Annual Sustainability Action Plan Update

City of Las Cruces®
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TO: Robert Garza, City Manager

FROM: Lisa LaRocque, Sustainability Officer LR

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SUBJECT: January 13, 2014 Work Session:
Annual Sustainability Action Plan Update

On March 7, 2011 the City Council adopted the City's first Sustainability Action Plan 2011-2014. The Sustainability Office has compiled a report summarizing departmental accomplishments related to the Sustainability Action Plan. To complement this Report, the Sustainability Office has also prepared a PowerPoint to highlight the City's accomplishments.

The Sustainability Office is also working on a draft Sustainability Action Plan 2014-2017 (SAP2). The sustainability office will present a draft of SAP 2 to the City Council later this spring.

This information packet contains the following information:

- Sustainability Action Plan 2011-2014 link
- Annual Sustainability Action Plan Report 2013
- Annual Sustainability Action Plan Update PowerPoint Presentation

cc: Brian Denmark, Assistant City Manager/Chief Operating Officer
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Annual Sustainability Action Plan Report 2013

January 13, 2014

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City of Las Cruces Annual Sustainability Action Plan Report 2013

Executive Summary

On March 7, 2011, the City of Las Cruces City Council adopted the *Sustainability Action Plan* as a guide for the City's decision-making regarding sustainability, conservation, and environmentally sound practices and projects. The City's Sustainability Officer is responsible for tracking implementation of the plan which occurs through the City's various departments.

The *Sustainability Action Plan* is organized with eight main objectives:

Objective 1: Increase Energy Efficiency

Objective 2: Accelerate Deployment of Renewable Energy

Objective 3: Ensure a Sustainable Water Supply

Objective 4: Reduce and Recycle Solid Waste

Objective 5: Prevent Air and Water Pollution

Objective 6: Encourage Sustainable Development and Transportation Options

Objective 7: Conserve Habitat and Ecosystems

Objective 8: Support Local Food Networks

Each objective has a list of goals and actions that provide guidance and support for the City's internal sustainable and conservation-oriented programs and practices. Each objective also has goals and actions that provide direction for the community at large.

The following is the 2012 and 2013 status report from each lead department.

Objective 1: Increase Energy Efficiency

Goal 1.1: Continuously monitor energy consumption in City facilities, fleet and other operations

Actions	Departments & Partners		Indicators	2012 Status	2013 Status
1.1a Produce a quarterly report of energy consumption.	Lead	Public Works/FM	Number of quarterly reports on energy and water consumption.	Planet Footprint quarterly reports. Electric Bill Consolidation and new IT platform will streamline data accuracy. Hiring intern is underway. Fleet is working toward generating report.	The City subscribes to Planet Footprint to generate quarterly reports on electricity. Fleet also has a program detailing fuel consumption and mileage.
	Support	Trans, Utilities, IT			
	Partners	Planet Footprint			

Goal 1.2: Decrease energy consumption in City Operations by 20% per square foot of facilities by 2020

Actions	Departments & Partners		Indicators	2012 Status	2013 Status
1.2a Conduct energy assessments on City facilities to identify and quantify opportunities for savings.	Lead	Public Works/FM	Number of assessments; Energy costs and kWh savings realized.	EPE SCORE Plus Energy Benchmarking Report (Oct 27, 2011) assessed 27 buildings. Opportunity Assessments: Judicial Complex, JHWWTP. Energy Master Planning Workshop Report July 19, 2012.	Facilities and Streets continue to retrofit projects based on the recommendations from the EPE SCORE Plus Benchmarking Report. We have added 12 new buildings for light retrofits. In addition, we have added an HVAC tune-up program to identify possible inefficiencies.
	Support	PW/FM/BS&M			
	Partners	EPE SCORE Plus			
1.2b Establish and capitalize an internal revolving (loan) fund to finance energy efficiency improvements.	Lead	Public Works/FM	Number of projects funded. Energy costs and kWh savings realized.	Revolving account was established under Fund 4001 -Infrastructure and Rehabilitation. Financial Services continues to research revolving fund set-up for energy savings. El Paso Electric bill consolidation may impact ability to set up fund.	This is still on-going. Issues with El Paso Electric internal processes and disbursement manager turnover have delayed completed of bill consolidation. This will most likely begin focus in the second quarter 2014.
	Support	Financial Services			
	Partners	None			
1.2c Establish policy for purchase of energy efficient equipment.	Lead	Financial Services	Amended Procurement Code	2011: First SO drafted policy. SO is working with Purchasing on this item. Electrical shop's internal policy is to replace lighting, motors, equipment with energy star rated when possible.	Draft SO Policy is restrictive and is in contradiction with procurement code and Federal grants processes. Advise future meeting with SO and Purchasing Manager to modify SO Policy to comply with Procurement Code and Federal grants requirements .
	Support	Public Works/FM			
	Partners	None			

Actions	Departments & Partners		Indicators	2012 Status	2013 Status
1.2d Establish standards for fuel efficiency by vehicle class in fleet purchases.	Lead	Transportation	Efficiency Standards. # Green vehicles. Reduction in fuel use.	Not started. Fleet plans to establish standards and look for funding to offset cost differentials for purchase of green vehicles.[i]	This has not yet been started by Fleet.
	Support				
	Partners	None			
1.2e Integrate energy efficiency considerations into preventative maintenance decisions.	Lead	Public Works/FM Transportation Utilities	Number of facility projects, savings realized.	Preventive Maintenance Coordinator is upgrading facilities with energy efficient & Energy Star equipment, and lighting replacements. New construction designed for energy efficiency & preventive maintenance.	Preventive Maintenance Coordinator (PMC) continuing lighting retrofits throughout City. PMC also created maintenance schedule for backup generators and emergency exits. Utilities continue to incorporate energy efficient materials in rehab and capital construction projects through ScorePlus.
	Support				
	Partners	None			
1.2f Monitor emerging energy efficiency technologies, and implement when they become cost effective.	Lead	Public Works/FM Transportation Utilities	# energy saving technologies implemented	El Paso Electric has shown staff technologies such as energy misers, pool pump controls, window solar screening, etc. Streets is conducting LED street light demonstrations. Five staff attended SCORE Plus Technical Workshop 2012. Fleet is comparing costs of green vehicles and hybrids with standard vehicles.	Streets Department has added two new LED streetlight demonstration projects in the Downtown area and University Avenue. The City is also a member of the ICMA (International City/County Management Association) Alliance for Innovation group that features emerging technologies. Contracted electrical engineers present emerging technologies with ScorePlus support. Water Conservation has a demonstration smart irrigation controller that saves water and energy.
	Support	Transportation Utilities			
	Partners	El Paso Electric SCORE Plus			
1.2g Institute a comprehensive set of policies and guidelines for employee behavior related to energy and resource	Lead	HR Public Works/FM	Number and type of training sessions or packages.	HR and SO met to discuss a sustainability training video. SO met with PIO to discuss production steps. Fleet has plans to create guidelines to garner compliance with fuel efficiency and preventive maintenance standards.	New SO met with HR and will begin training in 2014 with the new sustainability action plan.
	Support	Transportation Utilities, PIO All Departments			

conservation, and hold regular training to reinforce.	Partners	None			
Actions	Departments & Partners		Indicators	2012 Status	2013 Status
1.2h Design all new City buildings to attain LEED certification with a focus on maximizing points in the energy efficiency category.	Lead	Public Works/FM	LEED level attained. Energy savings realized.	2010 City Hall (LEED-Silver) 2011 - LC Convention Center (LEED-Gold) 2012 - Museum of Nature and Science - pending 2012 - Fire Station 7 designed to LEED standards - scheduled for spring 2013 completion 2012 Intermodal Transit Center designed to LEED standards - scheduled completion spring 2013	The Museum of Nature and Science LEED - silver certified in 2012. The Intermodal Transit Center (LEED -pending) and Fire Station 7 (LEED -pending) construction completed in 2013.
	Support	User Departments			
	Partners	Project Architects and Design / Build firms; Commissioning Firms			
1.2i Select the most efficient replacement available when water pumps reach the end of their useful life.	Lead	Utilities	Number of pumps replaced; energy savings realized.	SO is meeting with Utilities on energy efficiency programs. SO is scheduling SCORE Plus workshop for Utilities in Spring 2013 to address energy efficient equipment. Utilities is generating list of pumps for JHWWTP, wells, and lift stations.	Utility pursues the most efficient pumps using natural gas. Have contemplated variable frequency drives, but have a much higher capital cost.
	Support	PW/FM/SO			
	Partners	EPE SCORE Plus			
1.2j Reduce fleet size and consider fuel economy in the decision process.	Lead	Transportation	# and MPG of vehicles removed.	In 2011, reduced Fleet by 18 units. Average was 15 MPG.	Fleet is reviewing the City's inventory to determine what units can be removed from existing inventory.
	Support				
	Partners	None			
Goal 1.3 Encourage and enable residents and businesses to reduces per capita energy consumption by 20% by 2020					
Actions	Departments & Partners		Indicators	2012 Status	2013 Status
1.3a Establish a revolving loan fund or similar mechanism to	Lead	Community Dev	Number of retrofits funded, actual energy	Department of Energy weatherization program was run by Community Action Agency of Southern New Mexico (CAASNM), and is currently coordinated	Department of Energy weatherization program was run by Community Action Agency of Southern New Mexico (CAASNM), and is currently coordinated by Southern New Mexico Housing Development Corporation (Deming).
	Support	Financial Services			

