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1	General Information				Project Description			Project Location				Project Benefits			
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3	AVEK	Tom Barnes: (tel) 661-943-3201 (fax) 661-943-3204 (email) tbavekwa@aol.com	Water Supply Stabilization Project – Westside Project	AVSWCA	Imported water stabilization program that utilizes SWP water delivered to the Antelope Valley's eastside for groundwater recharge and supplemental supply required for the region during summer peaking demand and anticipated dry years. This project includes additional facilities necessary for the delivery of untreated water for direct recharge (perc basins) or indirect (in-lieu) recharge and for wells and pipeline for treated water conveyance.	The project can be integrated with several other types of projects including existing (or proposed) treated water facilities, recycled water recharge, or stormwater collection and reuse. Planned pipeline and recharge integration with other projects will benefit the whole of the region by supplying water for direct use or for blending as required with recycled (or storm) water recharge.		The proposed location for the first phase of the project will be in eastern Kern County, adjacent to AVEK's West Feeder pipeline, along Gaskell Street, approximately within 70th Street West and 120th Street West.	-\$200 million	Conceptual	2009	1,000+ AF			
4	AVEK	Tom Barnes: (tel) 661-943-3201 (fax) 661-943-3204 (email) tbavekwa@aol.com	Water Supply Stabilization Project – Eastside Project	AVSWCA	This project is similar to AVEK's Westside Project, but is meant for the eastside of the Antelope Valley.	The project can be integrated with several other types of projects including existing (or proposed) treated water facilities, recycled water recharge, or stormwater collection and reuse. Planned pipeline and recharge integration with other projects will benefit the whole of the region by supplying water for direct use or for blending as required with recycled (or storm) water recharge.		The proposed location for the first phase of the project will be in Los Angeles County, eastern portion of the antelope valley adjacent to a potential AVEK east feeder pipeline, along 60th Street East, approximately within Avenue L and Avenue N.	-\$200 million	Conceptual	2011	1,000+ AF			
5	City of Lancaster	Peter Zorba: (tel) 661-723-6234 (fax) 661-723-6182 (email) pzorba@cityoflancastrca.org	Groundwater Recharge Using Recycled Water (GWR-RW) Pilot Project	LA Co, DPW, AVEK, LACSD, District 14	The GWR-RW Pilot Project would assess maximization of available recycled water by utilizing this valuable source to recharge the local over-draft groundwater basin, increasing the region's overall water resources. This project would recharge a blend of recycled water from the 1 mgd MBR plant at LWRP with storm water and/or treated imported water at the City of Lancaster-proposed 100-acre storm water basin at 60th St W and Ave F. This project would recharge 50,000 AFY of blend water, with blend water consisting of 40,000 AFY of imported	This project would integrate the resources and capabilities of local municipalities, water purveyors and service providers to the benefit of the entire region and dove-tail into current groundwater banking plans, recycled water utilization plans and storm water management endeavors.	The Groundwater Recharge Feasibility Study, the City of Lancaster Recycled Water Master Plan, and the Antelope Valley Recycled Water Project Facilities Planning Report.	City of Lancaster proposed 100 acre storm water flood control basin located at 60th St W and Avenue F.	\$37M	Concept	2009	48,000 AFY			
6	City of Lancaster	Peter Zorba: (tel) 661-723-6234 (fax) 661-723-6182 (email) pzorba@cityoflancastrca.org	Tertiary Treated Water Conveyance & Incidental Groundwater Recharge of Amargosa Creek Avenue M to Avenue H	City of Landcaster, LACSD14, LACWWD, CDFG	Construction of a 12" lateral pipeline off the Regional Backbone at/near Avenue M conveying tertiary treated water to a point approximately one mile west and to deliver recycled water into the Amargosa Creek channel. Tertiary treated water would travel northerly within the Amargosa Creek roughly 4.7 miles creating incidental recharge enroute until collecting at Lake Lancaster (retention basin north of Ave H) where it would be available for irrigation and dust control at the Antelope Valley Fair Grounds and extended use to the west side of Lancaster and surrounding Antelope Valley.	This project envisions utilizing tertiary treated recycled water from LWRP, integrating with SanDist #14 by providing a flexible and reliable means to dispose of recycled water. Furthermore, it integrates with LA Co DPW/WW and the IRWMP though conjunctive use of Regional Backbone to recharge the over drafted regional groundwater aquifer.	The Groundwater Recharge Feasibility Study, the City of Lancaster Recycled Water Master Plan, and the Antelope Valley Recycled Water Project Facilities Planning Report.	City of Lancaster: Amargosa Creek beginning at Avenue M and traveling northerly within the channel to Avenue H.	\$100K - \$1M	Concept	2013	X (100-1000 AF) How much recycled water will be used?			Enhanced flood control and storm water management due to utilization of storm and municipal nuisance water as blend and recharge water as well as natural effect of resulting riparian habitat as flood control and storm surge dissipation. Enhanced water quality through incidental charge to overdraft groundwater aquifer.
