

CALFED Water Use Efficiency Program Proposal Solicitation Package

2001 PSP FUNDING RECOMMENDATIONS OVERVIEW

INTRODUCTION

The CALFED Bay-Delta Program is a cooperative effort of State and federal agencies with management or regulatory responsibilities for the Bay-Delta. The Water Use Efficiency (WUE) Program, an integral part of the CALFED initiative, is dedicated to accelerating the implementation of cost-effective actions to conserve and recycle water throughout the state.

A key WUE strategy – articulated in CALFED’s August 2000 Record of Decision – is to implement an incentive-based program that provides grants for actions that contribute to CALFED objectives but are not locally cost effective. In January 2001, the WUE Grant Team – consisting of staff from the California Department of Water Resources (DWR), the U.S. Bureau of Reclamation (USBR), Natural Resources Conservation Service (NRCS) and CALFED Program – launched a Proposal Solicitation Package (PSP) intended to identify and award grants to the most promising agricultural and urban water conservation actions.

This overview provides the public with a detailed update on the status of the Program’s PSP process. It is presented in three sections:

Section One: Funding Decisions. This section details the final funding decisions.

Section Two: Process Overview. This section provides an overview of the process the WUE Grant Team used to solicit, review and recommend projects for funding.

Section Three: Next Steps. This section outlines the process the Program envisions using for future grant rounds.

SECTION 1: Funding Decisions

The Water Use Efficiency (WUE) Grant Team issued its Proposal Solicitation Package (PSP) on January 2, 2001. The PSP sought projects capable of reducing irrecoverable water losses, attaining water quality benefits, and/or attaining environmental benefits. A total of 116 proposals (43 agricultural, 73 urban) were received, representing more than \$85 million in funding requests and \$148 million in total proposed project costs. This section describes the final funding decisions. A comprehensive list of final funding decisions for each project is included in Appendix 1-A (for agricultural projects) and Appendix 1-B (for urban).

The WUE Grant Team facilitated a comprehensive critique and ranking of the proposals – first through an extensive peer review process, then in subsequent agency staff discussions and rankings. Projects were evaluated based on five primary criteria: 1) relevance and importance; 2) technical/scientific merit; 3) outreach, community involvement and information; 4) applicant qualifications and partnerships; and, 5) costs and benefits. The funding package also was structured to be diverse in project type, geographic distribution and project size. (A detailed overview of this ranking and selection process is included in Section 2.)

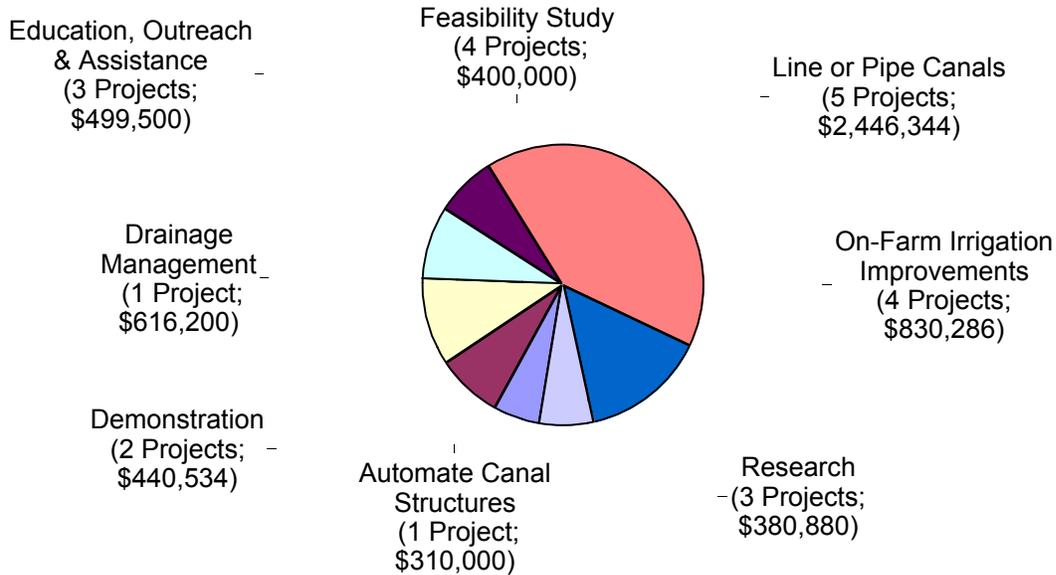
The final funding decisions outlined below represent the consensus view of the WUE Grant Team, as approved by the CALFED Management and Policy Group and the Director of the California Department of Water Resources. Funding highlights are as follows:

- Overall, staff recommended awarding \$11.7 million in grant funding to 53 projects. This represents \$5.9 million in grant funding to 23 agricultural projects, with an estimated \$3.6 million in local match, and \$5.8 million in grant funding to 27 urban projects, with an estimated \$5.5 million in local match.
- Projects recommended for funding are located in a number of regions throughout the state. The majority of agricultural projects recommended for funding are located in the San Joaquin and Sacramento valleys. The bulk of the recommended urban projects are in the South Coast and Northern California. A handful of projects are statewide in scope. An overview of the geographic distribution is provided in Table 1 below.

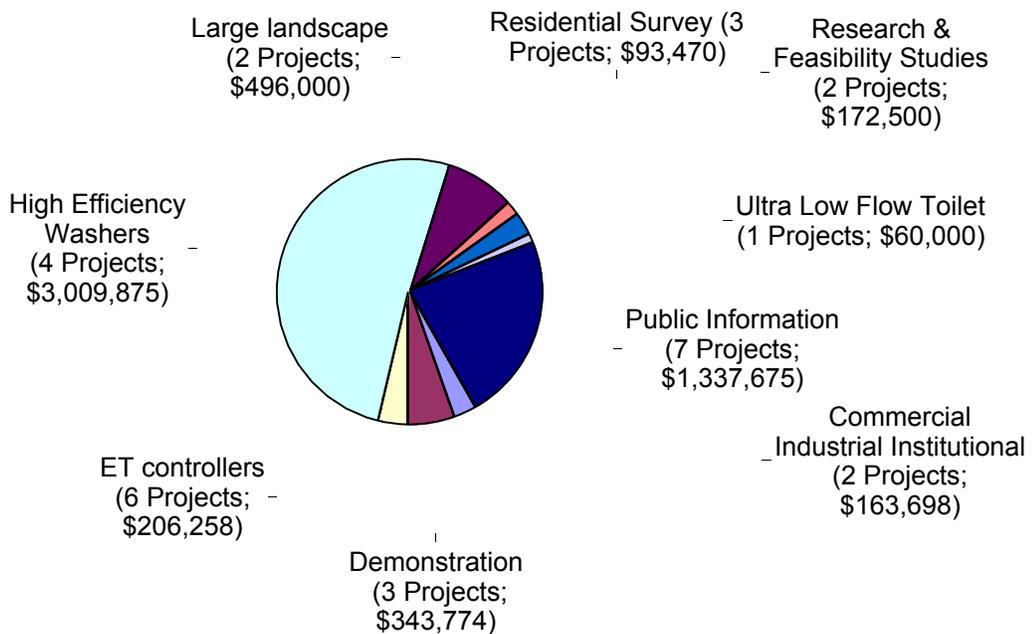
Region	Agricultural		Urban	
	Number	Funding (\$)	Number	Funding (\$)
State-Wide	2	369,600	5	1,086,800
Colorado River	0	0	0	0
South Coast	0	0	14	1,868,051
Bay & Delta	1	99,500	5	2,481,875
San Joaquin Valley	11	3,426,436	0	0
Sacramento Valley	9	2,028,208	6	446,524
Total	23	5,923,744	30	5,883,250

