

Statement of Work, Section 1: Relevance and Importance

The Sierra Nevada contains 24 major watersheds which provide up to 65% of California's developed water supply. Thirteen of these watersheds supply water to the Central Valley Project which irrigates 3,000,000 acres of farmland and supplies urban uses, power generation and recreational uses in other parts of the state as well. The State Water Project, which supplies water to the San Joaquin Valley for irrigation and drinking water to the Bay Area and southern California, is built primarily on the Sierra's Feather and Kern River watersheds. Water from this conveyance system serves approximately two-thirds of California's population. In addition, 70% of California's annual water supply comes from local water projects – including water from 12 of the Sierra Nevada's 24 watersheds.¹ The implementation of coordinated water conservation measures throughout this region will aid in increasing instream flows in order to address water demands caused by the rapidly increasing population and increased environmental water needs.

The human population of the Sierra Nevada has more than doubled from 1970 to 1990. The region grew 130% during these two decades in comparison to a rate of 49% for the state and 22% for the nation as a whole.² From 1990 to 2000, 12 of the 20 counties comprising the Sierra grew at rates far exceeding the statewide average. Most of these counties are located in the foothill region of the Sierra Nevada with Nevada County projected to experience a 17% change in population over a 10-year period.³ The population of the Sierra foothill region is expected to grow 60% to 100% between 1990 and 2020 according to a report produced to assess the resource investment needs of the Sierra Nevada.⁴ To accommodate the growth occurring, land currently set aside for agriculture, grazing, private timber harvesting, open space and habitat will likely be converted to residential/commercial use. Estimates from the American Farmland Trust and the California Department of Forestry, for example, predict that between one and two million acres will be converted to urban use in the next decade.⁵

The future estimation of the amount, location, and timing of precipitation and snowmelt for California is being driven by climate change. The impacts of such change are already being documented including the reduction in overall water storage capacity to meet consumption needs during the dry season and an increase in the number and severity of major storm events such as fires, floods, and droughts. As an example of the magnitude of such change, over the past 100 years the percentage of annual runoff occurring during the period of April through July has decreased by 25% in the Sacramento region and 10% in the Southern Sierra.⁶

¹ Troubled Waters of the Sierra. California and Nevada's Threatened Water Supply. Sierra Nevada Alliance. 2003.

² *SNEP Report*, vol. II, Ch. 11, p. 245.

³ "Sierra Nevada Population Growth By County" (Source: 2000 U.S. Census), <http://quickfacts.census.gov/qfd/states/06000.html>.

⁴ *Sierra Nevada Resource Investment Needs Assessment*, [n.p.].

⁵ Wilkinson, *The Potential Consequences of Climate Variability and Change for California*, p. 6; see also original citation: Jensen, Deborah, et al. In *Our Hands: A Strategy for Conserving California's Biological Diversity* (University of California Press [n.1.], 1993).

⁶ Wilkinson, *The Potential Consequences of Climate Variability and Change for California*, p. 4-1-41.

The Sierra Nevada is expected to incur extreme results due to the change in climate. The region is already experiencing decreased spring and summer flows, making it harder to fill storage reservoirs in the spring and intensifying the already-competing demands for water to meet agriculture, industry, urban and environmental uses throughout the state. A reduction in flow from the Sierra Nevada will reduce the inflow of fresh water into the Bay-Delta, increasing the salinity of the Bay and leading to changes in water quality, circulation and basic structure of the food web. Other impacts include increased sedimentation and runoff from increasing winter rains, shifting shrublands to higher-elevation areas of the Sierra, loss of unique habitat, changing wind conditions, increasing number of thunder and lightning storms, and additional stresses on trees.⁷

The *goal* of the project is to develop a collaborative water conservation strategy and plan for Nevada County that can be implemented throughout the Sierra Nevada foothill region as a model for rapidly developing rural communities. Currently, in Nevada County, there are more housing developments being proposed than exist in Grass Valley and Nevada City combined. Water from the Bear River and Yuba River watersheds is being exported to neighboring Placer County by the Nevada Irrigation District for development in the town of Lincoln, one of the most rapidly developing communities in the region. Such growth in the past has resulted in more intensive use of land for housing, grazing, timber harvesting and recreation, ultimately leading to compacted soils, impeded water retention and increased amounts of runoff due to the increase in covered surfaces such as roads, paved driveways, parking lots, and structures.⁸ The implementation of a unified water conservation strategy and plan will provide an infrastructure for maintaining and enhancing future water efficiency and will provide more water for the growing needs of California and the Bay-Delta.