finance weatherization and energy efficiency retrofits to qualifying private homes and businesses.	Partners	Tierra del Sol, Southern NM Housing Development Co, Green Works	savings.	by Southern New Mexico Housing Development Corporation (Deming).	
Actions	Departments & Partners		Indicators	2012 Status	2013 Status
1.3b Hold training sessions on energy efficient behavior, appliances, and construction.	Lead	Public Works/FM	Number of events, Number of attendees	Not Started. El Paso Electric promotes buying Energy Star Appliances through bill inserts. EPE conducts a LivingWise program for 5th graders in Las Cruces.	SO covered energy efficient practices in several articles in the newsletter. SO will be working with MoNas on educational displays related to energy efficiency.
	Support	PIO			
	Partners	El Paso Electric CAASNM Home energy raters			
1.3c Adopt and enforce the 2009 International Energy Conservation Code or equivalent.	Lead	Community Development	Adoption of Code.	October 1, 2012, Council passed ordinance to adopt the 2009 New Mexico Energy Conservation Code based on 2009 International Energy Conservation Code which includes 2009 International Energy Conservation Code.	Preventive Maintenance Coordinator (PMC) continuing lighting retrofits throughout City. PMC also created maintenance schedule for backup generators and emergency exits.
	Support				
	Partners	None			
1.3d Emphasize energy efficiency standards in HUD-related programs.	Lead	Community Development	Number of retrofits completed.	See list below. 2011: $130,000 CDBG grant funded 3 rehab projects. 2012: $225,000 CDBG grant funded 5 rehab projects.	PY12/13: $163,000 CDBG grant funded 3 rehab projects. The total home rehabilitation projects include energy efficiency retrofits including: Energy Star windows, doors, heating, water heating equipment and insulation above code minimum installed.
	Support				
	Partners	Community Development Block Grant funding			
1.3e Consider adding blower door tests as an inspection option to meet energy efficiency standards.	Lead	Community Development	N/A	Not Started.	Tests done by third party contractor.
	Support				
	Partners	None			

Objective 2: Accelerate Deployment of Renewable Energy

Goal 2.1 Supply 10% of the City's electric needs from on-site renewable sources by 2020

Actions	Departments & Partners		Indicators	2012 Status	2013 Status
2.1a. Execute grants to install photovoltaic and small wind systems at Convention Center and Museum of Nature and Science.	Lead	Financial Services Community & Cultural Services	Number of kW installed capacity, annual kWh generation.	2011: PV array (71.8 kW DC) installed at LC Convention Center. Generated over 135,000 kWh in the first year. 2012: PV array (23.04 kW DC) installed at MoNaS Estimate: 3,400 kWh/month. Three wind turbines installed including one grid-tied Sanya Sky Pump to power GE WattStation TM for charging electric vehicle; and two off-grid Energy Balls® V100 to power hybrid LED parking lot area lighting.	2013: City Hall Parking Deck Solar Array (105 kW DC) installed in Spring 2013. Generated approximately 120 kwh from May to December 2013.
	Support				
	Partners	None			
2.1b Pursue third party power purchase agreements to finance installation of photovoltaic systems on City property.	Lead	Legal	Installed capacity (kW); annual energy generation (kWh)	March 2011, RFP was issued. City entered contract negotiations with selected firm. Payback wasn't sufficient to pursue the contract. See notes on December 17, 2012 Council Resolution No. 13-079.[ii]	The ability for the City to engage in these third party power purchase agreements is presently legally very limited and difficult. The City should thoroughly review its third party purchase matters with El Paso Electric and the solar and wind individuals and entities.
	Support	Public Works/FM Financial Services Administration			
	Partners				
2.1c Investigate the feasibility of adding solar-powered lighting to bus shelters to enhance nighttime security.	Lead	Public Works/FM Transportation	Number of shelters equipped.	Transit is considering solar lighting in bus shelters, has no immediate funding. There are companies that produce solar lighting retrofit kits for bus shelters. Vandalism issues are a concern.	Financial Services in support role, most likely in the arena of Purchasing once funding is obtained.
	Support	Financial Services			
	Partners				

Goal 2.2 Displace 20% of fossil-based transportation fuel with renewable sources by 2020

Actions	Departments & Partners		Indicators	2012 Status	2013 Status
2.2a Utilize B20 (20% biodiesel), preferably locally produced using yellow grease in all approved diesel engines.	Lead	Transportation	Gallons of petrodiesel displaced.	Approximately 33% of City diesel vehicles fueled with biodiesel. Sometimes diesel cost less than B20. Diesel recommended in cold months. State legislation: By 2015, diesel vehicles use B5 minimum.	Fleet is re-evaluating the use of biodiesel. Estimated that 400-450 City diesel vehicles are currently using biodiesel. The maintenance of biodiesel is under review. Fleet vehicles using biodiesel are experiencing higher maintenance costs in cold months - which need to be evaluated further.
	Support	Financial Services			
	Partners	None			
2.2b Pursue funding for purchase and evaluation of electric and plug-in hybrid vehicles for trial and evaluation.	Lead	Transportation	Gallons of gasoline and diesel replaced.	Parks and Recreation test drove an electric utility vehicle - GEM (Global Electric Motorcar) that plugs into 110-volt outlet and travels 35 miles per charge. Transit purchased hybrid truck. Public Works is collecting specifications for electric vehicles.	Fleet has not evaluated electric/plug-in hybrid vehicles for cost/annual maintenance.
	Support	Financial Services			
	Partners	None			
2.2c Investigate the feasibility of incorporating electric vehicle charging stations with renewable energy installations.	Lead	Transportation	Number of charging stations installed. Gallons of fuel displaced, kWh used for vehicles.	A grid-tied Sanya Sky Pump will power GE WattStation ™ and an LED street lamp at MoNaS. SO is talking with companies about EV charging stations.	Fleet has not investigated the use of charging stations.
	Support	Public Works Financial Services			
	Partners	None			

Goal 2.3: Help enable renewable energy installations on 20% of private buildings by 2020

Actions	Departments & Partners		Indicators	2012 Status	2013 Status
2.3a Give property owners the option of financing renewable energy installations through special property tax assessments.	Lead	Doña Ana County	Number of participants, installed renewable energy capacity.	Not Started. First SO was working with Dona Ana County on implementing *PACE financing program. The program has been put on hold. SO continues research on this issue.[iii]	The SO is researching solar gardens for an upcoming council work session.
	Support				
	Partners	None			
2.3b Provide outreach on available financial incentives and expected return on investment for renewable energy installations.	Lead	Public Works/FM	Number of sessions and participants	Not Started.	Presented on return on investment of renewable and energy efficient City projects at the Green Chamber of Commerce Renewable Energy Conference.
	Support	PIO			
	Partners	Renewable energy contractors NM EMNRD			
2.3c Ensure permitting and inspections of renewable energy installations are as inexpensive and streamlined as possible.	Lead	Community Dev	Number of permits processed, Number and type of trainings completed.	On October 1, 2012, Council adopted the Uniform Solar Energy Code. No revisions to the application or review process. Permitting is already streamlined. Some inspectors attended classes related to PV technology.	The city is doing this and it is an ongoing process
	Support				
	Partners	None			

Goal 2.4: Attract renewable energy manufacturing and utility scale solar energy generation installations to provide green jobs in the area

Actions	Departments & Partners		Indicators	2012 Status	2013 Status
2.4a Market large developed parcels in West Mesa Industrial Park for manufacturer or assembly of renewable energy equipment.	Lead	Admin/Eco Dev	Number of facilities, Number of jobs created.	In 2012, 2 solar manufacturing companies met with CLC Economic Development and were provided information on West Mesa Industrial Park. Most recent activity has been distributed power generation (residential and commercial).[iv]	Ongoing recruitment of large scale manufacturers of renewable energy equipment. Currently no new leads. additional/alternative projects: West Mesa Industrial Park being branded as a green business cluster including recruitment of algae companies and renewable energy businesses besides strictly solar
	Support	Public Works/FM			
	Partners	MVEDA DACC for workforce training			
2.4b Work with the Federal Aviation Administration to allow photovoltaic generation facilities on airport property.	Lead	Transportation	N/A	FAA is scheduled to issue a “Program Guidance Letter” regarding zoning and land use on or near airports in upcoming months.	FAA has not issued a "Program Guidance Letter" regarding the use of photovoltaic generation facilities on airport property.
	Support	Admin/Eco Dev			
	Partners				
2.4c Identify City-owned lands that may be suitable for private development of utility-scale solar generation facilities.	Lead	Admin/Eco Dev	N/A	The City leased 139.7 acres of city-owned land on the West Mesa to Sun Edison which constructed the 12 MW (AC) Las Cruces Centennial Solar Farm in partnership with El Paso Electric.	Participate in regional clean energy initiative addressing regulatory and workforce issues related to increasing renewable energy options. Supporting DoD efforts to bring nearby installations to net zero energy levels. Assisting energy producers submitting renewable portfolio options to El Paso Electric. Lease city land for 2 utility scale power generation facilities.
	Support				
	Partners				
2.4d Establish a protocol for permitting and inspection of utility-scale renewable energy installations.	Lead	Community Dev	N/A	CD permits and inspects site work only, not electrical for utility scale that is part of the transmission system. CD uses normal rules for permitting and inspecting private “utility scale” projects. Will review process when amending building code.	Completed. There is a protocol for permitting and inspection of utility-scale renewable energy installations.
	Support	Admin/Eco Dev			
	Partners				