7	City of Palmdale	Gordon Phair: (tel) 661-267-5310 (fax) 661-267-5322 (email) gphair@cityofpalmdale.org	Barrell Springs Detention Basin and Wetlands		Construction of a 878 AF detention in the Barrell Springs area upstream of Old Harold Road and 25th Street East on a 40 acre City owned property.	This project will provide flood control for the City of Palmdale, provide a wetland enhancement and habitat protection.	City of Palmdale Capital Improvement Plan and Master Drainage Plan.	Project is located on 25th Street East and Old Harold Road.	> \$10M	In Design				40 acres (confirm)	
8	City of Palmdale	Gordon Phair: (tel) 661-267-5310 (fax) 661-267-5322 (email) gphair@cityofpalmdale.org	Anaverde Detention Basin, Dam & Spillway at Pelona Vista Park		Construct Pelona Vista Dam-grading, inlet/outlet structures, spillway, and storm drain piping.	This project is a multipurpose flood control basin which has the ability to provide for wildlife habitat, conservation, and storm water capture	City of Palmdale Capital Improvement Plan and Master Drainage Plan.	Project is located along Tierra Subida between Avenue S and Rayburn Road.	> \$10M	In-Design				X	X, flood control, habitat
9	City of Palmdale	Gordon Phair: (tel) 661-267-5310 (fax) 661-267-5322 (email) gphair@cityofpalmdale.org	Hunt Canyon Groundwater Recharge and Flood Control Basin		Construction of detention/recharge basin, south of Pearblossom Hwy, at 57th Street East. Basin is to have a 3,000 acre-foot capacity. the basin will also be used for storing aqueduct raw water to recharge into the aquifer and to control flood waters.	The proposed project would alleviate flooding and have the portential to provide a recharge area for raw aqueduct water.	City of Palmdale's Master Plan of Drainage	Cheesboro Road, south of Pearblossom Highway, near Old Fort Tejon Road		Conceptual				300 acres (confirm)	X, storm water capture
10	City of Palmdale	Gordon Phair: (tel) 661-267-5310 (fax) 661-267-5322 (email) gphair@cityofpalmdale.org	Avenue Q and 20th Street East Basin (Q-West Basin)		Acquisition and construction of 1,612 acre-foot detention basin between Avenue P-12 and Avenue Q, from 20th St. East and 30 St. East on LAWA's property from Ave P-8 to Ave P-12.	This project will integrate with the construction of the 45th Street East and Avenue P-8 detention basin for flood control, provide possible groundwater recharge, and the natural habitat preservation.	City of Palmdale Capital Improvement Plan and Master Drainage Plan.	Project is located between Avenue Q and Avenue P-12, between 20th Street East and 30th Street East.	\$10,000,000 to \$15,000,000 (confirm)	Conceptual				161 acres (confirm)	
11	City of Palmdale	Gordon Phair: (tel) 661-267-5310 (fax) 661-267-5322 (email) gphair@cityofpalmdale.org	45th Street East Flood Control Basin (Q-East Basin)		Construction of drainage basin (2,083 acre-foot) near 45th St East and Avenue P-8 on L.A. City Department of Airports property.	This project will integrate with the construction of the Avenue Q and 20th Street East detention basin for flood control, provide possible groundwater recharge, and the natural habitat preservation.	City of Palmdale Capital Improvement Plan and Master Drainage Plan.	Project is located between 45th Street East and 50th Street East and between Avenue P-8 and Avenue Q.	\$20,000,000 to \$25,000,000 (confirm)	Conceptual				208 acres (confirm)	
12	City of Palmdale	Gordon Phair: (tel) 661-267-5310 (fax) 661-267-5322 (email) gphair@cityofpalmdale.org	42 <sup>nd</sup> Street East, Sewer Installation		Construction of sewer lines to eliminate septic tanks at homes in the vicinity of 42nd St. East.	This project would reduce groundwater pollution by eliminating septic tanks at homes in the vicinity of 42nd St. East.		42nd Street East, City of Palmdale	\$100K - \$1M	Conceptual			X, groundwater		