- The recommended funding package reflected the WUE Grant Team’s emphasis on implementation-related projects. The recommendations, however, also included suggested grant funding for projects focused on research, education, demonstration and feasibility studies. Figures 1-A and 1-B below summarize the funding recommendations, by category.

**Figure A.1. Agricultural
Summary of Projects Recommended for Funding**



**Figure A.2. Urban
Summary of Projects Recommended for Funding (Revised 6/1/01)**



- Projects recommended for funding are expected to generate significant quantified and non-quantified benefits. Quantified conservation benefits include combined diversion reductions of approximately 76,869 acre-feet. Non-quantified benefits include improvements in water quality and local flexibility and reduction in energy consumption. Table 2 below summarizes the expected costs and benefits associated with the WUE Grant Team’s recommended funding package.

The WUE Grant Team believes its recommended funding package is consistent with the CALFED Record of Decision and will deliver long-term, cost-effective benefits.

	Quantified Benefits (AF)			Costs (\$)		
	Yield-Increasing Conservation	Flow-Enhancing Conservation	Total Application Reduction	Recommended Funding	Estimated Local Cost Share	Total Project Cost
Ag	810	59,987	60,797	5,923,744	3,615,397	9,539,141
Urban	23,896	0	23,896	5,835,200	5,590,700	11,425,900
Total	24,706	59,987	84,693	11,758,944	9,206,097	20,965,041

Notes:

- Near-term quantified benefits (those that can be realized within three years) are 30,500 AF (14,500 AF for ag and 23,824,000 AF for urban).
- Non-quantified benefits include water quality improvements, local flexibility and energy conservation.

SECTION 2: Process Overview

In January 2001, the Water Use Efficiency Grant Team launched its first-ever Proposal Solicitation Package process. Despite an aggressive timeline, the WUE Grant Team committed to putting in place a process that was as inclusive and rigorous as possible – both in its outreach to potential applicants and in its reliance on a broad-based review effort.

To kick off its efforts, the WUE Grant Team held workshops in early January for potential proposers. Workshops were held in Modesto, Oakland and Los Angeles. Application materials were made available at the workshops, on the Internet and by request. As well, CALFED WUE Program consultants were available to help potential agricultural applicants better understand Quantifiable Objectives. (Quantifiable Objectives are CALFED’s estimates of the practical and cost-effective contribution agriculture WUE can make towards goals related to water supply reliability, water quality and ecosystem restoration.)

The project review and selection process – initiated following the receipt of 116 proposals by the February 15, 2001 submittal deadline – was designed to facilitate funding recommendations perceived as comprehensive, fair and credible. This process, stretching over a two-month period, was grounded in three key stages:

- **Preliminary Review.** All proposals were reviewed initially by an economics team, science team and Native American team. These reviews, conducted by highly qualified

individuals drawn from CALFED agencies and consultants, were designed to generate detailed, project-by-project critiques on specific criteria outlined in the PSP. The Technical Teams provided written comments for each proposed project. As appropriate, the Technical Teams also indicated where and why projects did not, in their view, merit funding. This information was provided to the WUE Grant Team and the Review Panel (described below) for their subsequent deliberations.

The Preliminary Review also included an orientation meeting with both Technical Team members and the Review Panel, a group of nearly 40 highly qualified individuals drawn from CALFED agencies and environmental, urban, agricultural and environment justice stakeholder groups actively involved in water use efficiency programs. The session provided reviewers an opportunity to discuss the proposed scoring criteria and better understand the process and their roles. The WUE Grant Team also emphasized ground rules regarding confidentiality and conflict of interest. Any reviewer with an actual or perceived conflict of interest for a particular proposal was excused from reviewing or discussing that proposal or proposals in the same general category.

- **Review Panel.** The WUE Grant Team convened the 40-member Review Panel on March 12, 2001, to foster a comprehensive and cross-cutting discussion of each project. Prior to the review session, the WUE Grant Team organized reviewers into teams of four to five people, for a total of four agricultural and four urban teams. Each member of the team was then asked to read and rate (individually) 10 to 20 proposals. Each reviewer also was asked to indicate those projects that merited a “do not fund” characterization due to fatal flaws. (Reviewers received copies of the Technical Team’s project critiques to facilitate this effort.) Reviewers’ individual scores were then combined and averaged to generate a preliminary ranking for each proposal.

At the March 12 session, the WUE Grant Team facilitated discussions within and across the different review teams. These discussions, well received by reviewers, provided multiple opportunities for individuals to share information and perspectives on the various projects, as well as identify and normalize scoring discrepancies across the different review teams. Technical Team members also were on-hand to provide explanations, as needed, regarding their review of the projects. The review session included a mix of small group and larger group deliberations. Reviewers had two separate opportunities to revise their individual scorings based on the discussions. The WUE Grant Team relied on the final rankings – and reviewers’ qualitative comments – to inform its subsequent deliberations.

- **WUE Grant Team Review.** The WUE Grant Team met on several occasions to develop the recommended funding package detailed in this overview. Relying heavily but not solely on the Review Panel’s input, the WUE Grant Team used the following process and criteria to guide its deliberations:
 - Initially, the WUE Grant Team considered wide ranges of scores between individual reviewers in the same groups and across the various small groups. Next, the WUE Grant Team focused on any legal and technical constraints or “do not funds” recommendations identified in the review process. Finally, the WUE Grant Team classified some proposals as “not-WUE” if they clearly fit more

appropriately into different CALFED funding programs, such as conjunctive use, groundwater storage or ecosystem restoration.

