

Tahoe Sierra IRWM

Project Template

Please provide information in the tables below:

I. Project Proponent Information

Agency/ Organization	Town of Truckee
Name of Primary Contact	Becky Bucar
Name of Secondary Contact	JoAnn Anders
Mailing Address	10183 Truckee Airport Road, Truckee, CA 96161
E-mail	bbucar@townoftruckee.com
Phone (###)###-####	530-582-2932
Other Cooperating Agencies/Organizations/Stakeholders	Truckee River Watershed Council, Placer County, Lahontan Regional Water Quality Control Board
Is your agency/organization committed to the project through completion? If not, please explain	Yes

II. General Project Information

Project Title	West River Street Revitalization	
Project Category	<input type="checkbox"/> Water Supply/Wastewater <input checked="" type="checkbox"/> Restoration <input checked="" type="checkbox"/> Storm Water/Flood Control	
Project Description (Briefly describe the project, in 300 words or less)	<p>This two-part project includes 1) the development of a the West River Street Parkway park providing recreational components and interpretive enhancements in Historic Downtown Truckee 2) overall revitalization of the Truckee River Corridor in Downtown Truckee. The park, located directly on the Truckee River, will include recreational components such as riverfront trail, plazas, picnic and barbeque areas, outdoor amphitheater, and shaded seating areas and will offer direct public access to the Truckee River on a site owned by the Town of Truckee. The Revitalization Project will revitalize underutilized lands, abate environmental degradation and redevelop the community's neglected waterfront consistent with the 2005 Truckee Downtown River Revitalization Strategy plan.</p>	
Project Prioritization:	Total number of projects submitted by your Agency:	8
	Agency Prioritization of this project (e.g., 3 of 5)	6
Does this project contribute to a larger Project (e.g., TMDL, EIP, Phase 2 of 3) ? If so provide description.	<p>Yes, the project will include BMP retrofits that will reduce overall sediment levels in Truckee River, thereby working to attain TMDL goals.</p>	

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Political Support – List related MOUs, agreements or TACs currently in place.	Stormwater Citizens Advisory Committee
Project Location:	
Latitude:	39.32549
Longitude:	-120.18760
Project Location Description (e.g., along the south bank of stream/river between river miles or miles from Towns/intersection and/or address):	Along the south side of West River Street, East River Street and the north and south banks of the Truckee River.

III. Plan Objectives Addressed

For each of the objectives addressed by the project, provide a one to two sentence description of how the project contributes to attaining the objective and how the project will be quantified. If the project does not address any of the draft IRWM plan objectives, provide a one to two sentence description of how the project relates to a challenge or opportunity of the Region (see the bottom of page 4).

Objectives:	Will the project address the objective?	Brief explanation of project linkage to selected Objective	Quantification (e.g. acres of streams/wetlands restored or enhanced)
WQ1 - Meet approved TMDL standards in accordance with the attainment date, and participate in the development of future TMDLs.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A	Project includes the implementation of BMPs and LIDs. Reducing pollutant loads to the Truckee River is a requirement of the Phase 2 MS4 permit for Truckee and the TMDL requirements that are included in the permit. In addition to sediment, the proposed BMPs would also provide pollutant load reduction for other pollutants of concern, such as heavy metals and oil and grease	Available monitoring data along the Truckee River can be evaluated before and after the project.

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Objectives:	Will the project address the objective?	Brief explanation of project linkage to selected Objective	Quantification (e.g. acres of streams/wetlands restored or enhanced)
WQ2 – Reduce pollutant loads by implementing measures such as stormwater LID retrofits, erosion control/restoration to meet Water Quality Objectives (WQOs) for receiving water bodies established in the Basin Plan within the planning horizon.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A	The project will install BMPs and LID retrofits to improve water quality and help meet WQOs of the Middle Truckee River.	Pre and post water quality monitoring data, square feet of LID improvements.
WQ3 - Implement water quality monitoring programs through planning horizon, and coordinate annually throughout the Region.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A		Water quality monitoring may be part of the project.
WQ4 - Ensure that drinking water supplied by public water systems continues to meet Federal and State standards.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A		
WQ5 - Restore degraded streams, wetlands, riparian and upland areas to re-establish natural water filtering processes.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A	Implementation of the project BMPs and LID improvements helps improve the Truckee River watershed by reducing sediment loads and other pollutants related to sediment. Implementation of LID improvements restores the natural filtering processes of the watershed. In addition, the project will include restoration of the riparian areas along the Truckee River.	Square feet of LID improvements and restored areas.
WQ6 -Operate and maintain, build, or replace infrastructure for reliable collection, treatment and disposal of wastewater.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A		
WS1 - Provide water supply to meet projected demands for a 20-year planning horizon.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A		