The Nevada Irrigation District was organized in 1921 under the California Irrigation District Act of 1897 as a nonprofit water agency, and operates under Division 11 of the State water code. Located on the western slope of the Sierra Nevada mountain range, the District encompasses 280,000 acres, mainly in Nevada and Placer Counties. The Nevada Irrigation District wholesales raw water to the City of Grass Valley and the City of Nevada City, and currently utilizes recycled water from both of these communities.

In 1985, the Nevada Irrigation District adopted its first Urban Water Management Plan as required by the California Legislature approved Part 2.6 of Division 6 of the California Water Code “Urban Water Management Planning Act”. The District must review this plan at least every five years and make necessary modifications based on the amendments to the planning act over the past two decades. The most recent update to the Nevada Irrigation District’s Urban Water Management Plan was in 2001 and included identifying and implementing urban water conservation practices to reduce the overall demands on their water system. While some practices are being implemented by the District, others were not investigated, such as an ultra low-flush toilet replacement program and a high

⁷ Wilkinson, *The Potential Consequences of Climate Variability and Change for California*, pp. 4-2-7 – 4-2-8

⁸ *Troubled Waters of the Sierra. California and Nevada’s Threatened Water Supply.* Sierra Nevada Alliance. 2003.

efficiency washing machine rebate program. The plan is currently up for review and additional water conservation measures need to be implemented in order to increase the water use efficiency in Nevada County and surrounding foothill region. The City of Grass Valley and the City of Nevada City have not developed an urban water management plan or water conservation plan under their jurisdictions; however, they will be responsible for submitting separate plans from the Nevada Irrigation District dependent on requirements implemented by the State. A collaborative effort between the Nevada Irrigation District, the City of Grass Valley, the City of Nevada City, and Nevada County to develop and implement a coordinated water conservation strategy and plan for the county will increase overall water efficiency and provide a model for other developing Sierra Nevada foothill communities and counties. Through the coordination of a local watershed group, the local jurisdictions will be able to maximize community participation and outreach to stakeholders.

The *objectives* for the project are to survey the Nevada Irrigation District to ascertain indoor versus outdoor residential water use, determine the local market penetration of water conservation devices, and determine Nevada County customer motivation to conserve water. Once the county-wide survey is completed, a coordinated water conservation strategy and plan will be developed for the Nevada County, based on the water conservation practices identified in the Nevada Irrigation District Urban Water Management Plan, the survey results, and the appropriate amendments to the “Urban Water Management Planning Act”, and will include the jurisdictions of the City of Grass Valley and the City of Nevada City. Education and outreach regarding water conservation measures will be provided by the Friends of Deer Creek, a local nonprofit watershed organization, and will be coordinated with existing programs established by the Nevada Irrigation District, the City of Grass Valley, the City of Nevada City, and Nevada County.

The development and implementation of a coordinated water conservation plan for Nevada County supports the goals and objectives of the CALFED Bay-Delta Water Use Efficiency Program by “preserving local flexibility-...maintaining the flexibility of implementing water use management and efficiency improvements at the local level while exploring regional programs to maximize benefits” and “using incentive-based over regulatory action...to local water users and suppliers...”. Ultimately, reducing water demand through “real water” conservation; improving water quality by altering volume, concentration, timing and location of return flows; and improving ecosystem health by increasing in-stream flows where necessary to achieve targeted benefits. The Nevada County Water Conservation Plan will serve as a demonstration project for other counties in the Sierra Nevada foothill region. Through coordination and collaboration this project will assist the California Bay-Delta Authority in achieving its goal for the Water Use Efficiency Program of *accelerating the implementation of cost-effective actions to conserve and recycle water throughout the State.*