- The next step was to assign and rank each proposal according to the most appropriate topic category (implementation, research, education, demonstration and feasibility study). Proposals were then considered within each category, with the WUE Grant Team relying most heavily on review panelists' scores and "do not fund" designations.
 - The WUE Grant Team then met to review the project mix by category, geographic distribution and size and amount of money requested per project. The funding of some projects were scaled back to allow for a wider distribution of funds. On the urban side, this was accomplished by reviewing the proposal and either cutting the level of implementation (from 100 ET Controllers to 50, for example), or cutting tasks. As well, several agricultural and urban projects were reduced and recommended for funding as feasibility studies. Feasibility studies were recommended for up to \$100,000 in funding to be consistent with the Proposition 13 Water Conservation feasibility study maximum funding level. Additionally, the WUE Grant Team recommended reducing the scope of several implementation-related projects – and the respective cost-share – to reflect the amount of work that would be eligible and funded had the applicant applied for Proposition 13 feasibility studies. (The WUE Grant Team felt that the nature of these projects lent themselves to feasibility studies initially, with subsequent application for full grant funding following the successful completion of the feasibility study.)
 - In its final funding recommendations, the WUE Grant Team made a distinction between implementation activities that would result in immediate CALFED benefits and demonstration, research and education and outreach activities. Implementation projects were favored. The WUE Grant Team's funding decisions also were driven by an upfront decision – noted in the initial PSP – to split funding evenly between agricultural and urban projects.
- **Public Workshop.** The WUE Grant Team reviewed the comments generated through the May 1 public workshop and revised the funding recommendations for three projects: Southern California Water Company (79) decrease funding to \$23,750; Southern California Water Company (85) increase funding to \$23,750 and Southern California Water Company (84) increase funding to \$4,750. The recommended funding for CTSI was withdrawn because the company had gone out of business since filing the application.
 - **CALFED Management Team/DWR Review.** CALFED Management Team reviewed and approved the WUE Grant Team's final recommended funding package at its May 8 meeting. The Management Team's final funding recommendation was then forwarded to DWR management for approval which was received on May 10, 2001.
 - **Appeal Period.** Following CALFED Management Team's and DWR's final decision on May 10, 2001, PSP applicants were given five days to appeal funding decisions (ending May 18, 2001). Based on the appeals, funding for the following projects were revised:

Rose Bowl (43) funding increased to \$90,000; and Metropolitan Water District (108) funding increased to \$34,000.

The results of this overall PSP process are summarized in Appendix 1-A (for ag) and Appendix 1-B (for urban), offering a project-by-project look at: 1) the Review Panel's average numeric rankings (on a scale of 0 to 100); 2) the WUE Grant Team's "*fund-do not fund*" rationale; and, 3) the potential benefits. A more detailed look at reviewers' qualitative critiques for each project will be made available once final funding decisions are announced.

SECTION 3: Next Steps

Current PSP Grant Round

The Department of Water Resources has encumbered the funds for the selected projects and is in the process of drafting contracts. Contracts are expected to be fully executed and projects are underway by September 1, 2001. All projects must be completed within three years.

Future PSP Grant Rounds

The WUE Grant Team has worked hard to conduct a PSP process this year that is as effective as possible. Still, the WUE Grant Team recognizes that this is the first of many grant rounds to come, and it is committed to strengthening its approach.

The WUE Grant Team already anticipates one important change. In future rounds, WUE Grant Team funding decisions and PSP-related discussions will be conducted with the Water Use Efficiency Public Advisory Committee (PAC). (Such review was not possible this year, since the PAC has not yet been convened. The May 1 workshop is intended to provide an alternate forum for this type of public review and comment.)

The Program welcomes your involvement and feedback in this ongoing effort.

APPENDIX 1

Attached are tables providing a detailed summary for each project. Appendices 1-A and 1-B summarize funded and non-funded agricultural projects; Appendices 2-A and 2-B, summarize funded and non-funded urban projects.

The appendices include the following information:

- Columns 1-3:** The first three columns provide identifying project information: proposal number, applicant and title.
- Column 4:** This column indicates the project proposal category. Categories for ag. projects include: automate canal structure; demonstration; drainage management; education, outreach and assistance; feasibility study; line or pipe ditches; on-farm irrigation improvements; or research. For urban projects, categories are: Commercial Industrial and Institutional; demonstration; ET controllers; high efficiency washers; large landscape; residential survey; research and feasibility studies; ultra low-flow toilets; or public information.
- Column 5:** This column indicates the proposer's region. Proposals were assigned to one of six regions: Colorado Region; South Coast; Bay & Delta; San Joaquin Valley; Sacramento Valley; or Statewide.
- Column 6:** This column lists the grant funding requested in the applicant's proposal.
- Column 7:** This column lists the local contribution offered by each proposer.
- Column 8:** This column lists the expected total project cost (grant request plus local cost-share).
- Column 9:** This column lists the average score developed by the March 12, 2001, Pevue Panel. Each proposal was critiqued and ranked on a scale of 0 - 100 by four to six reviewers. These rankings - along with qualitative reviewer comments - provided important guidance to the WUE Team's subsequent funding discussions.
- Column 10:** This column summarizes the WUE Team's recommended funding level. The column has one of three options: 1) fund at requested level; 2) fund at reduced level or, 3) do not fund. It also indicates the level of funding recommended.
- Column 11:** This column provides a synopsis of the WUE Team's decision rationale. For those projects recommended for funding, this column includes information related to expected benefits. For those projects with no-fund or reduced funding recommendations, the column indicates a rationale for the decision.

