

Public Proposal View

This page allows you to view this application as submitted by the applicant. The application shows the Funding program(s) applied for by the applicant, but does not show whether the proposal is eligible in those Funding program(s). Eligibility information is entered on the Eligibility tab after the proposal has been submitted and screened for eligibility.

Pin No: 36024 - Cottonwood Creek Storm Water Retention Project - REJECTED

[Back to Search Screen](#)

Application Overview

RFP/Survey Title: Prop 1 Storm Water Grant Program (SWGP) - Implementation

Submitting Organization: COUNTY OF TULARE

Submitting Organization

Division:

Project Title: Cottonwood Creek Storm Water Retention Project

Project Description: This low impact/green infrastructure project is the highest priority storm water retention/reclamation project in the County. Truly shovel ready, this project creates more than 30 acres of recharge basins. This project will increase, store and replace the amount of water in the underlying aquifer that has been overdrawn during the drought. Additional water storage increases water for domestic and agriculture use. This project creates new wildlife habitat. This project increases the sustainability of the existing aquifer's water level and enhances the public safety of youth and adult offenders incarcerated in nearby facilities. The project offers enhanced protection for community flood control structures in a severely disadvantaged area of Tulare County.

Water System ID:

District Office:

APPLICANT DETAILS

Applicant Organization: COUNTY OF TULARE

Applicant Organization

Division:

Applicant Address: 5961 S Mooney Blvd , Visalia , CA - 93277

PROJECT LOCATION

Latitude : 36.459167

Longitude: -119.323889

Watershed: Cottonwood Creek

County: Tulare

Responsible Regional 5F Central Valley Fresno Regional Water Board

Water Board:

PROJECT BUDGET

Funds Requested(\$): 1,204,309.00

Local Cost Match(\$): 1,204,310.00

Total Budget(\$): 2,408,619.00

Funding Program

Applied

Amount Recommended by State Water

Prop 1 Storm Water Grant Program (SWGP) - Implementation	Yes	Board	.00
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Project Management Role	First Name	Last Name	Phone	Fax	Email
Project Director: Authorized Representative from Applicant Organization to execute funding agreement	Benjamin	Ruiz	559-624-7000	559-730-2591	bruiz@co.tulare.ca.us
Project Manager: Day to day contact on this project from Applicant Organization	Reed	Schenke	559-624-7000	559-730-2591	rschenke@co.tulare.ca.us

Applicant Information	
Name/Division:	COUNTY OF TULARE
Division:	
Address:	5961 S Mooney Blvd Visalia, CA , 93277

Person Submitting Information	
Submitter Name:	Nancy Woods
Submitter Phone:	559-624-7049
Submitter Fax:	559-730-2591
Submitter Email:	nlwoods@co.tulare.ca.us

Legislative Information	Primary	Additional District(s)
Senate District	18	26,
Assembly District	26	
US Congressional District	22	

Contacts	Name	Phone	Email
Tulare County Resource Management Agency	Benjamin Ruiz	559-624-7000	bruiz@co.tulare.ca.us

Cooperating Entities	Role	Name	Phone	Email
There are no COOPERATING ENTITIES to display.				

Pre Award Attachment Title	Phase	Date & Time Attached
Attachment 01	PHASE1	7/7/2016 8:48:56 AM
Attachment 02	PHASE1	7/7/2016 8:49:29 AM
Attachment 03	PHASE1	7/7/2016 8:50:03 AM
Attachment 04	PHASE1	7/7/2016 8:52:46 AM
Attachment 05	PHASE1	7/7/2016 8:53:04 AM
Attachment 06	PHASE1	7/7/2016 8:54:35 AM
Attachment 07	PHASE1	7/7/2016 8:55:00 AM
Attachment 08	PHASE1	7/7/2016 8:55:28 AM
Attachment 09	PHASE1	7/7/2016 8:55:45 AM
Attachment 11	PHASE1	7/7/2016 8:56:24 AM
Attachment 12	PHASE1	7/7/2016 8:57:04 AM

[Download all PreAward Attachments](#)

Post Award Attachment Title	Phase	Date & Time Attached
No Post Award Attachments Available to Display		

Questionnaire - Phase1

Prop 1 SWGP Implementation Round 1 Proposal Application

Note: A copy of the *General Terms and Conditions of the Grant Agreement* can be found under the Reference Material section at [Proposition 1 SWGP Website](#). (This will open a separate webpage)

