

## REGIONAL LEADERSHIP

...that addresses challenges that require regional cooperation, such as transportation and water. Regional leadership that is innovative, that focuses on sustainability, and that includes partnerships with educational institutions.

<i>Name</i>	<i>Program/Service Description, Status and Accomplishments</i>	<i>Staff Contact(s) or Project Program Manager(s)</i>
<b>Lower Colorado River (LCR) Multi-Species Conservation Plan (MSCP)</b>	<p>The LCR MSCP is a 50-year environmental mitigation program agreement between the U.S. Federal Government and the states of Arizona, California and Nevada. The MSCP's goal is to balance the current and future utilization of the LCR's water and power resources while protecting and conserving threatened and endangered species and their habitats within or near the LCR in compliance with the Endangered Species Act (ESA).</p> <p>It is designed to ensure the survival of 27 species by restoration of wildlife habitat along the lower Colorado River, including 8,132 acres of riparian, marsh and backwater habitat for six federally protected species and at least 20 other species that are native to the river system. Mesa is a Charter member.</p>	<p>Lead Staff: Pete Serrano x6898 Energy Resources Department</p>
<b>American Public Gas Association &amp; Research</b>	<p>American Public Gas Association (APGA) is the only nonprofit trade organization representing America's publicly owned natural gas local distribution companies (LDCs). Through APGA, public gas systems work together to stay reliably informed about new developments in safety, public policy, operations, technology, and the marketplace that could affect the communities and consumers they serve. The City of Mesa serves on the Board of Directors for the APGA.</p>	<p>Mike Comstock x2490 Energy Resources Department</p>
<b>Renewable Electric Energy Resources</b>	<p>The dynamic changes in energy markets, environmental regulations and relative costs of conventional electric generation technologies and new, renewable/sustainable energy resources have increased the complexity of resource selection and management processes.</p> <p>The City of Mesa is elevating its leadership role in stewardship of the environment and maximizing the reliability, safety, and cost effectiveness of its energy utilities services by leading and participating in diverse regional and local programs. For example:</p> <ul style="list-style-type: none"> <li>• Research and development site for SolFocus at its Central Arizona Project Water treatment Plant. SolFocus is a manufacturer of concentrated solar photovoltaic (CPV) technologies and a leading supplier of solar energy solutions. The successful implementation of the initial phase of this project resulted in an expansion approved by the Mesa City Council in</li> </ul>	<p>Lori Bonilla x2652 Energy Resources Department</p> <p>Patrick Murphy x3964 Economic Development</p> <p>Scott Bouchie x4366 Environmental Programs &amp; Code Compliance</p>

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	<p>October 2008. The City of Mesa benefits from any power from the test site not used in equipment testing.</p> <ul style="list-style-type: none"> <li>• The City of Mesa and SolFocus executed a contract for the purchase and installation of 11 additional arrays with a generating capacity of 92 kW. .</li> <li>• ASU Solar: Discussions have begun with ASU to explore and develop opportunities to integrate research of solar and other alternative energy resources with Mesa’s electric distribution utility.</li> <li>• Bus Stop Solar: The Transportation Department has begun installing Solar Photovoltaic panels to provide lighting to bus shelters to obviate the need for electrical service from the local electric distribution company.</li> </ul>	
<b>Utility Mutual Assistance</b>	<p>The City of Mesa Energy Resources Department has played a leadership role in expanding the utilities that participate in a region-wide association of utilities that commit to cooperate and provide mutual assistance in the event of emergencies. Energy Resources Department personnel have participated in a number of regional utilities table-top exercises as well as coordinated the City of Mesa’s emergency exercises.</p>	Richard Ochoa x 2133 Energy Resources Department
<b>Gila River Indian Community (GRIC) Effluent Exchange</b>	<p>Through the GRIC Water Rights Settlement of 2005, the City of Mesa entered into a water exchange with the Community. For every 5 acre-feet of reclaimed water that Mesa delivers to the Community for agricultural use, Mesa receives 4 acre-feet of Central Arizona Project water in exchange.</p> <p>Mesa began officially delivering effluent to the GRIC in 2008 from both the Greenfield WRP and Southeast WRP. In 2010, Mesa will deliver over 7,000 acre-feet of reclaimed water and will receive around 5,700 acre-feet of CAP water in exchange. Mesa will pay only energy changes for delivery of this water, saving nearly \$400,000 from its CAP water bill.</p>	Jen Hetherington x 3890