Appendix 1A. Details of Recommended Funding - Agricultural Proposals

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Identifying Information					Proposed Funding			Recommended Funding		
ID Num	Applicant	Title	Category	Region	Funds Requested (\$)	Cost Share Offered (\$)	Total Cost (\$)	Score	Recomm. Funding (\$)	Rationale
1	2	3	4	5	6	7	8	9	10	11
24	Anderson-Cottonwood Irrig. Dist.	Main Canal Modernization	Feasibility Study	SV	3,727,000	386,000	4,113,000	78	Fund \$100,000	Feasibility studies are recommended for funding at \$100,000, to be consistent with the Proposition 13 Water Conservation feasibility study maximum funding level. Science group recommends coordinating Orland, GCID, ACID, and RD 108 feasibility studies. Benefits include 20,000 AF of flow enhancing conservation, contribution toward QOs, district flexibility.
25	CalPoly State University-ITRC	Irrigation Districts' Technical Assistance	Edu/Outreach/ Assist	CA	300,000	300,000	600,000	72	Fund in Full	Benefits include educational demo of future potential.
49	Center for Irrigation Technology	Variability of Soil Salinity on Farms	Demo	SJV	175,010	106,400	281,410	73	Fund in Full	Benefits include contribution toward QOs.
2	Columbia Canal Co.	On-farm Irrigation System Improvements	On-Farm Irrigation Improvements	SJV	233,853	233,853	467,706	61	Fund \$152,823	Fund all but system costs on new plantings. Benefits include 884 AF of flow enhancing conservation, contribution toward QOs.
32	Glenn-Colusa Irrigation Dist.	GCID System Optimization for Fisheries, etc.	Feasibility Study	SV	1,111,000	211,000	1,322,000	72	Fund \$100,000	Feasibility studies are recommended for funding at \$100,000, to be consistent with the Proposition 13 Water Conservation feasibility study maximum funding level. Science group recommends coordinating Orland, GCID, ACID, and RD 108 feasibility studies. Benefits include 951 AF of flow enhancing conservation, contribution toward QOs, regional flexibility.
10	Golden State Irrigation Serv., Inc.	Sub-surface Drip Irrigation of Asparagus	On-Farm Irrigation Improvements	SV	898,500	1,502,000	2,400,500	63	Fund \$299,500	Project is scalable. Staff recommends performing project on 1/3 of proposed area (333 acres). Benefits include 1,250 AF of flow enhancing conservation, contribution toward QOs.
11	Kern-Tulare Water Dist.	Water Use Efficiency Project	Automate Canal Structures (EWMP B9)	SJV	4,000,000	4,000,000	8,000,000	74	Fund \$310,000	Fund \$210k for SCADA & \$100k for feasibility Study for infrastructure improvements. Benefits include contribution toward QOs, energy, flexibility.
13	Lodi-Woodbridge Winegrape Comm.	NPS Pollution Reduction in Vineyards	On-Farm Irrigation Improvements	SV	217,440	147,860	365,300	74	Fund in Full	Benefits include contribution toward QOs, addressing farm inputs.

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1	2	3	4	5	6	7	8	9	10	11
73	Lost Hills Water Dist.	Service Area 3 Distribution System Improvement	Line or Pipe Ditches or Canals	SJV	572,100	78,000	650,100	66	Fund in Full	Benefits include 110 AF of yield increasing conservationcontribution toward QOs.
72	Lost Hills Water Dist.	Service Area 5 Distribution System Improvement	Line or Pipe Ditches or Canals	SJV	754,500	140,400	894,900	83	Fund in Full	Benefits include 170 AF of yield increasing conservationcontribution toward QOs.
67	Modesto Irrigation Dist.	On-Farm Ditch and Cast in-Place Replacement	Line or Pipe Ditches or Canals	SJV	274,000	274,000	548,000	70	Fund in Full	Benefits include contribution toward QOs, regional flexibility.
23	Orland Unit Water Users' Assoc.	Regional Water Use Efficiency Project	Feasibility Study	SV	265,000	31,800	296,800	75	Fund \$100,000	Feasibility studies are recommended for funding at \$100,000, to be consistent with the Proposition 13 Water Conservation feasibility study maximum funding level. Science group recommends coordinating Orland, GCID, ACID, and RD 108 feasibility studies. Benefits include 25,000 AF of flow enhancing conservation, contribution toward QOs, district flexibility.
35	Oroville-Wyandotte Irrigation Dist.	OWID Palermo Canal Lining Project	Line or Pipe Ditches or Canals	SV	183,000	68,000	251,000	68	Fund in Full	Benefits include 695 AF of flow enhancing conservation, contribution toward QOs, energy generation.
116	Pajaro Valley Water Mgmt. Agcy.	On Farm Mobile Lab	Edu/Outreach/ Assist	SF	99,500	33,405	132,905	67	Fund in Full	Benefits include 300 AF of flow enhancing conservationenergy savings.
105	Placer County Water Agency	Real-time Canal Flow Monitoring and Canal Lining	Line or Pipe Ditches or Canals	SV	662,744	662,744	1,325,488	65	Fund in Full	Benefits include 4,867 AF of flow enhancing conservation, contribution toward QOs, stretches local water supply.
66	Reclamation District 108	Sub-basin Level Water Measurement Program	Feasibility Study	SV	7,756,000	0	7,756,000	71	Fund \$100,000	Feasibility studies are recommended for funding at \$100,000, to be consistent with the Proposition 13 Water Conservation feasibility study maximum funding level. Science group recommends coordinating Orland, GCID, ACID, and RD 108 feasibility studies. Benefits include contribution toward QOs, regional flexibility.
75	San Joaquin Valley Drainage Auth.	SW Stanislaus Co. Regional Drainage Water Mgt.	Drainage management	SJV	616,200	231,938	848,138	78	Fund in Full	Benefits include 2,500 AF of flow enhancing conservation, contribution toward QOs, regional flexibility.

Appendix 1A. Details of Recommended Funding - Agricultural Proposals

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Identifying Information					Proposed Funding			Recommended Funding		
ID Num	Applicant	Title	Category	Region	Funds Requested (\$)	Cost Share Offered (\$)	Total Cost (\$)	Score	Recomm. Funding (\$)	Rationale
1	2	3	4	5	6	7	8	9	10	11
19	Stanislaus RCD, East & West	Irrigation Mgmt. & Dormant Spray Reduction	On-Farm Irrigation Improvements	SJV	516,569	510,225	1,026,794	67	Fund \$160,523	Project is scalable. Omit dormant spray portion (based on Science team recommendation: \$-35k). Staff recommends scaling project to 1/3 of proposed area (3,333 acres). Benefits include 530 AF of yield increasing conservation, 3,540 AF of flow enhancing conservation, contribution toward QOs.
5	USDA/Ag. Research Serv.	Salt-Tolerant Crops Evaluation	Research	CA	69,600	0	69,600	69	Fund in Full	Benefits include research of crop types.
31	WaterTech Partners & JMLord, Inc.	Irrigation Scheduling	Research	SJV	600,000	765,000	1,365,000	73	Fund \$200,000	Project is scalable. Recommend performing study on 1/3 of study area (10,000 acres). Benefits include contribution toward QOs, quantifies indirect costs.
6	West Hills Commun. College Dist.	On-farm Integrated Irrigation & Drainage Mgmt.	Edu/Outreach/ Assist	SJV	568,645	553,740	1,122,385	75	Fund \$100,000	Requesting proposers scale project back and seek local funding partners, consistent with staff decision to focus funding priority on projects that promise direct and immediate benefits. Benefits include educational demo of future potential.
41	Western Canal Water Dist.	WCWD Water Use Efficiency Proj.	Demo	SV	265,524	20,000	285,524	75	Fund in Full	Benefits include contribution toward QOs.
60	Westside RCD	Total Utilization of Drainage & Minimization of Evap.	Research	SJV	111,280	36,750	148,030	76	Fund in Full	Benefits include contribution toward QOs.
63	Banta-Carbona Irrigation Dist.	BCID Irrig.and Water Qual. Improvement Loans	Not WUE - Loan Application	SV	1,000,000	0	1,000,000	67	Do Not Fund	This applicant apparently was applying for a low interest loan which is not an appropriate use of WUE Grant funding.
Totals					24,977,465	10,293,115	35,270,580	Recommended Funding: \$5,923,744		