B. Background Information

1. ELIGIBILITY REQUIREMENTS

- 1 **Select the applicant's organization type from the drop-down menu. In order to be considered eligible, the applicant must be a public agency, nonprofit organization, public utility, federally recognized Indian tribe, State recognized Indian tribe listed on the Native American Heritage Commission's Tribal Consultation List, mutual water company, or an eligible Groundwater Sustainability Agency (GSA).**

Answer: | Public Agency

- 2 **Is the proposed project included within a Storm Water Resource Plan that addresses the requirements of the Water Code and the Storm Water Resource Plan Guidelines? Is the proposed project in an ASBS compliance plan? Provide a copy of the Plan(s) as Attachment 1 along with the completed Storm Water Resource Plan Self-Certification Checklist provided in the Storm Water Resource Plan Guidelines. If a Storm Water Resource Plan is not provided, please explain the status of the Plan, steps needed to complete the Plan, contact information for the lead entity preparing the Plan, and assurances that the Plan will be completed and submitted along with the completed self-certification checklist within 90 days of the grant award. If the applicant is a small DAC that is exempt from the Water Code requirements for a Storm Water Resource Plan, is the project included and implemented in an adopted IRWMP? Provide documentation in Attachment 1 showing the project is included and implemented in an adopted IRWMP.**

Answer: | SWRP In Progress

Answer: MWH Americas was retained by the County of Tulare on April 4, 2016 to prepare the County of Tulare's Storm Water Resource Plan for the Cottonwood Creek Watershed. This SWRP will be submitted for state approval before December 1, 2016.

The scope and work plan for this SWRP was discussed and reviewed in depth with DWR officials before beginning work on the plan.

The relevant hydrological modeling for proposed projects identified in the Cottonwood Creek SWRP will utilize modern Lidar-based elevation and contour data. The contract and scope of work is attached hereto as Attachment 1. The contact person is Eric S. Clyde, PE, D.WRE, Principal Engineer, 3301 C Street, Suite 1900, Sacramento, CA 95816 Telephone: (916) 418-8256; Cellular: (916) 494-8353; e-mail: eric.clyde@mwhglobal.com; www.mwhglobal.com.

- 3 **Are you an Urban Water Supplier, Agricultural Water Supplier, or local groundwater user? If yes, have you adopted and submitted to Department of Water Resources (DWR) an Urban Water Management Plan, an Agricultural Water Management Plan, or any required Groundwater Management Plan? Please provide a summary of activities, including current status in the box below.**

Answer: |

Answer: The County of Tulare is not an Urban Water Supplier, Agricultural Water Supplier or local groundwater user, however its residents consume groundwater. The project site does not fall within any categories responsive to this requested question.

- 4 **Is the proposed project consistent with the applicable Basin Plan, including any TMDLs, and any applicable NPDES permit or WDRs? For projects that address discharge of storm water or dry weather runoff to an ASBS, is the project consistent with or identified in the applicable ASBS compliance plan? Please explain below.**

Answer: This project is consistent with the applicable Basin Plan, including the TMOLs, however it is not discharging water therefore the other requested information is not applicable.

- 5 **Is the project type consistent with the eligible project types described in the Prop 1 SWGP Guidelines (Eligibility Requirements; Part B)? Please explain.**

Answer: | Rainwater/Storm Water Capture

Answer: The Cottonwood Creek Storm Water Retention Project is specifically designed to capture rainwater and storm water and was included in the adopted Kings Basin Water Authority IRWMP. It is identified in the Cottonwood Creek Watershed SWRP currently being developed and expected to be submitted to the State Water Resources Control Board for approval by December 1, 2016. The effects of climate change are offset by promoting infiltration of stormwater and dry weather runoff. It enhances regional water security by replenishing the underlying aquifer.

1) Enhanced water supply:

This project increases groundwater levels that have diminished during prolonged drought. Improvements will create 30 acres of recharge basins, including a reclaimed sand and gravel pit, and creates 100 acres of overland flooding area to the north of the original channel. The replenished aquifer also increases water availability for both domestic use in the nearby vicinity, as well as for regional agricultural purposes.

