San Luis Obispo County
Flood Control and Water Conservation District

Stormwater Resource Plan (SWRP)
Public Outreach Meeting

August 9, 2018

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County Public Works Department

Meeting Objectives

- Informational
- Stormwater as a resource
- Multi-Benefit Stormwater Project Examples
- Community Involvement
- Feedback

Multi-Agency Collaboration

Stormwater
Resource Plan

Stormwater Resource Plan (SWRP)

Senate Bill (SB) 985 requires a stormwater resource plan as a condition of receiving State bond grant funds for **storm water capture** and **dry-weather runoff projects**

Why Stormwater “Capture”?

- **Traditionally** – Stormwater is sent to rivers, creeks, streams, ocean
- **Challenging** – Flooding, sediment or other pollutants, infrastructure
- **Resource** – Drought, climate change, groundwater recharge

Why Dry Weather Runoff?

Prevention of water waste and potential contamination from:

- Irrigation runoff (residential or agriculture)
- Other residential runoff – i.e. car wash or plumbing breaks
- Commercial – i.e. Golf courses
- Industrial – i.e. wastewater spills

Why develop a SWRP?

- **Voluntary –** Stormwater resource to address challenges
- **Eligibility –** Public agencies & non–profits can seek grant funding
- **Community** – document community specific needs
- **Holistically –** watershed based approach to leverage funds

Funding Sources

- **Prop 1** – $7.545 Billion for Water Projects
  - $200 million for stormwater
    - Planning Grants – $10 million already awarded
    - Round 1 Implementation Grants - $80 million already awarded
    - **Round 2 Implementation Grants - $90 Million** → Expected Fall 2019

- **Prop 68** – Passed in June - $4.1 billion
  - **Flood protection - $500 Million**

- **Prop 3** - On Nov 2018 ballot - $8.88 billion
  - **Stormwater - $600 Million**

Match Requirements for DACs

Match Requirement [1,2]
Group A: Small & Severely DAC Storm Water Service Area and 100% of the Project Benefits the Small & Severely DAC 5% match if population is less than 20,000 persons **AND** median household income (MHI) is less than 60% of the Statewide MHI
Group B: DAC or EDA Storm Water Service Area and 100% of the Project Benefits the DAC or EDA 10% match if the community meets the definitions
Group C: Greater than 50% of the Project Construction Occurs in and Benefits a DAC/EDA i) 20% match, if 100% of the construction occurs in and benefits the DAC or EDA; ii) 25% match, if at least 75% (but less than 100%) of the construction occurs in and benefits the DAC or EDA; or iii) 30% match, if at least 50% (but less than 75%) of the construction occurs in and benefits the DAC or EDA.

[1] Match is calculated based on the *total project cost*, **not** on the grant amount.
Total Project Cost x %Match = Required Match
i.e. - $3,750,000 (Total Project Cost) x 10% (Percent Match) = $375,000 Match