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Objectives:	Will the project address the objective?	Brief explanation of project linkage to selected Objective	Quantification (e.g. acres of streams/wetlands restored or enhanced)
WS2 - Operate and maintain, build, or replace infrastructure to reliably supply water.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A		
WS3 - Implement and promote water conservation measures and practices to meet state goals.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A	Square feet of LID improvements and restored areas.	Percent survival rate of vegetation.
GWM1 - Maintain and monitor groundwater supply to assure future reliability.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A		
GWM2 - Promote groundwater protection activities for high quality groundwater, and advocate for improvements to impacted groundwater quality through public education.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A		
GWM3 - Manage groundwater for multiple uses (e.g. municipal/industrial/agricultural supply and environmental use).	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A		
ER1 - Enhance and restore water bodies, wetlands, riparian areas and associated uplands to support healthy watersheds, viable native fish, wildlife and plant habitats.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A	Project will install LID and erosion control, which will improve water quality of the adjacent Truckee River, thereby improve the ecosystems within and adjacent to the river.	Square feet of LID improvements.
ER2 - Develop and implement programs to prevent the spread of existing invasive species and colonization of potential future invasive species.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A	All revegetation work will require invasive weed management.	Number of invasive weeds removed.
ER3 - Implement, in coordination with public and private landowners, activities to manage forest health and wildfire risks.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A		

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Objectives:	Will the project address the objective?	Brief explanation of project linkage to selected Objective	Quantification (e.g. acres of streams/wetlands restored or enhanced)
ER4 - Minimize ecosystem impacts caused by existing and new development.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A	The redevelopment will replace existing degraded development along the Truckee River with development that improves the quality of wildlife and fishery habitat in the Truckee River and its tributaries as well as maintaining and protecting the ecological function of the river.	Acreage of redeveloped land.
IWM1 - Conduct local and regional water-related planning activities within the planning horizon as supported by current and future watershed science.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A	Effectiveness and success of the projects will supported by post water quality monitoring data.	Pre and post water quality monitoring data.
IWM2 - Ensure collaboration among multiple jurisdictions within the Region for information exchange.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A	The redevelopment along the Truckee will require collaboration between Placer County, Town of Truckee, and Truckee River Watershed Council.	Number of meetings.
IWM3 - Increase public education and awareness of watershed functions, protection and restoration needs to encourage stewardship by the public.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A	The park project will include interpretive signs and improved access to the Truckee River. Public education may include hands-on projects that schools can help with and publicly available data.	Number of attendees and participants at the functions.
IWM4 - Promote activities that reduce flood risk.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A	Implementation of the projects increases the natural function of the watershed through infiltration, thereby reducing peak flow and providing additional water storage.	Addition pervious surface created.

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Objectives:	Will the project address the objective?	Brief explanation of project linkage to selected Objective	Quantification (e.g. acres of streams/wetlands restored or enhanced)
IWM5 - Address climate change (e.g. water quality, water supply, groundwater recharge, flood management) in local and regional planning efforts and support efforts to continue improving the science.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A	Water quality, groundwater recharge, and flood management are all improved with the project implementation and improved watershed function through the use of BMPs and LID improvements.	Square feet of LID, square feet of restored riparian areas, area of additional pervious surfaces.
IWM6 - Monitor water storage, release and exchange activities in order to improve coordination with regional planning.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A		

If no objectives are addressed; describe how the project relates to a challenge or opportunity of the Region:

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Project Impacts and Benefits

Please provide a summary of the expected project benefits and impacts in the table below or check N/A if not applicable; **do not leave a blank cell.**

