APPENDIX 4-B

Identified Project and Program Descriptions

Project/ Program Name	TAC AREA	Project/ Program Location	Project/ Program Type	Status	Summary
San Simeon Creek Road Flooding Remediation (planning through design and construction)	No. 1	San Simeon Creek Road has a low area that floods, which is about 550 feet east of Van Gordon Creek Road.	Channel restoration	Planning/Design Phase	Project would assess the flow channel of Van Gordon Creek and its associated culverts due to the creek channel overflowing its western bank onto State Parks property during heavy rainfall. The overflow from Van Gordon Creek flows to a low point on the San Simeon Creek road approximately 550 feet east of the Van Gordon Creek road intersection. The main Van Gordon Creek flow channel would be cleared of debris and severely corroded or undersized culverts would be replaced to allow flow from a 100-year return frequency storm to pass without flooding. The low point of the roadway may be increased in elevation to improve upon drainage along the roadway shoulders. The project may also include repurposing and utilizing the Cambria Community Services District existing constructed pond at the location for stormwater capture to support water supply and environmental needs. Work would include all necessary project management and permitting that has not already been completed in the CCSD Supplemental Environmental Impact Report for the Sustainable Water Facilities.
Santa Rosa Creek Floodplain & Wetland Retention Plan	No. 1		Watershed based	Planning/Design Phase	Increase the flood retention in the upper and middle reaches of Santa Rosa Creek to increase percolation and reduce flood risk. Based on percolation potential, approximately 19,000 acres with high and medium potential for groundwater recharge were identified.

Santa Rosa Creek Streamflow Enhancement	No. 1		Watershed reach scale	Planning/Design Phase	The approaches to enhance dry season flows in Santa Rosa Creek are: 1) capturing and retaining water in the watershed from winter storms, and 2) reducing the amount of water being utilized (i.e. consumptive use): capture and recharge of peak wet season flow, increased water conservation, and greywater systems for non-potable water.
Capture and Reuse of Storm Water	No. 2	9th and El Morro	Regional CIP	Conceptual Phase	The District would like to redistribute the storm water to the Los Osos Waste Water Treatment Plant to supplement their recycled water program.
Bioreactor Installation in Morro Bay Watershed	No. 2	Various locations in Morro Bay watershed	Watershed reach scale	Conceptual Phase	Sub-watersheds (e.g., Warden Creek) within the Morro Bay watershed have elevated nitrate levels. Bioreactors could be implemented to capture agricultural run-off and treat elevated nitrates at multiple locations in the watershed.
Various Projects, Camp San Luis Obispo	No. 2	Camp San Luis Obispo	Groundwater recharge, flood management, water quality, rain capture	Conceptual Phase	Camp San Luis Obispo is proposing several stormwater management projects for implementation throughout the installation.
2nd Street Baywood Green Street Project	No. 2	2nd Street in Baywood/Los Osos at Baywood Pier	Green Street	Conceptual Phase	The concept design integrates stormwater management, improves pedestrian safety, and is consistent with the community's planning effort. Conceptual Design available at: https://www.centralcoastlidi.org/project-details.php?id=3
Embarcadero Surf Project	No. 2	Embarcadero at terminal end of Surf St.	constructed project-Biofiltration LID	Concept Design	A raised planter box biofiltration SCM would provide water quality treatment, public seating and urban greening improvement on the waterfront. Runoff would be routed into the SCM, infiltrated through bioretention soil media with treated runoff exiting the SCM via an underdrain.