Statement of Work, Section 2: Technical/Scientific Merit, Feasibility

In the past, drought conditions in California have impacted water systems’ ability to meet the needs of their customers. The future predictions of growth and climate change has

prompted Friends of Deer Creek to coordinate with the Nevada Irrigation District, in cooperation with the City of Nevada City, the City of Grass Valley, Yuba Watershed Council member groups, and Nevada County to assist in improving water use efficiency for Nevada County. The most effective way for a water system to improve its water use efficiency is to develop and implement a county-wide water conservation strategy and plan. Sierra Nevada potable water is a limited natural resource. The plan developed for Nevada County will be used as a model for other developing counties in the foothill region to optimize existing facilities and reduce or eliminate the need to undertake new drinking water and/or wastewater projects. The reduction in water loss attributed to the development and implementation of such plans in the Sierra Nevada will provide the Bay-Delta and California with more water to meet the increasing demands for agricultural, environmental, and urban uses.

Project Plan

Implementing the Nevada County Water Conservation Plan will require new policies and responsibilities for utilities and consumers. Successful implementation will be facilitated by broad education and public awareness.

Task 1: Project Administration.

The development of the Nevada County Water Conservation Plan and the implementation of the education and public awareness program will be administered by Friends of Deer Creek. The Nevada Irrigation District, City of Nevada City, and City of Grass Valley will serve as subcontractors, as will the private consulting firms hired to conduct the consumer survey and develop the plan.

Subtask 1.1: Develop and submit Quarterly/Monthly Progress Reports to the California Department of Water Resources.

Subtask 1.2: Contract summary form with the California Department of Water Resources.

Subtask 1.3: Complete and file list of subcontracted tasks, Good Faith Effort documents, quarterly/monthly Utilization Reports with the Department of Water Resources.

Subtask 1.4: Complete and submit subcontractor documentation with the Department of Water Resources.

Subtask 1.5: Complete and submit expenditure/invoice projections to the Department of Water Resources.

Subtask 1.6: Complete and submit all additional documents necessary for completion of funding cycle with the Department of Water Resources.

Task 2: Establish the goals of the water conservation strategy and plan that will serve as a model for developing Sierra Nevada foothill communities and counties.

Friends of Deer Creek will work cooperatively with the Nevada Irrigation District, the City of Nevada City, the City of Grass Valley, Nevada County, and other member organizations of the Yuba Watershed Council to establish a task force to develop a list of water conservation planning goals for Nevada County. These measurable goals will be used to evaluate the effectiveness of the county-wide water conservation plan once it has been implemented. The goals established for the plan will include but not be limited to water use reduction within the jurisdiction of the Nevada Irrigation District, the cities of Grass Valley and Nevada City, and Nevada County and improving drought preparedness for residents within their influence. The task force will be responsible for reviewing potential water conservation measures for Nevada County residential customers. The initial list will be broad-based. The measures to be reviewed will include, but will not be limited to, infrastructure-based measures, such as toilet and washing machine rebates and incentive programs. A stepwise screening process by the task force will be undertaken to reduce the number of initial water conservation measures to a more manageable number, and to select those measures to be studied to more detail for their effectiveness in Nevada County.

Subtask 2.1: Implement a water conservation measure screening process.

The initial goal of this process is to reduce the number of water conservation measures, with the knowledge that a well run conservation program can only focus on five to ten measure at one time. Each potential measure will be scored based on four qualitative criteria, based on a scale of 1 to 5, with 5 being the most acceptable. Measures with low scores will be eliminated from further consideration, while those with high scores will be passed to the next evaluation phase (benefit-cost analysis). The four qualitative criteria are Technology/Market Maturity, Service Area Match, Customer Acceptance/Equity, and Better Measures Available. The consolidation process will reduce the list of potential water conservation measures to be included in the Nevada County Water Conservation Plan. A benefit-cost analysis and customer survey will assist the task force in the consideration of the remaining measures.

