

**PSP Section B.15.a**  
**2004 Water Use Efficiency Proposal Solicitation Package**

**APPENDIX A: Project Information Form**

**Applying for:**

Urban

Agricultural

1. **(Section A)** Urban or  
Agricultural Water Use  
Efficiency Implementation  
Project

(a) implementation of Urban Best Management Practice,  
# \_\_\_\_\_

(b) implementation of Agricultural Efficient Water  
Management Practice, # \_\_\_\_\_

(c) implementation of other projects to meet California  
Bay-Delta Program objectives, Targeted Benefit # or  
Quantifiable Objective #, if applicable \_\_\_\_\_

2. **(Section B)** Urban or Agricultural  
Research and Development;  
Feasibility Studies, Pilot, or  
Demonstration Projects; Training,  
Education or Public Information;  
Technical Assistance

(d) **Specify other:** \_\_\_\_\_

(e) research and development, feasibility studies, pilot, or  
demonstration projects

(f) training, education or public information programs with  
statewide application

(g) technical assistance

(h) other

3. **Principal applicant**  
**(Organization or affiliation):**

**Stockton East Water District**

4. **Project Title:**

**Water Awareness Exhibit Refurbishment for the  
Children's Museum of Stockton**

5. **Person authorized to sign and submit  
proposal and contract:**

**Name, title**

**Kevin M. Kauffman, PE**

**Mailing address**

**General Manager**

**P.O. Box 5157**

**Stockton, CA 95205-0157**

**Telephone**

**(209) 948-0333**

**Fax.**

**(209) 948-0423**

**E-mail**

**kkauffman@sewd.net**

6. Contact person (if different):

Name, title.	<b>Kristin Coon</b>
Mailing address.	<b>Water Conservation Coordinator</b>
	<b>P.O. Box 5157</b>
	<b>Stockton, CA. 95205-0157</b>
Telephone	<b>(209) 444-3126</b>
Fax.	
E-mail	<b>(209) 948-4219</b>
	<b>kcoon@sewd.net</b>

7. Grant funds requested (dollar amount): **\$54,000**  
*(from Table C-1, column VI)*

8. Applicant funds pledged (dollar amount): **\$6,000**

9. Total project costs (dollar amount): **\$60,000**  
*(from Table C-1, column IV, row n )*

10. Percent of State share requested (%): **90%**  
*(from Table C-1)*

11. Percent of local share as match (%): **10%**  
*(from Table C-1)*

12. Is your project locally cost effective?  
*Locally cost effective means that the benefits to an entity (in dollar terms) of implementing a program exceed the costs of that program within the boundaries of that entity.*  
*(If yes, provide information that the project in addition to Bay-Delta benefit meets one of the following conditions: broad transferable benefits, overcome implementation barriers, or accelerate implementation.)*

(a) yes  
 (b) no

11. Is your project required by regulation, law or contract?  
**If no, your project is eligible.**  
**If yes, your project may be eligible only if there will be accelerated implementation to fulfill a future requirement and is not currently required.**  
*Provide a description of the regulation, law or contract and an explanation of why the project is not currently required.*

(a) yes  
 (b) no

12. Duration of project (month/year to month/year): **July 2005 to February 2006**

13. State Assembly District where the project is to be conducted: **District 17**

14. State Senate District where the project is to be conducted: **District 5**

15. Congressional district(s) where the project is to be conducted: Districts 11 & 18

16. County where the project is to be conducted: San Joaquin

17. Location of project (longitude and latitude) 37° 54' N 121° 15' W

18. How many service connections in your service area (urban)?  
Wholesale to 3 Urban Contractors with >80,000 connections

19. How many acre-feet of water per year does your agency serve?  
Surface Water: 70,000 AF  
Groundwater: 75,000 AF  
Total: 145,000 AF

20. Type of applicant (select one):
- (a) City
  - (b) County
  - (c) City and County
  - (d) Joint Powers Authority
  - (e) Public Water District
  - (f) Tribe
  - (g) Non Profit Organization
  - (h) University, College
  - (i) State Agency
  - (j) Federal Agency
  - (k) Other
    - (i) Investor-Owned Utility
    - (ii) Incorporated Mutual Water Co.
    - (iii) Specify \_\_\_\_\_

21. Is applicant a disadvantaged community? If 'yes' include annual median household income. (Provide supporting documentation.)
- (a) yes, \$35,453 median household income (Census 2000)
  - (b) no

**PSP Section B.15.b**  
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**APPENDIX B: Signature Page**

By signing below, the official declares the following:

The truthfulness of all representations in the proposal;

The individual signing the form has the legal authority to submit the proposal on behalf of the applicant;

There is no pending litigation that may impact the financial condition of the applicant or its ability to complete the proposed project;

The individual signing the form read and understood the conflict of interest and confidentiality section and waives any and all rights to privacy and confidentiality of the proposal on behalf of the applicant;

The applicant will comply with all terms and conditions identified in this PSP if selected for funding; and

The applicant has legal authority to enter into a contract with the State.

\_\_\_\_\_  
Signature

Kevin M. Kauffman, PE  
General Manager

\_\_\_\_\_  
Date

**PSP SECTION B.15.c**

**STATEMENT OF WORK, SECTION 1: RELEVANCE & IMPORTANCE**

**Goals and Objectives of the Project**

The Goals and Objectives of the Children’s Museum of Stockton Water Awareness Exhibit Refurbishment Project (Project) are as follows:

**Goal #1:** Raise water awareness and promote water conservation by establishing a far-reaching and effective means of providing water education and public outreach for children in the Stockton metropolitan area and surrounding communities.

- Provide fun, age-appropriate, interactive activities for children that will promote an understanding of and appreciation for the water resources in Stockton, the Bay-Delta, the State of California, the nation, and the world.
- Provide a venue for the activities that is easily accessible, centrally located and well attended in order to educate as many children as possible.
- Demonstrate common household water uses in familiar surroundings to encourage children to recognize and implement water saving activities in their daily lives.
- Use innovative, state-of-the-art technology to stimulate learning and hold attention.

**Goal #2:** Obtain adequate funding to update and refurbish the existing Stockton Area Water Suppliers’ (SAWS) water awareness exhibit at the Children’s Museum of Stockton (Figure 2).

- Use as much of the existing structure as possible to provide the maximum benefit for cost. Direct the majority of the Project’s funding and resources toward educational materials rather than new construction designs and materials.

**Relation to Critical Local, Regional, Bay-Delta, State and Federal Water Issues**

Because the Project promotes early and effective methods of water education and public outreach, its implementation will address the critical water awareness issues that affect every level of water management. As educators and community leaders, it is imperative that we supply our children with the knowledge that will help them understand the importance of using our water resources wisely today to assure availability into the future.