Cloisters Project	No. 2	Cloisters Community Park	constructed project- Infiltration Basin		The green infrastructure project opportunity includes modification of the existing swale to improve detention, infiltration and water quality treatment by creating a series of infiltration cells that slow and hold water. Excess flows would be conveyed to the existing wetland. Significant stormwater management is provided at a low cost ($6.50 per square foot).
Embarcadero Boat Wash Project	No. 2	South end of Embarcadero near the Boat Wash Station	constructed project - biofiltration LID (dry and weather runoff)	Concept Design	Runoff would be routed into biofiltration SCM, infiltrated through bioretention soil media with treated runoff exiting the SCM via an underdrain to the existing piped stormwater conveyance system. The existing inlet also receives stormwater runoff from the north. This project option only addressed the DMA that includes the boat wash area.
Morro Bay State Park Marina Parking Lot LID	No. 2		LID Retrofit	Planning/Design Phase	This project would support the planning and installment of stormwater pollution prevention infrastructure at this waterfront location.
Meadow Park Capture and Use	No. 3	Meadow Park, City of San Luis Obispo	Capture and reuse	Concept Design	A StormTrap system (or other proprietary system) would be installed, with stormwater runoff routed to the system. Additionally, the design includes an irrigation component so that captured stormwater can be used to irrigate the park
Mitchell Park Bioretention	No. 3	Mitchell Park, City of San Luis Obispo	constructed project- Biofiltration LID	Concept Design	The Mitchell Park Bioretention Project will manage stormwater runoff from the surrounding residential neighborhood. This project will capture and infiltrate approximately 25% of the 85th percentile, 24-hour storm event from the contributing 4 acres.
Higuera Widening Project	No. 3	Vicinity of Higuera and Broad streets, City of San Luis Obispo	constructed project- Biofiltration LID	Concept Design	A variety of road-widening, conveyance-improvement, and biofiltration project elements along this arterial in the southern part of the city.
Stormwater Infiltration basins	No. 4	various locations within Oceano	LID New	Planning/Design Phase	Storm water infiltration basins are being pursued as part of the Oceano CSD's Low Impact Development efforts. In addition, the District is considering an LID storm water recharge for its parking lot.

Pismo Preserve Roads Improvement Project	No. 4	80 Mattie road, Pismo Beach CA	BMP Implementation	Conceptual Phase	The Land Conservancy would like to improve the drainage features on the dirt roads at Pismo by using modern BMPs for dirt road design, including out sloping roads, rolling dips and armoring drainage features.
Corbett Creek Floodplain and Stream Restoration	No. 4	456 Carpenter Canyon Rd, APN # 007 791 032	BMP Implementation	Planning/Design Phase	Component 1 of the project is to design, permit, and implement a floodplain sediment basin. Component two is to design and draft permits for a channel restoration project along 4200 ft of stream to restore the channel geometry thereby increasing flow volumes.
South Halcyon Green / Complete Street	No. 4	South Halcyon Road between US -1 and US-101	Green Street	Planning/Design Phase	The City of Arroyo Grande would like to evaluate improvements that address mobility (bike, pedestrian, vehicles, transit), urban greening, and stormwater management.
Oceano Drainage Improvement Project	No. 4	Incorporated are of Oceano, north of AG Creek along Hwy 1 near 13th Street and Paso Robles Street intersections	Regional CIP	Ready for Implementation	The proposed improvements for the project are designed to reduce the potential for flooding at the intersection of Highway 1 with 13th Street and Paso Robles Street. The Project consists of installing new storm drain facilities near and around the intersection of Highway 1 with 13th and Paso Robles Street, additional storm drain facilities within 15th street and Paso Robles Street intersection, a concrete sedimentation basin in the RV Storage Lot near Arroyo Grande Creek, a box culvert through the existing Arroyo Grande Creek levee and road side infiltration systems within the existing residential community.
Implementation Plan for the Oso Flaco Watershed	No. 5		BMP Implementation Plan	Planning/Design Phase	The Alternatives Analysis and BMP Implementation Plan is a planning, monitoring and outreach project to develop an alternatives analysis and implementation plan to address groundwater and surface water pollution, agricultural and storm water runoff and conveyance issues.
Upper Spring Street LID	No. 7	Spring Street (24th Street to 36th Street)	Regional CIP	Conceptual Phase	The conceptual project will redevelop Spring Street to construct and incorporate bioretention features along the Spring street corridor from 24th Street to 36th Street.