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<b>Tres Rios Environmental Restoration Project</b>	<p>This is a multi-phased project designed to improve effluent water quality from the 91<sup>st</sup> Ave. Wastewater Treatment Plant.</p> <p>The full scale Tres Rios Wetlands project will be located behind the north bank of the Salt and Gila Rivers. The constructed wetlands will consist of a series of ponds several hundred yards in width and will extend from approximately 91st Avenue west to the confluence of the Gila River with the Aqua Fria River (roughly six miles).</p> <p>By using improved effluent water, these treatment lands offer opportunities to regain some of their natural functions and offset some of the significant losses in wildlife habitat. With many areas in Arizona reaching the limits of water availability, water reuse via these systems is an attractive option that may help achieve water conservation and wildlife habitat goals, while providing integrated ecological functions within the watershed and landscape.</p> <p>Participants include SROG (the Cities of Glendale, Mesa, Phoenix, Scottsdale, and Tempe), the Corps of Engineers, the Bureau of Reclamation, several universities, and Arizona Game and Fish.</p> <p>The project is now in the construction phase and will take several years for completion. Much of the work is dependent upon ongoing Congressional funding and hence, could be subject to cuts or delays in upcoming years.</p>	Brian Draper x3246 Water Division
<b>East Valley Water Forum (EVWF)</b>	<p>The City of Mesa along with tribal, public and private water agencies and interested stakeholders developed the EVWF to develop reliable water supplies through partnerships and a cooperative regional approach to water resource planning and management.</p> <p>In 2006 the Forum completed a regional groundwater management study and plan and showcased its results at ASU's Decision Theater. Current efforts include a regional study regarding the impact of long-term climate change on regional groundwater supplies.</p>	Kathryn Sorensen x 2947

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<b>Water-Use-It-Wisely</b>	<p>In 1998, the City of Mesa, working with a marketing agency, developed the Water – Use It Wisely campaign. Since then, Mesa has brought together 20 regional partners including Valley municipalities as well as SRP, BOR, and others.</p> <p>In Phoenix, the campaign has been put to the test every two years since it began and recently received a remarkable 80% recognition among consumers. Partners benefit as monies can be consolidated for media purchases. By acting regionally, the partnership provides the opportunity for sponsors such as the Diamondbacks, Home Depot, and Wells Fargo.</p>	Donna Di Francesco x3334 Development & Sustainability
<b>Palo Verde Nuclear Generating Station Effluent Sales</b>	<p>Mesa, Phoenix, Scottsdale, Tempe, and Glendale, who jointly own the 91<sup>st</sup> Avenue Wastewater Treatment Plant have provided treated effluent to the Arizona Nuclear Power Project (ANPP) - Palo Verde since the mid-1980s.</p> <p>The sustainable system mitigates environmental impacts to local water resources. The use of treated wastewater eliminates the need to identify and obtain consumptive use permits for available fresh water in the large quantities needed for power plant cooling.</p> <p>Palo Verde is now planning to relicense the plant for another 40 years. Mesa is participating as part of a negotiating team which anticipates a substantial increase in treated effluent being sent to the Palo Verde site and revenue from the sale of this resource.</p>	Bill Haney x2480    Water Division
<b>Arsenic Removal Studies</b>	<p>Several years ago EPA dropped the maximum contaminant level for arsenic from 50 to 10 parts per billion. Because arsenic removal technologies were largely unproven, Mesa partnered with ASU and a local engineering firm to research compliance strategies. A process originally designed to analyze carbon was used and became groundbreaking research that yielded excellent results for Mesa's water utility and that was recognized around the country. Mesa is currently treating water at one well site to remove arsenic. Five wells have been remediated.</p>	Alan Martindale x3481 Water Division

