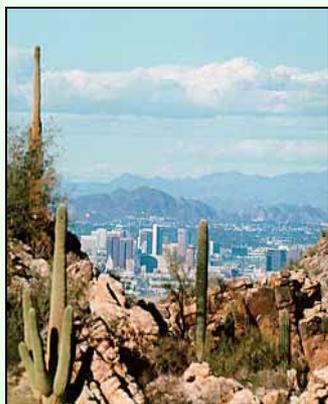


- n **Measure 26 – Pave or stabilize existing public dirt roads/alleys**
 - l Implementing entities – County and local governments
 - l Implementation status
 - n 73 miles of public dirt roads paved or stabilized in 2008 and 2009
 - l 16 miles more than commitments
 - n 346 miles of dirt alleys paved or stabilized in 2008 and 2009
 - l 166 miles more than commitments

ENVIRONMENTAL
PROGRAMS

Exceeded Commitment

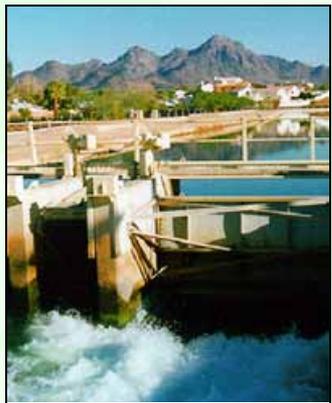
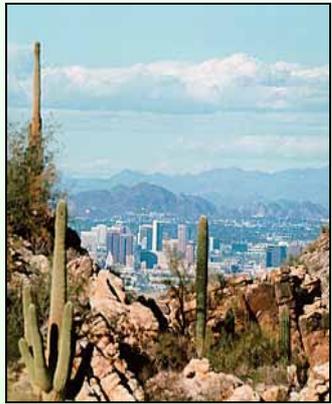
- n **Measure 27 – Limit speeds to 15 mph on high traffic dirt roads**
 - | Implementing entities – County and local governments
 - | Implementation status
 - n 57 miles of high traffic dirt roads posted with 15 mph speed limit signs in 2008 and 2009
 - | 29 miles more than commitments





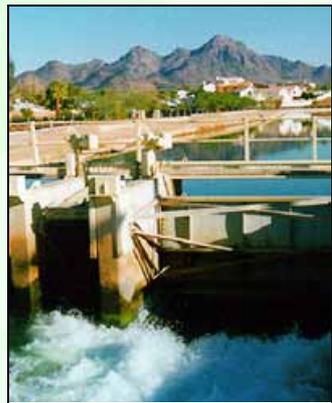
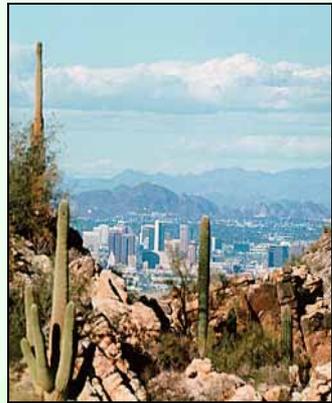
Exceeded Commitment

- n **Measure 28 - Pave or stabilize unpaved shoulders**
 - | Implementing entities – ADOT, County, and local governments
 - | Implementation status
 - n 675 curb miles of dirt shoulders paved or stabilized in 2008 and 2009
 - n 419 curb miles more than commitments





Exceeded Commitment

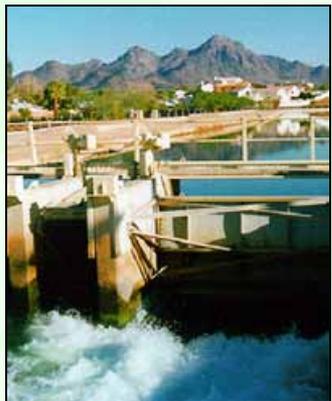
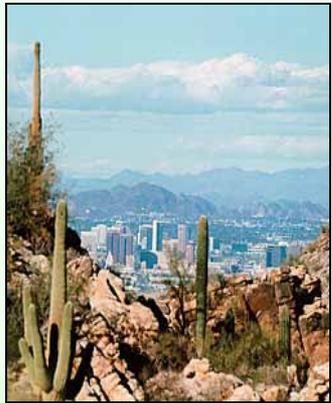


- n **Measure 45 – Prohibit use of leaf blowers on unstabilized surfaces**
 - | Implementing entities – County, local government
 - | Implementation status
 - n County adopted ordinance
 - n One local government, although not required, adopted ordinance