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13	City of Palmdale	Leon Swain: (tel) 661-267-5300 (fax) 661-267-5322 (email) lswain@cityofpalmdale.org	Amargosa Creek Recharge and Channelization Project	AVSWCA would support	This project will increase the Antelope Valley's water supply, increase the amount of protected natural habitat and provide improved flood prevention within the Amargosa Creek watershed. Proposed improvements include: Expanding the size and capacity of the spreading ground of the natural recharge area; developing and preserving an ephemeral stream habitat; and channelization of the Amargosa creek (soft bottom) and providing a grade separation of 20th Street West over the Amargosa Creek.	This project will integrate with the construction of the 20th Street West bridge over the Amargosa Creek, the Channelization of Amargosa Creek between 25th Street West and 20th Street West, and the natural habitat preservation, and with existing upstream and downstream Amargosa Creek Improvements.	1) Final report - Study of Potential recharge Sites in the Antelope Valley State Water Contractors Association in September 2002; 2) City of Palmdale Capital Improvement Plan and Master Drainage Plan.	Project is within the Amargosa Creek, located between 25th Street West and 20th Street West, an ephemeral blue line creek.	\$1,000,000 to \$10,000,000	Conceptual and Preliminary Plans complete		TBD AF		15 acres open space/habitat, 20 acres flood protection (confirm)	
14	City of Palmdale	Tom Barnett: (tel) 949-856-2200 (fax) 949-856-2313 (email) tbarnett@inlandenergy.com	Palmdale Power Project		Construction of a 570MW Electricity Generating Facility. The Palmdale Power Project will be a hybrid design, utilizing natural gas combined cycle technology and solar thermal technology.	The Palmdale Power Project will be a customer and end user of 3,200 AF/Yr of reclaimed water.		Palmdale, CA at the southeast corner of Avenue M and Sierra Hwy	> \$10M	In-Design	2008-2010				A customer and end user of reclaimed water / A Zero Liquid Discharge facility / Involvement in reclaimed water backbone infrastructure development
15	LACSD	Brian Dietrick: (tel) 562-699-7411 (email) dietrick@lacsds.org	Lancaster WRP Stage V		The project involves construction and design of a pump station, storage reservoirs, and other ancillary facilities to increase effluent storage capacity to 21 MGD. The project also includes land acquisition.			1865 W. Avenue D, Lancaster	\$125,366,000 (remaining cost starting 01/08)	CEQA done	2012				
16	LACSD	Brian Dietrick: (tel) 562-699-7411 (email) dietrick@lacsds.org	Lancaster WRP Stage VI		The project includes the design and construction of a recycled water pump station and storage reservoir, and other ancillary facilities to increase capacity from 21 MGD to 26 MGD.			1865 W. Avenue D, Lancaster	\$51,053,000 (remaining cost starting 01/08)	CEQA done	2024				
17	LACSD	Brian Dietrick: (tel) 562-699-7411 (email) dietrick@lacsds.org	Lancaster WRP Proposed Effluent Management Sites		This project includes land acquisition, irrigation equipment and installation, farm management plan, site development, studies and permits, soil sampling, well investigation of proposed effluent management sites.			1865 W. Avenue D, Lancaster	\$9,673,000 (remaining cost starting 01/08)	CEQA done	2008				
18	LACSD	Brian Dietrick: (tel) 562-699-7411 (email) dietrick@lacsds.org	Palmdale WRP Existing Effluent Management Sites		This project includes monitoring, irrigation equipment and installation, and misc capital costs associated with the existing effluent management sites.			39300 30th Street East, Palmdale	\$4,794,000 (remaining cost starting 01/08)	CEQA done	2027				
19	LACSD	Brian Dietrick: (tel) 562-699-7411 (email) dietrick@lacsds.org	Palmdale WRP Stage V		This project includes construction of an effluent pump station, force main, and agricultural recycled water pump station, an agricultural recycled water storage tank and reservoir, the reservoir site, monitoring wells, and design and construction of secondary/tertiary treatment facilities.			39300 30th Street East, Palmdale	\$145,830,000 (remaining cost starting 01/08)	CEQA done	2010				