Appendix 1B. Details of Non-Funded - Agricultural Proposals

Appendix 1B. Details of Non-Funded - Agricultural Proposals									
Identifying Information					Proposed Funding			Recommended Funding	
ID Num	Applicant	Title	Category	Region	Funds Requested (\$)	Cost Share Offered (\$)	Total Cost (\$)	Score	Rationale
1	2	3	4	5	6	7	8	9	11
63	Banta-Carbona Irrigation Dist.	BCID Irrig. and Water Qual. Improvement Loans	Not WUE - Loan Application	SV	1,000,000	0	1,000,000	67	This applicant apparently was applying for a low interest loan which is not an appropriate use of WUE Grant funding.
27	CalPoly State University-ITRC	Canal Automatic Downstream Water Level Control	Research	CA	38,972	20,000	58,972	62	Funding recommended for other more highly rated research projects. Also funding other projects by same applicant.
45	CalPoly State University-ITRC	Demonstration Facilities Improvement at ITRC	Edu/Outreach/Assist	CA	500,000	632,585	1,132,585	66	Funding recommended for more highly rated demonstration projects. Also, funding other projects by same applicant.
113	Guggisberg, Steve	Water Conservation and Efficiency Program	On-Farm Irrigation Improvements	CO	4,700	0	4,700	30	Funding recommended for other more highly rated demonstration projects. Do Not Fund recommendation given by review panel.
68	Irrigation Concepts, Inc.	Conservation from Flood and Sprinkler to Drip	On-Farm Irrigation Improvements	SJV	1,001,675	1,671,540	2,673,215	46	Cost benefit to CALFED not explained. Do Not Fund recommendation given by review panel.
55	Littlerock Creek Irrigation Dist.	Littlerock Groundwater Storage Restoration Project	Not WUE - Conjunctive Use / Groundwater Management	CO	3,825,200	956,300	4,781,500	86	This project would be more appropriately funded by the CALFED Conjunctive Use Program.
74	Lost Hills Water Dist.	Service Area 4 Distribution System Improvement	Line or Pipe Ditches or Canals	SJV	1,177,600	195,800	1,373,400	66	Funding two out of three projects by same applicant.
103	Maxwell Irrigation Dist.	Maxwell Irrigation Dist. Conjunctive Use Project	Not WUE - Conjunctive Use / Groundwater Management	SV	545,000	95,000	640,000	59	This project would be more appropriately funded by the CALFED Conjunctive Program.
33	Merquin County Water Dist.	Pipelining of Open Canal Channels	Line or Pipe Ditches or Canals	SJV	2,063,000	0	2,063,000	47	Not cost effective. Does not specify potential CALFED benefits. No cost share or partnerships.
101	Natomas Central Mutual Water Co.	Reduction in Sacramento River Diversions	Not WUE - Conjunctive Use / Groundwater Management	SV	1,005,000	120,000	1,125,000	62	This project would be more appropriately funded by the CALFED Conjunctive Program.
115	Stevinson Water Dist.	Groundwater & Surface Water Conjunctive Use	Not WUE - Conjunctive Use / Groundwater Management	SJV	41,750	41,750	83,500	67	This project would be more appropriately funded by the CALFED Conjunctive Use Program.
56	Stevinson Water Dist.	Wetland Restoration Monitoring Project	Not WUE - Wetland resoration	SJV	70,000	330,100	400,100	57	This project would be more appropriately funded by the CALFED Ecosystem Restoration Program.

Appendix 1B. Details of Non-Funded - Agricultural Proposals										
Identifying Information					Proposed Funding			Recommended Funding		
ID Num	Applicant	Title	Category	Region	Funds Requested (\$)	Cost Share Offered (\$)	Total Cost (\$)	Score	Rationale	
1	2	3	4	5	6	7	8	9	11	
69	Stockton East Water Dist.	Water Metering	Water Measurement	SV	108,133	35,746	143,879	69	This projects is locally cost effective. Loan funding would be more appropriate.	
76	UC Davis	Water Use Efficiency Through Conservation Tillage	Research	CA	536,000	188,065	724,065	54	Funding recommended for other more highly rated research projects. Do Not Fund recommendation given by review panel.	
3	Underhill International Corp.	Auto Irrigation Control Data Stakeholder Distrib.	Research	CA	905,000	0	905,000	49	Funding recommended for other more highly rated research projects. No cost share or partnership presented.	
22	USDA/ARS, Fresno	Reduce Selenium Levels in Drainage Sediment	Research	SJV	255,538	100,000	355,538	49	Funding recommended for other more highly rated demonstration projects.	
50	Vandalia Irrigation Dist.	Vandalia ID Conjunctive Use Reservoir Project	Not WUE - Conjunctive Use / Groundwater Management	SJV	260,000	77,000	337,000	36	This project would be more appropriately funded by the CALFED Conjunctive Program. Do Not Fund recommendation given by review panel.	
20	West Stanislaus Irrigation Dist.	Expanded Mobile Irrigation Lab	Edu/Outreach/Assist	SJV	886,983	928,800	1,815,783	56	Project is similar to other mobile lab projects. Funds for these projects have been distributed for geographic and applicant diversity. Locally cost effective.	
4	West Stanislaus Irrigation Dist.	On-farm Improvement Loan Program	On-Farm Irrigation Improvements	SJV	1,000,000	0	1,000,000	45	Incomplete proposal for a district loan program. Do Not Fund recommendation given by review panel. Benefits include contribution toward QOs.	
78	Yolo County RCD	Yolo Co. Resource Mgt. Monitoring & Extension	Edu/Outreach/Assist	SC	696,604	0	696,604	61	Education/outreach funds expended.	
Totals					15,921,155	5,392,686	21,313,841			