[2] See definitions in Appendix D

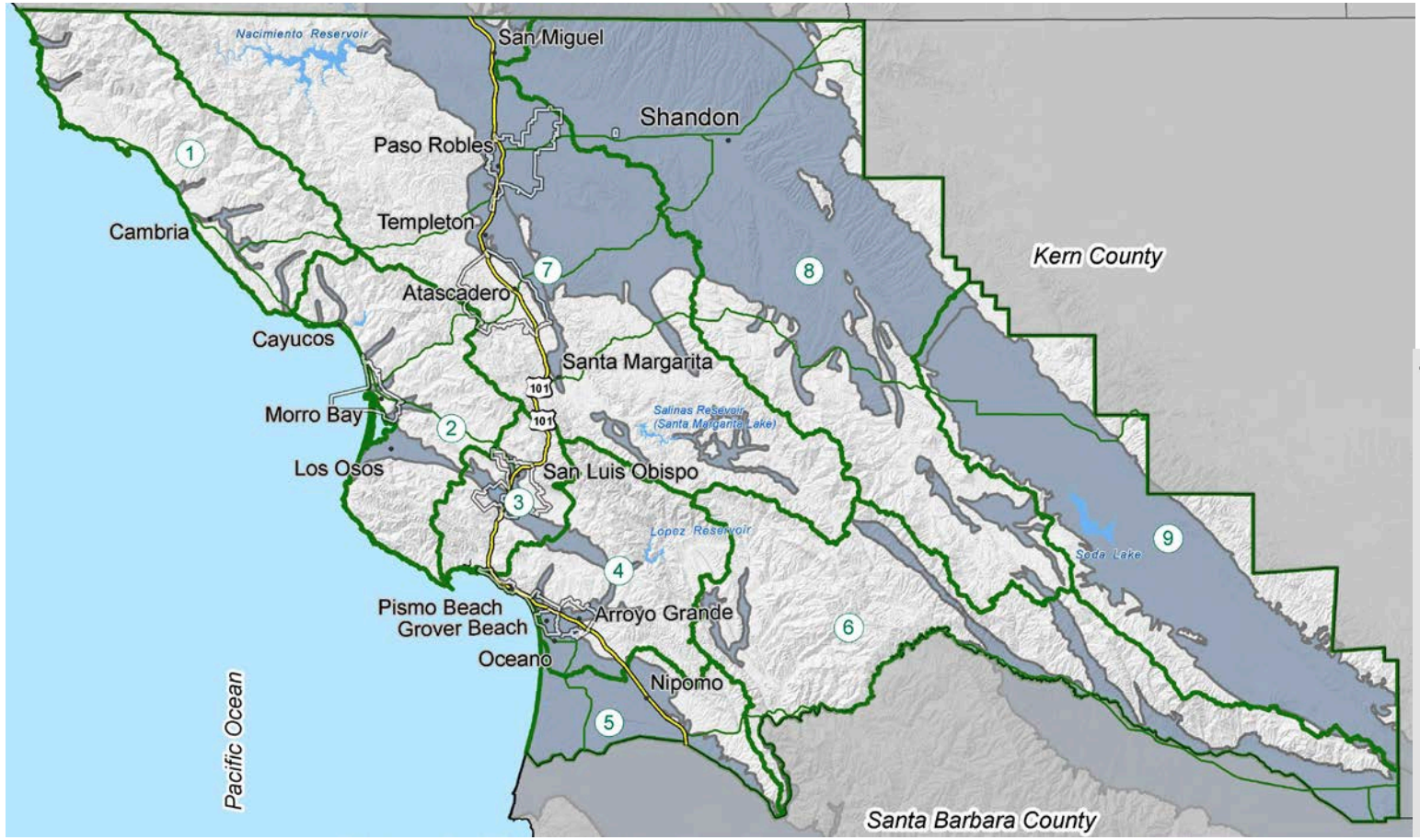
Table 2.
Prop 1 Storm Water Grant Program Guidelines

The SWRP Development

Technical Advisory Committee (TAC)

- State Water Board and Regional Water Board reps
- Interested parties such as
  - municipalities
  - water suppliers
  - local agencies
  - non-governmental organizations
  - public utilities
  - regulatory agencies

Nine (9) TAC Areas



TAC Areas:

1. San Simeon /Cambria
2. Cayucos / Morro Bay / Los Osos
3. San Luis Obispo Creek
4. Arroyo Grande/Pismo Creeks
5. Nipomo
6. Cuyama River
7. Salinas River
8. Estrella River
9. Carrizo Plain