Goal 2.5: Encourage the voluntary purchase of green energy credits for those who cannot install renewable energy on their property					
Actions	Departments & Partners		Indicators	2012 Status	2013 Status
2.5a Co-promote participation in El Paso Electric's Voluntary Renewable Energy Program.	Lead	PW/FM/SO	Number of program participants	Not Started. El Paso Electric has attained above its goal for distributed generation (solar on homes and businesses). EPE Renewable Energy Credits (REC) will go from $0.06/kWh in December 2012 down to $0.02/kWh in July 2013. Note: (City's RECs are locked in until 2020).	The City has promoted the Renewable Energy Program through reports of its continued savings in its newsletter and presentations in the Green Chamber of Commerce Renewable Energy Conference.
	Support	Community Dev PIO			
	Partners	El Paso Electric			
2.5b Investigate the feasibility of a partnership with a green credit broker	Lead	PW/FM/SO	Number of program participants	SO is gathering information on this action.	The Sustainability Office reviewed how this partnership worked in other cities and found that there is no national standard for purchasing and spending green credits.
	Support	Financial Services			
	Partners	None			

Objective 3: Ensure a Sustainable Water Supply

Goal 3.1 Continuously monitor water consumption in City buildings, parks and other operations

Actions	Departments & Partners		Indicators	2012 Status	2013 Status
3.1a Produce a quarterly report of water consumption covering all City activities.	Lead	PW/FM/SO	Number of quarterly reports.	Planet Footprint will generate quarterly reports when it receives usable data from the City.	The City subscribes to Planet Footprint to generate quarterly reports on water consumption. In addition, the water conservation coordinator has run audits on numerous City facilities.
	Support	Utilities			
	Partners	Planet Footprint			

Goal 3.2 Reduce water consumption in City operations by 5% per square foot of managed space

Actions	Departments & Partners		Indicators	2012 Status	2013 Status
3.2a Ensure that all new fixtures installed use the least amount of water that is practical for the application.	Lead	Public Works/FM & Building Systems and Maintenance	Number and types of installations, gallons of water saved.	The City's Design and Construction Services ensures new construction meets Uniform Building Code in all construction projects. LEED points are awarded for water conservation measures. Refrigerated air conditioning units are installed instead of evaporative coolers.	The City partnered with El Paso Electric and the SCORE PLUS program to identify and replace all of the aerators on faucets on City Buildings that have electric water heating systems. The new aerators are a .5 GPM (1.9 LPM) flow rate.
	Support	Utilities			
	Partners	None			
3.2b Identify City properties with underutilized turf that can be replaced with xeriscaping or as funding allows.	Lead	Parks & Rec	Acres identified and treated, gallons of water saved.	Funding needs to be secured to purchase rock, ground cover, and perform the necessary irrigation upgrades. In 2012, LC Utilities Building Water Wise Demonstration Garden replaced turf with xeriscaping and irrigation.	Several small areas along City ROW have been addressed; sod removal was conducted, planting and rock mulch added. Additional spaces have been identified; these areas will be addressed as funding is identified.
	Support	Public Works/FM Utilities			
	Partners	None			

Goal 3.3 Reduce applicable non-revenue water contributions in the distribution system from 13% to 9% of total diverted water by 2045

Actions	Departments & Partners		Indicators	2012 Status	2013 Status
3.3a Conduct audits of water distribution infrastructure to determine items for corrective action.	Lead	Utilities	Leaks located, water saved, percent non-revenue water used.	Not Started. Assessing technology to assist with water distribution infrastructure examinations.	Water conservation officer continue to run water audits as requested. 3.3a Conduct audits of water distribution infrastructure to determine items for corrective action before they might otherwise be noted.

Goal 3.4: Reduce community wide water consumption rate to 180 gal/person/day by 2030

Actions	Departments & Partners		Indicators	2012 Status	2013 Status
3.4a Complete and adopt Phase II of the water conservation plan which includes provisions for extended drought.	Lead	Utilities	N/A	Las Cruces Utilities Water Conservation Plan completed in March 2012. State Engineer's Office (SEO) has reviewed the document. Once Utilities receives SEO's letter of acceptance, staff will present the document to the Utilities Board for adoption.	Still waiting for SEO's letter of acceptance.
	Support				
	Partners	Office of the State Engineer			
3.4b Offer public workshops and multimedia educational materials to educate residents and business owners about water saving opportunities.	Lead	Utilities	Number of sessions hosted, number of participants, materials distributed, number of media pieces.	FREEZING Weather Video. Do you have a Bad Flapper? campaign. Twelve Green Connections Articles. 100 PSA's aired on CLC-TV for 100 Ways to Save Water. JHWWTP Virtual Tour. Sustainability Newsletter articles. Utilities designated as host institution for Project Wet.	Water conservation involved in several projects including: Lush and Lean workshops and water festival. PSA on "Where does your water come from?" PSA's on CLC TV
	Support	PW/FM/SO PIO			
	Partners	Media, Office of State Engineer, NM Water Conservation Alliance			
3.4c Offer free water audits to generate custom recommendations for property owners to save water, and follow-up with participants to track savings.	Lead	Utilities	Number of audits conducted, number of retrofits performed, gallons of water saved.	In 2012, Water Conservation Coordinator conducted a total of 375 water audits: 30 City buildings. 4 Commercial buildings. 29 SF Residential units. 309 Multi-Family units. 3 Landscapes. If recommendations implemented, could contribute to saving 32.5 million gallons.	Continue to offer audits upon request.
	Support	PIO City Departments			
	Partners	Home Owners Business Owners			

Goal 3.5 Improve awareness, compliance and enforcement of existing water conservation ordinance

Actions	Departments & Partners		Indicators	2012 Status	2013 Status
3.5a Improve water waste reporting hotline response and	Lead	PD/Codes	Number of complaints, number of	When enforcing the Water Conservation Ordinance, Codes Enforcement Officers provide education when offenses	Adding a waste water hotline to our website. In the process of developing educational literature for the public.
	Support	Central Dispatch			

recording.		Utilities	resulting responses.	reported and cite repeat offenders. In 2011, Codes Officers issued 3 citations.	
	Partners	None			
3.5b Initiate a progressive punishment system for the water conservation ordinance, including warnings and education for first offenders.	Lead	PD/Codes	Number of complaints, number of resulting responses.	Current penalty clause is progressive for offenses: Residential / Non-Residential $50 offense 1 / $100 offense1 $100 offense 2 / $250 offense 2 $250 offense3 / $500 offense3 80% Complete Target Start: 2Q 2012	Number of offenses is down this year to date. Only one violation required a citation which resulted in first offense fines. Officers continue to educate the public on this issue with good results. additional/alternative projects: Codes is working on a plan to help address commercial areas.
	Support	Utilities			
	Partners	None			

Goal 3.6: Increase the use of non-traditional water sources throughout the community

Actions	Departments & Partners		Indicators	2012 Status	2013 Status
3.6a Pursue grants or other funding opportunities to incentivize a variety of water conservation, by residents and businesses.	Lead	Utilities	Installed systems, gallons captured.	*Water Conservation submitted four grant applications to Bureau of Reclamation – none funded.	Water Conservation continues to monitor grant applications.
	Support	Financial Services			
	Partners	Bureau of Reclamation			
3.6b Work with interested developers to make reclaimed water available to new developments	Lead	Utilities Community Dev	Number of connections, gallons delivered.	[v]One developer has used reclaimed water for dust control. The Design Standards Committee will review the use of reclaimed water. Utilities has installed two purple fire hydrants and provided effluent from JHWWTP for the IBWC Levee Project.	Reclaimed water is used on Sonoma Ranch Golf Course, City Landfill, Centennial High school and 4 other city parks. It is also available for construction work.
	Support				
	Partners	Developers			

Objective 4: Reduce Solid Waste and Recycle Solid Waste

Goal 4.1: Increase the recycling rate at City operated facilities to 35% by 2015

Actions	Departments & Partners		Indicators	2012 Status	2013 Status
4.1a Determine the baseline recycling rate at City operated facilities.	Lead	PW/FM/SO	Tons of material collected.	Base recycling rate at City facilities determined to be approximately 90.4 tons per year. In 2013, 2SCSWA (South Central Solid Waste Authority) will submit monthly tracking data for better accuracy.	South Central Solid Waste Authority developed a monthly tracking data for better accuracy. Under this new measurement system the City of Las Cruces collected 72 tons of recycled material in 2013.
	Support	SCSWA			
	Partners	None			
4.1b Increase employee education related to recycling, including benefits and accepted materials.	Lead	PW/FM/SO	Number of educational messages delivered, change in recycling rate.	Articles in the Sustainability Newsletter.	New SO will begin new employee training in 2014 with the new sustainability action plan.
	Support	PIO, HR			
	Partners	Keep Las Cruces Beautiful			
4.1c Increase the number of convenient drop off points for recycling throughout City work spaces.	Lead	Public Works/FM	Number of participating facilities, number of collection points by type.	Large bins and desk-top bins distributed at City buildings.	City Employees continue to use desk-top bins distributed at City buildings.
	Support	SCSWA			
	Partners				
4.1d Expand composting operations at City facilities that have kitchens.	Lead	Senior Programs	Number of gallons of material diverted.	In January 2010, Senior Programs began sending approximately 25 pounds of daily food scrap composting to Fairlight Community Garden on Amador.	Due to changes in personnel at the Fairlight Community Garden, the City is unable to currently provide material towards composting and this effort required additional staff time to make deliveries to garden, which impacted operations. Additional/Alternative projects: None.
	Support	None			
	Partners	Fairlight Community Garden			