Exceeded Commitment

- n **Measure 53 – Repave or overlay paved roads with rubberized asphalt.**
 - | Implementing entity – ADOT
 - | Implementation status
 - n 12 miles of highway repaved with rubberized asphalt in 2008 and 2009
 - n 7 miles more than commitment

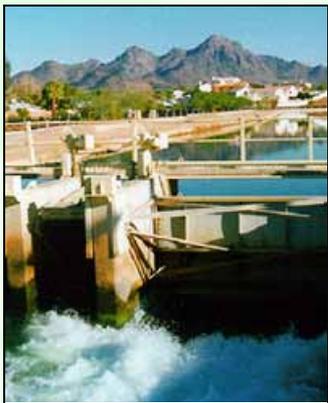
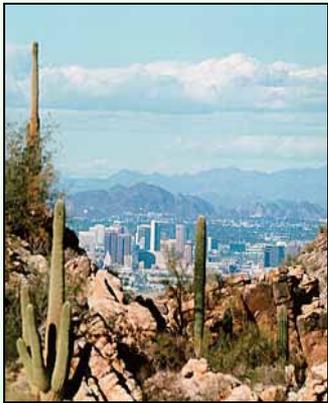


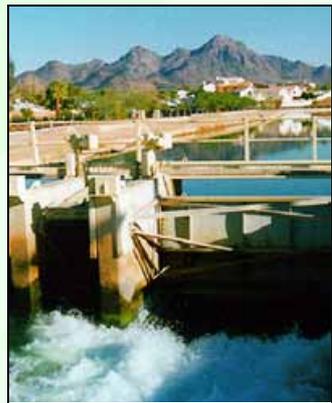
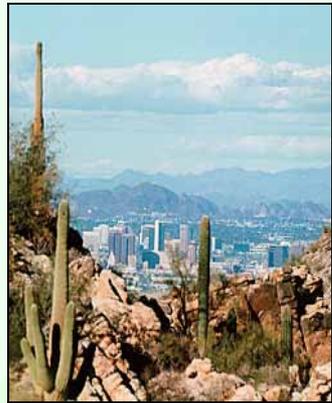


Measures Not Implemented

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

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

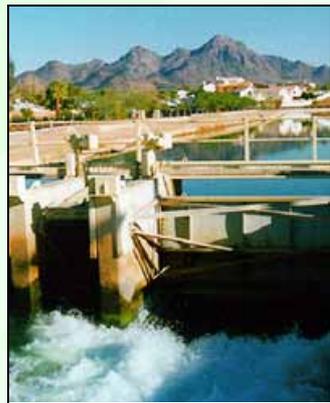
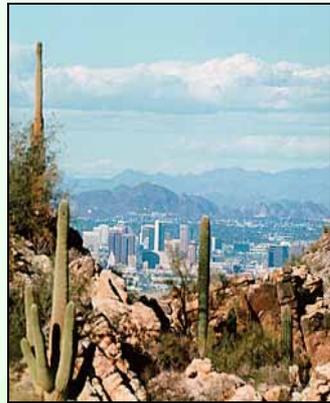




Measures Not Implemented

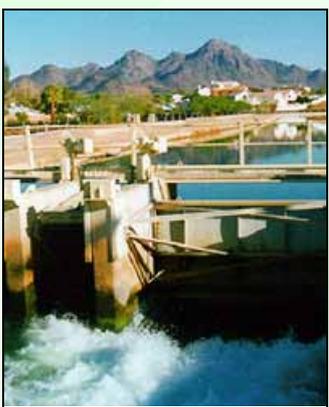
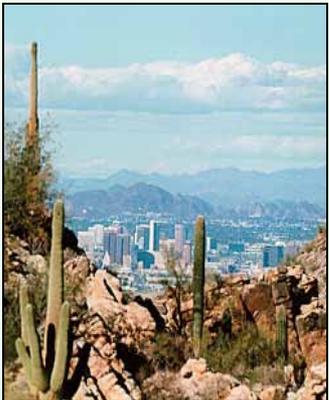
- n **Measure 39 – Modeling cumulative impacts**
 - l Implementing entity – Maricopa County
 - l Partial implementation – Draft policy developed by MCAQD and ADEQ was distributed for public review in February 2010

- n **Measure 42 – The AZ State Legislature provide funding to ADEQ for four agriculture dust compliance officers for a total of five inspectors**
 - l Implementing entity – ADEQ
 - l 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 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 or high-wind violations
- **MAG will continue to track**
 - Progress in implementing Plan commitments in 2010
 - PM-10 concentrations at the monitors



For More Information

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Cathy Arthur or Randy Sedlacek
(602) 254-6300

www.azmag.gov