**Contribution to and Support of California Bay-Delta Program Goals**

The Project supports the California Bay-Delta Program goal of “assuring public involvement and outreach” (<http://calwater.ca.gov/CBDA/NewCBDA.shtml>) by providing a high profile venue for effective elementary water education in the growing metropolitan area of Stockton, California. Because today’s children are tomorrow’s leaders, it is important to make high-quality water education available to them at an early age. Ideally, the successful implementation of this project will populate our future communities with citizens who possess a deep understanding of the importance of our water resources. A solid foundation of water knowledge instilled in our children today will serve them well in their roles as the leaders and citizens of tomorrow, ultimately assuring the stability and preservation of our water resources, both locally and nationally, for generations to come.

**Consistency with Local or Regional Water Resource Management Plans**

This project is consistent with the outreach Demand Management Measures (DMM 7 & 8) set forth in the Stockton East Water District (SEWD) Urban Water Management Plan (UWMP). SEWD's UWMP was last updated in 2000 and will be updated again, as required, in 2005.

**Contribution to the Implementation of UWMP Water Demand Management Activities**

The project contributes to the implementation of SEWD's UWMP Demand Management Measure 7, Public Information Programs, and Demand Management Measure 8, School Education Programs. SEWD, along with San Joaquin County, the City of Stockton and the California Water Service Company, is a member of the Stockton Area Water Suppliers (SAWS) alliance (See Statement of Work, Section 1, Background Information). The SAWS group is active in providing public outreach information to the community in the form of treatment plant tours, newsletters/brochures, participation in public events, and implementation of water conservation/awareness programs in public and private schools in the Stockton metropolitan area. The existing water awareness exhibit in the Children's Museum of Stockton is part of this ongoing and earnest community outreach effort, and the refurbishment of the exhibit will effectively increase the profile, scope, and impact of SEWD's implementation of Demand Management Measures 7 and 8.

**PSP SECTION B.15.d**

**STATEMENT OF WORK, SECTION 2: TECHNICAL/SCIENTIFIC MERIT**

**Methods, Procedures, Equipment, and Facilities**

**Background Information**

*Stockton East Water District*

Formed in 1948 as a Water Conservation District, the Stockton East Water District (SEWD) is an urban and agricultural water provider located in Stockton, California (Figure 1). SEWD manages 145,000 acre-feet of water annually in northeastern San Joaquin County, wholesaling 42,000 acre-feet of treated surface water for drinking purposes through three urban service connections in the Stockton metropolitan area, and retailing 30,000 acre-feet of raw agricultural water to local growers. SEWD's three urban water connections serve a population of more than 290,000 people through three retail service providers: San Joaquin County, the City of Stockton, and the California Water Service Company.

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*The Stockton Area Water Suppliers*

In the early 1980s, SEWD and its retail service providers formed the Stockton Area Water Suppliers (SAWS) alliance. The purpose of SAWS is reflected in its mission statement:

*The SAWS alliance is an association of retailers and wholesalers dedicated to communication and mutual assistance regarding all issues affecting water supply and distribution.*

As such, SAWS is active in providing water awareness and conservation information to the communities it serves, offering a variety of educational and informational services. One component of the SAWS public outreach effort is the water awareness exhibit at the Children's Museum of Stockton.

*The SAWS Water Awareness Exhibit in the Children's Museum of Stockton*

For ten years, SEWD, in cooperation with SAWS, has maintained a water awareness exhibit in the Children's Museum of Stockton (Museum) (Figure 2) known as the "Sally-Save-Water© House" (Figure 3). The Children's Museum of Stockton is operated by the City of Stockton's Parks and Recreation Department and staffed by city employees and community volunteers. Centrally located in the rapidly developing waterfront area of downtown Stockton (Figure 1), the Museum is a well-known and popular destination for school field trips, organized children's groups, birthday parties, and private citizens. In 2003, the Museum attracted over 55,000 visitors from eleven Central and Northern California counties. The exhibits in the Museum are designed to entertain and educate children from five to eleven years of age.

The original structure for the existing SAWS exhibit in the Children's Museum is a representation of a house that was obtained by SEWD from the Department of Water Resources in 1994. At that time, SEWD commissioned Diana Lowrey, creator of the award-winning proprietary 1950's character, Sally-Save-Water©, to refurbish the house and supervise its placement in the Museum. The current exhibit measures 9' x 16' and is situated

in a central location inside the Museum (Figure 3). While the exhibit was once attractive, it is now outdated and well worn. The inside of the house features a non functional bathroom sink/vanity, an artist's rendering of a toilet, refrigerator and kitchen sink, a full length mirror, and a now dark television screen behind a foggy Plexiglas barrier that once played the Sally-Save-Water© *Save Every Drop* video. The 4' x 9' side yard is carpeted with AstroTurf and decorated with a few potted plants, a hose bib and a small mural of trees and bushes. Another area features a mural of mountains and a car. The exhibit has five push-button speakers with recordings of Sally-Save-Water's© suggestions for water conservation. An artist's rendering of the Sally-Save-Water© character appears four times in the exhibit, and her name and voice recordings are used throughout.

The Sally-Save-Water© House in its current state holds little interest for children visiting the Museum; other exhibits, which feature interactive games and hands-on activities, are more appealing and contemporary. Children entering the Sally-Save-Water© House often try the non-functional sink faucet, then push all the speaker buttons at once and move on to the next exhibit. It is clear that SEWD's water awareness message would be more effective if the exhibit were refurbished and updated.

#### ***SEWD's New Water Education Program Strategy***

From 1993 to early 2004, SEWD used Ms. Lowrey's Sally-Save-Water© program for Kindergarten through third grade in-class water awareness presentations and public outreach. In late 2004, SEWD redesigned its school programs to conform to the California Content Standards, thereby providing a more scientific approach to water education. SEWD's new programs use the non-proprietary curriculum and materials available through the California Department of Water Resources (DWR), Project Wet, The Water Education Foundation, and DWR's Water Education Committee. In 2005, SEWD will expand its in-class presentation program to grades four through six, and in 2006, middle and high school programs will be introduced. In keeping with this migration to a more scientific approach to water education, SEWD has developed a plan to refurbish the SAWS water awareness exhibit in the Children's Museum of Stockton. The proposed exhibit will feature interactive and exciting activities that provide water education without proprietary entanglements.