Subtask 2.2: Conduct a benefit-cost analysis to evaluate and help select water conservation measures that are best suited to local conditions.

The purpose of conducting a benefit-cost analysis will be to identify which water conservation measures are the most cost-effective for the Nevada Irrigation District, City of Nevada City, and City of Grass Valley to pursue. The following steps will assist with this subtask:

1. Develop water use projections without additional conservation. Projections will cover each key customer category and will be broken down into indoor end uses and outdoor end uses.

2. Identify possible water conservation measures and screen the measures qualitatively to identify those that applicable to Nevada County. Develop appropriate unit water savings and cost factors for each measure.
3. Estimate the affected population for each conservation measure by multiplying the total jurisdictional population by the measure's projected population that implements the measure.
4. Estimate total annual average water savings.
5. Identify types of benefits to the Nevada Irrigation District including capital projects that could be deferred or downsized, and reduced operation and maintenance costs. Also, quantify total benefits for each year in the planning period by multiplying average water savings by the computed value of the benefits.
6. Determine initial and annual costs to implement the measures, to develop total costs for each measure.
7. Compare benefits and costs of measures by computing the present value of costs and benefits over the planning period.

Subtask 2.3: Conduct a survey directed at residential water use customers.

An independent consulting firm will be hired to conduct a survey of water use customers in Nevada County. The results from the survey will assist the task force in assessing the appropriate water conservation measures necessary for increasing water use efficiency. The survey will be developed to determine indoor versus outdoor residential water use, market penetration of water conservation devices, customer motivation to conserve water resources, and practices being implemented to date in Nevada County. The survey will be mailed to residential customers, related business associations, and governmental departments for broad outreach.

Subtask 2.4: Compare water conservation measures.

Water conservation measures for inclusion into the Nevada County Water Conservation Plan will be determined and defined as the following:

- Utility benefits and costs.
- Community benefits and costs.
- CALFED benefits.
- Water benefits.
- Costs to water district and cities.
- Customer costs.

Task 3: Conduct a water system audit to serve as a baseline measure for determining current water use in Nevada County.

The Nevada Irrigation District, City of Grass Valley, and City of Nevada City will complete an initial water system audit for the water conservation plan. The audit will be an integral component for developing the water conservation plan, serving as a baseline measure for water use in Nevada County. Subsequent annual audits will track the

progress of meeting the goals and objectives established in the water conservation plan. Data collected from the audit will include all accounted and unaccounted water. A summary of conditions that might affect the water system and conservation planning will be incorporated into the audit. These include anticipated and projected population growth, climate change, large quantities of unaccounted water, and major planned improvements in the future.

Task 4: Develop the Nevada County Water Conservation Plan.

An independent consulting firm will be hired to develop a Nevada County Water Conservation Plan. The plan will incorporate the conservation measures identified by the task force, benefit-cost analysis, and customer survey. This will be a cooperative effort between the Nevada Irrigation District, the City of Grass Valley, and the City of Nevada City to maximize water use efficiency in Nevada County. The plan will serve as a model collaborative project for other developing rural communities and counties in the Sierra Nevada foothill region.

Subtask 4.1: Determine funding sources for implementing water conservation measures included in the Nevada County Water Conservation Plan.

The process of securing funding for implementing the water conservation measures included in the Nevada County Water Conservation Plan will be the responsibility of all project partners. Three to five funding sources will be identified for implementation of the measures by the end of the funding cycle with the Water Use Efficiency Program.

Task 5: Develop and implement an Education and Public Awareness Program for residential and business customers in Nevada County.

Friends of Deer Creek will develop a coordinated education and public awareness program with the Nevada Irrigation District, the City of Grass Valley, the City of Nevada City, Nevada County, and members of the Yuba Watershed Council. The provisions for this program include:

- Raising public awareness of water supply and conservation issues among 50 percent of Nevada County's population by 2008;
- Educating the public and identified target groups in order to increase awareness and encourage behavioral changes; and
- Coordinating with existing agencies and governmental entities to maximize the visibility of the Nevada County Water Conservation Plan.