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<b>Water Distribution Leak Detection</b>	The Water Program purchased 200 permaloggers in the fall of 2007 as a test program to evaluate the effectiveness of this technology as an early warning system for waterline leaks and to pinpoint leaks once they happen. Permaloggers are small electronic "listening" devices that fit within a water valve housing that send out an alarm signal when they "hear" a leak. These permaloggers are traditionally used as permanent installations for long-term monitoring of a distribution system. However, Mesa has used the permaloggers in two high profile incidents since last winter. By using the permaloggers in a more mobile fashion, the City has been able to pinpoint and repair such leaks much more rapidly than has been done with more conventional methods.	Susan Miller x4109 Jake West x3371
<b>White Mountain Apache Tribe Settlement Agreement</b>	The City of Mesa along with SRP and several valley cities reached a settlement agreement regarding the tribe's claims to water in the Gila and Little Colorado River general stream adjudications in Arizona. The agreement indicates the tribe would have a right to a total annual diversion water right of 99,000 acre-feet per year through a combination of surface water and Central Arizona Project water sources. It also provides funding for future municipal water supply projects.  Without a settlement, the tribe's claims could impact water users in the Salt River system, a major water source within the State of Arizona and prolong uncertainty concerning the availability of water supplies and seriously impair the long-term economic well-being of Mesa.	Kathryn Sorensen x2947
<b>Project Add Water</b>	Long term water demands in CAP's three-county service area are projected to exceed currently available supplies. To this end, representatives from the cities of Phoenix, Tucson, and Mesa began meeting in 2005 to develop a larger stakeholder process. One outcome of these discussions was Project Add Water, an effort to establish a collaborative process to determine when new supplies need to be acquired and how those supplies could be shared. The Stakeholder Process began on May 21, 2008 and is currently ongoing.	Kathryn Sorensen x2947
<b>OpenCel Technology</b>	The City of Mesa partnered with ASU and OpenCel to employ new technology at the	Ronny Lopez x6014

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	<p>Northwest WRP to reduce the production of biosolids and increase the production of digester gas for re-use. This technology allows more complete digestion of waste products and more methane production, which is re-used in the plant as a power supply. The technology also produces heat that can be used to keep the digesters warm in the winter, resulting in less power consumption for heating purposes.</p> <p>Recently Mesa began a test protocol with this technology whereby some of the waste product is also used as a carbon source in the aeration basins, further reducing the need for methanol at the plant.</p>	
<b>Air Quality Ordinance</b>	<p>The City of Mesa was the first municipality in the region to adopt a dedicated particulate pollution ordinance. This ordinance was a key component in the establishment of Mesa's current air quality program.</p> <p>In FY 08/09 the City of Mesa paved and/or stabilized over 51 miles of unpaved shoulders. These unpaved shoulders were a key contributor to dust emissions on a regional level and stabilizing them greatly reduces the emissions.</p>	Scott Bouchie x4366 Environmental Programs and Sustainability
<b>STORM Outreach</b>	<p>The City of Mesa was a founding member of the regional stormwater education and outreach group STORM. STORM stands for stormwater outreach for regional municipalities and the goal of the organization is to have a unified message in the region on stormwater pollution prevention. STORM had a PSA which addressed pet waste and the contaminants associated with it and proper disposal. STORM also launched the bags on board program in which STORM supplied 8,000 leash mounted pet waste bag holders and donated them to pet adoption agencies in Maricopa County.</p>	Scott Bouchie x4366 Environmental Programs and Sustainability
<b>Sustainability Cities Network</b>	<p>The City of Mesa is an organizing member of the Sustainable Cities Network. The Network is a vehicle for sharing knowledge and coordinating efforts to understand and solve problems. It is designed to foster partnerships, identify best practices, provide training and information, and create a bridge between ASU's research and front-line challenges of municipal sustainability.</p>	Scott Bouchie x4366 Environmental Programs and Sustainability