#### ***Achieving Project Goals and Objectives***

SEWD has prepared this grant application in response to the Proposition 50 Office of Water Use Efficiency Proposal Solicitation Package (PSP) Part B in an effort to obtain funding to refurbish and upgrade the existing SAWS water education exhibit in the Children's Museum of Stockton. Funding will be used to refurbish the existing structure, rather than replace it, thereby providing the maximum benefit for the least cost. Avoiding basic construction costs will allow SEWD to channel resources directly into the educational components of the exhibit. This will achieve project objectives by focusing on creating an effective, far-reaching means of providing water education to Stockton, the surrounding communities, and the communities of the Bay-Delta.

#### ***Readiness to Proceed***

The Project will begin by dismantling the existing structure (Figure 3) and relocating it next to the City of Stockton's new Delta Region Exhibit in the Children's Museum (Figure 4).

Placing these two water related exhibits together will serve to heighten the impact of the Museum's water education experience for visitors. The Delta Region Exhibit is currently under construction, with an expected completion date of summer 2005. SEWD will be ready to proceed with the final design of the Project as soon as funding is secured, and construction will begin when the Delta Region Exhibit is complete, no later than fall 2005.

**TASK LIST**  
**SEWD's Water Awareness Refurbishment for the Children's Museum of Stockton**

<b>Task No</b>	<b>Task Name</b>	<b>Begin</b>	<b>End</b>	<b>Materials</b>	<b>Deliverables</b>	<b>Cost</b>
<b>1.0</b>	<b>Final Design</b>	<b>7/1/05</b>	<b>9/1/05</b>	<b>N/A</b>	<b>Final Design Documents</b>	<b>\$ 6,000.00</b>
1.1	Conveyance System	7/1/05	9/1/05			
1.2	Xeriscape/Yard	7/1/05	9/1/05			
1.3	Fixtures	7/1/05	9/1/05			
1.4	Video System & Software Application	7/1/05	9/1/05			
1.5	Mural	7/1/05	9/1/05			
1.6	Exterior Appearance	7/1/05	9/1/05			
<b>2.0</b>	<b>Disassemble Existing Exhibit</b>	<b>9/1/05</b>	<b>9/15/05</b>	<b>N/A</b>	<b>Disassembled Exhibit</b>	<b>\$ 1,500.00</b>
<b>3.0</b>	<b>Reassemble Basic Structure in New Location</b>	<b>9/15/05</b>	<b>9/30/05</b>	<b>N/A</b>	<b>Reassembled Basic Structure</b>	<b>\$ 1,500.00</b>
<b>4.0</b>	<b>Yard &amp; Garden: Labor &amp; Materials</b>	<b>10/3/05</b>	<b>10/31/05</b>	<b>See 4.1 - 4.5</b>	<b>Completed Yard &amp; Garden Components</b>	<b>\$ 6,000.00</b>
4.1	Meter	10/3/05	10/7/05	Meter & Components		
4.2	Drip Irrigation Representation	10/3/05	10/7/05	Pump, Tubing, Valves		
4.3	Xeriscape Garden	10/10/05	10/31/05	Silk plants, garden accessories		
4.4	Pet & Wildlife Component	10/17/05	10/21/05	Animal representations, accessories		
4.5	Speaker upgrade	10/31/05	10/31/05	Recording device, accessories		

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Section B.15d: Statement of Work, Section 2: Scientific & Technical Merit (Project Task List)

<b>5.0</b>	<b>Conveyance System: Labor &amp; Materials</b>	<b>10/1/05</b>	<b>11/30/05</b>	<b>Pipe, Pumps, Valves</b>	<b>Completed Conveyance System</b>	<b>\$10,000.00</b>
	5.1 Speaker upgrade	11/30/05	11/30/05	Recording device, accessories		
<b>6.0</b>	<b>Interior Water Components: Labor &amp; Materials</b>	<b>11/1/05</b>	<b>11/30/05</b>	<b>See 6.1 - 6.4</b>	<b>Completed Interior Water Component Systems</b>	<b>\$ 6,000.00</b>
	6.1 Sink System	11/7/05	11/11/05	Sink, Pipe, Tank Pumps, Valves		
	6.2 Toilet System	11/14/05	11/18/05	Toilet, Pipe, Tank Pumps, Valves		
	6.3 Shower System	11/21/05	11/30/05	Shower, Pipe, Reservoirs, Tank, Pumps, Valves		
	6.4 Speaker upgrade	11/30/05	11/30/05	Recording device, accessories		
<b>7.0</b>	<b>Refrigerator: Labor &amp; Materials</b>	<b>11/1/05</b>	<b>11/30/05</b>	<b>Refrigerator (used), food, labeling materials &amp; equipment</b>	<b>Completed Refrigerator Component &amp; Contents</b>	<b>\$ 2,000.00</b>
	7.1 Speaker upgrade	11/30/05	11/30/05	Recording device		
<b>8.0</b>	<b>Mural Painting</b>	<b>11/1/05</b>	<b>1/15/06</b>		<b>Completed Mural</b>	<b>\$ 5,000.00</b>
	8.1 Speaker upgrade	1/30/06	1/15/06	Recording device		
<b>9.0</b>	<b>Video Kiosk &amp; Software: Equipment &amp; Installation</b>	<b>1/15/06</b>	<b>1/15/06</b>	<b>Kiosk, software</b>	<b>Installation of Kiosk, Implementation of Software</b>	<b>\$10,000.00</b>
<b>10.0</b>	<b>House Exterior: Labor &amp; Materials</b>	<b>12/1/05</b>	<b>1/15/06</b>	<b>See 10.1 - 10.3</b>	<b>Completed House Exterior &amp; Greeting</b>	<b>\$ 2,000.00</b>
	10.1 Painting/Artwork	12/1/05	1/15/06	Paint		

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*Section B.15d: Statement of Work, Section 2: Scientific & Technical Merit (Project Task List)*

	10.2 Banner/Sign	1/15/06	1/30/06 Banner/Sign		
	10.3 Speaker upgrade	1/15/06	1/15/06 Recording device		
<b>11.0</b>	<b>Testing</b>	<b>10/3/05</b>	<b>1/30/06</b>	<b>Test Results</b>	
<b>12.0</b>	<b>Completion/Ribbon Cutting</b>	<b>2/1/06</b>	<b>2/1/06</b>	<b>Ceremony</b>	
<b>13.0</b>	<b>Meetings</b>	<b>7/1/05</b>	<b>2/1/06</b>	<b>Meetings</b>	<b>\$ 2,000.00</b>
<b>14.0</b>	<b>Reporting &amp; Administration</b>	<b>7/1/05</b>	<b>2/1/07</b>	<b>Completion of Reports &amp; Admin Tasks</b>	<b>\$ 2,545.00</b>
	<b>Contingencies</b>				<b>\$ 5,455.00</b>
<b>Total Project Cost:</b>					<b>\$60,000.00</b>

