APPENDIX F: CURRENT GHG PROGRAMS

Urban Environmental Accords	
UEA-1 - Energy	
	ACTION 1: Increase the use of renewable energy to meet 10% of the City's peak electric load within seven years.
	ACTION 2: Reduce the City's peak electric load by 10% within seven years through energy efficiency, shifting the timing of energy demands and conservation measures.
	ACTION 3: Reduce GHG emissions by 25% by 2030, and include a system for accounting and auditing these emissions.
UEA-2 - Waste Reduction	
	ACTION 4: Achieve zero waste to landfills and incinerators by 2040.
	ACTION 5: Reduce the use of a disposable, toxic, or nonrenewable products by at least 50% in seven years.
	ACTION 6: Implement "user-friendly" recycling and composting programs, with the goal of reducing by 25% per capita solid waste disposal to landfill and incineration in seven years.
UEA-3 - Urban Design	
	ACTION 7: Mandate a green building rating system standard that applies to all new municipal buildings.
	ACTION 8: Advance higher density, mixed use, walkable, bikeable and disabled accessible neighborhoods which coordinate land use and transportation with open space systems for recreation and ecological restoration.
	ACTION 9: Create environmentally beneficial jobs in low-income neighborhoods.
UEA-4 - Urban Nature	
	ACTION 10: Ensure that there is an accessible public park or recreational open space within 1/2 kilometer of all residents by 2015.
	ACTION 11: Conduct an inventory of existing canopy coverage in the City; and, then establish a goal to plant and maintain canopy coverage in not less than 50% of all available sidewalk planting sites.
	ACTION 12: Protect critical habitat corridors and other key habitat characteristics from unsustainable development.
UEA-5 - Transportation	
	ACTION 13: Expand affordable public transportation coverage to within 1/2 kilometer of all City residents in ten years.
	ACTION 14: Phase down sulfur levels in diesel and gasoline fuels, use advanced emission controls on all public fleets to reduce particulate matter and smog-forming emissions from those fleets by 50% in seven years.

Urban Environmental Accords	
	ACTION 15: Implement a policy to reduce the percentage of commute trips by single occupancy vehicles by 10% in seven years.
UEA-6 - Environmental Health	
	ACTION 16: Every year, identify one product, chemical or compound that is used within the City that represents the greatest risk to human health and reduce or eliminate its use by the municipal government.
	ACTION 17: Support the public health and environmental benefits of locally grown organic foods. Ensure that 20% of all City facilities (including schools) serve locally grown and organic food within seven years.
	ACTION 18: Establish an Air Quality Index (AQI) to measure the level of air pollution and set the goal of reducing by 10% in seven years the number of days categorized in the AQI range as “unhealthy” or “hazardous.”
UEA-7 - Water	
	ACTION 19: Develop policies to increase adequate access to safe drinking water, aiming at access for all by 2015. For cities with potable water consumptions greater than 100 liters per capita per day, adopt and implement policies to reduce consumption by 10% by 2015.
	ACTION 20: Protect the ecological integrity of the City’s primary drinking water sources (i.e., aquifers, rivers, lakes, wetlands and associated ecosystems).
	ACTION 21: Adopt municipal wastewater management guidelines and reduce the volume of untreated wastewater discharges by 10% in seven years through the expanded use of recycled water and the implementation of a sustainable urban watershed planning process that includes participants of all affected communities and is based on sound economic, social and environmental principles.

Reduction Measure Classifications
• **Reduction Measures for Classification 1 (M1):** includes all adopted, implemented, and proposed national, state, and regional measures that do not require additional City action. The M1 measures are not included in the Pasadena GHG Reduction Strategy because all of the City measures exceed state minimums. These measures may require City action, but that action is limited and compulsory.
• **Reduction Measures for Classification 2 (M2):** includes all measures currently implemented or in the process of implementation by the City of Pasadena, as well as any additional quantifiable measures that require independent City action and could further reduce the GHG emissions. M2 reduction measures can include national, State, and regional measures that require significant independent action by the City.
• **Reduction Measures for Classification 3 (M3):** includes all additional measures that are a part of the City's GHG Reduction Plan but were not quantified as part of the proposed City 2020 emissions target. These measures either lack available data, the developed protocols required for quantification or certainty regarding the City's jurisdictional control over areas of the inventory.