This program will be effectively implemented to educate the public, build public confidence, and change individual behaviors regarding water supply, including water conservation measures. The education and public awareness program will be coordinated with existing programs already established by the Nevada Irrigation District and Nevada County.

Subtask 5.1: Develop a Public Awareness Campaign.

A public awareness campaign regarding water conservation measures outlined in the Nevada County Water Conservation Plan will be implemented. A logo representing the plan and coordinated effort will be developed for campaign identity. All partner logos will be printed and presented on all printable materials. Public education materials will be printed in both English and Spanish. The campaign will focus and investigate implementing the following outreach strategies on the following:

1. Mass Media
2. Alternative Media
3. Promotional Items
 - a. Bill inserts and messages
 - b. Brochures, fact sheets, and other literature
 - c. Building partnerships
 - d. Educational video
 - e. Website
 - f. Portable interactive kiosk
 - g. Posters

Friends of Deer Creek will implement these strategies during this funding cycle. Additional funding sources will be identified to further increase the capacity of the public awareness campaign.

Subtask 5.2: Outreach and Education to Key Target Groups

Friends of Deer Creek will identify and target the audience to facilitate success of the Nevada County Water Conservation Plan. The critical audience is comprised of stakeholders, such as local service providers, local governments, authorities, private companies, elected officials, private business owners (such as developers), educational institutions, and the general public. Identifying and educating the stakeholders as a collective audience will help create a single voice for regional solutions, while it also provides decision-makers with the necessary information to move forward with the implementation of the Nevada County Water Conservation Plan. This will decrease the influence of local politics, while it strengthens the rationale for regional economic vitality and environmental health. Stakeholder participation in implementation of the Nevada County Water Conservation Plan will facilitate consensus and induce a sense of ownership in the process. This will lay the foundation for behavioral changes and acceptance of a regional identity, two critical components to balancing local needs with regional solutions. Two activities will be implemented to facilitate the delivery of education and outreach to key target groups, they include:

A. Information clearinghouse.

Friends of Deer Creek will establish an information clearinghouse by gathering as much outreach information as possible from other programs. This clearinghouse will act as a library for educational materials and will be catalogued through a database available on the Nevada County Water Conservation website. Friends of

Deer Creek will maintain and update the database as new materials are obtained. Project partners will be able to check the database, so as not to duplicate efforts.

B. Workshops.

The primary educational role for Friends of Deer Creek will be to deliver training to key target groups regarding water supply and water conservation measures, serving as the coordinating organization for the Nevada County Water Conservation Plan. Friends of Deer Creek will work with project partners to make this task manageable. Specific target groups will include:

- Local service providers
- Private service companies
- State agencies
- Elected officials
- Water professionals
- Business owners
- Homeowners

A total of four workshops and presentations to key target groups will be made during this funding cycle. Additional funding sources will be investigated to increase the outreach to other key target groups.

Table 2-2. Project Plan Schedule; Deliverables, Start and End Dates and Projected Costs.