### PROJECT SCHEDULE Water Awareness Exhibit Refurbishment for the Children's Museum of Stockton

Task No.	Task Description	2005						2006												2007	2008	2009	2010	2011		
		July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	M	A	M	J	J	A	S	O	N	D							
Task 1.0	Final Design	→	→																							
Task 2.0	Disassemble Existing Exhibit			→																						
Task 3.0	Reassemble Basic Structure, New Location			→																						
Task 4.0	Yard and Garden				→	→																				
Task 5.0	Conveyance System				→	→																				
Task 6.0	Interior Water Components					→																				
Task 7.0	Refrigerator					→																				
Task 8.0	Mural					→	→	→																		
Task 9.0	Video Kiosk & Software							→																		
Task 10.0	House Exterior						→	→																		
Tasks 11 - 14	Testing, Ribbon Cutting, Reporting & Admin	→	→	→	→	→	→	→	→																	
	Five Year Monitoring/Evaluation Reporting																									→

Project Period

Task Duration

## **Water Awareness Exhibit Refurbishment for the Children's Museum of Stockton**

### **PROJECT PLAN**

The Project will use the existing structure to house a variety of new and innovative displays and designs that will create an interactive educational experience for Museum visitors. A floor plan is provided as Figure 4, and a three-dimensional representation is provided as Figure 5. The Project Plan includes the following components:

#### **Task 1.0: Final Design**

The final design of the exhibit will commence when funding is secured, and will be prepared by SEWD's Conveyance Engineer, Andres Lozano. Project construction will begin when the Delta Region Exhibit construction is complete, in fall 2005.

*Deliverables: Final Design Documents*

*Start Date: July 1, 2005*

*End Date: August 30, 2005*

*Projected Cost: \$6,000*

#### **Task 2.0: Disassemble Existing Exhibit**

The existing exhibit will be disassembled.

*Deliverables: Disassembled Exhibit*

*Start Date: September 1, 2005*

*End Date: September 15, 2005*

*Projected Cost: \$1,500*

#### **Task 3.0: Reassemble Basic Structure in New Location**

The basic house structure will be reassembled in its new location, next to the new Delta Region Exhibit.

*Deliverables: Reassembled Basic Structure*

*Start Date: September 16, 2005*

*End Date: September 30, 2005*

*Projected Cost: \$1,500*

#### **Task 4.0 Yard and Garden (Figures 5 & 6)**

*Drip Irrigation Representation.* The exhibit's existing AstroTurf will be replaced with new AstroTurf. The potted plants will be removed, and the perimeter of the yard will be outfitted with a silk plant Xeriscape featuring drought tolerant plants and succulents. A clear plastic representation of a drip system will originate at a real water meter installed in the garden. Children will be able to use a valve to activate the drip system, which will provide water to a raised display of silk plants via a self-contained pump and tubing system. The display will allow children to observe, but not touch, the water being provided to the plants through the drip system.

*Domestic Pet & Wildlife Representation.* The yard will contain representations of domestic pets and wildlife and their various watering stations. This component places an emphasis on

the importance of water for all living things. The watering stations will be supplied by the self-contained drip irrigation system, and if possible, will have separate supply valves to add to the interactive experience in the garden. The existing push button recording in the yard will be upgraded and a new recording will describe the outdoor water components of the exhibit.

*Deliverables: Completed Yard and Garden Components of Exhibit*

*Start Date: October 1, 2005*

*End Date: October 31, 2005*

*Projected Cost: \$10,000*

### **Task 5.0: Conveyance System (Figures 5 & 6)**

The water meter in the yard will also be the source for a self-contained clear plastic pump, pipe and valve system that supplies water to the interior of the house. The pipes will contain blue-tinted water and will be clearly visible throughout the house. A series of valves can be used to stop and start the flow of water in the pipes, allowing children to interact with the plumbing system and observe how water moves from the meter to the tap, and how water using appliances and fixtures operate. Children will be able to turn the valves and observe, but not touch, the water being provided to the components of the exhibit. Two existing push button recordings inside the house will be upgraded and new recordings will describe water conveyance in the house.

*Deliverables: Completed Conveyance System*

*Start Date: October 1, 2005*

*End Date: November 30, 2005*

*Projected Cost: \$6,000*

### **Task 6.0: Interior Water Components (Figures 5 & 6)**

*Sink and Toilet Systems.* Water will be supplied to a real sink in the bathroom, which will be equipped with a clear plastic, self-contained faucet and drain. The sink will be constructed to allow children to open and close the valves and observe the flow of water through the pipes, faucet and drain. A similarly constructed toilet in the house will allow children to activate the ultra low flush mechanism and observe the workings of a water efficient toilet. All systems will be completely self-contained; children will be able to see the mechanisms operate and the water flow, but will not be able to touch the water itself.

*Low-Flow Showerhead Demonstration.* The self-contained, clear plastic pump, pipe and valve system will travel across the ceiling of the house to supply a Plexiglas enclosed shower demonstration. Children will be able to activate two showerheads simultaneously, one ordinary head and one low-flow head, by pushing a button. The showerheads will fill clear plastic reservoirs, visually demonstrating the water saving benefits of a low-flow showerhead. A new speaker and recording will be added to describe the demonstration.

*Deliverables: Completed Interior Water Component Systems*

*Start Date: November 1, 2005*

*End Date: November 30, 2005*

*Projected Cost: \$6,000*

**Task 7.0: Refrigerator (Figures 5, 6 & 7)**

A real refrigerator, halved by a sawzall and mounted on the wall like a door, will contain representations of the food we eat daily. Each plastic food item will be labeled with the amount of water it takes to produce it. A new push button speaker and recording will be added to describe the refrigerator's contents and purpose.

*Deliverables: Completed Refrigerator Component and Contents*

*Start Date: November 1, 2005*

*End Date: November 30, 2005*

*Projected Cost: \$2,000*

**Task 8.0: Mural (Figures 5 & 6)**

The old mural will be replaced with a new mural depicting Stockton's water sources and our water's journey from the Sierra snow pack to valley farms and residences and the Bay-Delta. The existing push button recording near the mural will be upgraded and a new recording will describe the mural and reinforce its message.

*Deliverables: Completed Mural*

*Start Date: November 1, 2005*

*End Date: January 15, 2006*

*Projected Cost: \$5,000*

**Task 9.0: Video Kiosk & Software (Figures 5, 6 & 8)**

A new, interactive touch screen computer housed in a specially designed childproof kiosk will feature specially designed water education games that will allow children to play a picture match game or answer simple trivia questions. The games will be geared to non-readers and students in primary grades, and will even accommodate non-English speaking players.