UEA Section	UEA - ACTION	Program	Brief Description	GHG Emissions Category*	Reduction Category
Energy					
Energy	1,2,3	**Integrated Resource Plan (IRP)**	In its 2009 Integrated Resource Plan (2009 IRP), Pasadena Water and Power ("PWP") identifies its Preferred Resource Plan for satisfying its electric power requirements, consisting of energy efficiency, demand-side management resources, renewable resources	Direct Emissions (Scope 1) Energy-Electric Generation	M2 Measure
Energy	1,2,3	**Integrated Resource Plan - Energy (Strategy)**	The Integrated Resource Plan is a strategy that sets goals for reducing dependency on fossil fuel generated electricity, improves energy efficiency, and increases the City's renewable energy portfolio. Major plan goals include: •reducing coal power pu	Direct Emissions (Scope 1) Energy-Electric Generation	M2 Measure
Energy	2	**Pasadena Solar Initiative (PSI)**	PWP is committed to helping its customers install a total of 14,000 kilowatts of solar power by 2017. PWP's solar power rebate program applies to both residents and business. This initiative will save thousands, even hundreds of thousands of dollars on in	Direct Emissions (Scope 1) Energy-Electric Generation	M2 Measure
Energy	1	**Renewable Energy**	PWP increased its renewable energy portfolio 34,082 MWh from 2007 to 2008. Renewable resources include solar, wind, geothermal, small hydro and biomass. These methods of producing electricity have a low impact on our environment and do not consume non-r	Direct Emissions (Scope 1) Energy-Electric Generation	M2 Measure
Energy	1	**Renewable Energy Wind**	PWP recently signed a long-term agreement to buy a six megawatt share in the High Winds generation facility in Solano County in Northern California. In addition to the High Winds contract, PWP buys renewable energy from hydroelectric facilities in Azusa a	Direct Emissions (Scope 1) Energy-Electric Generation	M2 Measure
Energy	2	**Energy Efficiency Partnering Program**	Energy savings incentive program for its non-residential customers: Under the EEP program, any permanently installed energy-saving retrofit project may qualify for a rebate incentive. The more cost-effective and energy-saving the project is, the higher th	Direct Emissions (Scope 1) Energy-Electric Consumption	M3 Measure
Energy	2	**LED Traffic Signal Lamps Replacement Program**	The City has installed LED (light emitting diodes) traffic signals. The program has been estimated to save the City 85% in the energy costs related to traffic signals. While this program is quantifiable, it is defined as an M3 measure because it was alrea	Direct Emissions (Scope 1) Energy-Electric Consumption	M3 Measure
Energy	2	**Efficient Cooling Home Incentive Program**	PWP is providing rebates to its residential electric customers for the purchase and installation of energy efficient items to cool their homes. This program is defined as an M3 measure because it cannot be individually quantified and supports the IRP ene	Direct Emissions (Scope 1) Energy-Electric Consumption	M3 Measure
Energy	2	**Energy Saving Light Bulbs**	In 2008, PWP first offered a kit equipped with two free CFLs, a recycling pouch for safe disposal of CFLs, plus an order form for $75 worth of free CFLs. Pasadena's is for all 53,000 Pasadena households switch to at least 10 energy-saving bulbs and thereb	Direct Emissions (Scope 1) Energy-Electric Consumption	M3 Measure
Energy	2	**All-Electric Household Rebate Program**	PWP is offering residential electric customers who live in all-electric homes rebates on certain energy efficient products. All-electric households use electricity, rather than natural gas, for heating. (This program is defined as an M3 measure because it	Direct Emissions (Scope 1) Energy-Electric Consumption	M3 Measure
Energy	2	**PWP's Energy Star® Rebate Program**	PWP offers residential electric customers rebates on certain Energy Star® products. The Energy Star label certifies that the product exceeds federal energy-efficiency standards. This program is defined as an M3 measure because it cannot be individually q	Direct Emissions (Scope 1) Energy-Electric Consumption	M3 Measure

* Local Government Protocol: Scope 1 emissions are direct sources, and Scope 2 emissions are indirect sources.