Goal 4.2: Achieve a 30% recycling rate for Dona Ana County by 2020

Actions	Departments & Partners		Indicators	2012 Status	2013 Status
4.2a Implement curbside recycling for SF throughout City.	Lead	SCSWA	Household participation rate, tons of material collected and diverted.	Single-family curbside recycling began in April 2011 for 30,000 homes. Curbside participation is around 68%.	In 2012, 7500 Tons of recyclables were collected. Current customer count is 30,800 and participation is at 69%.
	Support	None			
	Partners	None			
4.2b Encourage increased awareness of and participation in the commercial/multi-family recycling program.	Lead	PW/FM/SO	Number of educational messages delivered, change in recycling rate.	51 commercial accounts added in 2012. In 2011, each school in LCPS provided with recycling bin and classroom containers. On September 7, 2012, Las Cruces Green Chamber of Commerce held recycling workshop for businesses.	The Sustainability Office continues to promote the benefits of recycling in Newsletter and during outreach events.
	Support	SCSWA, PIO			
	Partners	LCPS Chambers of Commerce			
4.2c Support efforts at recycling education with school children and the community as a whole.	Lead	Keep Las Cruces Beautiful (KLCB)	Number of events and published messages.	LCPS has a School Waste Reduction and Sustainability Plan. Participation rate at 60%. Susanne Michaels and KLCB conduct Recycling Rallies at Public Schools.	KLCB continues to implement the L.I.B.B.Y program in the LCPS districts. Codes Section also utilizes L.I.B.B.Y. in special events throughout the region.
	Support	PIO			
	Partners	LCPS			
4.2d Provide convenient recycling containers for public use at City parks and outdoor events.	Lead	Parks & Rec	Number and location of containers, amount of material collected.	Several issues identified that need to be addressed before implementation can proceed. Meetings scheduled between Parks & Rec and SO.	Project requires additional funding for labor and logistics.
	Support	PW/FM/SO Economic Dev			
	Partners	SCSWA			
4.2e Relocate several existing recycling drop-off containers from the city center to the edges of the city and	Lead	SCSWA		All 8 County Collection Sites have recycling drop offs. Anthony, NM has a drop off at their Sheriff's office. http://www.thescrappypages.com/	Completed.
	Support	None			
	Partners	None			

beyond.					
4.2f Investigate ways to enable the collection of glass.	Lead	PW/FM/SO		Fall 2010, NMSU Arrowhead Center found no market for glass and shipping costs outweigh energy saved from recycling. City is still investigating this issue. Solid waste engineers are reviewing possible applications for glass.	In June of 2013 the Glass Recycling Sub-Committee was established. We have identified several possible uses for glass cullet and are in the process of developing a pilot program. We plan to have the pilot program ready for launch by Summer 2014.
	Support	Admin/Eco Dev			
	Partners	SCSWA, NMSU			
4.2g Investigate the feasibility of implementing a "pay as you throw" system.	Lead	SCSWA		Contract with Friedman Recycling began in 2011 and is for 5 years. No change will be made before 2016.	No Changes
	Support	PW/FM/SO			
	Partners	Friedman Recycling			
Goal 4.3: Increase the amount of municipal compost utilized throughout community					
Actions	Departments & Partners		Indicators	2012 Status	2013 Status
4.3a Promote compost availability in print, online, and on CLC-TV.	Lead	Utilities	Number of promotional pieces, number of website hits, volume of compost collected.	Information posted on Utilities website. 30% Complete Target Start: 2Q 2011	Information posted on Utilities website and in news articles.
	Support	Utilities/Water Cons PW/FM/SO, PIO			
	Partners	SCSWA			

Objective 5: Prevent Air and Water Pollution

Goal 5.1 Reduce emissions from City vehicles

Actions	Departments & Partners		Indicators	2012 Status	2013 Status
5.1a Achieve better compliance with vehicle anti-idling policy through improved education and progressive enforcement.	Lead	Transportation	Fuel efficiency of individual vehicles, received, reduced frequency of engine replacement.	No formal City anti-idling policy has been approved. By looking at engine hours versus miles, Fleet can determine idling and engine wear. Fleet is looking to develop a City anti-idling policy in the near future.	Fleet needs to re-evaluate the mechanisms in which to educate user departments on anti-idling and look at means of enforcement. Fleet is introducing this policy with new City staff at "New Employee Orientation."
	Support	HR			
	Partners	None			
5.1b Retrofit diesel engines with emission control devices as funding permits and pursue funding.	Lead	Transportation	Number of retrofits, reduction of emissions.	Not started. Fleet is heading in the direction of creating a retirement/replacement schedule. 2007 diesel engines significantly reduced emissions. 2010 diesel engine technology reduced emissions even more.	Financial Services in support role, most likely in the arena of Purchasing once department decides to proceed with the project. Funding is not available to retrofit diesel engines with emission control devices.
	Support	Financial Services			
	Partners	None			
5.1c Conduct regular emissions testing of all City vehicles.	Lead	Transportation		Fleet purchased a 5-gas exhaust analyzer to test gasoline vehicles and diesel engines. Diesel vehicles have an opacity meter test twice a year.	Equipment purchased does not test emissions. Fleet staff is not trained or certified to conduct emissions testing.
	Support				
	Partners	None			

Goal 5.2: Minimize soil and water pollution resulting from maintenance of City facilities

Actions	Departments & Partners		Indicators	2012 Status	2013 Status
5.2a Improve tracking and reporting the application of fertilizer, pesticide and herbicide.	Lead	Public Works/ Engineering Services	NPDES compliance	In 2011, Parks & Rec provided list of amounts of fertilizer, pesticides, herbicides, etc. Better tracking needs to be implemented as required by NPDES permit.	Parks and Rec will explore GIS tracking technology for reporting rates and areas treated with herbicides and fertilizers
	Support	Parks & Rec Transportation			
	Partners	None			

5.2b Document and expand a program of Integrated Pest Management (IPM).	Lead	Parks & Rec	Reduction in quantity of synthetic pesticides applied, quantity and type of alternatives used,	Water Conservation is coordinating an IPM training for Parks & Rec and Streets for early 2013.	Best management practices continue to be utilized; ongoing research and documentation continues.
	Support	Utilities/Water Cons PW/FM/SO PW/Watershed			
	Partners	NMSU, State			

Goal 5.3: Improve the capacity to identify and mitigate non-point source water pollution

Actions	Departments & Partners		Indicators	2012 Status	2013 Status
5.3a Participate in the regional Paso del Norte Watershed Council.	Lead	Public Works/ Engineer Services	N/A	Peter Bennett in Public Works serves as executive committee member on the council.	Peter Bennett in Public Works continues to serve as executive committee member on the council.
	Support	Parks & Rec Transportation			
	Partners	None			
5.3b Establish a comprehensive geodatabase of all stormwater infrastructure.	Lead	Public Works/ Engineer Services Utilities/	N/A	Waiting for IT/GIS to set up geodatabase and show Public Works how to convert data points to Arcmap ready files. Information will be used for flood control and storm-water management.	Network Stormwater geodatabase has been established. Still waiting to get assistance from the GIS analyst to bring in points to the geodatabase. The short term goal is to input critical stormwater data first that will have the most immediate benefit for program and planning needs.
	Support	IT/GIS			
	Partners	NMSU			

Goal 5.4: Reduce the number of air quality violations due to particulates and retain attainment status for air pollutants

Actions	Departments & Partners		Indicators	2012 Status	2013 Status
5.4a Amend dust control ordinance to reduce the amount of fugitive dust, education, enforcement.	Lead	Community Dev	Number of complaints and citations, number of PM 10 violations	July 16, 2012, Council adopted Erosion Control Ordinance. CD is hiring Environmental Compliance Officer to administer and enforce ordinance. NMSU is studying 2 Dust Control Demonstration sites.	NMSU Dust control demonstrations completed and data analysis is in progress. Tap with meter available at purple pipe at Lohman and Sonoma Ranch. Environmental Compliance Officer hired. Wind Erosion Control Plans currently being reviewed. Inspections currently being performed on sites. Erosion tip line created on city website to facilitate complaints. For Fiscal Year 2013 there were 252 complaints and 4 citations issued.
	Support	Public Works/ Engineering Services PD/Codes			
	Partners	None			

5.4b Deploy Intelligent Transportation Systems to improve signal timing.	Lead	Transportation	Change in Traffic delay at treated locations.	2011 and 2012 Projects: Emergency pre-emption deployed at Picacho. ITS deployed at the intersection of Alameda and Valley. ITS (Wireless Communication used) has been deployed at following intersections: Northrise at Roadrunner, Mesa Grande at US 70, Sonoma Ranch at US 70, Rinconada at Northrise, Valley at Toshiro, Valley at McClure, Valley at Hoagland, Rinconada at Northrise intersection, Valley intersections.	Battery backup installed for signals on 23 intersections and preemption installed in 12 intersections. Emergency preemption in place for all major traffic signal zones except Main at Solano, Madrid and Spitz. Upgraded controllers and cabinets were installed at five intersections. Plans are underway to implement a new Traffic Management System, install fiber optic interconnect along portions of US70/Main Street and portions of Lohman Avenue, and corresponding controller upgrades. Real-Time Bluetooth technology that provides travel time information is currently being tested along portions of Lohman Avenue.
	Support	MPO			
	Partners	None			
5.4c Promote the use of reclaimed water for dust control applications.	Lead	Utilities Community Dev	Increase in water sales from Water Reclamation Plant.	One developer opened an account to use reclaimed water for dust control. Streets has been encouraged to open an account to use reclaimed water in street sweepers.	The City advertises and promotes reclaimed water use on construction sites
	Support	Transportation			
	Partners	Developers			

Goal 5.5: Increase public knowledge of the important contributors to water pollution