*Deliverables: Installation of Kiosk, Implementation of Software Application*

*Start Date: January 15, 2005*

*End Date: January 15, 2006*

*Projected Cost: \$10,000*

**Task 10.0: House Exterior**

The exterior of the house will be colorfully painted, and will be identified with a sign or banner. A doorbell or push button recording will welcome visitors with a child-friendly greeting or song. To promote the Project, SEWD may hold a citywide or school district contest to name the exhibit.

*Deliverables: Finished Exterior, Banner Sign & Greeting*

*Start Date: December 15, 2005*

*End Date: January 15, 2006*

*Projected Cost: \$2,000*

**Tasks 11.0 – 14.0:****Testing, Ribbon Cutting, Meetings, Reporting & Administration:**

All components of the exhibit will be thoroughly tested for operational competence after construction/installation. Team meetings will be held regularly during planning, design and construction of the project. The Project Manager will perform the administrative tasks and

reporting required by the grant contract. A ribbon-cutting ceremony will be held when the project is complete in February 2006.

*Deliverables: Test Results, Quarterly Reports, Grant Reimbursement Request Submissions, Project Meetings and Completion Verification, Ribbon Cutting Ceremony.*

*Start Date: July 1, 2005*

*End Date: February 1, 2006*

*Projected Cost: \$4,545*

**Contingencies: \$5,455**

**Project Duration: July 1, 2005 – February 1, 2006**

**Projected Cost: \$60,000**

### **Preliminary Plans and Specifications**

A diagram of the existing exhibit, including dimensions and location, is provided as Figure 3. While the exhibit's location within the museum will change, it is expected that the dimensions of the house will remain the same. The floor plan and a three dimensional view of the proposed exhibit are provided as Figures 5 and 6. A list of Project materials is provided in the Project Task List.

### **CEQA**

The Project is not a "project" as defined by CEQA, in that the action will not result "in either a direct physical change in the environment, or a reasonable foreseeable indirect physical change in the environment" (PSP, Page 14).

### **Scope of Program and Materials to be Used or Developed**

The refurbished exhibit will promote water awareness and demonstrate conservation concepts for the Museum's 55,000+ annual visitors. The variety of proposed interactive activities for the refurbishment were developed in accordance with the California Content Standards for primary grades in physical, life and earth sciences. A list of Project materials is provided in the Project Task List.

### **Statewide Implementation Strategies**

Many of the ideas and concepts in the plan have already been and will continue to be developed and shared statewide; the Project Manager visited other water education centers and consulted with state and local agency personnel and museum staff in an effort to utilize and adapt activities proven to both educate and entertain young children. The Project Manager is also a member of the DWR Water Education Committee, a group of water educators that meets twice annually to share ideas and promote quality water education throughout the state.

**PSP SECTION B.15.e**  
**STATEMENT OF WORK, SECTION 3: MONITORING AND ASSESSMENT**

**Project Monitoring and Evaluation Plan**  
**Monitoring Methodologies and Project Monitoring Data Collection**

*Multi-Faceted Assessment Process*

Project monitoring and evaluation will be a multi-faceted task; assessments by both SEWD/SAWS and the target audience will occur, and the refurbished exhibit's endurance in a public setting will ultimately determine whether the project is a success.

*Continual Scrutiny*

The SAWS water awareness exhibit has been a feature in the Children's Museum of Stockton (Museum) for approximately ten years. The Museum is open to the public daily and is a popular destination for school field trips, birthday parties and other children's groups and events; thus, all exhibits are subject to continual scrutiny by the Museum's patrons, employees, and directors. Because space in the Museum is limited, features that are poorly maintained or dull are replaced with something more attractive. SEWD is currently seeking grant funding for refurbishment because the existing SAWS exhibit is worn out; the exhibit must be updated to avoid losing its space to a newer, more exciting feature. To claim success, the project must maintain space within the Museum. Refurbishment of the exhibit with state of the art designs and innovative, interactive components will assure its endurance.

*Local and Bay-Delta System Benefits*

The City of Stockton maintains statistical records of attendance for the Children's Museum. In 2003, those records documented over 55,000 visitors from eleven Central and Northern California counties. Most of those counties contribute to, depend upon, or are associated with the Bay-Delta system. When completed, the refurbished SAWS exhibit will be situated next to the new Delta Region Exhibit in the museum (Figure 4), thereby exposing visitors to a comprehensive water education experience that places a particular emphasis on the Bay-Delta. The SAWS refurbishment Project will provide water education benefits to Stockton and the surrounding communities as well as to a broad range of visitors from throughout the Bay-Delta system. Those benefits will be monitored by implementing the following five-year evaluation plan.

***Five Year Evaluation Plan***

- SEWD will obtain annual attendance and visitor origin data from the Children's Museum of Stockton to determine if the venue is continuing to provide effective outreach to large numbers of children residing in Stockton and other Bay-Delta communities.
- In an effort to determine if the exhibit is effective in meeting Project goals and objectives as stated in Section B.15.c, SEWD will conduct semi-annual research on the exhibit's effectiveness by interviewing Museum staff and observing/interviewing children interacting with the exhibit.

- SEWD personnel will monitor and evaluate the exhibit for operational efficiency when performing regular maintenance on its components.
- As required, reports containing the statistical and evaluative data defined above will be submitted to the Office of Water Use Efficiency annually for five years after Project completion.

#### *Long Term Benefits Achieved by Reaching Project Goals and Objectives*

Achieving Project goals and objectives will ultimately result in a more secure water future for Stockton, the Bay-Delta, and California. By providing an easily accessible venue for learning activities that promote water awareness at an early age, the Project will play a major role in producing well informed and water conscious youngsters. Like the highly effective seatbelt campaign of the 1980s, this type of well-focused educational effort has the potential to instill in our young people a beneficial habit and a deeply ingrained knowledge that will equip them to understand the importance of water resource protection and help them make responsible environmental decisions as adults.

#### **Pre-Project Conditions**

The Project Manager has observed and interviewed children interacting with the current exhibit on several recent occasions. The pre-project conditions are described in the Statement of Work, Section 2, Background Information portion of this proposal. It is clear that the exhibit in its current state holds little interest for children visiting the Museum due to its age and the lack of interactive games and hands-on activities.

#### **External Factors: Social Conditions**

The Project is located in metropolitan Stockton, which qualifies as a disadvantaged community “with an annual median household income that is less than 80 percent of the statewide annual median household income,” as described in Section A-7 of the PSP (Attachment 1). As such, the population of children directly served by the project is largely indigent and often uses English as a second language. By providing easily accessible, centrally located, interactive educational activities that can be used by non-readers, non-English speaking and primary grade children, the Project has the ability to bridge social and economic gaps, allowing all children, regardless of income status or background, to play and learn.