Three reclamation areas greatly enhance sustainable water supply:

Reclamation Area #1: A 10-acre area in the "mouth of the channel" will become a deepened basin, thus surcharging areas that will flood north-east and east of the restored Cottonwood Creek channel.

Reclamation Area #2: A 40-acre sand pit is approximately 30' in depth at its deepest point. A control structure serves as the primary reclamation area and allows rain and storm water to gather within the sand pit.

Reclamation Area #3: A 100-acre basin will be created by installing a berm along the western edge. Installation of a control structure east of Road 108 on the western extent of the channel will allow sheet flooding "by design."

The overall project provides significant restoration of the underlying aquifer. The existing and realigned Cottonwood Creek channels create an interwoven, reclaimed flood plain to internally capture and direct local rains and regional storm water.

The overall project also represents nearly one linear mile of storm water retention area in addition to the 130 acres of basins.

2) Flood Protection:

The Cottonwood Creek Watershed typically floods in the project area through overtopping of creek banks. These conditions most recently manifested during the 1997 and 2010 FEMA-declared flood disasters. The improvements will greatly enhance the public safety of youth and adult offenders incarcerated in nearby County facilities, and also protects the neighboring Sequoia Field Airport. The project's three retention areas will also help protect public infrastructure (roads, bridges, culverts) in a severely disadvantaged area of Tulare County.

(3) Environmental benefits: This project creates new habitat by reclaiming a sand and gravel mining pit and restores the historic Cottonwood Creek channel, allowing re-establishment of riparian habitat while avoiding increasing channels in existing wetland areas east and north of the project site.

The Cottonwood Creek streambed will be restored to its natural course that was disrupted by previous land owners in the 1960's. Current streambed vegetation corresponds most closely with Holland's Non-native Grassland, presently dominated by invasive Ripgut Brome, *Bromus diandrus*. Habitat restoration will include replacing non-native species with more desirable native grasses and wildflowers - aiding in multispecies conservation.

Reclamation areas #1 and #3 and the northernmost berm around Reclamation area #2 will surcharge the areas will flood to the north-east and east of the restored Cottonwood Creek channel. This will effectively flood farmlands and known wetlands to the east in order to create a migration corridor to allow land-based vulnerable species to transit to the Stone Corral Reserve located to the south.

Habitat for migratory birds will also be greatly enhanced. Overall water quality in Cottonwood Creek will be enhanced by diluting built up contaminants and reducing debris flow.

6 What percent funding match will be provided? If less than 50% is proposed, explain how the DAC funding category was determined and provide the required attachments (Attachments 10 and 11) and supporting documentation in the application. See Appendix A of Proposition 1 SWGP Guidelines for further details.

Answer: | 50% or more

Answer: Respectfully, Tulare County will pay a 50% match as required for projects with no DAC consideration, but we request a 30% match requirement. The project site is not located within a disadvantaged community, but the project directly benefits the surrounding disadvantaged communities of Yetem, Seville and Monson. When

flooding occurs at Cottonwood, it backs up to contribute to severe flooding in Seville and Yettem. The project location cannot sustain historical floods which wash to the communities causing flooding. The Stone Corral School located in Seville filed a \$250,000 FEMA claim as a result of the 2010 FEMA-Declared flood emergency. Annual median household income for the DACS:

Yettem 29,525 (Census Tract 6)
Seville 33,438 (Census Tract 8)
Monson 35,556 (Census Tract 3.01)
Source: factfinder.census.gov.

The information was downloaded by the 2014 5 year MHI dataset for all Tulare County Census Tract Block Groups.

DAC consideration should be given to this project.

7 Is the project a multi-benefit project that contains a minimum of two benefits listed in the Guidelines Part III, Section G - Storm Water Management Benefits? List the multi-benefits the proposed project addresses. Backup documentation justifying these claims will be required in the Workplan Attachment 2 and quantified in the multi-benefit attachment.

Answer: | Yes

Answer: The Cottonwood Creek Storm Water Retention Project does indeed offer multiple benefits:

- 1) It enhances Water Supply Reliability and makes this supply more sustainable;
- 2) Offers Decreased Flood Risk by reducing runoff volume;
- 3) Promotes Environmental and Habitat Protection and Improvement through habitat and streambed restoration.

The sandy loam soil in the project area allows for maximum groundwater recharge at higher percolation rates. This storm water retention project will greatly enhance the existing aquifer and sustains the Water Supply (increased water supply reliability) by promoting storm water retention in three reclamation basin area so that effective infiltration can occur.