20	LACSD	Brian Dietrick: (tel) 562-699-7411 (email) dietrick@lacsds.org	Palmdale WRP Stage VI		This project includes the design and construction for: agricultural recycled water force main, effluent pump station, storage reservoir, and treatment plant expansion.			39300 30th Street East, Palmdale	\$62,369,500 (remaining cost starting 01/08)	CEQA done	2019				
21	LACSD	Brian Dietrick: (tel) 562-699-7411 (email) dietrick@lacsds.org	Palmdale WRP Proposed Effluent Management Sites		Includes gw monitoring, well abandonment, and acquisition, planning, studies, permits, site development, farm management planning, and equipment for agricultural effluent sites.			39300 30th Street East, Palmdale	\$59,884,430 (remaining cost starting 01/08)	CEQA done	2021				
22	LACWWD40	David Rydman: (tel) 626-300-3351 (fax) 626-300-3385 (email) drydman@dpw.lacounty.gov	Aquifer Storage and Recovery Project: Injection Well Development		The project involves the construction of ten new well sites in a groundwater depression area of the Antelope Valley to improve water supply reliability. The additional wells would be available for water injection during wet years and for water extraction during dry years.	This project can be integrated with the well development project that increases our groundwater extraction capacity during the peak session.	2005 Integrated Urban Water Management Plan	The groundwater depression area as defined by the groundwater contour of 2150.	> \$10M	In-Design	2008	12,000 AFY			
23	LACWWD40	David Rydman: (tel) 626-300-3351 (fax) 626-300-3385 (email) drydman@dpw.lacounty.gov	Aquifer Storage and Recovery Project: Additional Storage Capacity		This project would increase the District's turnout capacity from AVEK through improvements made to existing infrastructure. Four older, smaller turnout pipelines would be replaced with larger ones to supply water to Aquifer Storage and Recovery wells.	This project would improve the efficiency of the AVEK water supply.	None	The groundwater depression area as defined by the groundwater contour of 2150.	\$500,000	Conceptual	2008				
24	LACWWD40	David Rydman: (tel) 626-300-3351 (fax) 626-300-3385 (email) drydman@dpw.lacounty.gov	Groundwater Banking	City of Lancaster, City of Palmdale, QHWD, RCSD, SWPCA	The project would establish a groundwater bank to include 63,500 AF extraction capacity during dry years and 170,000 AF storage capacity.	There is potential integration with Western Development groundwater banking project. This project has great potential to be integrated with recreational, open space, and flood management opportunities.	2005 Integrated Urban Water Management Plan	TBD	> \$100M	Conceptual	2007	63,500 AFY			

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25	LACWWD40	David Rydman: (tel) 626-300-3351 (fax) 626-300-3385 (email) drydman@dpw.lacounty.gov	Implement Evapotranspiration (ET) Controller Program	City of Lancaster, City of Palmdale, PWD, AVEK. Potentially: BIA, AVWCC, and homeowner associations	Develop and implement an ET controller pilot program in the Antelope Valley that can be used as a model to a future mandatory program for new development. The pilot program will include the purchase and installation of (estimated) two weather stations in a selected residential development and replace (approximately) 300 manually adjusted irrigation controllers with weather-sensitive irrigation controllers for the District's qualified customers.			One project site has been identified in the LACWWD40, Antelope Valley service area that includes 300 residential homes or large landscape sites (parks, golf courses, schools, etc.) with high water savings potential.	\$100K-\$1M	Conceptual		X (100-1000 AF savings)			
26	LACWWD40	David Rydman: (tel) 626-300-3351 (fax) 626-300-3385 (email) drydman@dpw.lacounty.gov	Water Waste Ordinance	City of Lancaster, City of Palmdale, Los Angeles County for unincorporated areas, water suppliers, etc.	Develop a year-round conservation program as an enforceable ordinance to reduce the impacts of water demand during drought years. May include watering schedule ordinance, water waste ordinance, and landscape ordinance for new development.	City of Palmdale landscape ordinance.			X	Conceptual		X (1,000 + AF)			