Task Deliverable Item	Start Date	End Date	Projected Costs
Task 1: Project Administration			
1.1 Quarterly/Monthly Progress Reports	12/01/2005	12/01/2008	\$25,000
1.2 Contract Summary Form	06/01/2005	12/01/2005	\$5,000
1.3 List of subcontracted tasks, Good Faith Effort documents, quarterly/monthly Utilization Reports	08/01/2005	12/01/2005	\$2,500
1.4 Subcontractor Documentation	08/01/2005	12/01/2005	\$2,500
1.5 Expenditure/Invoice Projections	12/01/2005	12/01/2008	\$10,000
1.6 Additional Documentation	06/01/2005	12/01/2008	\$5,000
Task 2: Develop project goals and establish water conservation measures	12/01/2005	12/01/2006	None
2.1 Detailed list of water conservation measures for review	03/01/2006	06/01/2006	None
2.2 Benefit-cost analysis for water conservation measures.	06/01/2006	10/01/2006	\$60,000
2.3 Consumer Survey	03/01/2006	08/01/2006	\$60,500
2.4 Water Conservation Measures for plan	10/01/2006	12/01/2006	None
Task 3: Water System Audit	07/01/2006	08/01/2007	\$160,000
Task 4: Water Conservation Plan	08/01/2007	01/01/2008	\$90,000
Task 5: Education and Public Awareness Program	12/01/2005	12/01/2008	
5.1 Public Awareness Campaign A. Mass Media B. Alternative Media C. Promotional Items	03/01/2006	12/01/2008	\$90,000
5.2 Outreach and Education A. Information Clearinghouse B. Workshops (12)	05/01/2006	08/01/2008	\$70,000

Statement of Work, Section 3: Monitoring and Assessment

Friends of Deer Creek will assess the intended water conservation goals by articulating key, measurable objectives for the Nevada County Water Conservation Plan; by identifying corresponding task deliverables; and by specifying schedules for what project partners hope to achieve. The task deliverables will offer tools for Friends of Deer Creek to evaluate the project's progress towards achieving its goals and objectives.

Pre-project conditions and data baselines for the Nevada County Water Conservation Plan will be determined by the water audit conducted for the Nevada Irrigation District, the City of Grass Valley, and the City of Nevada City. Statistics regarding historical water supply and water usage will be researched and data provided in the Nevada Irrigation District Urban Water Management Plan will allow assist in establishing the water conservation goals for Nevada County and the planning project.

Consumer survey results will be incorporated into the Nevada County Water Conservation Plan. These will assist with establishing projected water conservation values for residential and business customers. The survey will aide developing water efficiency activities for Nevada County that will provide effective and attainable results for water conservation.

Once the Nevada County Water Conservation Plan is implemented, a database will be developed to track residential and business customers participating in the water efficiency activities and the data collected regarding the water savings tracked over the course of the project period. Through the education and outreach program, project success will be evaluated to the amount of promotional items distributed regarding water conservation information and the increase in participation in water efficiency activities over the project period as a result of outreach.

Quarterly reports describing the elements of the project that have been initiated and completed will be presented to the Department of Water Resources. Information regarding the Nevada County Water Conservation Plan, the results of the survey, and water efficiency activities will be provided on the website, which will be maintained and updated on a regular basis and linked to all project participant websites.

Qualifications of Applicant

Friends of Deer Creek is a local, nonprofit watershed organization involved in the conservation, preservation and restoration of the Deer Creek watershed. They are responsible for implementing a broad range of programs, such as a water quality monitoring program, tertiary wastewater treatment program, and restoration program. Friends of Deer Creek has obtained and managed numerous grants under the Proposition 204, Proposition 50, and Proposition 13. Their exceptional communication and collaboration with all stakeholders in the Deer Creek watershed will assist the organization in managing the grant awarded by the California Department of Water Resource.

Outreach, Community Involvement, Support, Opposition

The development of a unified Nevada County Water Conservation Plan has received widespread support. The current needs of the local governments and county agencies involved will be addressed with the implementation of the project as required under California state laws. There is no known opposition to instituting a unified water conservation plan for Nevada County. Customers in the area receive power from the Pacific Gas and Electric Company system. The company has existing incentive programs for customers regarding energy efficient appliances. Any rebate programs developed will be coordinated with the Pacific Gas and Electric Company's program for maximum impact.

A Nevada County Water Conservation Plan website will be established to disseminate information to stakeholders. All documentation regarding this project, the information clearinghouse, and promotional items will be housed on this website. Links to the website via project partner websites will be made.