The Valley Floor is a relatively flat surface, prone to flooding during major storms. This particular area has experienced severe flooding that resulted in flood-related federal disaster declarations in 1997 and 2010.

The project is fully compliant with the Environmental Component (environmental and habitat protection and improvement) as this project will create new habitat by allowing the riparian ecosystem to reestablish itself and flourish in the project area. Habitat restoration efforts will include removal of non-native vegetation from the streambed and replacement with native grasses and wildflowers.

This project transitions the Cottonwood Creek back to its natural streambed and original flow, reducing upstream flooding and offering greatly enhanced flood protection to public facilities (including the Juvenile Detention Facility) as well as economically distressed communities. The present manmade streambed alignment includes severely restrictive right angle turns that habitually reduce the flood flows and cause pervasive sheet flooding when stream banks fail and blow out.

The project improves overall water quality by reestablishing natural water drainage, thereby reducing water contamination due to debris and pollutants collected in flooding waters.

8 a) If the applicant or any cooperating entity has received funding from the State Water Board previously, did the applicant or cooperating entity complete the project(s) in accordance with the funding agreement and demonstrate its ability to competently manage the project?

b) Has the applicant or any cooperating entity entered into a contract or grant agreement with the State Water Board: (1) that was terminated; (2) in which funds were withheld by the State Water Board; (3) in which the grantee was notified of a Breach of Agreement; or (4) that has been the subject of an audit in which there were findings regarding management of the project or funds by the applicant or cooperating entity? If so, explain the actions taken to address the problems.

Answer: (a) Yes. The County of Tulare successfully completed funding agreement no. 14-626-550 (the delivery of an interim emergency supply of water for domestic purposes to the community of Seville). The County of Tulare also successfully expended the initial allocation of \$500,000 from funding agreement no. 14-627-550 (providing bottled water for Tulare County). The County has been awarded 2 amendments to this funding agreement for an

additional \$2,705,000. The County also has had multiple State Water Board well drilling agreements that have been successfully completed.

Documentation is available upon request of more than a half dozen completed or ongoing grant-funded projects financed by the State Water Board (these projects were all completed or initiated within the last 24 months).

(b) No.

9 By initialing the box below, the Project Director is certifying that:

a) The applicant(s) is/are an eligible entity;

b) The project is listed and implemented in an adopted IRWMP and Plan, or equivalent, that has been submitted to your local IRWM group OR that a Plan(s) will be completed within 90 days of grant award;

c) He/she is aware that any attachment exceeding the page limit listed above will not be reviewed beyond the page limit (e.g., a workplan exceeding 20 pages maximum will be reviewed up to Page 20 only; any subsequent pages will be eliminated from the review process). Maps and figures are not including in the page limit.;

d) He/she is aware that, once the proposal has been submitted in FFAST, any privacy rights as well as other confidentiality protections offered by law with respect to the application package and project location are waived;

e) The proposed project will contribute to sustained, long-term water benefits for a period of 20 years; and

f) He/she has read and agrees to the General Terms and Conditions of the draft Grant Agreement. If the Applicant and the State Water Board does not agree upon the terms and conditions, then a grant award may be denied.

(All applicants are required to check the box and initial next to the statement for their application to be reviewed. All applications missing the Certification will be deemed incomplete and ineligible.)

Answer: I Yes

Answer: Interim Tulare County Resource Management Agency Director Benjamin Ruiz, Jr. certifies the above.

C. Implementation Proposal Questions

2. Workplan

- 10 In the space below, please describe whether you are submitting multiple plans for a functionally equivalent Storm Water Resource Plan or whether the project is included in a completed Storm Water Resource Plan that addresses requirements in the Water Code and is in accordance with the Storm Water Resource Plan Guidelines. Include the Plan(s) as Attachment 1 for review. Discuss how the project is identified and prioritized in the Plan(s). Describe whether the proposed project is a high-priority project or addresses a critical programmatic need identified in a Storm Water Resource Plan. Provide specific page references to the Plan(s) for easy reference. If the Storm Water Resource Plan, or functionally equivalent plan(s), is not completed, please explain how the project will be identified and prioritized in the Plan(s). For those who believe their project is eligible for the ASBS or Clean Beaches Program funds, please explain how the project is eligible. Select all that may apply:**

Answer: I Proposition 1 Funding

Answer: Tulare County is currently developing a SWRP for the Cottonwood Creek Watershed, which includes the proposed project site and will include extensive study of the efficacy of this proposed project, among other identified projects.