27	LACWWD40	David Rydman: (tel) 626-300-3351 (fax) 626-300-3385 (email) drydman@dpw.lacounty.gov	Water Conservation School Education Program		Develop and implement a school education program to promote water conservation awareness and encourage stewardship among school-age children (kindergarten through twelfth grade). This program is consistent with BMP No. 8, School Education Program to promote water conservation and water conservation related benefits, including working with school districts and private schools with within the District's service area to provide instructional assistance, educational materials, and classroom presentations that identify urban, agricultural, and environmental issues and conditions in the local watershed.		On March 5, 19996, the Districts became signatories to an MOU regarding Urban Water Conservation in CA administered by the CUWCC. The MOU requires implementation of 14 BMPs by December 31, 2008.		\$100K-\$1M	Conceptual		X savings			
28	LACWWD40	David Rydman: (tel) 626-300-3351 (fax) 626-300-3385 (email) drydman@dpw.lacounty.gov	Ultra Low Flush Toilet (ULFT) Change Out Program		The Districts is proposing an ULFT Change Out Program to distribute ULFTs to customers through one-day Saturday toilet distributions. The one-day distributions provide single-family residents with up to two free ULFTs. This proposal provides one annual one-day distribution events over a three-year duration. Each one-day event will include up to 1,500 ULFTs for District No. 40 per year. This proposal is consistent with BMP No. 14, Residential ULFT Replacement Programs to replace existing high-water-using toilets with ultra-low flush (1.6 gallons or less) toilets for residential customers.		On March 5, 19996, the Districts became signatories to an MOU regarding Urban Water Conservation in CA administered by the CUWCC. The MOU requires implementation of 14 BMPs by December 31, 2008.	LACWWD 40 Service Area	\$100K-\$1M	Conceptual		X (1-100 AF)			
29	LACWWD40	Carolina Hernandez: (tel) 626-300-3318 (fax) 626-300-3385 (email) chernandez@dpw.lacounty.gov	Avenue M and 60th Street West Tanks		This project would include the design and construction of four 3 MGD water storage tanks.	This project would provide the necessary system pressure, if the water from AVEK was diminished or not available. Thus providing for greater water supply reliability.		The tanks would be located at the intersection of Avenue M and 60th Street West in the City of Palmdale.	> \$10M	Conceptual					
30	LACWWD40	Michael Ignatius: (tel) 626-300-3396 (fax) 626-300-3385 (email) mignatius@lacounty.gov	Avenue K Transmission Main, Phases I-IV		The project consists of four phases for a total of approximately 32,000 linear feet of 30" and 36" diameter steel transmission main.	The proposed transmission main will have interconnections to the existing distribution system and will increase the capacity of the water system to meet the existing domestic and fire protection requirements.		Phases I-IV will be aligned in Avenue K and consist of: 8,000 ft from 10th St. West to 5th St. East; 8,000 ft from 5th St. East to 20th St. East; 10,800 ft from 10th St. West to 30th St. West; and 5,280 ft from 20th St. East to 30th St. East; 15,800 ft from 30th St. East to 60th St. East respectively.	> \$10M	In-Design					
31	LACWWD40	Dave Pedersen: (tel) 626-300-3317 (fax) 626-300-3385 (email) dpedersen@dpw.lacounty.gov	Partial Well Abandonment of Groundwater Wells for Arsenic Mitigation		This project proposed arsenic mitigation of three - five groundwater wells using a proven and cost-effective non-treatment alternative to expensive treatment methods.			Various wells locations in District 40.	\$700,000	In-Design, CEQA exempt	2008		X		