If applicable describe benefits or impacts of the project with respect to:		
a. Native American Tribal Community considerations.	<input type="checkbox"/> N/A	The Truckee River terminates in Pyramid Lake, located within the Pyramid Lake Paiute Tribe Reservation. Reductions in sediment loads benefit this community and the fisheries they depend on including Lahontan Cutthroat Trout.
b. Disadvantaged Community considerations¹.	<input checked="" type="checkbox"/> N/A	
c. Environmental Justice ² considerations.	<input checked="" type="checkbox"/> N/A	
d. Assist the Region in adapting to effects of climate change³.	<input type="checkbox"/> N/A	Data collected helps identify trends in water quality due to rainfall, erosion, flooding or other events.
e. Generation or reduction of greenhouse gas emissions (e.g. green technology).	<input type="checkbox"/> N/A	BMP retrofits will include LID practices.
f. Other expected impacts or benefits that are not already mentioned elsewhere.	<input checked="" type="checkbox"/> N/A	

1. A Disadvantaged Community is defined as a community with an annual median household (MHI) income that is less than 80 percent of the Statewide annual MHI. A map has been provided with the Project Template Instruction for reference.

2. Environmental Justice is defined as the fair treatment of people of all races, cultures, and incomes with respect to the development, adoption, implementation and enforcement of environmental laws, regulations and policies. An example of environmental justice benefit would be to improve conditions (e.g. water supply, flooding, sanitation) in an area of racial minorities

3. Climate change effects are likely to include increased flooding, extended drought, and associated secondary effects such as increased wildfire risk, erosion, and sedimentation.

IV. Resource Management Strategies (RMS)

For each resource management strategy employed by the project, provide a one to two sentence description in the table below of how the project incorporates the strategy. A description of the Resource Management Strategies can be found in Volume 2 of the 2009 California Water Plan here:

<http://www.waterplan.water.ca.gov/cwpu2009/index.cfm>

Resource Management Strategy	Will the Project incorporate RMS?	Description, of how RMS to be employed if applicable
Reduce Water Demand		
Agricultural Water Use Efficiency	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Urban Water Use Efficiency	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Revegetation efforts will require

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Resource Management Strategy	Will the Project incorporate RMS?	Description, of how RMS to be employed if applicable
		drought resistant native plants.
Improve Operational Efficiency and Transfers		
Conveyance - Regional / local	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
System Reoperation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Water Transfers	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Increase Water Supply		
Conjunctive Management & Groundwater	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Desalination	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Precipitation Enhancement	X No	
Recycled Municipal Water	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Surface Storage -- Regional / Local	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Improve Water Quality		
Drinking Water Treatment and Distribution	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Surface water sources are improved by the implementation of BMPs and LID treatments that treat stormwater runoff.
Groundwater and Aquifer Remediation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Matching Water Quality to Use	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Surface water sources are improved by the implementation of BMPs and LID treatments that treat stormwater runoff.
Pollution Prevention	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Surface water sources are improved by the implementation of BMPs and LID treatments that treat stormwater runoff.
Salt and Salinity Management	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Surface water sources are improved by the implementation of BMPs and LID treatments that treat stormwater runoff.
Urban Runoff Management	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Surface water sources are improved by the implementation of BMPs and LID treatments that treat stormwater runoff.
Practice Resources Stewardship		
Agricultural Lands Stewardship	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Economic Incentives (Loans, Grants, and Water Pricing)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	May include incentives for redevelopment.
Ecosystem Restoration	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Surface water sources are improved by the implementation of

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Resource Management Strategy	Will the Project incorporate RMS?	Description, of how RMS to be employed if applicable
		BMPs and LID treatments that treat stormwater runoff.
Forest Management	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Land Use Planning and Management	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Water monitoring data helps make decisions on project improvement locations and types. Data collected from pre and post projects helps direct future improvements and improve upon standard designs.
Recharge Areas Protection	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Surface water sources are improved by the implementation of BMPs and LID treatments that treat stormwater runoff.
Water-dependent Recreation	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Surface water sources are improved by the implementation of BMPs and LID treatments that treat stormwater runoff.
Watershed Management	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Surface water sources are improved by the implementation of BMPs and LID treatments that treat stormwater runoff.
Improve Flood Management		
Flood Risk Management	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	BMP and LID implementation improves watershed infiltration, treatment and storage, which helps manage flood risk.