Actions	Departments & Partners		Indicators	2012 Status	2013 Status
5.5a Educate the public about prevention of non-point source water pollution.	Lead	Public Works/ Engineering Services	Number of airings, number of website hits, number of newsletter articles and deliveries.	City's Storm-water Pollution Prevention (SPP)Program actively involved with identifying probable sources or Non-Point Source Pollution in our Watershed. Summer 2012 aired Pet Waste PSA in Allen Theatres. May 2012 Sustainability Newsletter article on SPP.	Waiting on the new MS4 draft permit from the EPA. We will need to update or write a new Stormwater Management Plan (SWMP) and submit a new Notice of Intent (NOI). Program implementation is ongoing. Currently we are trying to establish a project schedule that tracks program requirements, budget costs and expenses.
	Support	PIO PW/FM/SO			
	Partners	None			
5.5b Host educational booths at special events and visit schools to educate about pollution prevention.	Lead	Public Works/ Engineering Services		Provides exhibit booth outreach at several events annually. Has conducted programs in schools. Created Stormwater and our Watershed book for children in English & Spanish.	Outreach is ongoing. Most recently gave a wildlife science class from NMSU a tour of the Las Cruces Dam restoration project (1135) area. Also attended the sustainability day at NMSU.
	Support	Utilities/ PW/FM/SO			
	Partners	None			

Objective 6: Encourage Sustainable Development and Transportation Options

Goal 6.1 Increase the convenience and public access to transit as a way to decrease transportation related energy consumption, increase transportation system capacity, and lower household transportation costs

Actions	Departments & Partners		Indicators	2012 Status	2013 Status
6.1a Up-zone properties close to transit corridors to allow greater density, more affordable housing, transportation choice.	Lead	Community Dev MPO	Number of units developed within walking distance of transit.	Work in Progress. Planning process has identified transit corridors and is completing a land use survey. Long Range Transit Plan completed in February 2012.	Staff continues to review development proposals submitted to the department for upzoning possibilities particularly when said properties are located along transit routes. Re-zoning of property involves the active participation of the property owner and their representatives and thus, even if staff identifies upzoning potential for inclusion of high-density development, the property owner ultimately has the say as to how said property will be developed in context to zoning allowances and development standards.
	Support	Transportation			
	Partners	None			
6.1b Create a system of pre-paid transit passes for NMSU and DACC students and faculty.	Lead	Transportation	Number of riders from NMSU and DACC.	A one-year U-Pass demonstration began in August 2012, to gather data for negotiations to create a formal "unlimited access agreement."	In the 2013-2014 year NMSU is issuing semester-long U-Passes to current students carrying 12 credit hours or more. They are paying $67.50 for each pass issued. This phase of U-Pass development will be evaluated at the end of the school year.
	Support	MPO			
	Partners	NMSU, DACC			
6.1c Complete Intermodal Center design and construction.	Lead	Public Works/FM Transportation	N/A	On July 17, 2012, the City held a groundbreaking for ITC. Expected completion is Spring 2013.	Construction of the Intermodal Center was completed in fall of 2013
	Support	MPO			
	Partners				
6.1d Enable transmission of real-time bus arrival information at bus stops and via cell phones.	Lead	Transportation	Number of information outlets.	Transit is working with IT to have RFP issued in January and system installed no later than the first of August to use to the stimulus funding.	November 2013 a contract was awarded to begin implement a Transit CAD/AVL program. It is funding buy the stimulus (ARRA) program and should be completed by summer 2014.
	Support	MPO, IT			
	Partners				

Goal 6.2 Achieve Bicycle Friendly Community designation from the League of American Bicyclists

Actions	Departments & Partners		Indicators	2012 Status	2013 Status
6.2a Integrate cyclist safety into roadway maintenance & reconstruction projects.	Lead	Transportation	Number and location of upgraded bicycle facilities.	Bicycle facilities are regularly integrated into road reconstruction and rehab projects. 60 miles of in-road bicycle facilities: 47 miles bicycle lanes, 18 miles routes with signage, 2 miles marked shared lanes. Thirteen miles paved and 2 miles unpaved shared-use paths.	Approximately 15,760 linear feet, or almost 3 miles, of new exclusive or shared bicycle lanes were added to the City roads in 2013 through collaboration with pavement maintenance projects by Public Works. The multiuse loop around the City is 75 per cent complete.
	Support	MPO			
	Partners	MPO Bicycle and Pedestrian Facilities Advisory Board			
6.2b Incorporate sharrows where appropriate.	Lead	Transportation	Number of applications, number of recorded incidents at affected locations.	Work in progress – most existing sharrows (pavement markings) mark bike lanes.	Approximately 2750 linear feet, or just over 0.5 miles, of new shared bicycle lanes were added to the City Roads in 2013 through collaboration with pavement maintenance projects by Public Works. Sharrows and corresponding signage will be installed as part of these improvements.
	Support	MPO, PW			
	Partners	MPO Bicycle and Pedestrian Facilities Advisory Board			
6.2c Increase education and outreach activities related to bicycle safety and rules of the road.	Lead	MPO PD/Codes Enforce	Number media outreach activities, number of events and participants.	In November 2012, City adopted new bicycle laws. MPO has a Safe Routes to School Coordinator who coordinates events. In May 2012, MPO coordinated Bike to Work Day events.	Continue to hold Bicycle Rodeos in the LCPS districts as well as special projects with local Civil Groups. Developed an adult bicycle safety classes which include on the road bicycle repair and in home bicycle maintenance.
	Support	PIO			
	Partners	MPO BPAC Task Force, Media, LCPS, NMSU			

Goal 6.3 Complete and implement plans in the core of the City that encourage revitalization and reinvestment in existing neighborhoods and commercial areas.					
Actions	Departments & Partners		Indicators	2012 Status	2013 Status
6.3a Complete public improvements to downtown area.	Lead	Public Works Transportation	Number of completed projects, additional funding pursued and secured.	Downtown Master Plan implementation is a work in progress. Main Street improvements are complete.	Downtown Charrette held October 7-11. Final report delivered November 15. Under staff review
	Support	Admin/Eco Dev, MPO Community Dev			
	Partners	LC Downtown Partnership			
6.3b Pursue funding for redesign of University Avenue as a more multi-modal, pedestrian friendly facility.	Lead	MPO Financial Services	Funding pursued and secured.	Project listed in ICIP. Funding not yet identified.	Due to size of project, funding is difficult to obtain for entire project. Grants section monitors for potential State grant or State appropriations that may become available through project staging. Ongoing for many years.
	Support	Community Dev Transportation			
	Partners	NMSU			
6.3c Complete Picturing El Paseo planning and public involvement project.	Lead	Community Dev MPO	Number of events, number of participants, delivery of vision document.	On June 18, 2012, City Council adopted by resolution the El Paseo Corridor Community Blueprint.	The Smart Growth Implementation Assistance Program (Picturing El Paseo) was completed resulting in a Public Involvement Plan considered to be a toolkit for public engagement (June, 2011), Final Report (August, 2011), an El Paseo Road Safety Audit (October, 2010), Preliminary Brownfield Assessment (July, 2011), Green Infrastructure Conference (August, 2010) and finally an El Paseo Community Blueprint (June 18, 2012).
	Support	PW/FM/SO Admin/Eco Dev Transportation			
	Partners	US EPA, US DOT, HUD			
6.3d Explore policies to encourage development or sale of underutilized property in the City core.	Lead	Community Development		This is scheduled to begin in summer 2013. The land use inventory is 90% complete which will show vacant and underutilized land.	The City presently has an Infill Plan and infill related ordinances within the zoning and subdivision codes. These ordinances allow flexibility toward how infill development or redevelopment of underutilized parcels may take place and be processed. As development proposals are brought in for consideration, staff routinely identifies opportunities to use infill related code in order to allow development or redevelopment on parcels that are often difficult to develop due to "existing conditions" associated with the parcel in question or the surrounding area.
	Support	Admin/Eco Dev			
	Partners	Property owners, Developers			

Goal 6.4: Encourage the development of green neighborhoods and homes throughout the community.					
Actions	Departments & Partners		Indicators	2012 Status	2013 Status
6.4a Create a streamlined development process for developments that meet certain green building criteria.	Lead	Community Dev	Number of certified subdivisions or construction projects.	In December 2011, the Consolidated Review Center began operations. Ongoing review process to increase efficiencies.	Ongoing efforts are still being made to review processes and make changes to increase efficiencies within the development review process.
	Support	PW/FM/SO			
	Partners	Building Industries Association of Southern New Mexico, Institute for Community Engagement			
6.4b Adopt a local version of the Smart Code that can be voluntarily substituted for standard development code.	Lead	Community Dev	Number of projects utilizing the Smart Code.	Work in Progress. Community Development have drafted RFPs for creation of form based codes for Downtown and El Paseo.	Several staff have educated themselves on matters related to smart code nuances. To date, Place Makers, a planning consultant has held a charrette for the downtown area looking at downtown needs and trying to determine the feasibility of a form based code for the area. Other areas have been considered through the amendment of the 1999 Comprehensive Plan although specific language speaking to this is likely to come out of the second phase of the plan amendment process with actual implementation taking place thereafter. No timeline for the implementation aspect has been identified.
	Support	PW/FM/SO			
	Partners				

Objective 7: Conserve Habitat and Ecosystems

Goal 7.1: Foster a network of wildlife habitat areas and corridors on City owned or maintained property

Actions	Departments & Partners		Indicators	2012 Status	2013 Status
7.1a Complete a maintenance plan and set of protocols for the Las Cruces Flood Control Dam.	Lead	Public Works	N/A	Project consultant completed The Las Cruces Flood Control Dam Draft Comprehensive Maintenance Plan. Posted on the City's website for comment period to close on January 15, 2013.	Las Cruces Flood Control Dam Comprehensive Maintenance Plan has been completed.
	Support				
	Partners	None			
7.1b Participate in the USACE ecosystem restoration project on the Las Cruces Flood Control Dam property.	Lead	Public Works	N/A	City has been the non-federal sponsor for this project. Project focuses on environmental restoration measures.	Completed the Implementation of the steps to establish an ecosystem restoration project in the flood pool area of the Las Cruces Dam.
	Support				
	Partners	U.S. Army Corps of Engineers			
7.1c Amend design standards to allow and encourage appropriate green infrastructure applications.	Lead	Community Dev	N/A	Designs Standards Committee has been meeting regularly to revise and draft new designs standards which includes green infrastructure.	Several sections are completed. Remaining sections considering green infrastructure components are Landscaping, Complete Streets, and Off-street Parking
	Support	Public Works Utilities			
	Partners	None			
7.1d Establish a formal urban forestry program for City parks and rights of way.		Parks & Rec	Tree canopy cover.	Tree Steward program started in summer 2012. Tree inventory in progress. Annual Arbor Day events held.	Initial tree inventory methodology has been developed. NMSU contract completed to develop the collection process. GIS Tech is scheduled to start on the input in the coming months.
		PD/Codes/ KLCB			
		State Forestry Office			