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	<p>Over the last year the network has had two valley wide meetings that have focused on best management practices for municipal sustainability.</p> <p>The network has developed a best management practices inventory that includes information from cities across the valley and has also had monthly educational workshops.</p>	
<b>Brownfields</b>	<p>The City of Mesa was selected by the National Brownfields Association for an innovative technical assistance pilot project. This project will involve nationally recognized experts in the area of brownfields redevelopment who will assist the City in the redevelopment of a brownfields property.</p> <p>The field work for the Environmental Site Assessment has been completed and a final report is anticipated in October. Arizona State Land has begun the auction process per the Commissioners initiative and the site is scheduled to be auctioned in the first quarter of 2010. The City of Mesa is working with the National Brownfields Association and Arizona State Land on a marketing strategy for the site.</p>	
<b>Mesa Community College Partnership</b>	<p>Campus wide recycling utilizing commingled barrels. Expanded campus recycling program at Dobson location. Annually participate in their "Dumpster Dive" to identify potential recyclables and evaluate the success of the program.</p> <p>Currently participating on MCC's Sustainability Committee to serve as a recycling resource &amp; ensure a successful long term program</p>	Sandy Stechnij x3931 Solid Waste
<b>Specialty Programs</b>	<p>Solid Waste offers a variety of additional programs and services to meet the recycling and trash disposal needs of residents, including:</p> <p><b>Household Hazardous Waste Collection Events:</b> Working in partnership with Environmental Programs, four events are held throughout the year for residents to safely dispose of their paint, pesticides, electronics, appliances, batteries, tires, prescription drugs, etc.</p>	Mariano Reyes x5005

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	<p><b>Paint Reuse Program:</b> Paint that is collected through the Household Hazardous Waste Program is sorted by color, mixed, filtered and re-packaged in five-gallon containers. The paint is then made available to Mesa residents and community groups at no charge for use in their exterior painting projects. The paint is also used for graffiti abatement.</p> <p><b>Green Building Program Pilot:</b> Opportunity for construction projects to recycle their untreated wood, scrap metal and inert material (concrete, roof tile, block, brick, etc.). Collected wood material is either mulched/composted or taken to a biomass plant to generate alternative energy. Inert material is made into renewable material such as specification aggregate base coarse (ABC).</p> <p><b>Electronics Recycling/Shred-A-Thon Event:</b> Working in partnership with a local electronics recycler and document shredding company, residents are able to safely dispose of their items. Currently held in January. The first event held in 2008 was attended by more than 500 vehicles during a four hour period.</p> <p><b>A.C.E. Express:</b> An express recycling drop-off event for appliances, computers and electronics. Because of material volume of material at the household hazardous waste events, this event was created to reduce wait times. Currently held one week prior to an HHW event.</p> <p><b>Project R.E.A.C.T.:</b> (Recycling Education Achieved by Community Teamwork) A partnership program where Solid Waste teams up with a local organization to promote recycling education among Mesa residents. The first project involves joining together with the Boy Scouts of America to distribute recycling reminders to residents in honor of America Recycles Day.</p> <p><b>Mesa Public Schools (MPS) Partnership:</b> In 2008, Solid Waste staff received a grant from the AZ Dept. of Environmental Quality to initiate a campus recycling program at all public elementary schools. As of Oct. 2009, MPS is generating a monthly savings of \$3,675, diverting 640 cubic yards of waste per week and using 928 recycle barrels. Junior and senior high schools are currently in the process of establishing recycling programs on their campuses.</p>	