MWH Americas was retained by the County of Tulare on April 4, 2016 to prepare the County of Tulare's Storm Water Resource Plan for the Cottonwood Creek Watershed. This SWRP will be submitted for state approval before December 1, 2016.

The scope and work plan for this SWRP was discussed and reviewed in depth with DWR officials before beginning work on the plan.

The relevant hydrological modeling for proposed projects identified in the Cottonwood Creek SWRP will utilize modern Lidar-based elevation and contour data. The contract and scope of work is attached hereto as Attachment 1. The contact person is Eric S. Clyde, PE, D.WRE, Principal Engineer, 3301 C Street, Suite 1900, Sacramento, CA 95816 Telephone: (916) 418-8256; Cellular: (916) 494-8353; e-mail: eric.clyde@mwhglobal.com; www.mwhglobal.com.

- 11 **Prepare a workplan (Attachment 2, 20 pages maximum, not including maps and figures) that describes the project in detail and how it meets the eligible project types outlined in Section III, B of the Eligibility Requirements. Describe the tasks for the project with enough detail and completeness that it is clear the project can be implemented. The workplan should include, but is not limited to:**

Question 11 Part 1:

- a) **Goals and Objectives:** a brief description of how the project protects or improves water quality, helps water infrastructure systems adapt to climate change, provides incentives for water agencies throughout each watershed to collaborate in managing the region's water resources and setting regional priorities for water infrastructure, improves regional water self-reliance, and provides multiple benefits;
- b) **Purpose and Need:** a description of the long-term water quality of the storm water or dry weather runoff and the known sources of storm water contamination; the approximate quantity of storm water flow to be captured by the completed project; the water supply offset as a result of the overall project (if applicable); and a description of the other benefits expected from the project;
- c) **Site Investigation:** discuss research completed to select the site that may include: GeoTracker and EnviroStor database research, soils reports, depth to groundwater, historical aerial photo research, and onsite geotechnical and environmental investigations;
- d) **Sustainability:** discuss how the project supports sustained, long-term water quality improvement and the other benefits associated with the project;

Question 11 Part 2:

- e) **Regional Map:** a figure with a discussion of the project location including the current site conditions and land use identification of the applicable IRWM group boundaries, and identification of any Areas of Special Biological Significance;
- f) **Project Map:** maps depicting the project location and storm water capture area and size of area to be treated;
- g) **Impaired Waters:** a description of the impaired waters, their beneficial uses, and the water quality problems that interfere with the beneficial uses of those waters; and
- h) **Project Timing and Phasing:** a discussion of whether this is a phased project or part of a larger project effort.

- 12 **Provide in the workplan (Attachment 2) a section called Proposed Work Tasks that includes, but is not limited to:**

Question 12 Part 1:

- a) **Work Tasks:** a detailed description of the work tasks with adequate detail and completeness to clarify the project can be implemented;
- b) **Procedures:** a discussion on coordination with cooperating entities, agencies, and/or organizations;
- c) **Implementation:** a detailed description of the proposed approach, including a thorough discussion of the practices the project is proposing to use to solve the problem, and the technical basis for the selected approach;

d) **Existing Data and Studies:** the necessary scientific and technical information to support the feasibility of the project;

e) **Stakeholder Involvement:** a discussion on how stakeholders were involved in the Storm Water Resource Plan(s) development and prioritization of projects and how they will be involved in the implementation of the project(s);

Question 12 Part 2:

f) **Deliverables:** a list of deliverables and reporting for each tasks (i.e. for Administration - quarterly invoices, draft final report, final report, final project summary, final project certification and inspection; for Construction - Notice to Proceed, construction progress reports with photos of progress)

g) **Permitting and Environmental Review:** a list of required permits, environmental documentation, and landowner/access agreements required to implement the project, including a description of any water rights issues that need to be addressed

h) **Plans and Specifications;** the status of the plans and specifications and a copy of the current plan set or engineer's concept drawings;

i) **Data Management:** a discussion of the proposed data collection and monitoring, how that data will be managed, whether an Monitoring Plan and QAPP are required, and whether the data will be submitted to CEDEN and/or GAMA; and

j) **Education and Outreach:** a description of the type of education and community outreach proposed for the project.