7.1e Complete Arroyo Preservation Plan and associated design standards.	Lead	Public Works Community Dev	N/A	Progress delayed on developing design standards for arroyo's due to need for planning to define issues (application guidelines and boundaries) to be included and excluded.	The Arroyo Plan is in draft form awaiting peer review. CC work session to discuss the plan and its elements is awaiting scheduling.
	Support				
	Partners	BLM, State, Dona Ana County			
7.1f Pursue Sustainable Sites certification for new park designs, funding permitting.	Lead	Public Works/FM	Certification Level (One to four stars).	In Progress. When SSI finalized, design projects may be evaluated for potential SSI certification.	Sustainable Sites Initiative Pilot Program complete and final rating system slated for release Fall 2013. Upon release of final rating system, design projects to be evaluated for potential SSI certification.
	Support	Parks & Rec			
	Partners	None			

Goal 7.2: Support further implementation of the 2004 Rio Grande Riparian Conservation Plan

Actions	Departments & Partners		Indicators	2012 Status	2013 Status
7.2a Evaluate feasibility of voluntary contributions on water bills to fund river ecosystem restoration projects.	Lead	Utilities	N/A	Utilities and SO are exploring options to accept donations for this project.	Utilities looked into the process involved to administer voluntary contributions via the utility billing system and found that this introduced a myriad of problems and manual processes to the existing MUNIS UB system. There is a possible alternative that may address various efforts to accommodate voluntary contributions/donations to specific projects in the City through the Citizens Self-Serve (CSS) module in MUNIS.
	Support	PW/FM/SO			
	Partners	SW Environmental Center, EBID, IBWC			
7.2b Explore possible partnerships in projects that contribute to restoration of riparian habitat.	Lead	Utilities	N/A	Utility Board passed a resolution allowing Southwest Environmental Center to make use of City's water rights to create LAMANCHA wetland restoration.	The permit is still waiting approval at State Engineers Office. Working with Audubon Society with the potential of leasing surface water for restoration activities.
	Support	PW/FM/SO			
	Partners	Southwest Environmental Center, NM State Parks			

Objective 8: Support Local Food Networks

Goal 8.1 Increase the amount of local food purchased by city

Actions	Departments & Partners		Indicators	2012 Status	2013 Status
8.1a Support efforts to buy local food for the Las Cruces Convention Center.	Lead	PW/FM/SO	Local food purchased by weight and category, number of meals served with local food.	Currently, the Convention Center purchases all food through purveyors. LCCC is willing to meet with local vendors who can provide the quality, consistency, and quantity that is needed.	Efforts will be made to evaluate this option with the Las Cruces Convention Center. However, due to contractual relationship with Global Spectrum, would require an amendment in the future. City staff understands that Global has existing contracts with other providers that will require time to migrate, if at all.
	Support	Community & Cultural Services			
	Partners	Global Spectrum, NMSU			
8.1b Develop local menu options for the Sage Café near the East Mesa Recreation Center.	Lead	Community & Cultural Services	Local food purchased by weight and category, # of meals served with local food.	Senior Programs put out RFP to local food vendors but received no proposals. The program will issue a second RFP.	Due two separate procurement efforts failing, staff have been authorized to negotiate with a sole source provider. Lease negotiations are underway and we will address this issue with the provider as part of our negotiations. However, difficulties may exist due to freshness, variety, and the ability to meet other health standards.
	Support	Financial Services			
	Partners				
8.1c Explore fiscal impacts of local food purchasing for Munson Center and the new Central Kitchen. Share findings with LCPS	Lead	Community & Cultural Services	Local food bought by weight and category, # of meals served with local food.	Senior Programs purchases local fruits and vegetables as well as tortillas from Robertos. Senior Programs will continue assessment.	Due to grant obligations and requirements, specifically meeting certain dietary requirements, freshness and temperature standards, and menu approvals (6-months out), the use of local produce is difficult. Department staff will work with Purchasing in evaluating future procurement options to try to address through a local provider. Financial Services in support role, most likely in the arena of Purchasing once department decides to proceed with the project.
	Support	Financial Services			
	Partners	Las Cruces Public Schools.			

Goal 8.2 Expand the amount and diversity of local food sold at the LC Farmer's and Crafts Market

Actions	Departments & Partners		Indicators	2012 Status	2013 Status
8.2a Enable acceptance of SNAP benefits at the market.	Lead	Community Dev	Number and value of EBT transactions – SNAP card.	The new non-profit, Farmers and Crafts Market of Las Cruces, Inc., will decide this issue. La Semilla is working on the logistics of the Farmers Market accepting SNAP.	La Semilla received a grant to implement this program at the Farmer's Market. Vendors participate on a volunteer bases.
	Support				
	Partners	Farmers and Crafts Market of LC., La Semilla			
8.2b Change vendor rules to specifically allow produce from community gardens to be sold at the market.	Lead	Community Dev	N/A	The new non-profit, Farmers and Crafts Market of Las Cruces, Inc., will decide this issue. a Semilla is drafting rules for vendors.	Community Development can address this in the comprehensive plan update
	Support				
	Partners	La Semilla Farmers and Crafts Market of Las Cruces, Inc.,			
8.2c Create a promotional relationship with other regional farmers' markets.	Lead	Community Dev	Number and type of outreach.	La Semilla has forged a marketing partnership and sends out regular list serve information on regional Farmers Market schedules.	La Semilla has forged a marketing partnership and sends out regular list serve information on regional Farmers Market schedules.
	Support				
	Partners	La Semilla, Farmers and Crafts Market of LC S NM Farmers			
8.2d Hold cooking and food preparation demonstrations	Lead		Number of events.	La Semilla is planning to hold cooking demonstrations at the Las Cruces Farmers and Crafts Market and other regional markets.	La Semilla held 4 cooking demonstrations this past summer at the Farmer's Market
	Support				
	Partners	La Semilla LC Farmer's Market			

Goal 8.3 Increase the number of Community Gardens within the city

Actions	Departments & Partners		Indicators	2012 Status	2013 Status
8.3a Support efforts to create community gardens at schools with agreements to allow conditional public use of these gardens.	Lead	PW/FM/SO Parks & Rec	Number of active gardens.	No agreements reached between the City and LCPS to date. On June 4, 2012, City Council adopted a farm-to-school Resolution 12-203. [vi] The City created a community garden at the Jardin de Mesquite and Gomez Park.	Currently Conley, Valley View, Lyn and Sierra school have a garden on site. The Mayor provided $3,000 in grant funds for LCPS. 5 schools took advantage of these funds to either build a new garden or enhance their current program. The City has also created a community garden at the Munson Senior Center.
	Support	Community Dev, KLCB			
	Partners	La Semilla LCPS, NMSU Master Gardener Program,			
8.3b Identify and map available land that may be suitable for locating community gardens.	Lead	Community Dev	Number of suitable parcels, number of resulting gardens.	Community Development existing land use survey is 90% complete. Community Development has included this item as a discussion topic in the comprehensive plan update process. Community Development is involved in the Food Policy Council Working Group.	Community Development existing land use survey was completed July 2013. Community Development has included this item as a discussion topic in the comprehensive plan update process, phase 2 (2015). A preliminary suitability analysis could be done sooner if staffing resources become available. Community Development is involved in the informal Food Policy Council working group.
	Support	PW/FM/SO Parks & Rec IT/GIS			
	Partners	NMSU Geography Department			

Goal 8.4 Increase the amount of food produced on small private lots within the City

Actions	Departments & Partners		Indicators	2012 Status	2013 Status
8.4a Co-promote events and classes sponsored by the Master Gardener program to increase local knowledge about growing food.	Lead	PW/FM/SO	Number of events, number of participants	The Master Gardeners have been instrumental in the Gomez Community Garden which had its Grand Opening Ceremony on May 15, 2012. Master Gardeners participated in Food Day during Earth Week at City Hall	La Semilla held several classes throughout the area this past year.
	Support	Community & Cultural Services Parks & Rec PIO			
	Partners	NMSU, Mountain View			
8.4b Identify and remove zoning and other restrictions on	Lead	Community Dev	N/A	Community Development is addressing this in the comprehensive plan update.	Further discussion is warranted on this Action to ensure staff has a clear understanding of what is desired. Zoning Code provisions in place today allow for the use of gardens and greenhouses on
	Support	PW/FM/SO			

urban agriculture, provided nuisances can be mitigated.		PD/Codes Enforce			private property as long as the produce etc. is not a retail venture. If retail related agriculture is desired, code amendment would be necessary.
	Partners				
8.4c Explore possible financial or utility incentives to help reduce the cost of urban agriculture.	Lead	PW/FM/SO	N/A	Utilities and SO are exploring potential options for this project.	SO plans to work with the community and La Semilla to identify and develop strategies for increasing the amount of local food purchased in Las Cruces.
	Support	Utilities			
	Partners				

[i] The average cost differential for "green" passenger cars and light trucks is $8,000 to $10,000 over the average price of equivalent standard vehicles.
[ii] December 17, 2012, Council adopted Resolution No. 13-079: A Resolution Expressing Concern That Renewable Energy Credits at the Present Time Are Not Being Given to Third Party Owners of Renewable Energy Systems by El Paso Electric Company.
[iii] PACE (Property Assessed Clean Energy) financing "provide property owners with low-interest 'loans' to pay for energy efficiency and renewable energy improvements. The borrower, either a homeowner or a business owner, repays the PACE funds via a special assessment added to his or her property tax bill….proponents of PACE programs carefully describe the debt obligations as a series of 'assessments.'"
[iv] CLC Economic Development office and ED state and regional partners continue to promote the area to the renewable energy industry.
[v] Water Conservation grant applications submitted to Bureau of Reclamation in 2012:

- High Efficiency Toilet Rebate
- Smart Irrigation Controllers Rebate
- Proposal for Phase I of Automated Meter Reading Program
- Removal of Turf Grass and Install Smart Irrigation Controllers at Fields

[vi] A Resolution Furthering Implementation of the Sustainability Action Plan that Authorizes Support, Including Partnership Arrangements with Various Entities, for the Establishment of Farm-to-School Programs in Las Cruces and the Surrounding Area, and for the City of Las Cruces to Serve as Fiscal Agent for those Projects that Successfully Apply for and Receive Funding for Such Programs.