[1] Program will reduce solid waste.

[2] Program reduces VMT by refuse trucks.

UEA Section	UEA - ACTION	Program	Brief Description	GHG Emissions Category*	Reduction Category
Energy	2	**Refrigerator Recycling Program**	PWP provides rebates for recycling of old refrigerators and freezers, and a coupon redeemable for three compact fluorescent light bulbs to its residential customers. Refrigerators sold today are at least 25% more efficient than models sold just four years	Direct Emissions (Scope 1) Energy-Electric Consumption	M3 Measure
Energy	2	**Refrigerator Replacement Program for Low-Income**	Pasadena will recycle and replace old refrigerators to qualified low income residence with new efficient refrigerators. This program is defined as an M3 measure because it cannot be individually quantified and supports the IRP energy strategy.	Direct Emissions (Scope 1) Energy-Electric Consumption	M3 Measure
Energy	2,11	**Cool Trees Program**	PWP offers residential electric customers a rebate for planting any one of 37 species of shade trees. Estimates are that well-placed trees around a home can reduce air conditioning or cooling costs by as much as 20 percent. This program is defined as an M	Direct Emissions (Scope 1) Urban Forestry-Sequestration, Energy-Electric Consumption	M3 Measure
Waste					
Waste	4	**Waste Reduction Goals and Program (WRGP)**	The City of Pasadena has set a waste reduction goal of diverting waste to recycling and composting programs such that there is a 75% reduction in solid waste by 2020 with the ultimate goal of zero waste to landfills and incinerators by 2040. This goal wi	Indirect Emissions (Scope 2) Solid Waste-Solid Waste Disposal[1]	M2 Measure
Waste	6	**City Recycle Purchase Program (A)**	The City has implemented a program to purchase 100% post-consumer recycled paper for municipal operations. This program is defined as an M3 measure because it cannot be individually quantified but supports the WRGP waste reduction strategy.	Indirect Emissions (Scope 2) Solid Waste-Solid Waste Disposal[1]	M3 Measure
Waste	4	**City Recycle Purchase Program (B)**	The City has implemented a program to prohibit the purchase of bottled water for municipal operations and government sponsored events. This program is defined as an M3 measure because it cannot be individually quantified but supports the WRGP waste reduct	Indirect Emissions (Scope 2) Solid Waste-Solid Waste Disposal[1]	M3 Measure
Waste	5	**PWP Recycled Oil Filter Program**	The City has implemented a program to purchase oil filter equipment which recycles 175,000 gallons of oil per year for PWP transformers, recovering approximately 98% of the transformer oil purchased. This program is defined as an M3 measure because it ca	Indirect Emissions (Scope 2) Solid Waste-Materials Recycling[1]	M3 Measure
Waste	4	**Recycling Programs (Rosebowl Recycling Program)**	Expanded recycling programs at special events and at the Rose Bowl, collecting over half a million beverage containers. This program is defined as an M3 measure because it was already quantified in the WRGP waste reduction strategy.	Indirect Emissions (Scope 2) Solid Waste-Solid Waste Disposal[1]	M3 Measure
Waste	4,6	**Household Hazardous Waste (HHW) & E-Waste Roundup and collection Program.**	Pasadena and L.A. County host a collective Residential Special Materials and Electronic Waste Roundups. The annual event provides the residents of Pasadena a legal and cost free way to dispose of unwanted household chemicals that cannot be disposed of in	Indirect Emissions (Scope 2) Solid Waste-Solid Waste Disposal[1]	M3 Measure
Waste	6	**Green Waste Recycled**	In 2007, The City Recycled 85% of all green waste accumulated by City crews, converting waste into mulch for ground cover in the City's natural areas, parkways and frontage roads. This program is defined as an M3 measure because it was already quantified	Indirect Emissions (Scope 2) Solid Waste-Solid Waste Disposal[1]	M3 Measure
Waste	4	**Construction Debris and Waste Haulers**	Pasadena limits the number of waste haulers which can operate in the City, to reduce air pollution, road damage, noise pollution, and congestion. In 2007, the City recycled 40 million pounds of debris materials from construction projects in Pasadena. The	Indirect Emissions (Scope 2) Solid Waste-Solid Waste Disposal[1]	M3 Measure