No.	TAC Area	TAC Lead	Representative
1	San Simeon/Cambria	Upper Salinas Las Tablas RCD	George Kendall, Board Member
2	Cayucos/Morro Bay/Los Osos	City of Morro Bay	Damaris Hanson, Environmental Programs Manager
3	San Luis Obispo Creek	City of San Luis Obispo	Freddy Otte, Biologist
4	Arroyo Grande/Pismo Creeks	City of Arroyo Grande	Robin Dickerson, City Engineer
5	Nipomo	County of San Luis Obispo	Ron Munds, County Public Works
6	Cuyama River	County of San Luis Obispo	Ron Munds, County Public Works
7	Salinas River	City of Paso Robles	David LaCaro, Stormwater Program Manager
8	Estrella River	Shandon-San Juan Water District	Willy Cunha, Director Shandon San Juan Water District
9	Carrizo Plain	County of San Luis Obispo	Ron Munds, County Public Works

Draft Objectives for the SWRP

1. **Improved Resource Management at regional & watershed-scale**
2. **Stronger Integration of Programs, Projects, and Stakeholders**
3. Obtaining and Maintaining Water Quality Parameters
4. Address the Effects of Climate Change
5. Assess and Incorporate Disadvantaged Community Needs
6. Integrate Groundwater Basin Management and Groundwater Sustainability Agencies (GSA's)
7. Ecosystem Enhancement for Fish & Wildlife
8. Develop an Approach to Form Continual Adaption of SWRP

Multiple Benefits (Multi-Benefit)

Multi-Benefit Capture Projects

Each project/program should address:

1. At least **two (2) or more MAIN BENEFITS**
   - **WATER QUALITY**
   - **WATER SUPPLY**
   - **FLOOD MANAGEMENT**
   - **ENVIRONMENTAL**
   - **COMMUNITY**
2. As many as feasible **ADDITIONAL BENEFITS**

WATER QUALITY

Contributing to compliance with applicable permitting and regulatory requirements

MAIN BENEFIT

- Increased filtration and/or treatment of runoff

ADDITIONAL BENEFIT

- Nonpoint source pollution control
- Reestablished natural water drainage and treatment

WATER SUPPLY

Through groundwater management and/or runoff capture and use (includes “on-farm” recharge)

MAIN BENEFIT

- Water supply reliability
- Conjunctive use

ADDITIONAL BENEFIT

- Water conservation

FLOOD MANAGEMENT

MAIN BENEFIT

- Decreased flood risk by reducing runoff rate and/or volume

ADDITIONAL BENEFIT

- Reduced sanitary sewer overflows

ENVIRONMENTAL

MAIN BENEFIT

- Environmental and habitat protection and improvement,
- ADDITIONAL BENEFIT
- Reduced energy use, greenhouse gas emission, or provides a carbon sink
- Reestablishment of the natural hydrograph
- Water temp. improvements