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32	LACWWD40	Dave Pedersen: (tel) 626-300-3317 (fax) 626-300-3385 (email) dpedersen@dpw.lacounty.gov	North Los Angeles/Kern County Regional Recycled Water System		This project would involve construction of a recycled water backbone system identified in the Antelope Valley Facilities Planning Study to serve recycled water to more areas of the Region. It would also involve expansion of the Lancaster and Palmdale WRPs. The initial phase will involve construction of the backbone pipeline from Lancaster WRP south, in the direction of the majority of the existing potential recycled water users. The backbone pipeline alignment for Phases 1A and 1B was chosen to coordinate with recycling water plans that the City of Lancaster is completing in the near future. Also, the backbone pipeline for the recycled water distribution system will need to begin at the WRP. Phase 2 will construct the backbone pipeline from the Palmdale WRP and provide reservoir storage and include distribution pipelines extending out from the backbone to additional large potential users. The recycled water pipeline routes in Phases 3 and 4 are designed to distribute to large potential recycled water users in areas not yet served in the service areas. The P	The recycled water backbone system project would integrate with other planned recycled water projects such as the City of Lancaster's groundwater recharge with recycled water project, and will provide the infrastructure and recycled water for the City of Palmdale's Power Plant.	Final Facilities Planning Report, Antelope Valley Recycled Water Project (Project Facilities Plan) prepared by Kennedy/Jenks Consultants		> \$10M	Design completed, CEQA initiated	2011				17,491 AFY of recycled water demand estimated for Antelope Valley service area at buildout.
33	LADPW	Alvin Cruz: (tel) 626-458-4330 (fax) 626-458-3534 (email) ascruz@dpw.lacounty.gov	Quartz Hill Storm Drain	City of Palmdale, City of Lancaster	The project consists of the design and construction of a RCP storm drain to provide stormwater collection and conveyance within the unincorporated Los Angeles area of Quartz Hill.	The proposed project would alleviate local flooding and have the potential to provide water conservation and improved water quality.	Antelope Valley Comprehensive Plan of Flood Control and Water Conservation, City of Palmdale Master Plan of Drainage, City of Lancaster Master Plan of Drainage.	The Quartz Hill area, located in the southwest portion of the Antelope Valley, experienced severe flooding during the 2004-05 storm season. As such, the County has proposed to construct a storm drain, including several later connections and catch basins, in Downtown Quartz Hill to eliminate nuisance runoff. The project would connect to existing and new drainage facilities, with the improvements located mainly along 50th Street, from Avenue M-8 to Avenue K-8 (Thomas Guide 4104 H3 H7).	\$6.9 million	In-Design	Construction could begin after the establishment of an assessment district and collection of sufficient funds to meet the construction costs. Construction could commence in 2008.				Flood protection of 95 acres County right-of-way, and 1,108 acres private property
34	Leona Valley Town Council	Robert Wood: (tel) 661-270-9745 (fax) 661-270-9745 (email) robertwood8401@sbcglobal.net	Precision Irrigation Control System		Irrigation control system using electronic sensor probes at root level. Sensors relay data to a computer which controls irrigation valves, delivering a precise amount of water and effectively eliminating over-irrigation.	This project is completely scalable and could act as a pilot project for any agricultural operation from small to large.		Agriculture operations throughout Leona Valley including cherry orchards, flower farms, and vineyards.	\$100K - \$1M	Ready for construction	2008	150 AF			
35	Leona Valley Town Council	Robert Wood: (tel) 661-270-9745 (fax) 661-270-9745 (email) robertwood8401@sbcglobal.net	Stormwater Harvesting		Surface collection of stormwater that is filtered and stored in cisterns and collection tanks to be used for irrigation. Through advanced filtration, this project can be expanded to create potable water for homes.	This would integrate with Leona Valley "Precision Sensor" project in regard to furthering water conservation, as well as assistance in achieving goals of any regional conservation plan.		Agriculture operations throughout Leona Valley including cherry orchards, flower farms, and vineyards. Expansion of project will include homes as well through the creation of potable harvested water.	\$100K - \$1M	Ready for construction	2008	25 AF			