* Local Government Protocol: Scope 1 emissions are direct sources, and Scope 2 emissions are indirect sources.

[1] Program will reduce solid waste.

[2] Program reduces VMT by refuse trucks.

UEA Section	UEA - ACTION	Program	Brief Description	GHG Emissions Category*	Reduction Category
Waste	6	**Big Belly Program**	Pasadena has strategically placed environmentally sound trash compactors, which run on 100% solar power, in high pedestrian thoroughfares. The Big Belly unit holds five times the volume of a traditional trash. Increased capacity reduces collection trips a	Direct Emissions (Scope 1) Transportation-On road Emisisons[2]	M3 Measure
Waste	6	**City Office Space Recycling Program**	City office spaces provide blue desk-side recycling containers to each employee to capture all paper, plastic, aluminum, glass, and cardboard products. This program is defined as an M3 measure because it cannot be individually quantified but supports the	Indirect Emissions (Scope 2) Solid Waste-Solid Waste Disposal[1]	M3 Measure
Waste	6	**City Leased Office Space Recycling Program**	PWP expanded its recycling program to its leased City office spaces, providing blue desk-side recycling containers to each employee to capture all paper, plastic, aluminum, glass, and cardboard products. This program is defined as an M3 measure because it	Indirect Emissions (Scope 2) Solid Waste-Solid Waste Disposal[1]	M3 Measure
Waste	6	**Library Overdue E-Mail Notification Program**	Pasadena's Libraries overdue notifications are being sent via email, saving postcards and postage. This program is defined as an M3 measure because it cannot be individually quantified but indirectly supports the WRGP waste reduction strategy by reducing	Indirect Emissions (Scope 2) Solid Waste-Solid Waste Disposal[1]	M3 Measure
Waste	4,5	**Food Waste Recycling Program**	The City will implement a pilot food waste recycling program with area restaurants. This program is defined as an M3 measure because the level of detail to individually quantify the reduction is not available but supports the WRGP waste reduction strategy	Indirect Emissions (Scope 2) Solid Waste-Solid Waste Disposal[1]	M3 Measure
Waste	4	**Single Family Residence Recycling - Pay As You Throw Program**	Under this program the cost for collection is based upon how much waste is recycled and how much the family throws away. The more recycled, the less cost to the resident. This program is defined as an M3 measure because the level of detail to individually	Indirect Emissions (Scope 2) Solid Waste-Solid Waste Disposal[1]	M3 Measure
Urban Design- (Land Use)					
Energy - Urban Design	2.5;7.1	**Green Building Practices Ordinance**	Green buildings minimize waste of natural resources, use of recycled materials, reduced amount of debris in local landfills, incorporate, water and energy conservation, decrease pollution, and offer healthier air and lighting for occupants. The ordinanc	Direct Emissions (Scope 1) Energy-Electric Consumption	M2 Measure
Urban Nature					

* Local Government Protocol: Scope 1 emissions are direct sources, and Scope 2 emissions are indirect sources.

[1] Program will reduce solid waste.

[2] Program reduces VMT by refuse trucks.