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<b>Ultra-Thin Bonded Wearing Course (UTBWC)</b>	<ul style="list-style-type: none"> <li>• UTBWC is a surface treatment that combines the strength of hot mix with the flexibility of thin maintenance treatments. UTBWC provides an economical choice for pavements in need of preventive maintenance. The quick construction and return to traffic mean shorter user delays and lower user delay costs. Mesa has been a regional leader in the use of UTBWC</li> <li>• Since May 2005, over one million square yards of UTBWC have been completed throughout the City</li> <li>• Periodic field surveys and testing over the past three years have shown the UTBWC process has met or exceeded expectations on the Arterial and major Collector streets where applied.</li> </ul>	Lenny Hulme x3121 Dennis Ericson x4912 Transportation
<b>City use of ADOT Freeway Management System (FMS) conduit for City traffic management</b>	<p>Mesa reached a formal agreement with ADOT allowing Mesa to use ADOT conduit along the freeways for Mesa traffic management system purposes. In exchange, Mesa agreed to ultimately assume operation and maintenance of an additional 23 freeway interchange traffic signals within and adjacent to Mesa’s signal system. Mesa ultimately plans to use 37 miles of ADOT conduit. This will benefit the public by including the freeway interchange signals in the City’s coordinated arterial traffic signal systems.</p> <ul style="list-style-type: none"> <li>• This is the first and only agreement of its kind with ADOT in the state</li> <li>• Mesa staff has saved the \$8.5 million it would have cost to install this amount of conduit independently</li> <li>• Annual operation and maintenance cost for 23 interchange signals is only \$126,500 by comparison</li> <li>• 30 miles of conduit have Mesa fiber optic lines installed to date</li> </ul> <p>Nine interchanges have been taken over to date</p>	Alan Sanderson x3123 Transportation

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<b>Light Rail Transit Program</b>	<p>Implementation of METRO Light Rail in Mesa provides regional connectivity, increased mobility choices, fosters economic development and enhances the quality of life for Mesa residents.</p> <p>The new Sycamore Transit Center serves both METRO Light Rail and the new Valley Metro LINK bus service.</p> <p>Mesa has approved a light rail extension on Main Street, east to Gilbert Road. Funding exists to open the first phase to Mesa Drive by 2016.</p>	Mike James x5075 Transportation
<b>RideChoice Program</b>	<p>A program created by Mesa staff as an alternative to traditional Dial-a-Ride. Mesa reached our budget limits for the program last year and it is expected the same will occur this year.</p> <p>At Mesa's request, RPTA started a dialysis transportation program for 10 Mesa residents-- gives riders the ability to travel to and from dialysis treatments on-demand using qualified cabs as an alternative to the more expensive Dial-A-Ride.</p>	Julie Howard x4131 Transportation
<b>Bike and Pedestrian Program</b>	<p>Mesa has been an active participant in identifying regional bicycle and pedestrian projects and securing federal funding for their development and construction. Key upcoming regional projects include shared use path projects on the Consolidated Canal (8<sup>th</sup> Street to Lindsay Road); and bicycle and pedestrian streetscape improvements on Dobson (Broadway to Main). Mesa has secured \$6.5 million for bicycle and pedestrian improvements for 2008 through 2012. Mesa received a renewal (until \$750,000 in ARRA funding and \$698,749 in Transportation Enhancement funding has been awarded for the Consolidated Canal.</p>	Jim Hash x3556 Transportation
<b>Public Safety Coalitions</b>	<p>Mesa's participation (Police, Fire and Emergency Management) since 2000 has resulted in regional partnerships assisting in the development and design of rapid response team equipment and training. The RRT system is recognized nationally as a model All Hazard response system. Metropolitan Medical Response System (MMRS) Mesa's design and configuration of the multi patient modules and apparatus have been copied statewide.</p>	Gil Damiani x2631    Fire