Appendix 2A. Details of Recommended Funding - Urban Proposals

Identifying Information					Proposed Funding			Recommended Funding		
ID Num	Applicant	Title	Category	Region	Funds Requested (\$)	Cost Share Offered (\$)	Total Cost (\$)	Score	Recomm. Funding (\$)	Rationale
1	2	3	4	5	6	7	8	9	10	11
38	Alameda Co. Water Dist. (ACWD)	ACWD Schools & Water Cons. - Demonstration	Demo	SF	125,000	131,700	256,700	81	Fund in Full	Benefits include 2,240 AF of yield increasing conservation.
51	Aquacraft, Inc.	Demo. of Water Cons. in Urban Supermarkets	Demo	CA	126,000	54,000	180,000	80	Fund in Full	Benefits include educational demo of future potential and tracking of energy use.
64	Blue Planet Foundation	Expansion of the Learning to be WaterWise Prog.	Res Survey	SC	38,000	20,245	58,245	67	Fund in Full	Benefits include educational demo of future potential.
110	Calif. Water Awareness Camp'n	Public Information Program	Public Info	CA	1,000,000	350,000	1,350,000	70	Fund \$250,000	Project is scalable. Staff recommends funding only portion of project. Benefits include educational demo of future potential.
26	CalPoly State University-ITRC	Efficient Landscape Water Program	Public Info	CA	942,639	80,000	1,022,639	67	Fund \$244,000	Project is scalable. Staff recommends funding only 50% of first year tasks. Benefits include educational demo of future potential.
58	Contra Costa Water Dist.	A Straight Flush Commercial ULFT Direct Install	CII	SF	150,000	224,000	374,000	82	Fund in Full	Benefits include 803 AF of yield increasing conservation.
47	El Dorado Irrigation Dist.	ULF Toilet Rebates for Low-Income Customers	ULFT	SV	60,000	44,300	104,300	71	Fund in Full	Benefits include 181 AF of yield increasing conservation.
102	Elect. & Gas Indust. Assoc. (EGIA)	Regional High-Efficiency Washing Machine Rebate	High eff washers	NCA	1,750,875	2,654,730	4,405,605	89	Fund in Full	Benefits include 1,098 AF of yield increasing conservation.
99	Environmental Policy Center	California Water Conservation Support Network	Public Info	SC	210,000	0	210,000	70	Fund \$115,000	Economic team recommends not funding task related to developing model for water savings because it is redundant with existing program. Benefits include educational demo of future potential.
111	ExPERT, Inc.	Community Water Education and Training (WET)	Public Info	CA	3,600,000	300,000	3,900,000	78	Fund \$360,000	Project is scalable. Staff recommends funding 10% of proposed project for one year. Recommend applicant seek local cost share. Benefits include educational demo of future potential.

Appendix 2A. Details of Recommended Funding - Urban Proposals

Identifying Information					Proposed Funding			Recommended Funding		
ID Num	Applicant	Title	Category	Region	Funds Requested (\$)	Cost Share Offered (\$)	Total Cost (\$)	Score	Recomm. Funding (\$)	Rationale
1	2	3	4	5	6	7	8	9	10	11
59	Irvine Ranch Water Dist., et al.	Joint Agency X-Ray Processor Retrofit Model	CII	SC	13,698	28,000	41,698	92	Fund in Full	Benefits include 27 AF of yield increasing conservation.
108	Metropolitan Water Dist. of S. CA	Commercial Rebates - "Save Water Save A Buck"	High eff washers	SC	768,000	2,500,000	3,268,000	84	Fund \$34,000	Current project phases are funded by USBR. Requested funding is for tasks scheduled for 2002. Recommend applicant seek funds through state energy conservation program.
109	Metropolitan Water Dist. of S. CA	New Courses for Bilingual Landscape Education	Public Info	SC	100,000	50,000	150,000	79	Fund in Full	Benefits include educational demo of future potential.
96	Metropolitan Water Dist. of S. CA	High-efficiency Clothes Washer Rebates	High eff washers	SC	925,000	575,000	1,500,000	79	Fund in Full	Benefits include 2,260 AF of yield increasing conservation.
39	Muni. Water Dist. Of Orange Co.	Water Softener Pilot Prog.	Research/Feas Study	SC	100,000	257,005	357,005	65	Fund in Full	Benefits include educational demo of future potential.
71	Pacific Institute	Quantifying CII Demand Side Mgt. Potential	Research/Feas Study	CA	72,500	72,500	145,000	83	Fund in Full	Benefits include educational demo of future potential.
54	Pittsburg, City of	The Save Our Delta Surveys (SODS)	Res Survey	SF	50,000	50,000	100,000	73	Fund in Full	Benefits include educational demo of future potential and pest management information.
16	Regents of University of CA	Water-Wise Demonstration Landscape	Demo	SV	238,513	39,150	277,663	83	Fund \$92,774	Staff recommends funding applicant's "barebones budget". Benefits include educational demo of future potential.
37	Rose Bowl Operating Co., The	Brookside Golf Course Water Management Project	Large landscape	SC	182,000	274,200	456,200	62	Fund \$90,000	Funding recommended for more highly rated projects. No potential CALFED benefits, local water supply used.
7	San Diego Co. Water Authority	Voucher Incentive - Clothes Washers- Resid.	High eff washers	SC	300,000	573,500	873,500	72	Fund in Full	Benefits include 1,250 AF of yield increasing conservation, reduced energy use.
57	San Juan WD - Water Forum	Four Projects for Sacramento Area WUE	Public Info	SV	7,031,860	9,630,090	16,661,950	77	Fund \$100,000	Staff recommends offering \$100k for water efficiency training task. Project appears to be not cost effective from state-wide perspective. Benefits include 3,457 AF of yield increasing conservation, educational demo of future potential.