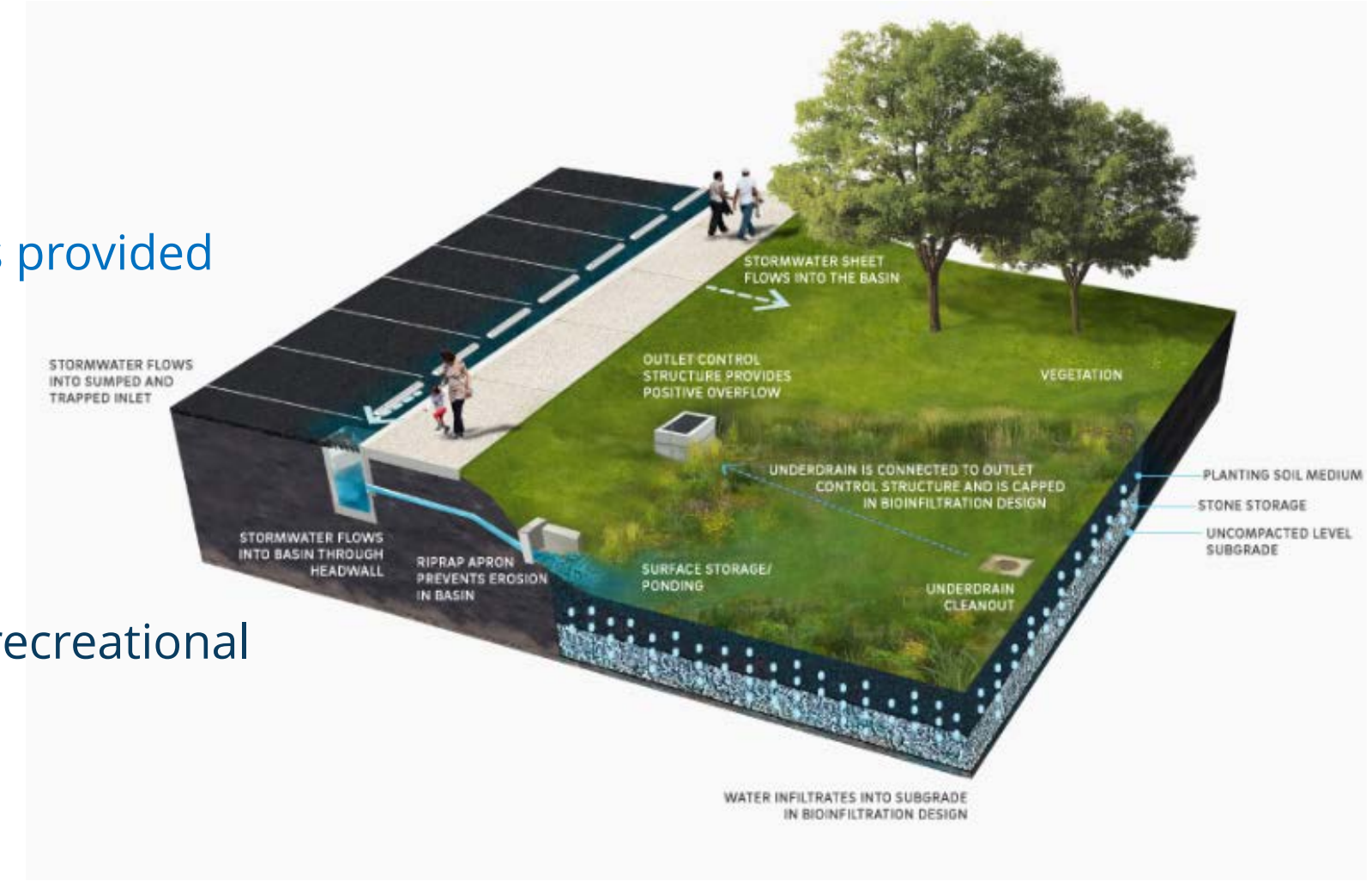
COMMUNITY

MAIN BENEFIT

- Employment opportunities provided
- Public education

ADDITIONAL BENEFIT

- Community involvement
- Enhanced and/or created recreational and public use areas



Project Scoring and Examples

Project Evaluation & Prioritization

- **Online Survey Solicitation**
- **30+ Projects Received**
- **Project Management Team (PMT) -** Evaluated projects for completeness
- **TAC members -** Coordinated with TAC Area Stakeholders on project prioritization

WATER QUALITY: to receive a non-zero project score, project must remove pollutants from stormwater or dry weather runoff via chemical, physical, and/or biological processes	
Designed for treatment of the 85% 24-hr storm volume (Y/N)	2/0
Designed for treatment of the 95% 24-hr storm volume (Y/N)	1/0
Treats dry-weather flows	1/0
Sensitive downstream receiving water (WMZs 1, 2, 3, 5, 6, 8, or 9) (Y/N)	2/0
Specific TMDL or 303(d)-listed pollutants in downstream receiving water (including groundwater used for water supply) (Y/N)	2/0
TELR loading in catchment (scaled, minimum to maximum loading County-wide)	0→2
SUM	**(0→10)**
WATER SUPPLY: to receive a non-zero project score, project must reduce net municipal or agricultural consumption through direct reuse or aquifer recharge of stormwater runoff	
Designed to infiltrate or otherwise reuse water (Y/N)	1/0
Projected quantity of water infiltrated or otherwise reused (scaled volume, minimum to maximum value of all proposed projects) (annual volume)	0→3
Overlies infiltration-favorable WMZ (WMZs 1, 2, 4, 5, 8) (Y/N)	2/0
In current supply-limited area (scaled, ground subsidence from 0 to maximum value, County-wide) (identified "critical groundwater areas" = maximum value)	0→3
In projected future supply-limited area (scaled, groundwater dependence index from 0 to maximum value, County-wide) (identified "critical groundwater areas" = maximum value)	0→1
SUM	**(0→10)**