#### **Handling, Storing and Reporting Project Data**

Reports will be stored at SEWD in both hard copy and electronic data formats. As required, reports containing the statistical and evaluative data as defined in the Five Year Evaluation Plan above will be submitted to the Office of Water Use Efficiency for five years after Project completion

#### **Costs Associated with Implementation of the Monitoring and Evaluation Plan**

The costs involved with monitoring and evaluation of the Project beyond construction will be borne by the applicant as part of the SAWS partners UWMP BMP implementation and the agencies’ ongoing collaborative community outreach and education efforts.

**PSP SECTION B.15.f**  
**QUALIFICATIONS OF APPLICANTS AND COOPERATORS**

**RESUME**  
**Kristin Coon**  
**Project Manager**

Kristin Coon is the Water Conservation Coordinator for the Stockton East Water District.

*Education.* Ms. Coon holds a Bachelor of Arts Degree in Management from St. Mary's College of California and a Professional Certificate in Public Relations from the University of California, Davis. In 2001, Ms. Coon was a scholarship recipient for CALFED's "Healthy Watersheds – Watershed Partnerships Seminar," a two-week intensive training course on collaborative watershed management, developed by the Western Management Development Center and sponsored by the State of California.

*Relevant Experience.* Ms. Coon has nine years experience the water industry; six years in public outreach, education and grant administration, and three years in customer relations. As Water Conservation Coordinator for the Stockton East Water District, Ms. Coon is currently responsible for managing the following projects:

- Developing and implementing SEWD's new, California Content Standard compliant water education programs for Stockton area schools.
- Coordinating the refurbishment of the SAWS exhibit at the Children's Museum of Stockton.
- Coordinating the 2005 update of SEWD's Urban Water Management Plan (UWMP) and implementing the UWMP Demand Management Measures (BMPs).
- Assisting SEWD with general public outreach, event planning, graphic design, and grant writing/administration.

In recent years, Ms. Coon has been involved in the following projects and activities:

- Grant application composition and successful procurement of USEPA funds for an environmental education program based on the Streamside Community Unit of the Adopt-A-Watershed Curriculum.
- Curriculum adaptation, coordination, promotion, and implementation of the above referenced USEPA grant-funded Adopt-A-Watershed Program.
- Creation, coordination, promotion and implementation of water education programs in Calaveras County elementary schools.
- Grant application preparation, contract administration, and project coordination for the grant-funded Calaveras River Watershed Management Plan.
- Coordination and implementation of water industry related events, meetings and presentations.
- Design and construction of water related displays.
- Design, composition, and publication coordination of water industry newsletters and public outreach materials.
- Coordination and implementation of water facility tours.
- Coordination of public informational mailings, postings and announcements.

**Qualifications: Conveyance Engineer: Andreas Lozano**

The Project will also call upon the expertise of SEWD's Conveyance Engineer, Andres Lozano. Mr. Lozano has been with SEWD for ten years and has extensive experience in designing and constructing water related visual displays and working models for public outreach and educational purposes.

**Identity and Role of External Cooperators**

The Children's Museum of Stockton is an external cooperator in the Project. A letter of support, approved by the Museum's Board of Directors and signed by the Museum's Program Coordinator, is included in this application as Attachment 2.

The Children's Museum of Stockton is operated by the City of Stockton's Department of Parks and Recreation. Inspired by a teacher wounded in the tragic Cleveland Elementary School shootings of 1989, the Museum was developed in the wake of that tragedy as an expression of hope, meaning and love for the children of Stockton. It opened to the public in its present form in 1994, providing young visitors with an educational experience that includes hands-on, play-based exhibits designed to enhance a child's understanding of how the world works (<http://www.stocktongov.com/childrensmuseum/pages/history.htm>).

The Children's Museum of Stockton occupies 22,000 square feet of brightly decorated warehouse space (Figure 2) in the rapidly developing Waterfront District of downtown Stockton (Figure 1). Over 55,000 people from eleven Northern and Central California counties visited the Museum in 2003, and attendance for 2004 is expected to top that number by at least ten percent. Children on organized group outings and school field trips make up nearly 35 percent of the annual admission, while 25 percent of the Museum's visitors come in private groups for birthday parties and summer camp events. Accompanying adults account for 13 percent of those interacting with the exhibits, making the venue a perfect outreach vehicle for community education.

**Previous Water Use Efficiency Project Participation**

While SEWD has not been the recipient of a Water Use Efficiency grant in the past, the Project Manager, Kristin Coon, was involved in the 2002 grant application process that resulted an award from the Office of Water Use Efficiency for the Bummerville pipeline reconstruction, a project currently underway at the Calaveras County Water District.

**Disadvantaged Community: MHI Geographic Scope and Information Source**

SEWD, The Children's Museum of Stockton, and the Project are all located in the City of Stockton (Figure 1), which has "an annual median household income that is less than 80 percent of the statewide annual median household income," as described in Section A-7 of the PSP.

The Median Household Income figures for Stockton were obtained from Census 2000 at <http://factfinder.census.gov/servlet/SAFFFacts?sse=on>. According to this source, Stockton's median household income is \$35,453, or 74 percent of the statewide annual median household income of \$47,493. Supporting documentation from Census 2000 is included in this application as Attachment 1.

**PSP SECTION B.15.g**  
**OUTREACH, COMMUNITY INVOLVEMENT AND ACCEPTANCE**

**Project Coordination with Local Government or Community-Based Organizations**

The Children's Museum of Stockton, which is operated by the City of Stockton's Department of Parks and Recreation, is an external cooperator in the Project. A letter of support, approved by the Museum's Board of Directors and signed by the Museum's Recreation Program Coordinator, is included in this application as Attachment 2.

SEWD personnel and the Museum's Board of Directors and staff agree that the refurbished SAWS exhibit will coordinate well with the City of Stockton's new Delta Region Exhibit, which is currently under construction. Placing these two water related exhibits together will serve to heighten the impact of the Museum's water education experience for visitors and heighten the profile of the bay Delta.

The Museum's Board of Directors and staff were consulted for ideas and input during the Project's planning process, and will continue to be involved throughout the design and construction phases. In addition, SEWD and the SAWS partners will look to the staff of the Museum to assist in relocating and reassembling the exhibit in order to assure maximum coordination with the Delta Region Exhibit.

**Public Outreach Plan for the Project**

The exhibit will be part of the Children's Museum of Stockton and will thus be accessible to the Museum's 55,000+ annual visitors. The City of Stockton uses a number of effective methods to attract visitors to the Children's Museum, including an informative Internet website (<http://www.stocktongov.com/childrensmuseum/>) and newsletters that reach every home in the City of Stockton's service area with the bi-monthly water bill. Word of mouth is effective as well; the Museum is a popular destination for the residents of at least eleven Central and Northern California counties.