City of Las Cruces®
PEOPLE HELPING PEOPLE

Sustainability Program Annual Report 2013

January 13, 2014

Leah Baca
Lisa LaRocque
Sustainability Office
Facilities Management Section
Public Works Department

Sustainability Action Plan

Plan Objectives

1. Increase Energy Efficiency
2. Accelerate Deployment of Renewable Energy
3. Ensure Sustainable Water Supply
4. Reduce & Recycle Solid Waste
5. Prevent Air & Water Pollution
6. Sustainable Development & Transportation
7. Conserve Habitat & Ecosystems
8. Support Local Food Networks

Strategic Plan - Sustainability

CLC Strategic Plan	SAP Objectives
Promote Renewable Infrastructure Development	2
Evaluate Solar Collectors as Charging Stations	2
Evaluate Solar Energy Opportunities	2
Trombe Wall Demonstration Project	2
Establish Pollution Prevention Measures	5
Green Infrastructure Initiatives/Codes	7
Support Foodshed Policy Initiatives	8

Leadership in Energy & Environmental Design Buildings

CLC City Hall
LEED Silver (2010)

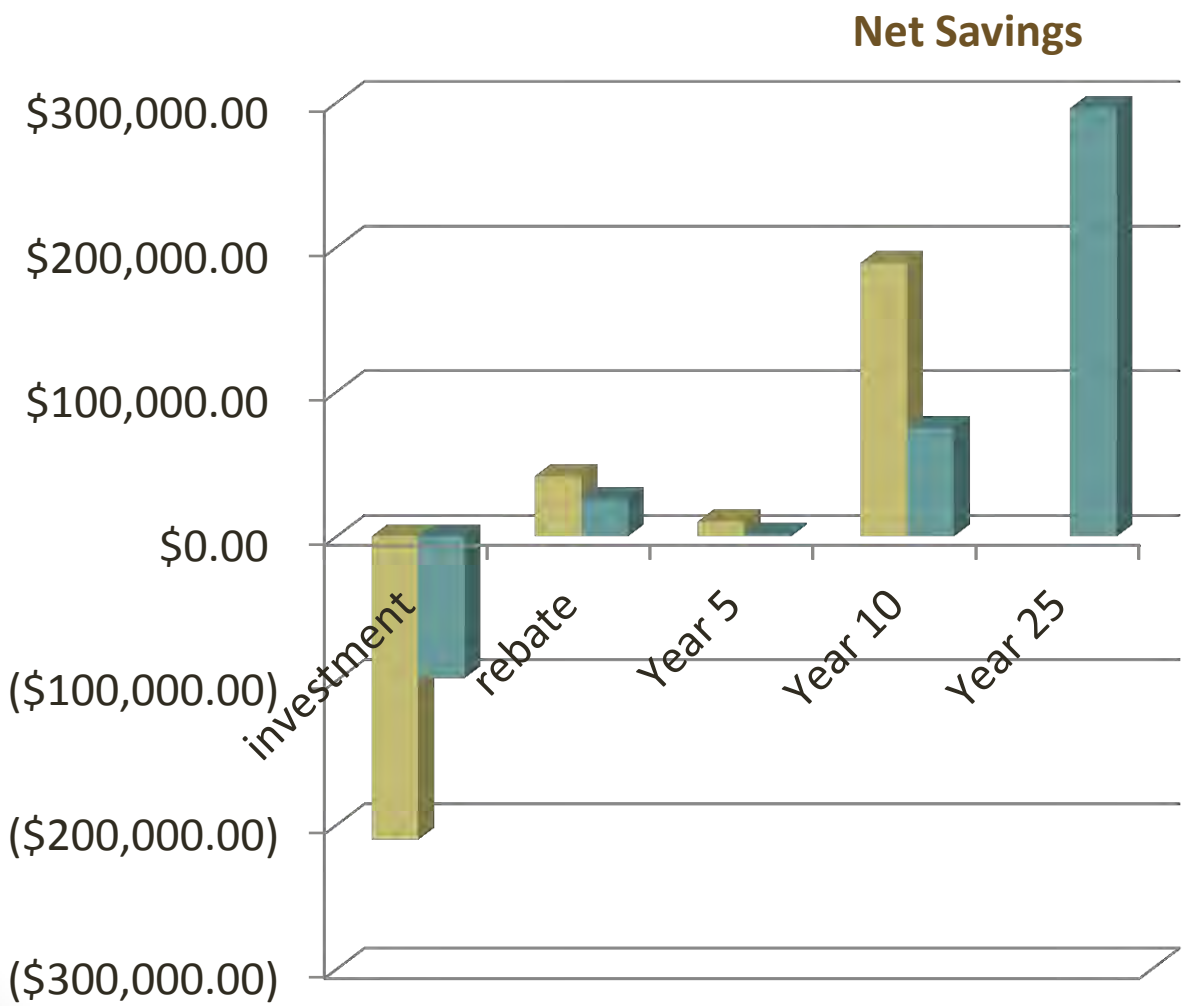
MVITT
LEED tbd (2013)

LC Convention Center
LEED Gold (2010)

Fire Station #7
LEED tbd (2014)

Museum of Nature and Science
LEED tbd (2012)

1: Energy Efficiency



Indoor Lighting Retrofits

- Branigan Library 10%↓
- Police Station 39%↓
- Fire station #1 14%↓
- Meerscheidt Recreation Ctr 20%↓
- Munson Ctr 10%↓
- Joint Utilities Building
- Jacob Hands Waste Water Treatment Plant

Street Lighting Retrofits

- Triviz 33%↓
- Downtown 44%↓
- University 74%↓

2. Renewable Energy

2011 Convention Center
71.8 kW (DC)

20-25%

40-50%

2012 Museum of Nature and Science 23.04 kW (DC)

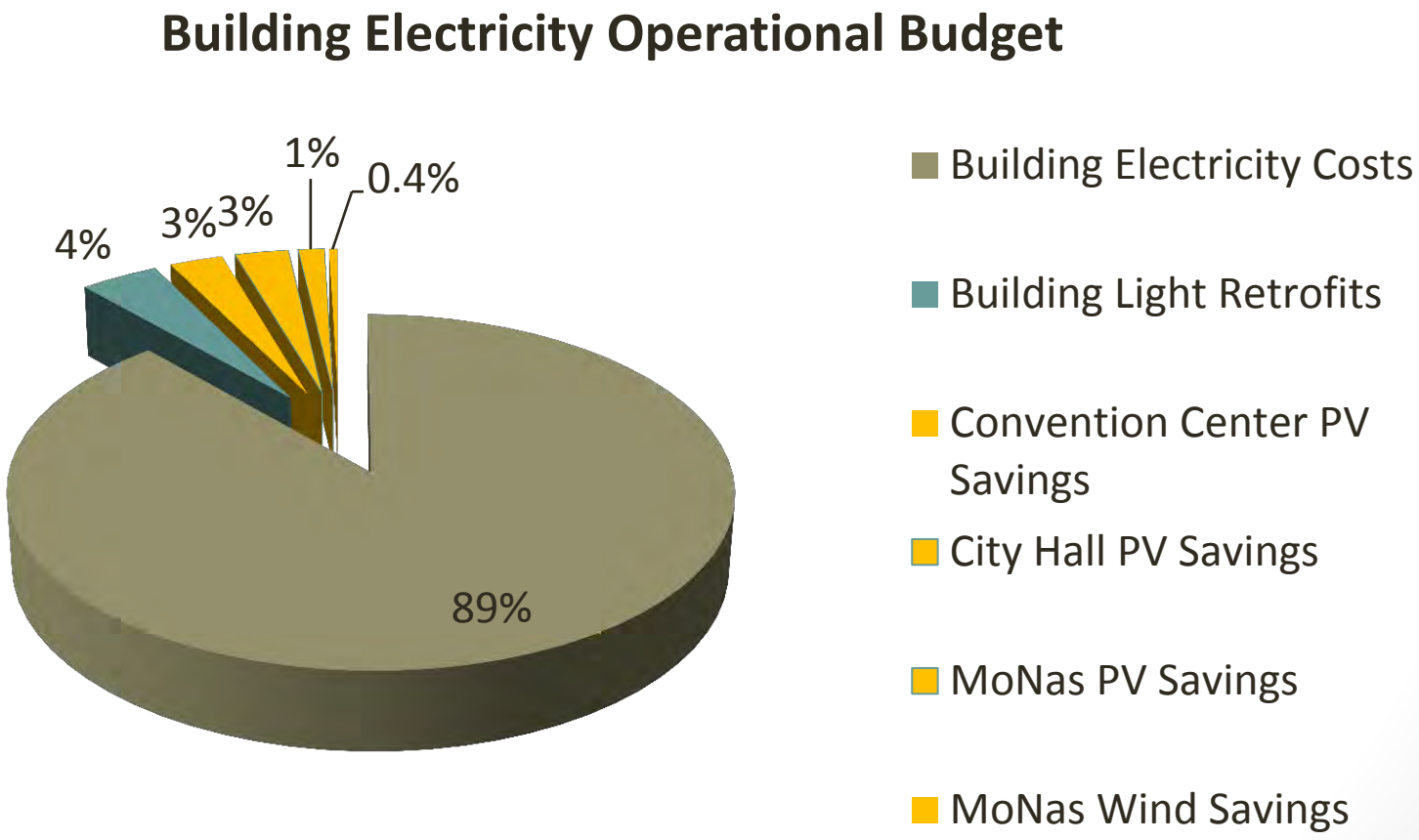
Positive Energy, Inc.