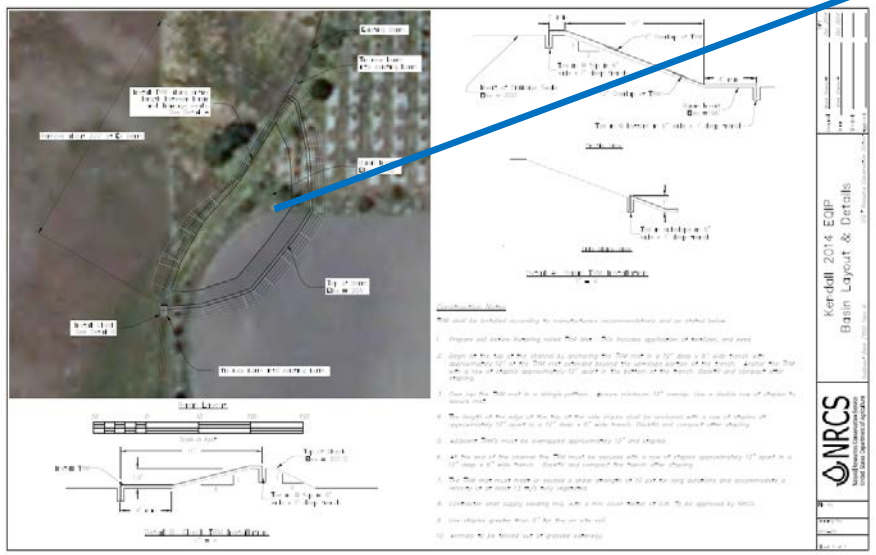
FLOOD MANAGEMENT: to receive a non-zero project score, project must reduce runoff rates or volumes of stormwater runoff	
Designed to infiltrate or otherwise detain water (Y/N)	1/0
Quantity of water infiltrated or otherwise detained (scaled volume, minimum to maximum value of all proposed projects) (maximum facility volume per storm event)	0→3
Existing downstream flooding and/or sedimentation risks to public property and/or human health and safety (Y/N)	4/0
TELR runoff in catchment (scaled, minimum to maximum runoff, County-wide)	0→2
SUM	**(0→10)**
ENVIRONMENT: to receive a non-zero project score, project must restore/protect watershed and/or ecological processes impacted by stormwater or dry weather runoff	
Designed for treatment of the 85% 24-hr storm volume (Y/N)	2/0
Creates/restores/protects wetland, in-stream, or riparian habitat (scaled by area [0.1 to max score ≥10 acres] or length [1 to max score ≥100 ft])	0→2
Number of at-risk aquatic animal species (from EnviroAtlas) (scaled, 0 to maximum value, County-wide)	0→2
Length of identified critical steelhead habitat within catchment (scaled, 0 to maximum value, County-wide)	0→3
TELR runoff in catchment (scaled, minimum to maximum runoff, County-wide)	0→1
SUM	**(0→10)**

	WATERSHED GROUP	METRIC SCORE	COMMUNITY	PROJECT READINESS	PROJECT VALUE AND PERFORMANCE	ENVIRONMENT (non-water resource)	COORDINATION & COLLABORATION	ESTIMATED COST
San Simeon Creek Road Flooding Remediation	1	4.4	○	○	○	●	●	$100,000
Santa Rosa Creek Floodplain & Wetland Retention Plan	1	4.3	⊙	⊙	⊙	●	●	$166,000
Santa Rosa Creek Streamflow Enhancement	1	4.3	⊙	⊙	⊙	●	●	$631,000