Appendix 2A. Details of Recommended Funding - Urban Proposals

Identifying Information					Proposed Funding			Recommended Funding		
ID Num	Applicant	Title	Category	Region	Funds Requested (\$)	Cost Share Offered (\$)	Total Cost (\$)	Score	Recomm. Funding (\$)	Rationale
1	2	3	4	5	6	7	8	9	10	11
1	Santa Barbara Co. Water Agcy.	Weather TRAK ET controller	ET controllers	SC	205,975	145,350	351,325	67	Fund \$100,000	Project is similar to other ET controller projects. Project is scalable staff recommends funding at a reduced level. Benefits include 2,910 AF of yield increasing conservation.
46	Santa Clara Valley Water Dist.	Landscape & Ag Area Measmt. & Water Budgets	Large landscape	SF	406,000	229,712	635,712	93	Fund in Full	Benefits include 5,000 AF of yield increasing conservation, improved data.
91	Southern California Water Co.	San Gabriel Vly. Indoor/Outdoor Water Sav. Survey	Res Survey	SC	5,470	38,287	43,757	65	Fund in Full	Benefits include 81 AF of yield increasing conservation.
80	Southern California Water Co.	Arden-Cordova ET Controller/Rain Shut-off Prog.	ET controllers	SV	11,875	11,875	23,750	67	Fund in Full	Benefits include 32 AF of yield increasing conservation.
89	Southern California Water Co.	LA, SE Dist. ET Controller/Rain Shut-off Prog.	ET controllers	SC	23,133	24,368	47,501	69	Fund in Full	Benefits include 63 AF of yield increasing conservation.
85	Southern California Water Co.	Claremont ET Controller/Rain Shut-off Prog.	ET controllers	SC	47,500	47,500	95,000	69	Fund \$23,750	Applicant requested partially funding of projects 79 and 85.
81	Southern California Water Co.	Los Osos ET Controller/Rain Shut-off Prog.	ET controllers	SC	23,750	23,750	47,500	69	Fund in Full	Benefits include 64 AF of yield increasing conservation.
79	Southern California Water Co.	San Dimas ET Controller/Rain Shut-off Prog.	ET controllers	SV	47,500	47,500	95,000	69	Fund \$23,750	Applicant requested partially funding of projects 79 and 85. Benefits include 127 AF of yield increasing conservation.
77	Water Education	Water Conservation and Recycling Awareness	Public Info	SV	168,675	72,918	241,593	81	Fund in Full	Benefits include educational demo of future potential.
Total					18,723,963	18,549,680	37,273,643	Recommended Funding: \$5,883,250		

Appendix 2B. Details of Non-Funded Funded - Urban Proposals

Appendix 2B. Details of Non-Funded Funded - Urban Proposals									
Identifying Information					Proposed Funding			Recommended Funding	
ID Num	Applicant	Title	Category	Region	Funds Requested (\$)	Cost Share Offered (\$)	Total Cost (\$)	Score	Rationale
1	2	3	4	5	6	7	8	9	11
61	Bear Valley Comm. Services Dist.	Part-time Cons.Specialist: Make BMP #6 Cost-Eff.	Cons coor	CO	87,000	87,000	174,000	49	Project is locally cost effective and provides no significant CALFED benefits. Funding recommended for more highly rated projects.
36	CA Parks and Recreation	Energy Production & Conservation Visitor Center	Public Info	SV	1,176,350	2,461,650	3,638,000	57	Funding recommended for more highly rated projects. Recommend applicant seek funds through state energy conservation program.
15	Cabrillo Commun. College Dist.	Athletic and Recreation Fields Water Conservation	Large landscape	SF	5,016,573	996,706	6,013,279	31	Extremely high cost (\$21,000/acre foot) and limited benefits to CALFED.
70	Calif. Water Service Co. (Cal Water)	Peninsula Rebate Program	High eff washers	SF	40,000	40,000	80,000	70	This projects is locally cost effective. Loan funding would be more appropriate for this project. Recommend applicant seek funds through state energy conservation program.
14	CalPoly State University-ITRC	Subsurface Drip Irrigation for Home Lawns	Research/Feas Study	CA	228,108	45,500	273,608	56	Funding recommended for more highly rated projects.
28	Cent. & W. Basin Muni. Water Dist.	Clothes Washer Rebate Program	High eff washers	SC	100,000	70,000	170,000	62	Funding recommended for more highly rated projects. Recommend applicant seek funds through state energy conservation program.
53	Contra Costa Water Dist.	Raw Water Facilities Improvement Program	System audit	SF	3,130,000	12,512,800	15,642,800	63	Project does not provide significant CALFED benefits.
44	CTSI Corp.	Landscape Water Budgets on the Web	Public Info	SC	215,750	0	215,750	60	Reviewers noted that costs and benefits are not clear.
43	CTSI Corp.	Resource Efficient Loans	Research/Feas Study	CA	936,125	102,500	1,038,625	66	Project is scalable. Staff recommends funding only portion of project. Benefits include educational demo of future potential.
106	Davis, City of	Metering El Macero Water Service Area of Davis	Meter/pricing	SV	178,125	178,125	356,250	74	This project is locally cost effective. Loan funding would be more appropriate for this project.

Appendix 2B. Details of Non-Funded Funded - Urban Proposals

Appendix 2B. Details of Non-Funded Funded - Urban Proposals									
Identifying Information					Proposed Funding			Recommended Funding	
ID Num	Applicant	Title	Category	Region	Funds Requested (\$)	Cost Share Offered (\$)	Total Cost (\$)	Score	Rationale
1	2	3	4	5	6	7	8	9	11
18	Fresno, City of	Retrofit, Urban Landscape and Commercial	CII	SJV	129,800	31,261	161,061	57	Funding recommended for more highly rated projects.
42	Hi-Desert Water Dist.- Yucca Valley	Yucca Valley Water Cons. (toilet, graywater, etc.)	Cons coor	CO	387,802	38,870	426,672	53	Very high cost (\$1,500/acre-foot) and a local ordinance exists for ULFT replacement. Funding recommended for more highly rated projects.
30	LA Dept. of Water & Power	Low-Flush Toilets & Clothes Washers	High eff washers	SC	415,000	1,200,000	1,615,000	59	Funding recommended for more highly rated projects. Recommend applicant seek funds through state energy conservation program.
17	Long Beach Water Dept.	Ultra Low Flush Toilet Programs	ULFT	SC	630,000	630,000	1,260,000	58	This projects is locally cost effective. Loan funding would be more appropriate for this project. Recommend applicant seek funds through state energy conservation program.
107	Metropolitan Water Dist. of S. CA	Demo: Landscape Req'mt Consistent with BMP 5	Demo	SV	500,000	50,000	550,000	64	Funding recommended for more highly rated projects. Benefits include educational demo of future potential.
97	Metropolitan Water Dist. of S. CA	Landscape Irrigation Controller Project	ET controllers	SC	547,200	352,800	900,000	71	Since this is a new technology, the team recommended funding a limited number of geographically diverse projects.
40	Muni. Water Dist. Of Orange Co.	Residential Landscape ET Controllers Pilot Prog.	ET controllers	SC	275,000	466,000	741,000	62	Since this is a new technology, the team recommended funding a limited number of geographically diverse projects.
62	Oxnard, City of	Groundwater Recovery Enhancement & Treatment	CU/GW Mgt	SC	665,000	82,860	747,860	71	This project would be more appropriately funded by the CALFED Groundwater Program.
114	Pieroni Enterprises	Eco Check Network	Demo	SC	200,000	200,000	400,000	53	Reviewers suggest that they find local partners. Funding recommended for more highly rated projects.