36	No Current Sponsor	John Goit: (tel) 661-433-4486 (email) goj893@aol.com	Amargosa Water Banking & Stormwater Retention Project	City of Palmdale?, AVSWCA would support	The Amargosa Water Banking and Storm Water Retention (Amargosa) Project involves banking water to restore the depressed water table to 250 to 335 feet below ground, thereby saving pumping costs. Additionally, the Amargosa Project may include the addition of check dams and holding basins to facilitate storm water capture and improve flood control. These sites may double as open space/recreation areas.	The Amargosa project can be integrated with several other types of projects including, but not limited to, other water banking programs, future recycled water recharge programs, water conservation programs, flood control programs, watershed management, and habitat/open space/recreation programs.	The Amargosa project is currently not described in any existing water resource plans	Located within the City of Palmdale, between Avenue M and Palmdale Blvd	\$100K - \$1M	Conceptual					Restoration of the depressed water table through water recharge to 250 to 335 feet below ground could save approximately \$450,000 annually in pumping costs.
37	PWD	Curtis Paxton: (tel) 661-947-4111 Ext 146 (fax) 666-947-8604 (email) cpaxton@palmdalewater.org	Littlerock Dam Sediment Removal		This project will remove up to 540,000 cubic yards of sediment that has been accumulated from runoff into Littlerock Reservoir, and up to 40,000 cubic yards on an annual basis after the initial sediment is removed. The project may include a grade control structure that will protect the identified habitat of the arroyo toad.	The estimated cost is approximately \$4 million (for removal of 540,000 cubic yards by trucking and construction of a grade control structure to protect the arroyo toad habitat). The Administrative Draft EIR/EIS has been prepared and is being reviewed by District staff. Construction could begin in Fall 2008 and construction duration would be approximately two years.		Littlerock Dam and Reservoir	\$4M	ADEIR under staff review	2008/2009	X (1,000 + AF)			

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38	PWD	Curtis Paxton: (tel) 661-947-4111 Ext 146 (fax) 666-947-8604 (email) cpaxton@palmdalewater.org	Water Conservation Demonstration Garden		This project involves the construction of a water conservation garden that will educate the public on water use efficiency practices.	This project can assist water purveyors in the Antelope Valley in meeting BMPs for water use efficiency. The District has completed preliminary design plans for this project. A business plan is being developed to identify the best ways of funding this project and preferred way of operating the garden. The Garden would be built in 5 phases, and the total cost of the 5 phases is approximately \$9 million. A Negative Declaration was prepared for this project in 2003. If funding is made available, the phases could be constructed in the period of 2008 to 2013.		2029 East Avenue Q, Palmdale	\$9M	Pre-design complete, CEQA complete (ND in 2003)	2008-2013	X savings			
39	PWD	Curtis Paxton: (tel) 661-947-4111 Ext 146 (fax) 666-947-8604 (email) cpaxton@palmdalewater.org	Groundwater Recharge - Recycled Water Project		This project involves groundwater recharge using recycled water from the Palmdale Water Reclamation Plant.	This project could integrate with recharge projects on the east side using SWP water. The District hired Wildermuth Environmental to perform a reconnaissance-level study on doing groundwater recharge with recycled water from the Palmdale Water Reclamation Plant. The District will receive the draft report from Wildermuth Environmental next week, and will know what some estimated costs will		No location has been determined yet.	> \$10M	Conceptual	2011	48,000 AFY			