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<b>Gang Task Force</b>	<p>Regional Partnership established to share information and pool law enforcement resources for the purpose of reducing and preventing gang activity.</p> <p>The Gang Task Force is designed to be an effective information sharing and enforcement collaboration between federal, state, county, and local law enforcement agencies, for the purpose of streamlining operations, and enhancing crime-fighting efforts within the East Valley and surrounding metropolitan areas.</p> <p>Partner Agencies: Mesa PD, Chandler PD, Scottsdale PD, Gilbert PD, Tempe PD, AZ Dept Public Safety, Maricopa County Attorney's Office, Maricopa County Adult Probation, Maricopa County Juvenile Probation, ATF, and the U.S. Marshalls.</p>	<p>Sgt Ryan Russell x3468 Sgt Cutler x5274 Sgt Quesada x2214 Lt. Tony Abalos X3859</p>
<b>Mesa Police Academy</b>	<p>The Mesa Police Academy hosts other law enforcement agencies including: Scottsdale, Apache Junction, SRIP, Tempe, &amp; Maricopa. Gilbert PD has requested slots in the January Academy class.</p> <p>The Mesa Police Academy has hosted other agencies for several years but recently AZPOST asked if the Mesa Police Academy could expand our role as regional trainers due to the demand for academy slots by other agencies.</p> <p>The second class from 2008 will graduate December 5, 2008.</p>	<p>Lt. Michael Soelberg x2963</p>
<p><b>East Valley Gang and Criminal Information (EVGCI) Fusion Center</b></p> <p>Partner Agencies</p> <ul style="list-style-type: none"> <li>• Mesa PD</li> <li>• Salt River</li> <li>• Chandler PD</li> <li>• Scottsdale PD</li> </ul>	<p>The East Valley Gang and Criminal Information Fusion Center is designed to be an effective mechanism to exchange information, streamline operations, and enhance crime-fighting efforts within the East Valley Law Enforcement Community by analyzing data from multiple sources.</p> <p>Crime activity focus areas for the EVGCI Fusion Center are: Gang Activity, Cross-Jurisdictional Crime Trends, Repeat Offenders.</p> <ul style="list-style-type: none"> <li>• 10/06/08 City Council review and approval of 2008 Byrne Justice Assistance Grant Program (JAG grant) \$46,537.00. Grant funds to be used by EVGCI Fusion Center for technology</li> </ul>	<p>Sgt. Lance Heivilin x4351</p>

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<ul style="list-style-type: none"> <li>• Gilbert PD</li> <li>• Tempe PD</li> </ul> <p>Associate Agencies</p> <ul style="list-style-type: none"> <li>• ATF</li> <li>• AZ DOC Parole</li> <li>• MC Adult Probation</li> </ul>	<p>projects</p> <ul style="list-style-type: none"> <li>• Use of approximately \$35,000.00 in UASI Grant Funds for radio system to enhance EVGCI Fusion Center communication on in-progress events between the participating agencies.</li> <li>• The EVGCI Fusion Center has been instrumental in changing the regional culture of law enforcement. The criminals target our communities without regard to boundaries. We look at the region as a whole and look for criminality with the East Valley as our focus</li> <li>• We continue to identify serial crime trends between partnering agencies by looking at available data and research. We are a one-stop-shop for communication between the partnering agencies and other agencies in the region. We track gang activity and criminality throughout the region and work with our associate and partnering agencies to target parole and probation subjects who are likely to re-offend in our community upon their release</li> </ul>	
<b>Fugitive Coordination Committee</b>	<p>Regional partnership was created and is working to identify and create a solution to address the problem of having over 40,000 outstanding felony warrants in Maricopa County.</p> <p>Partner Agencies: Maricopa County Attorney’s Office, Superior Court of Arizona, Adult Probation, AZ Department of Public Safety, US Marshals Office, Phoenix PD, Chandler PD, Tempe PD, Scottsdale PD, Gilbert PD</p>	<p>Chief Sherry Kiyler, Chandler Police Department, Chairperson</p> <p>Assistant Chief John Meza, Mesa Police Department , member, X2442</p> <p>Commander Kathy Kirkham, Mesa Police Department, member, X2887</p>
<b>COMPSTAT</b>	Federally funded program partnering the Police Executive Research Forum (PERF) with Mesa PD to study the effectiveness of LPR’s by designing processes and strategies for their use.	Det. Steve Badger x3670
<b>Six Sigma business</b>	PD is utilizing this business management strategy to enhance our performance. It is a data	Commander Kathy