13 **Describe in the box below how the applicant demonstrates the experience, knowledge, and skills necessary to successfully complete the project. The applicant may provide examples of past successes in completing previous grant funded projects or other relevant supporting information. Resumes for each person listed on the technical and planning team is required (Attachment 3).**

Answer: The Tulare County Resource Management Agency (RMA) is well versed in the conceptualization, design and construction of public works projects. In addition to flood control projects, the County has one of the most aggressive bridge building projects west of the Mississippi. We currently have 14 bridge projects either in design or construction. This project is primarily composed of earthwork. In the last 9 months the County completed a \$750,000 flood control earthwork project that is located less than one mile from the proposed project site. In the past year RMA has completed more than \$10 million in road construction projects, \$5.5 million in bridge construction/reconstruction, and also completed extensive storm water retention repairs to existing facilities.

Construction projects include 19 community projects comprising Caltrans funded Complete Street projects, pedestrian and traffic safety improvements, sidewalk improvements, and Safe Routes to School improvements.

For example, in the last three months the County has completed the Caltrans funded \$240,000 Terra Bella Safe Routes to School project, and the \$260,000 Tooleville Safe Routes to School project. The County recently completed a \$1.2 million federally funded road construction project at Reservation Road in Porterville.

The County is currently under contract to construct an \$11 million road widening project on Avenue 280. The County anticipates awarding a \$12.3 million construction project to widen Avenue 416 within the next thirty days. This does not include \$15 million worth of local roads reconstruction to be completed this calendar year by the High Speed Rail Authority under Tulare County's supervision and construction management.

Documentation for all of the projects mentioned above can be provided upon request.

3. Budget

14 **Provide summary and detailed budget tables (Attachment 4) for the proposal. Be sure that the tasks listed in the budget are consistent with the workplan and schedule, and provide necessary supporting documentation to justify the costs shown. Be sure that the tasks and subtasks in the budget summary and the detailed budget tables match.**

15 **Provide detailed written explanation (Attachment 4) that includes, but is not limited to:**

- a) A description to support each budget category;
- b) An explanation of how the costs were estimated;
- c) A discussion on the project capital and O&M costs, and how long the project will remain operational before it requires replacement;
- d) A description of the ongoing support and financing to continue the O&M for the useful life of the project (20 years post construction);
- e) A discussion on how the project is economically feasible, such as the cost per gallon treated/captured, and/or another measure of economic benefit such as the Triple Bottom Line approach, and how the project data will be used to demonstrate the economic benefit of the implemented approach;
- f) An explanation of the sources of matching funds (does the project leverage any existing or potential funds from local and other sources), how much and from what sources the matching funds are provided, and how secure each funding source is; and
- g) A discussion on whether a reduction in matching funds will be requested, the amount of reduction of match, the justification for the reduction in match, and the percent of grant funds that will solely benefit a DAC/EDA.

4. SCHEDULE

- 16 Provide a Gantt Chart, or other similar type of chart, that provides the start and end dates of each category, task, and subtask (Attachment 5). Be sure that the categories, tasks, and subtasks are consistent with the budget and workplan.
- 17 Provide a detailed written explanation (Attachment 5) that includes, but is not limited to:
 - a) A discussion on how the timeline is consistent with the workplan and budget;
 - b) A description of the possible obstacles to completing the tasks or subtasks;
 - c) A discussion relating to the elements of the project, their current status, and how the tasks and subtasks will be completed in a timely manner; and
 - d) A description on the status of the environmental documents required for the project, what permits are required to complete the project and status of obtaining those permits, site access issues, and the status of obtaining access agreements or land purchases (if needed).

5. MONITORING, ASSESSMENT, AND PERFORMANCE MEASURES

- 18 Include a Project Assessment and Evaluation Plan (PAEP) Table (Attachment 7) that:
 - a) Identifies targets appropriate for the benefits claimed, with emphasis on the benefits that are obtainable using the requested grant funds;
 - b) Discusses the proposed measurement methods needed to evaluate project performance and progress toward meeting the targets;
 - c) Describes any monitoring activities proposed, parameters and frequency of monitoring, and how the data will be integrated into CEDEN; and
 - d) Describes whether the proposal leverages existing monitoring efforts.