Upper Salinas Las Tablas RCD

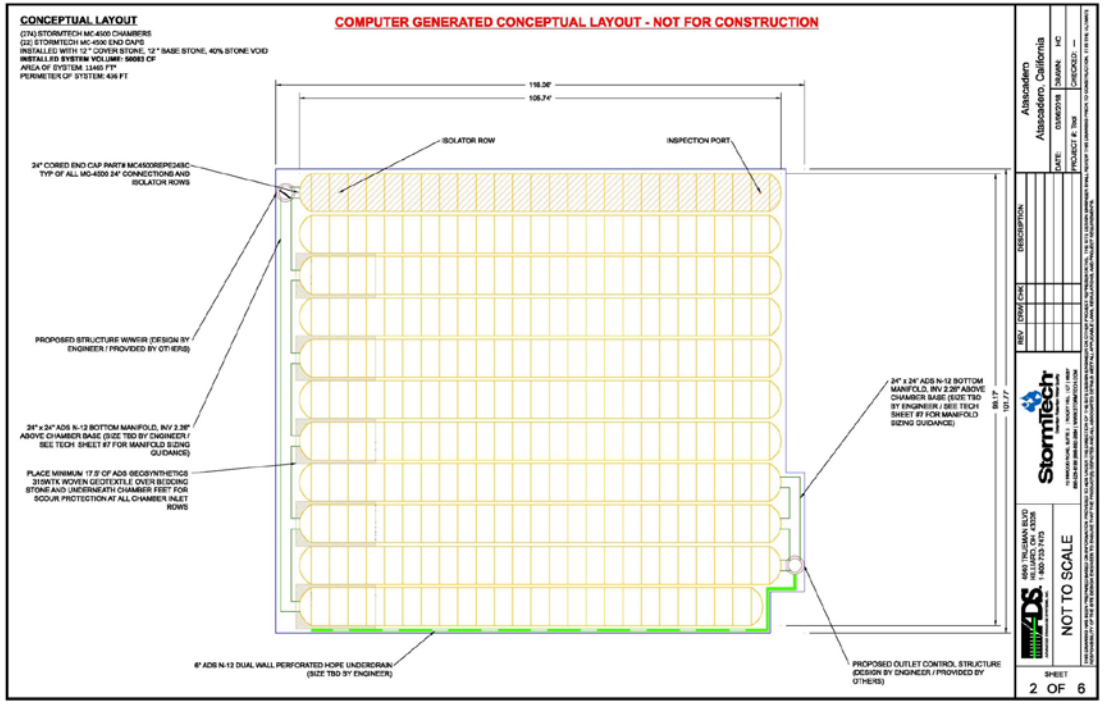
Santa Rosa Creek Enhancement Recharge Basin: Pilot Project

- Designed by NRCS
- Constructed in 2015
- Filled four (4) times during winter storm events = 4 acre-feet (AF) recharged



City of Atascadero

Sunken Gardens Chamber



Getting Involved

Project Timeline

- Public Draft release **September 10, 2018**

- Final Draft Submitted to State Water Resources Control Board **November 30, 2018**

Mechanisms for Involvement

- Today
  - Visit the website - www.slocounty.ca.gov/pw/swrp
  - Join the mailing list
  - Read the deliverables online

Public Comment

- Public Draft Comment Period
  September 10, 2018 – October 10, 2018

- Next Public Meeting:
  September 20, 2018
  SLO County Library Community Room
  995 Palm St. San Luis Obispo, CA

- Sign-up for mailing list for announcements/updates
  www.slocounty.ca.gov/pw/swrp

Thinking Ahead

- Future
  - Seek project proponents
  - Submit projects to SWRP project list

- Contact us
  - Larissa Clarke, Coastal San Luis RCD, (805) 772-4391
  - Sarah Crable, County Public Works, (805) 788-2760