Innovation

The collaborative approach taken to develop the Nevada County Water Conservation Plan and implement the education and public awareness program can serve as a model for other rapidly developing rural Sierra Nevada foothill communities and counties. As a model, the project incorporates the coordination between a local watershed organization with local cities and county governing agencies to devise a unified plan for water conservation on a region-wide landscape. Developing the Nevada County Water Conservation Plan implements the necessities required under state law by water agencies and local governments while involving a collaborative effort between multiple stakeholders to increase water efficiency without requiring a large staff from any one participant to carry out the tasks outlined. The educational and public awareness program implemented through this project will seek to provide outreach to the community in an innovative manner in order to maximize participation in implementing the water conservation measures identified for the Nevada County Conservation Plan.

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

(d) Specify other: _____

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

- (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

Friends of Deer Creek

4. Project Title:

Increasing Water Efficiency in the Sierra Nevada – A Collaborative Water Conservation Planning Project for Developing Foothill Communities and Counties

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

Name, title

Joanne Hild, Executive Director

Mailing address

132 Main Street

Nevada City, CA 95959

Telephone

530-265-6090

Fax.

530-265-6090

E-mail

jshild@sbcglobal.net

6. Contact person (if different):

Name, title.	Same as above
Mailing address.

Telephone
Fax.
E-mail

7. Grant funds requested (dollar amount): **\$512,500**
(from Table C-1, column VI)

8. Applicant funds pledged (dollar amount): \$78,000

9. Total project costs (dollar amount): **\$638,500**
(from Table C-1, column IV, row n)

10. Percent of State share requested (%): **89%**
(from Table C-1)

11. Percent of local share as match (%): **11%**
(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.

.....

12. Duration of project (month/year to month/year): **12/01/2005 to 12/01/2008**

13. State Assembly District where the project is to be conducted:	03
14. State Senate District where the project is to be conducted:	01
15. Congressional district(s) where the project is to be conducted:	2nd
16. County where the project is to be conducted:	Nevada County
17. Location of project (longitude and latitude)	39° 8' N 121° 36' W
18. How many service connections in your service area (urban)?	38,000
19. How many acre-feet of water per year does your agency serve?	336,200

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, _____ median household income

(b) no

**APPENDIX C
PROJECT IMPLEMENTATION COSTS TABLE**

APPLICANT: Friends of Deer Creek

Project Title: Increasing Water Efficiency in the Sierra Nevada—A Collaborative Water Conservation Planning Project for Developing Foothill Communities and Counties

If using the excel tables on DWR website, complete shaded areas only.

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

	Category	Project Costs \$	Contingency % (ex. 5 or 10)	Project Cost + Contingency \$	Applicant Share \$	State Share \$	Life of investment (Years)	Capital Recovery Factor (Table C-4)	Annualized costs \$
	(I)	(II)	(III)	(IV)	(V)	(VI)	(VII)	(VIII)	(IX)
	Administration (for initiation of project)								
	Salaries, wages	210,000	21,000	231,000	20,000	190,000			
	Fringe benefits	20,000	2,000	22,000	10,000	10,000			
	Supplies	38,000	3,800	41,800	8,000	30,000			
	Equipment	25,000	2,500	27,500	10,000	15,000			
	Consulting services	200,000	20,000	220,000		200,000			
	Travel								
	Other								
(a)	Total Administration Costs ¹	50,000	5,000	55,000		50,000			
(b)	Planning/Design/Engineering	30,000	3,000	33,000	20,000	10,000			
(c)	Equipment Purchases/Rentals/Rebates/Vouchers								
(d)	Materials/Installation/Implementation								
(e)	Implementation Verification								
(f)	Project Legal/License Fees								
(g)	Monitoring and Assessment	5,000	500	5,500	2,500	2,500			
(h)	Report Preparation	2,500	250	2,750	1,000	1,500			
(i)	Structures								
(j)	Land Purchase/Easement								
(k)	Environmental Compliance/Mitigation/Enhancement								
(l)	Construction								
(m)	Other (Specify)								
(n)	TOTAL (=a+...+m)	580,500	58,050	638,500	71,500	509,000	NA	NA	
(o)	Cost Share Percentage	NA	NA	NA	11%	89%	NA	NA	NA