Mountain Springs Sedimentation Basin	No. 7	Mountain Springs Road and Nacimiento Lake Road	Regional CIP	Planning/Design Phase	The proposed project is to construct a stormwater infiltration basin that will receive stormwater runoff from a 1,400-acre watershed area located in the western boundary of Paso Robles.
Montebello Oaks Basin Retrofit	No. 7	Lat/Long: 35°38'21.86"N 120°40'36.01" W	Regional CIP	Conceptual Phase	The proposed project is to retrofit an existing basin and drainage outfall area, and to repair the basin to increase functionality and retrofit the outlet area to include an infiltration basin as well as features to arrest sediment, and peak flows to the receiving water.
Grand Canyon Basin Retrofit	No. 7	Lat/Long: 35°37'16.75"N 120°39'20.01" W	Regional CIP	Conceptual Phase	Retrofit existing basin to encourage infiltration and mitigate peak flows within the watershed.
Melody Basin Retrofit	No. 7	Lat/Long: 35°37'1.43"N 120°39'52.90" W	Regional CIP	Conceptual Phase	Retrofit the basin to include features that allow increased infiltration, increase wetland vegetation, and create a walking trail that allows better visibility and public use.
Niblick LID Drainage Retrofit	No. 7	Lat/Long: 35°36'56.34"N 120°40'2.62"W	Regional CIP	Conceptual Phase	Retrofit an existing road side drainage that receives runoff from the surrounding urban landscape area.
Atascadero Sunken Gardens Stormwater Capture	No. 7	El Camino Real @ West Mall	Regional CIP	Conceptual Phase	. Project proposes roadway edge treatment improvements and underground infiltration chambers within the city-owned Sunken Gardens from approximately 18.7 acres of developed urban core.
El Camino Real Greenstreets Project	No. 7	El Camino Real - from Highway 41 to Traffic Way	Green Street	Conceptual Phase	Capture and treat storm water runoff for a 9-acre portion of downtown Atascadero. Project BMP components include on-street median or roadway edge vegetated swales, vegetated bulb outs, and larger planter retention basins.
Toad Creek Basin 8A	No. 7	Templeton	Infiltration basin	Preliminary	Project 8A is on the west side of N Main Street and is preliminarily sized for a 25-year design storm and will provide approximately 130 ac-ft of storage in order to produce ensure

					peak outflow maximum of 850 CFS through existing limiting downstream culverts.
Toad Creek Basin 8B	No. 7	Templeton	Infiltration basin	Preliminary	Project 8B is a retention area within an existing floodplain serving to collect storm water for the 300 acres added to the draft study area. This acreage is located north and east of the Main Street-Highway 101 interchange extending to the railroad tracks.
San Juan Storm Water Infiltration Project	No. 8	San Juan Valley east of Shell Ck. Rd. and west of San Juan Rd.	Groundwater recharge	Conceptual Phase	A project to capture excess storm water and spread it for slow percolation into the groundwater on sandy open fields and vineyards.
Stormwater Rewards Rebate Program	All	County wide	LID Retrofit	Conceptual Phase	The Stormwater Rewards Rebate Program will provide cost-share rebates to landowners retrofitting their property with Low Impact Development practices that slow, spread, and sink stormwater runoff. Program will install BMPs such as rain gardens, cisterns, and vegetated swales, among others. Priority will be on highly impervious land uses. Outreach workshops will expand knowledge on LID implementation for landowners, installers and vendors.
County-wide Key Percolation Zone Study	All	Countywide program	County-wide planning	Ready for Implementation	Study will provide resource managers the ability to develop projects to improving groundwater conditions, identifying Key Percolation Zones in two pilot watersheds (Santa Rosa and San Luis Obispo creeks) and apply the methodology to the remaining 23 watersheds identified in the SLO Watershed Management Plan.

Earth Genius - Educational Programming	All	Any of 43 public elementary schools in the County.	Educational program	Ready for Implementation	One Cool Earth's Earth Genius program provides water-focused education and hands-on projects with real-world impacts at public elementary schools in San Luis Obispo County. The program works with schools year-round, reaching all students in the school with several interactions throughout the year, installing demonstration projects with students and completing standards-based curriculum.
Agricultural Water Management	All	County wide	Technical assistance and education	Conceptual Phase	Provide education, training, technical support, and capital funding to improve agricultural water management and irrigation efficiency: 1. Funding assistance for agricultural water meters and other irrigation system improvements. 2. Development of mobile applications for weather-based irrigation scheduling. 3. Education, outreach and training for farmers on irrigation water management. 4. Conducting Irrigation system evaluations with the CSLRCD Mobile Irrigation Lab. 5. Funding for irrigation system improvements. 6. Funding for farm-scale sediment capture / stormwater infiltration BMPs. 7. Assist farmers with funding (grant or other) applications to replace inefficient pumps and motors.