2013 City Hall
Parking Deck 105 kW (DC)

10-12%
of building's energy is from renewable sources

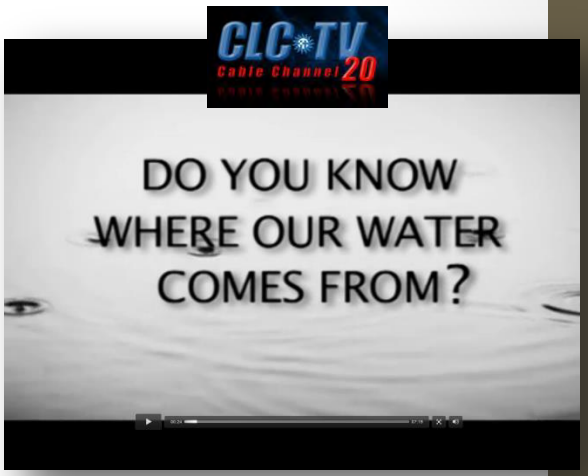
CLC Renewables and Retrofits Savings

11 % = $100,000 annually



3. Ensure Water Supply

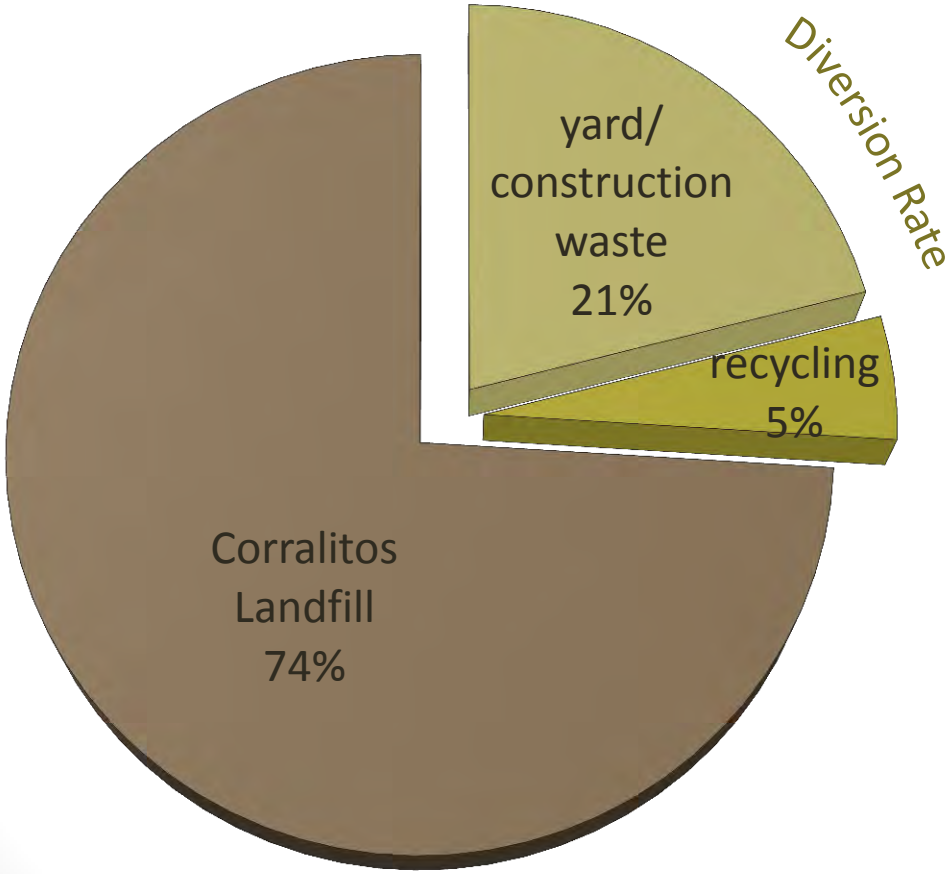
Designed by David Viarreal



Water Festival:
Teaching Conservation

Suzanne Michaels Communications

4. Reduce & Recycle Solid Waste



In 2013:

CLC recycled 72 tons

Libby visits 14 schools

KLCB picked up 42 tons of litter

Suzanne Michaels Communications

5. Pollution Prevention

Special storm water equipment help with inspections, mapping and data management.

The “crawler”

6. Land Use….

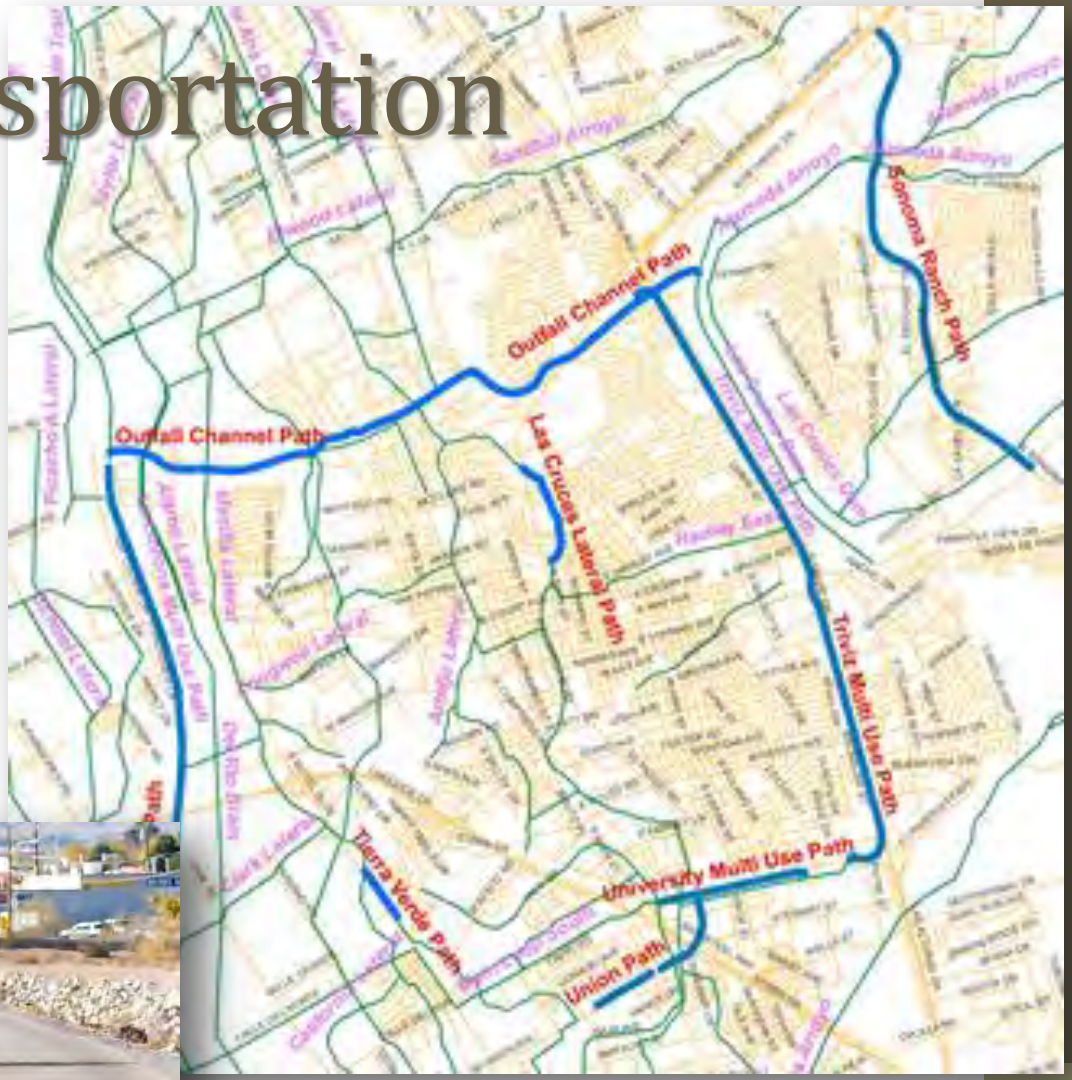
Downtown Charrette

Flushed curbs allow stormwater to supplement irrigation of vegetation.

6. …. and Transportation

Diana Alba Soular, Sun News

Mesilla Valley Intermodal Transit Terminal



Multi- use Loop

Steve Ramirez, Sun News

Outfall channel path

7. Habitats and Ecosystems

Las Cruces Dam wetland restoration project

Groundwork Dona Ana, Las Cruces Tree Stewards and Weed and Seed Program Volunteers

8. Support Food Networks

Munson Center Community Garden

Las Cruces School Gardens
Mini-grant recipients

SNAP Program
at Farmer's Market

Next Steps

1. Work with staff to develop Sustainability Action Plan 2014-2017
2. Present draft SAP2 PLAN to City Council for input and consensus