6. MULTIPLE BENEFITS

- 19 Please select two to three benefits (as listed in Section III, G Storm Water Management Benefits) that the proposed project will address. Choose one primary benefit (the main benefit the project will accomplish) and one or two secondary benefits. Any of the benefits listed in the Guidelines may be selected as either primary or secondary benefits. Provide a quantified estimate of the primary benefit and each quantifiable secondary benefit expected, with sufficient detail and backup documentation to support the estimate. Attach a table that explains the annual quantifiable benefit(s) over the

useful life of the project and a cost effectiveness table for each benefit claimed (Attachment 8). Provide a narrative description of any non-quantifiable benefit claimed.

Water Supply:

1. Increased water supply reliability
2. Conjunctive use
3. Increased water conservation

Water Quality:

4. Increased filtration and/or treatment of runoff
5. Nonpoint source pollution control
6. Reestablished natural water drainage and treatment

Flood Management:

7. Decreased flood risk by reducing runoff rate and/or volume
8. Reduced sanitary sewer overflows

Environmental:

9. Environmental and habitat protection and improvement
10. Increased urban green space
11. Reduced energy use, greenhouse gas emissions, or provides a carbon sink
12. Reestablishment of the natural hydrograph
13. Water temperature improvements

Community:

14. Employment opportunities provided
15. Public education
16. Community involvement
17. Enhanced and/or created recreational and public use areas

Question 19 cont. **Primary Benefit**. Please select one. *If the primary benefit is not listed in the dropdown menu below please select "Not here" and use the next dropdown menu.

Answer: | 1

Question 19 cont. **Primary Benefit** Please select below.

Answer: | Selected above

Question 19 cont. **Secondary Benefits** Please select one or two secondary benefits.

Answer: | 7 9

Question 19 cont. **Secondary Benefits**

Answer: | Selected above

7. DAC/EDA BENEFITS

20 Is the applicant a DAC/EDA or is a DAC/EDA directly involved in the planning of the proposed project? Does the project benefit and is constructed within a DAC/EDA? To obtain points for benefiting a DAC/EDA, please provide Attachment 11 discussing, at a minimum, the following:

- a) The demographics of the DAC or EDA communities in the project area;
- b) The methodology used in determining the total population in the project area and census geographies used and how they were applied;
- c) How land-use in the project area impacts the DAC or EDA;
- d) Efforts made to identify and address DAC or EDA needs and issues within the project area and how the project will address those needs and issues;

e) The direct benefits to the DAC or EDA; and

f) Any negative impact the proposed project may have on the DAC or EDA.

Answer: I Not Applicable

Answer: While the applicant is not a DAC/EDA or a DAC/EDA is not directly involved in the planning of this proposed project, a DAC is directly benefitted by this project. The surrounding disadvantaged communities of Yettem, Seville and Monson are negatively impacted when rain events arise and flooding occurs. The project location cannot sustain historical floods which washes to the communities causing flood. When flooding occurs at Cottonwood, it backs up to contribute to severe flooding in Seville and Yettem. The project location cannot sustain historical floods which wash to the communities causing flooding. The Stone Corral School located in Seville filed a \$250,000 FEMA claim as a result of the 2010 FEMA-Declared flood emergency. Annual median household income for the three communities are as follows:

Yettem 29,525 (Census Tract 6)
Seville 33,438 (Census Tract 8)
Monson 35,556 (Census Tract 3.01)
Source: factfinder.census.gov.

The information was downloaded by the 2014 5 year MHI dataset for all Tulare County Census Tract Block Groups.

DAC consideration should be given to this project.

Performance Measure Classification Data

Certification And Submission Statement

Please read before signing and submitting application.

I certify under penalty of perjury:

- The information entered on behalf of the Applicant Organization is true and complete to the best of my knowledge;
- I am an employee of or a consultant for the Applicant Organization and I am authorized to submit the application/survey on behalf of the Applicant Organization; and
- I understand that any false, incomplete, or incorrect statements made may result in the disqualification of this application/survey.

By signing this application/survey, I waive any and all rights to privacy and confidentiality of the proposal on behalf of the Applicant to the extent provided by law.

Submission By: Storm Water Grants

Submitter Initials: nlw

Submission Date: 7/7/2016 10:44:04 AM