UEA Section	UEA - ACTION	Program	Brief Description	GHG Emissions Category*	Reduction Category
Urban Forestry	11	**Tree Canopy Goals and Program**	Pasadena is a “built-out” city, meaning that Pasadena must look to creative means of providing open spaces and recreational programs and facilities to a growing and changing population. Pasadena’s core Urban Nature goals create, maintain, protect, and res	Direct Emissions (Scope 1) Urban Forestry-Sequestration, Energy-Electric Consumption	M2 Measure
Urban Forestry	11	**City Trees and Tree Protection Ordinance (PMC Chapter 8.52)**	Pasadena recognized the importance of trees by adopting an ordinance that protects trees on private and public property. The ordinance protects various categories of trees including public landmark, specimen, and native trees. This program is defined as a	Direct Emissions (Scope 1) Urban Forestry-Sequestration, Energy-Electric Consumption	M3 Measure

* Local Government Protocol: Scope 1 emissions are direct sources, and Scope 2 emissions are indirect sources.

[1] Program will reduce solid waste.

[2] Program reduces VMT by refuse trucks.

UEA Section	UEA - ACTION	Program	Brief Description	GHG Emissions Category*	Reduction Category
Urban Forestry	10	**Open Space & Natural Habitat**	Pasadena's Open Space Element provides for continued improvement in the quality of the City's' urban environment as established in the quality and quantity of its open spaces. Goals established by this program are as follows: > Public parkland shall be pr	Direct Emissions (Scope 1) Urban Forestry-Sequestration	M3 Measure
Energy - Urban Forestry	11	**Urban Forestry Program**	Pasadena has approximately 61,000 street trees, 25,000 park trees and over 118,000 trees on private property. These trees provide shade to cool homes, sequester carbon, and turn CO2 into oxygen. 28.6% or (4,200 acres) of the City is covered in tree canopy	Direct Emissions (Scope 1) Urban Forestry-Sequestration, Energy-Electric Consumption	M3 Measure
Urban Forestry	12	**Native Habitat and Restoration Program**	Pasadena has renovated 2,132 feet of trails, restored two acres of habitat, and repaired over 500 linear feet of rock walls using on-site Arroyo stone. Renovated 2,132 feet of trails, restored 2 acres of habitat, and repaired over 500 lineal feet of rock	Indirect Emissions (Scope 2) Solid Waste-Solid Waste Disposal[1] Direct Emissions (Scope 1) Transportation-On road emissions[2]	M3 Measure
Transportation					
		Traffic Congestion Reduction Strategy	Pasadena has committed to implementing policies to reduce the emissions due to commuter traffic. The goal of these policies is to reduce single occupancy vehicle trips by 10% of existing levels by 2012. This strategy also includes a 25% reduction in the n	Direct Emissions (Scope 1) Transportation-On road Emissions	M2 Measure
Transportation	15	**Intelligent Transportation System (ITS) Communication Master Plan Expansion**	This program will expand the Traffic Management Center's (TMC) capabilities thus reducing GHG emissions by reducing undue delay. The TMC manages 300 traffic signals, 10 traffic surveillance closed circuit television cameras and 9 variable message signs wi	Direct Emissions (Scope 1) Transportation-On road Emissions	M2 Measure

* Local Government Protocol: Scope 1 emissions are direct sources, and Scope 2 emissions are indirect sources.

[1] Program will reduce solid waste.

[2] Program reduces VMT by refuse trucks.