40	PWD	Curtis Paxton: (tel) 661-947-4111 Ext 146 (fax) 666-947-8604 (email) cpaxton@palmdalewater.org	New PWD Treatment Plant		This project involves the construction of a new water treatment plant that will treat SWP water and Littlerock Reservoir water. The initial capacity of the plant will be 10 MGD.	The estimated cost is approximately \$50 million for a 10-MGD plant that would be expandable to 30-MGD. The conceptual design is currently underway and a more detailed estimate will be available at the conclusion of the conceptual design process (Summer 2007). This project was included as part of the EIR done for the 2001 Master Plan Update. Construction could begin in 2010 and last through 2012.	PWD Master Plan	47th Street East and the California Aqueduct	\$50M	EIR completed w/ 2001 Master Plan	2010-2012		X (10 MGD)		
41	PWD	Curtis Paxton: (tel) 661-947-4111 Ext 146 (fax) 666-947-8604 (email) cpaxton@palmdalewater.org	ET-Based Controller Program		This project involves the installation of ET-based irrigation controllers for landscaped areas. The cost of this project is approximately \$135,000. There is no CEQA documentation required for this project, and the project could be implemented in 2007 and 2008.	This project can integrate with landscape ordinances enacted by the cities and county. This project can assist water purveyors in the Antelope Valley in meeting Best Management Practices for water use efficiency, and will reduce runoff from overwatering of landscaped areas.		Various	\$135K	Conceptual, no CEQA required	2007-2008	X (1,000 + AF)			
42	RCSD	Claud Seal: (tel) 661-256-3411 (email) cseal@qnet.com	KC & LAC Interconnection Pipeline	LACSD	Place 36" piping between RCSD and LAC at Avenue A at 20th and 60th Streets West. Place piping north and south on 20th and 60th to existing recycled water pipelines.	Will carry recycled water from/to LA County Tertiary Treatment Plant into Kern County to LA County			\$100K - \$1M						
43	RCSD	Claud Seal: (tel) 661-256-3411 (email) cseal@qnet.com	Place Valves and Turnouts on Reclaimed Water Pipeline	AVEK, all entities using banking water	Place various required turnouts, remove controlled valves, treatment stations, other control features to move water around.	Will provide valving and controls to direct water to various pipelines for use by RCSD, AVEK, LA County Water, etc.			\$100K - \$1M	In Design					
44	RCSD	Claud Seal: (tel) 661-256-3411 (email) cseal@qnet.com	Purchasing Spreading Basin Land	AVEK, all entities using banking water	Purchase water spreading basins land in West Kern County from Ave. A to Rosamond B.	Will provide land to spread water for percolation and water banking for other entities.			\$1M - \$10M						
45	RCSD	Claud Seal: (tel) 661-256-3411 (email) cseal@qnet.com	Deep wells to Recapture Banked Water	AVEK, all entities using banking water	Drill and equip 6 deep wells between Avenue A and Rosamond Blvd., 70th to 140th Street West.	Will provide way of capturing banked underground water when needed.			\$1M - \$10M						
46	RCSD	Claud Seal: (tel) 661-256-3411 (email) cseal@qnet.com	Gaskell Road Pipeline	AVEK, all entities using banking water	Place new 36" pipeline on Gaskell Road, from 60th to 140th to transport water from well fields.	Will provide way of capturing banked underground water when needed.			\$1M - \$10M	Conceptual		X (100-1000 AF)		X	
47	RCSD	Claud Seal: (tel) 661-256-3411 (email) cseal@qnet.com	Tropico Park Pipeline Project	AVEK, all entities using banking water	Place 16" recycled water pipeline from Gaskell Road north to Tropico regional Park area.	Will provide way of using tertiary water to develop and water a regional park north to Tropico Hill.			\$1M - \$10M	In Design		100 - 1000 AF	X	X	X
48	RCSD	Claud Seal: (tel) 661-256-3411 (email) cseal@qnet.com	RCSD's Wastewater Pipeline	LACSD	Place 36" piping between RCSD's WWTP and LACSD.	Would provide for a possible expansion of RCSD's recycled water services beyond the 0.5 mgd expansion in order to provide more recycled water in a quicker period of time. Bringing excess waste water from LAC would provide the inflow.			13,000,000	Conceptual					