Any funding awarded to SEWD for the exhibit will be highly publicized, both in press releases and in each of the SAWS agencies' billing inserts and/or public outreach modes.

**Organizations Aware of or Supportive of the Project**

While SEWD will act as the lead agency in the refurbishment effort, the Stockton Area Water Suppliers (SAWS) partner agencies (The City of Stockton, San Joaquin County, and the California Water Service Company) fully support the Project. Letters of support for the Project from these agencies are included in the proposal as Attachments 3-5. As stated above, the Children's Museum of Stockton, which is operated by the City of Stockton's Parks and Recreation Department, supports the project as well; the Museum's letter of support is included with this application as Attachment 2.

**Third Party Impacts**

The project has no known third party impacts.

**Number of People or Organizations Expected to Receive Benefits from the Project**

By providing water education in an easily accessible, centrally located venue, the Project will benefit a broad spectrum of citizens and communities in Northern and Central California, especially those counties and communities within and surrounding the Bay-Delta. The Museum serves as a popular destination for organized field trips for public and private schools, church groups, scouting troops, preschools, playgroups and other children's organizations. Private citizens use the facility for birthday parties and special events, and parents and grandparents often visit the Museum to entertain their children on family outings. The Project also has the potential to provide water education for adults as they interact with their children in the exhibit.

Assuming a ten-year lifespan, the Project, with proper upkeep and maintenance, has the potential to reach a vast number of people. Because the Children's Museum attracts over 55,000 children and adults from various locations and backgrounds each year, the exhibit could educate hundreds of thousands of people during its lifetime, and contribute to populating Stockton, the Bay-Delta, the state, and the nation with a new generation of water conscientious adults. In addition, if the City of Stockton continues to grow at its current rate, the Children's Museum could substantially increase its service numbers in just a few years.

While the main focus of the Project is to serve the children who visit the museum, it will also benefit the agencies involved in the refurbishment effort and the agencies promoting the well being of the Bay-Delta by providing a venue for public outreach and education and, ultimately, a more promising water future.

**Opposition to the Proposed Project**

There is no known opposition to the Project.

**PSP SECTION B.15.h**  
**INNOVATION**

**Innovative Technologies or Methodologies to be Employed by the Project**

The Project employs innovative ideas for activities that are both fun and educational for young children. The design of the exhibit is intended to provide a fresh and intriguing approach that will attract and hold a young child's attention and spark his or her interest in the physical, earth, and life sciences that involve water.

The proposed self-contained conveyance system that starts at the meter and supplies water to both the drip irrigation system and the interior of the house (Figures 5 and 6) will offer children a unique opportunity to observe and even control the flow of water to the exhibit's components. Performing these activities in the familiar setting of a typical household will help teach children to recognize and implement water saving activities in their daily lives while promoting an understanding of the forces behind the plumbing and mechanical processes that take place when water is used at home.

The proposed video game kiosk (Figure 8) provides an educational experience in a popular and fun package. It is well known that children are fascinated by and attracted to touch screen computers and video games. Employing this innovative, state-of-the-art technology in the exhibit will promote water awareness and an understanding of the primary scientific premises of water education.

The fact that some components of the exhibit have been used in other water education efforts does not make the use of them here any less innovative. Use of proven ideas and the planning and placement of the exhibit is innovative in itself – the Museum provides an excellent venue for water education public outreach. Because the population served by this exhibit is a new audience, the exhibit will use these innovative qualities to attract attention and provide community benefit.

**PSP SECTION B.15.i**  
**BENEFITS AND COSTS**

**This Narrative Fulfills Table C.5 Requirements**

**Local Benefits**

*The Community*

Stockton and the surrounding communities will benefit from the refurbished exhibit because it will provide children with years of enhanced water education in an entertaining format at minimal cost. Young children will be attracted to the exhibit's innovative designs and activities and will ultimately benefit from the knowledge they acquire through interactive learning. The communities of the future will benefit when they are populated with well-informed citizens and community leaders who understand the importance of careful water resource management.

*SEWD and the SAWS Partner Agencies*

By obtaining funding and making the effort to implement the exhibit refurbishment, SEWD and the SAWS partner agencies will maintain space in the Children's Museum, allowing the agencies to improve their ability to provide effective water education and public outreach in the Stockton metropolitan area. The refurbished exhibit will also enhance the image of the water providers in the community and assist them in fulfilling their UWMP BMP requirements for public outreach and education.

**Bay-Delta System Benefits**

*Bay-Delta Communities*

The Children's Museum of Stockton attracts over 55,000 visitors annually from at least eleven Northern and Central California Counties (Alameda, Amador, Calaveras, Contra Costa, El Dorado, Merced, Sacramento, San Joaquin, Solano, Stanislaus, and Tuolumne). Most of these counties contribute to and/or depend upon the Bay-Delta system in one way or another. The combined educational experiences of the SAWS water awareness exhibit and the Delta Region Exhibit at the Museum will educate and therefore benefit citizens from a wide range of Delta communities.

*Bay-Delta System*

The Bay-Delta system will benefit from the Project because the children educated today by the exhibit will be more likely to understand and care for our water resources and the Bay-Delta tomorrow, when they become citizens and community leaders.

**Also see Section C, Quantitative Benefits**

**PSP SECTION C**  
**COSTS AND BENEFITS**

**Applicant: Stockton East Water District**  
**Water Awareness Exhibit Refurbishment for the Children's Museum of Stockton**

THE TABLES ARE FORMATTED WITH FORMULAS: FILL IN THE SHADED AREAS ONLY

Section A projects must complete Life of investment, column VII and Capital Recovery Factor Column VIII. Do not use 0.