UEA Section	UEA - ACTION	Program	Brief Description	GHG Emissions Category*	Reduction Category
Transportation	15	**Trip Reduction Ordinance (A)**	The ordinance reduces the demand for vehicle commute trips by ensuring that the design of major nonresidential, mixed-use, & multi family residential development projects accommodate facilities for alternative modes of transportation. Ordinance 10.64.010	Direct Emissions (Scope 1) Transportation-On road Emissions	M3 Measure
Transportation	13	**Pasadena Area Rapid Transit System (ARTS)**	In addition to regional bus and rail service provided to Pasadena through METRO and Foothill Transit, the City operates the Pasadena Area Rapid Transit System consisting of nine bus routes throughout the City. Many ARTS buses run on clean "green" fuel. Tw	Direct Emissions (Scope 1) Transportation-On road Emissions	M3 Measure
Transportation	13	**Prideshare Program "Try Transit" Program**	This program encourages employees to use transit to get to and from work. Through this program the City contributes money to City employees toward the purchase of transit passes (and deducts the same amount of money from people who do not use transit). Pr	Direct Emissions (Scope 1) Transportation-On road Emissions	M3 Measure
Transportation	15	**Trip Reduction Ordinance (B)**	The City of Pasadena requires transportation displays on all major corridors providing information on transit and other alternative modes of transportation. The transportation displays shall include, without limitation, current maps, routes, and schedules	Direct Emissions (Scope 1) Transportation-On road Emissions	M3 Measure
Transportation	14	**Clean Vehicles Strategy**	The City goal of the Clean Vehicles Strategy is to phase out sulfur levels in diesel and gasoline fuels, used advance emission controls on all public fleets to reduce particulate matter, smog-forming emissions from those fleets by 50% by 2012 without incr	Direct Emissions (Scope 1) Transportation-On road and Off road Emissions	M2 Measure
Transportation	14	**Pasadena's diesel fleet Modification Program**	In 2007, the City modified its diesel fleet by installing particulate traps to reduce the release of particulate material into the atmosphere by 95%. Pasadena has committed to the use of cleaner-burning fuels; expanding alternative-fuel vehicles for the C	Direct Emissions (Scope 1) Transportation-On road and Off road Emissions	M3 Measure
Transportation	14	**Pasadena's Diesel Fleet Modification Program-biodiesel fuel**	In 2007, the City began running its diesel fleet on biodiesel fuel, the only renewable alternative diesel fuel that mitigates major GHG emissions. While the City has implemented this strategy to reduce GHG emissions, it cannot be quantified because of deb	Direct Emissions (Scope 1) Transportation-On road and Off road Emissions	M3 Measure
Transportation	14	**Pasadena's Diesel Fleet Modification Program –Conversion of Refuse-Collection Trucks**	In 2007, the City converted six refuse-collection trucks to dual fuel utilizing compressed natural gas (CNG) and diesel in order to reduce diesel exhaust. This program is defined as an M2 measure because it can be quantified.	Direct Emissions (Scope 1) Transportation-On road Emissions	M2 Measure
Transportation	14	**Pasadena's Diesel Fleet Modification Program - Preferred Purchasing Practices:**	Pasadena implemented environmentally preferred purchasing practices for City vehicle purchases. Preference is given to environmentally friendly and fuel-efficient vehicles. This program has expanded the City's green fleet to 45 vehicles as of 2009. This p	Direct Emissions (Scope 1) Transportation-On road Emissions	M3 Measure
Transportation	14	**Pasadena's Diesel Fleet Modification Program - CNG Fueling Stations:**	Pasadena began the construction of a CNG fueling station at the City's yards. The system will utilize natural gas to fuel the City's CNG fleet. Natural gas is less polluting than standard gas. This project supports the Conservation Element of the General	Direct Emissions (Scope 1) Transportation-On road and Off road Emissions	M3 Measure
Transportation	14	**Green Fleet Program**	The City's has implemented a strategy for replacing fossil-fuel vehicles with alternative fuel vehicles. The City has already made significant progress in reducing fossil fuel vehicles and adding alternative energy vehicles to its fleet. This program is d	Direct Emissions (Scope 1) Transportation-On road and Off road Emissions	M3 Measure

* Local Government Protocol: Scope 1 emissions are direct sources, and Scope 2 emissions are indirect sources.

[1] Program will reduce solid waste.

[2] Program reduces VMT by refuse trucks.