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<b>practice initiative</b>	driven leadership approach using specific tools and methodologies that lead to fact-base decision making. The focus is on improving the performance of the entire organization by eliminating waste and inefficiencies. The goal is to achieve cost savings and improved customer relations.	Kirkham x2887
<b>IT AZLINK and AZLINK East</b>	Statewide initiative in cooperation with the Arizona Criminal Justice Commission to interconnect the four COPLINK system owners (Mesa PD, Phoenix PD, Tucson PD and Maricopa County Sheriff Office) to share police data. AZLINK East is an initiative by the Mesa Police Department to share law enforcement data with other East Valley law enforcement agencies. The agencies who have signed the IGA are Mesa PD, Tempe PD, Scottsdale PD, Gilbert PD and Chandler PD. The Salt River Pima Indian Community is currently considering the IGA.	Shirl Butler x3885 Karen Winter x4465
<b>Aid to Veterans</b>	<p>A training program for officers to aid them in recognizing veterans who are displaying symptoms of either PTSD (Post Traumatic Stress Disorder) and/or TBI (Traumatic Brain Injury). The goal is to reduce or eliminate the incidence of violent encounters between officers and veterans as well as potentially identifying those veterans who may be needing treatment vs. incarceration.</p> <p>A second component of this is an exploratory committee comprised of a broad spectrum of groups in the criminal justice field (courts, attorneys, probation, and police) which is researching the possibility of establishing a specialized "Veterans' Court" to deal with the unique issues of those veterans who have been accused or convicted of committing crimes in the community. This court would provide both treatment and sentencing considerations for those defendants whose criminal problems are directly related to PTSD/TBI derived from their military service.</p>	Commander Joe Shelley x2107
<b>Combined DNA Index System (CODIS)</b>	FBI sponsored CODIS participation enables State, Local, and National law enforcement crime laboratories to compare DNA profiles electronically, thereby linking serial crimes to each other and identifying suspects by matching DNA profiles from crime scenes with profiles from	Krista Placko x4966 Mesa PD Crime Lab

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	<p>convicted offenders.</p> <p>The success of CODIS is demonstrated by the thousands of matches that have linked serial cases to each other and cases that have been solved by matching crime scene evidence to known convicted offenders</p>	
<b>MHS (Mesa High School) Forensic Science Program</b>	Partnership created between Mesa PD Forensic Services and Mesa High School to promote the forensic sciences to high school students involved in MHS' Biotechnology Academy.	Jodi Legg x6828
<b>ICE Immigration Training Program</b>	<p>Specified Detention Officers are trained to work under ICE supervision to determine status of suspected undocumented foreign nationals. This will allow MPD to have at least a limited number of 287g-authorized personnel.</p> <ul style="list-style-type: none"> <li>• Six Detention Officers have been identified as potential trainees</li> <li>• All six have turned in screening packets and are now undergoing screening for necessary clearances</li> </ul> <p>Training to begin as early as January '09</p>	Lt. Kasik x2582
<b>Sustainable Vegetation Control</b>	<p>In order to minimize labor costs and use of pesticides, goats will be allowed to graze within the fenced area of the percolation ponds to control the spread of salt cedar and weeds.</p> <p>The department wants to move toward sustainable, ecological weed control and away from methods that rely heavily on chemicals. Using goats for targeted grazing is one approach for the department as it moves away from conventional, less environmentally friendly methods of control. Goats are also an ecological option to bulldozers, weed whackers and other gasoline- or diesel-powered machinery. Environmentally sensitive areas such as storm water retention ponds, steep hillsides, septic system drain fields — all places where machinery or laborers cannot easily access — are easily managed by goats.</p>	Ronny Lopez x2483 Water Division - Utilities

## REGIONAL LEADERSHIP

...that addresses challenges that require regional cooperation, such as transportation and water. Regional leadership that is innovative, that focuses on sustainability, and that includes partnerships with educational institutions.