Appendix 2B. Details of Non-Funded Funded - Urban Proposals

Appendix 2B. Details of Non-Funded Funded - Urban Proposals									
Identifying Information					Proposed Funding			Recommended Funding	
ID Num	Applicant	Title	Category	Region	Funds Requested (\$)	Cost Share Offered (\$)	Total Cost (\$)	Score	Rationale
1	2	3	4	5	6	7	8	9	11
104	Placer County Water Agency	Water Conservation Incentives for Golf Courses	Large landscape	SV	80,000	80,000	160,000	81	This projects is locally cost effective. Loan funding would be more appropriate for this project.
112	ReWater	Graywater Reclamation Project	Demo	SC	363,600	2,535,000	2,898,600	35	Funding recommended for more highly rated projects.
8	San Diego Co. Water Authority	Voucher Incentive - Clothes Washers- Commerc.	High eff washers	SC	100,000	175,000	275,000	76	This project is locally cost effective. Loan funding would be more appropriate for this project. Recommend applicant seek funds through state energy conservation program.
9	San Diego, City of	Graywater Pilot/Research Study	Demo	SC	400,000	400,000	800,000	48	Funding recommended for more highly rated projects.
48	San Francisco Public Util. Comm.	Rainharvesting in Econ. Depressed Neighborhood	Public Info	SF	159,314	13,856	173,170	56	Reviewers considered this project overpriced. Funding recommended for more highly rated projects.
21	San Juan Capistrano, City of	Irrigation Communication System Rehab.	Large landscape	SC	110,985	12,400	123,385	51	Funding recommended for more highly rated projects.
34	San Juan Capistrano, City of	Well #5 Rehab. & Wellhead Treatment	Drinking water	SC	707,300	124,800	832,100	49	Project is not Water Use Efficiency
29	Santa Clara Valley Water Dist.	BMP Implementation and WUE Baseline Survey	CII	SF	316,443	316,443	632,886	63	Funding recommended for more highly rated projects.
65	Sierra Jr. Community College Dist.	Upgrade Hot Water Heating Loop Piping	System audit	SV	400,000	200,000	600,000	36	Funding recommended for more highly rated demonstration projects.
94	Southern California Water Co.	Barstow Indoor/Outdoor Water Sav. Survey	Res Survey	CO	1,742	15,874	17,616	62	Project is similar to other survey projects. Funds for these projects have been distributed for geographic and applicant diversity.
84	Southern California Water Co.	Bay Point ET Controller/Rain Shut-off Prog.	ET controllers	SC	993	3,757	4,750	67	Since this is a new technology, the team recommended funding a limited number of geographically diverse projects.

Appendix 2B. Details of Non-Funded Funded - Urban Proposals

Appendix 2B. Details of Non-Funded Funded - Urban Proposals									
Identifying Information					Proposed Funding			Recommended Funding	
ID Num	Applicant	Title	Category	Region	Funds Requested (\$)	Cost Share Offered (\$)	Total Cost (\$)	Score	Rationale
1	2	3	4	5	6	7	8	9	11
95	Southern California Water Co.	LA area SE Dist. Indoor/Outdoor Water Sav. Survey	Res Survey	SC	40,906	65,449	106,355	64	Project is similar to other survey projects. Funds for these projects have been distributed for geographic and applicant diversity.
92	Southern California Water Co.	LA Central Dist. Indoor/Outdoor Water Sav. Survey	Res Survey	SC	40,889	66,591	107,480	64	Project is similar to other survey projects. Funds for these projects have been distributed for geographic and applicant diversity.
82	Southern California Water Co.	Los Angeles ET Controller/Rain Shut-off Prog.	ET controllers	SC	23,750	23,750	47,500	69	Since this is a new technology, the team recommended funding a limited number of geographically diverse projects.
98	Southern California Water Co.	Meter Installation for Single-family Residences	Meter/pricing	SV	131,750	131,750	263,500	74	This project is locally cost effective. Loan funding would be more appropriate for this project.
88	Southern California Water Co.	Moreno Valley Indoor/Outdoor Water Sav. Survey	Res Survey	CO	1,146	2,292	3,438	62	Project is similar to other survey projects. Funds for these projects have been distributed for geographic and applicant diversity.
86	Southern California Water Co.	Orange County ET Controller/Rain Shut-off Prog.	ET controllers	SC	95,000	95,000	190,000	71	Since this is a new technology, the team recommended funding a limited number of geographically diverse projects.
93	Southern California Water Co.	Orange County Indoor/Outdoor Water Sav. Survey	Res Survey	SC	12,856	99,342	112,198	63	Project is similar to other survey projects. Funds for these projects have been distributed for geographic and applicant diversity.
90	Southern California Water Co.	San Dimas Indoor/Outdoor Water Sav. Survey	Res Survey	SC	7,770	53,739	61,509	62	This project is locally cost effective. Loan funding would be more appropriate for this project.
87	Southern California Water Co.	Santa Maria ET Controller/Rain Shut-off Prog.	ET controllers	SC	23,750	23,750	47,500	69	Since this is a new technology, the team recommended funding a limited number of geographically diverse projects.

Appendix 2B. Details of Non-Funded Funded - Urban Proposals

Identifying Information					Proposed Funding			Recommended Funding	
ID Num	Applicant	Title	Category	Region	Funds Requested (\$)	Cost Share Offered (\$)	Total Cost (\$)	Score	Rationale
1	2	3	4	5	6	7	8	9	11
83	Southern California Water Co.	Simi Valley ET Controller/Rain Shut-off Prog.	ET controllers	SC	71,250	71,250	142,500	69	Since this is a new technology, the team recommended funding a limited number of geographically diverse projects.
100	Southern California Water Co.	System Leak Repairs for So. CA Water Co.	System audit	SC	891,000	891,000	1,782,000	66	Prohibitively expensive, over \$7,000/acre-foot.
12	Underhill International Corp.	Irrigation & Lawn Chemical Technologies	Research/Feas Study	CA	199,000	0	199,000	30	Funding recommended for more highly rated projects.
52	Westminster Water Dept., City of	Water Reservoir Project	zStorage	SC	6,500,000	5,100,000	11,600,000	31	Project is not Water Use Efficiency
Total					25,705,952	30,120,033	55,825,985		