UEA Section	UEA - ACTION	Program	Brief Description	GHG Emissions Category*	Reduction Category
		Green Transportation	Pasadena is reducing Air pollutants by promoting alternative transportation methods such as bicycling, carpooling and switching to clean-energy vehicles. Pasadena will expand public transportation coverage to within ½ kilometer of all City residents by 20		M2 Measure
Transportation - Urban Design	13	**City Walkabout Program**	This program involves the citizens of Pasadena to identify where walk-ability is good as well as areas that need pedestrian improvements. Improvements in walk-ability enhance environmental Urban Design. By use of this program people are encourage to walk	Direct Emissions (Scope 1) Transportation-On road Emissions	M3 Measure
	Transportation - Bycling				
Transportation	15	**Bicycling In Pasadena**	The Bicycling in Pasadena program and associated Bicycle Master Plan are an important component to promoting vehicle trip reduction with the co-benefit of a more livable community. GHG emissions reductions associated with the Bicycle Master Plan are quan		M2 Measure
Transportation	15	**Bicycling Roadways and Implementation**	Over 60 miles of collector and arterial roadways in Pasadena have bikeways. Pasadena offers parking for over 1,000 bicycles in the form of bicycle racks at bus stops, City-owned parking lots, churches, private office garages, retail stores and apartment b	Direct Emissions (Scope 1) Transportation-On road Emissions	M3 Measure
Transportation	15	**Annual Bike Week Pasadena**	Every year during an established week employees of the City of Pasadena bicycle to work to promote healthy living and an environmentally friendly commute. Pasadena advocates increased bicycle use, access, safety, and education by promoting the bicycle as	Direct Emissions (Scope 1) Transportation-On road Emissions	M3 Measure
Transportation	15	**Annual Bike to Work Day**	Every year on the annual bike to work day, employees of the City of Pasadena bicycle to work to promote healthy living and an environmentally friendly commute. Pasadena advocates increased bicycle use, access, safety, and education, by promoting the bicyc	Direct Emissions (Scope 1) Transportation-On road Emissions	
Water					
Water	19	**Comprehensive Water Conservation (CWC)Program I**	The City of Pasadena's CWC Plan includes information and recommendations related to managing water supply shortages. The long term goals of the city is to provide water conservation measures to reduce per capita water consumption by 10% by 2015.	Indirect Emissions (Scope 2) Energy Electric Consumption	M2 Measure
Water	19	**Drought Tolerant Landscape and Irrigation Upgrade Program**	This program utilizes drought tolerant landscape and irrigation for parks, medians, City facilities and buildings. This is an M3 measure because it was already quantified for the CWC plan.	Indirect Emissions (Scope 2) Energy Electric Consumption	M3 Measure
Water	19	**"Social Water $mart"**	Pasadena Water and Power has joined MWD in offering a new regional incentive program for water efficient devices. Rebates include High-Efficiency (HEW) Clothes Washer rebate, High Efficiency Toilet (HET) new construction Rebate, HET Upgrade, Zero water Ur	Indirect Emissions (Scope 2) Energy Electric Consumption	M3 Measure
Water	19	**Report Water Waste**	Pasadena has implemented on-line reporting of water waste. PWP will send a conservation reminder to the address where water waste is thought to have occurred. The goal of these reminders is to give all persons and businesses the opportunity to: correct th	Indirect Emissions (Scope 2) Energy Electric Consumption	M3 Measure
Water	7	**Efficient Irrigation Workshop**	Pasadena has designed programs for both residential and commercial customers who are interested in learning how to maintain a beautiful landscape without wasting water. This educational program is an M3 measure because it cannot be quantified, but does s	Indirect Emissions (Scope 2) Energy Electric Consumption	M3

* Local Government Protocol: Scope 1 emissions are direct sources, and Scope 2 emissions are indirect sources.

[1] Program will reduce solid waste.

[2] Program reduces VMT by refuse trucks.