**Table C-1: Project Costs (Budget) (in Dollars)**

	Category  (I)	Project Costs  \$ (II)	Contingency % (ex. 5 or 10) (III)	Project Cost + Contingency  \$ (IV)	Applicant Share (In Kind)  \$ (V)	State Share Grant  \$ (VI)	Life of investment (years) (VII)	Capital Recovery Factor (VIII)	Annualized Costs  \$ (IX)
	Administration'								
	Salaries, wages	\$17,460	10	\$19,206	\$6,000	\$13,206	0	0.0000	\$0
	Fringe benefits	\$6,111	10	\$6,722	\$0	\$6,722	0	0.0000	\$0
	Supplies	\$0	0	\$0	\$0	\$0	0	0.0000	\$0
	Equipment	\$0	10	\$0	\$0	\$0	0	0.0000	\$0
	Consulting services	\$0	0	\$0	\$0	\$0	0	0.0000	\$0
	Travel	\$0	0	\$0	\$0	\$0	0	0.0000	\$0
	Other	\$0	0	\$0	\$0	\$0	0	0.0000	\$0
(a)	Total Administration Costs	\$23,571		\$25,928	\$6,000	\$19,928			\$0
(b)	Planning/Design/Engineering	\$0	0	\$0	\$0	\$0	0	0.0000	\$0
(c)	Equipment Purchases/Rentals/Rebates/Vouchers	\$23,500	10	\$25,850	\$0	\$25,850	10	0.0000	\$0
(d)	Materials/Installation/Implementation	\$1,000	10	\$1,100	\$0	\$1,100	0	0.0000	\$0
(e)	Implementation Verification	\$0	0	\$0	\$0	\$0	0	0.0000	\$0
(f)	Project Legal/License Fees	\$0	0	\$0	\$0	\$0	0	0.0000	\$0
(g)	Structures	\$0	0	\$0	\$0	\$0	0	0.0000	\$0
(h)	Land Purchase/Easement	\$0	0	\$0	\$0	\$0	0	0.0000	\$0
(i)	Environmental Compliance/Mitigation/Enhancement	\$0	0	\$0	\$0	\$0	0	0.0000	\$0
(j)	Construction	\$0	0	\$0	\$0	\$0	0	0.0000	\$0
(k)	Other (Artwork)	\$5,000	10	\$5,500	\$0	\$5,500	0	0.0000	\$0
(l)	Monitoring and Assessment	\$0	0	\$0	\$0	\$0	0	0.0000	\$0
(m)	Report Preparation	\$1,474	10	\$1,621	\$0	\$1,621	0	0.0000	\$0
(n)	<b>TOTAL</b>	\$54,545		\$60,000	\$6,000	\$54,000			\$0
(o)	Cost Share -Percentage				10	90			

## **Narrative: Labor Costs, Cost Sharing and Indirect Costs**

### *Labor Costs*

Salaries and wages included in the Project Budget are allotted for the Project Manager/Water Conservation Coordinator (300 hours), the Conveyance Engineer (80 hours) and a general maintenance worker (80 hours). The Project Manager will oversee the Project in its entirety, through planning, design, construction, testing and completion. The Conveyance Engineer is a long-time employee of SEWD with extensive experience in the design and construction of water related visual displays and working models for public outreach and educational purposes; his expertise will assure coordination and quality of design and construction. The general maintenance worker will perform maintenance and construction tasks as directed by the Project Manager and the Conveyance Engineer. Travel time and consulting fees will not be charged against the Project.

### *Cost Sharing*

The Project is located in the City of Stockton, which qualifies as a disadvantaged community “with an annual median household income that is less than 80 percent of the statewide annual median household income,” as described in Section A-7 of the PSP. According to Census 2000, Stockton’s Median Household Income is 74% of the statewide Median Household Income (Attachment 1). Section A-7 stipulates that projects serving disadvantaged communities do not require a cost share, and Section B-7 states that there is no matching requirement for Section B projects. However, SEWD has included a 10% in-kind cost share in the budget in hopes of making the Project more competitive. The SEWD cost-sharing commitment letter is included in this proposal as Attachment 6.

### *Indirect Costs*

Indirect costs will not be charged against this Project.

## **Potential Water Use Efficiency Benefits**

The Project will promote water use efficiency by providing young children with education about water science and water conservation, thereby promoting an understanding of the importance of preserving and protecting our water resources in the future. The children we educate today will practice water use efficiency when they become the citizens and community leaders of tomorrow.

## **Quantitative Benefits**

The cost of the Project is relatively small when compared to the benefits it will provide; a one-time \$60,000 investment (\$54,000 State/\$6,000 applicant in-kind) in the refurbishment of the SAWS exhibit will establish a method of effective annual outreach to over 55,000 children and adults at a cost of less than \$0.11 per Museum visitor over a ten year period. With proper maintenance, the exhibit has the potential to educate hundreds of thousands of people and contribute to populating Stockton, the Bay-Delta, the state, and the nation with a new generation of water conscientious adults. In addition, the project location is easily accessible and centrally located within a rapidly expanding metropolitan area; if Stockton continues to grow at its current rate, the Museum could substantially increase its service numbers in just a few years. While the main focus of the Project is to serve the children who visit the museum, it will also benefit the agencies involved in the refurbishment effort and the

agencies promoting the well being of the Bay-Delta by providing a venue for public outreach and education and, ultimately, a more promising water future.

Historically, effective public outreach efforts by the SAWS agencies have resulted in documented water savings ranging from one to fourteen percent annually. Even conservative water saving estimates, based only on SEWD's urban drinking water distribution figures, demonstrate that the project's potential for consumption and monetary savings is substantial:

<b>2% water savings/yr = 42,000 AF x 0.02 = 840 AF/yr * \$750/AF = \$630,000/yr</b>
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Table C-2 Not Applicable

Table C-3 Not Applicable

Table C-4 Not Applicable

**Table C-5 (See Section B.15.i. and Section C for Qualitative Benefits Narrative)**

Applicant: **Stockton East Water District**  
**Water Awareness Exhibit Refurbishment for the Children's Museum of Stockton**

THE TABLES ARE FORMATTED WITH FORMULAS: FILL IN THE SHADED AREAS ONLY

Table C-5 Project Annual Physical Benefits (Quantitative and Qualitative Description of Benefits)

	Qualitative Description - Required of all applicants <sup>1</sup>			Quantitative Benefits - where data are available <sup>2</sup>	
	Description of physical benefits (in-stream flow and timing, water quantity and water quality) for:	Time pattern and Location of Benefit	Project Life: Duration of Benefits	State Why Project Bay Delta benefit is Direct <sup>3</sup> Indirect <sup>4</sup> or Both	Quantified Benefits (in-stream flow and timing, water quantity and water quality)
Bay Delta	PLEASE SEE QUALITATIVE BENEFITS NARRATIVE IN SECTION B.15.I & SECTION C				
Local				Not applicable.	

<sup>1</sup> The qualitative benefits should be provided in a narrative description. Use additional sheet.

<sup>2</sup> Direct benefits are project outcomes that contribute to a CALFED objective within the Bay-Delta system during the life of the project.

<sup>3</sup> Indirect benefits are project outcomes that help to reduce dependency on the Bay-Delta system. Indirect benefits may be realized over time.

<sup>4</sup> The project benefits that can be quantified (i.e. volume of water saved or mass of constituents reduced) should be provided.

Table C-6 Not Applicable

Table C-7 Not Applicable

Table C-8 Not Applicable (See Section C for Cost Share Description)

**---END OF PROPOSAL---**