<i>Name</i>	<i>Program/Service Description, Status and Accomplishments</i>	<i>Staff Contact(s) or Project Program Manager(s)</i>
<b>Recycle for Reading Program</b>	<p>This innovative program is designed to increase recycling diversion rates (positive environmental impact) and to raise funds for the Library operations (positive financial impact).</p> <p>Launched “Just One More Pound” campaign on July 1, 2008, to encourage Mesa residents and City employees to increase their recycling activity. Outreach activities include attending City events to promote the program and provide recycling education.</p> <p>Partnered with Mesa Channel 11 to produce a PSA to promote the program to residents.</p>	Erin Romaine x3673 Solid Waste
<b>Cold in-place asphalt recycling</b>	<p>Asphalt Repair – Cold in-place asphalt recycling is an innovative method of replacing asphalt in need of repair. The process consists of milling the old asphalt, mixing it with a rejuvenating product and re-applying it in a continuous process, which saves time, money, and is environmentally superior to conventional methods.</p> <p>Mesa is the first public agency to use this technology as a paving alternative in the Valley. Other public agencies are now testing the Cold in-place process.</p> <p>The test section installed on Alma School Road to determine the quality of the finished product continues to perform well.</p> <p>The test section will receive a latex modified slurry seal and will be evaluated further.</p>	Lenny Hulme x3121 Transportation
<b>LED (Light emitting diode) Streetlighting</b>	<p>The conventional high pressure sodium streetlights in Mesa will be replaced with cutting edge technology LED or Induction lighting. The focus is on energy conservation and the reduction of required maintenance.</p> <p>Mesa is the first public agency to test this lighting technology in the Valley.</p> <p>LED streetlights from three manufacturers are currently being tested. (a fourth will be installed</p>	Lenny Hulme x3121 Richard Woodward x3141 Craig Blum x3906 Transportation

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	<p>next month for evaluation.</p> <p>Further testing with other manufacturers is planned to be ready for possible funding from ARRA Energy Efficiency Conservation Block Grant. \$1 M has been earmarked to fund this program.</p>	
<b>LEC (Light emitting capacitor) and LED (Light emitting diode) Street Name Signs</b>	<p>Conventional (fluorescent tubing) internally illuminated street name signs are being replaced with advanced technology LEC and LED signs. The focus is on energy conservation and the reduction of required maintenance.</p> <p>Mesa is the first public agency to test this lighting technology in the Valley. Replacement signs are being tested.</p>	Lenny Hulme x3121 Derek Witting x 5257 Transportation
<b>Partnership with Northern Arizona University (NAU)</b>	<p>Mesa established a partnership in support of NAU traffic operations research. Mesa provided 16 decommissioned traffic signal controllers to NAU for use in their traffic laboratory. NAU will conduct real world field testing and evaluation of various traffic detection technologies at Power Road and Southern Avenue. They will analyze live traffic data and develop practical software tools for signal timing adjustments based on changes in traffic patterns. The intersection of Power Road and Southern Avenue was outfitted with equipment to support the collection of traffic data using various technologies and collection is expected to begin this fall.</p>	Jeff Jenq, x5187 Transportation
<b>Arizona Forensic Services Advisory Committee</b>	<p>Statewide Committee created by Legislative action in 2007 under the AZ Attorney General's Office. Membership consists of selected Law Enforcement Agency Chiefs of Police, AZ Attorney General's Office, Directors of accredited Forensic Laboratories in Arizona, Arizona Criminal Justice Commission, Prosecuting Attorneys. Discuss and evaluate uses of forensic science analysis/examinations and their impact on the criminal justice system. Forum to share information and address public concerns and perceptions.</p>	Deb Rector x4968