Note: The following RMS have been omitted from the list: Conveyance-Delta and Surface Storage – CALFED.

Other RMS addressed and explanation:

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V. Project Cost and Financing - Please provide any estimates of project cost, sources of funding, and operation and maintenance costs, as well as, the source of the project cost in the table below.

a. Project Costs	Requested Grant Amount	Cost Share: Non-State Fund Source (Local/Federal Funding Match)	Cost Share: Other State Fund Source	Total Cost
1. Capital (2013 Dollars)	7200000	\$2,125,000 OR <input type="checkbox"/> DAC	13000000	22325000
2. Annual Operations and Maintenance (O&M)		100000	0	100000
b. Can the Project be phased?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
1. If so provide cost breakdown by phase(s)	Project Cost	O&M Cost	Description of Phase	
Phase 1	2325000	10000	West River Street Parkway Development	
Phase 2	1000000	5000	Initial Incentive or Loan Program	
Phase 3	19000000	85000	All other development	
Phase 4				
c. List secured source(s) of funding for Project cost		Source(s)	Amount	
d. List proposed source(s) of unsecured funding and certainty of the sources for Project cost.		Development Impact Fees, General Fund, Private Developer Funding		
e. Explain how operation and maintenance costs will be financed for the 25-year planning period for project implementation (not grant funded).		General Fund through on-going operations costs for Public Works personnel.		
f. Basis for project cost¹ (e.g. conceptual, planning, bid, etc.)		Planning Costs. West River Street parkway costs are based on itemized cost estimate. Other costs are conceptual and reflect order of magnitude costs only.		
g. Has a Cost/Benefit analysis been completed?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
h. Please describe what impact there may be if the project is not funded. (300 words or less)		Truckee river will continue to flow through degraded area in Downtown Truckee.		

1. For the grant application a detailed project cost estimate will need to be provided with the following cost categories; per the IRWM PSP for Round 2, Implementation Grants: Direct Project Administration, Land Purchase/Easement, Planning/Design/Engineering/Environmental Documentation, Construction/Implementation, Environmental Compliance/Mitigation/Enhancement, Construction Administration, Other Costs, and Construction/Implementation Contingency.

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VI. Project Status and Schedule -Please provide a status of the project, level of completion as well as a description of the activities planned for each project stage. If unknown enter **TBD**.

Project Stage	Check the Current Project Stage	Completed?	Description of Activities in Each Project Stage	Planned/Actual Start Date (mm/yr)	Planned/Actual Completion Date (mm/yr)
a. Assessment and Evaluation	x	xYes <input type="checkbox"/> No <input type="checkbox"/> N/A	Truckee Downtown River Revitalization Strategy completed in 2005. Conceptual Plan for West River Street Parkway completed in 2011.	1/1/2005	12/1/2011
b. Final Design	<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No xN/A			
c. Environmental Documentation (CEQA/NEPA)	<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No xN/A			
d. Permitting	<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No xN/A			
e. Construction Contracting	<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No xN/A			
f. Construction Implementation	<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No xN/A			

Provide explanation if more than one project stage is checked as current status	
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VIII. Project Technical Feasibility

Please provide any related documents (date, title, author, and page numbers) that describe and confirm the technical feasibility of the project.

<p>a. List the adopted planning documents the proposed project is consistent with or supported by (e.g. General Plans, UWMPs, GWMPs, Water Master Plans, Habitat Conservation Plans, TMDLs, Basin Plans, etc.)</p>	<p>Middle Truckee River TMDL, NPDES Phase 2 General Permit, Town of Truckee General Plan</p>
<p>b. List technical reports and studies supporting the feasibility of this project</p>	<p>2005 Truckee Downtown River Revitalization Strategy</p>
<p>c. Concisely describe the scientific basis (e.g. how much research has been conducted) of the proposed project in 300 words or less.</p>	<p>Significant research exists indicating that BMP and LID improvements treat and retain stormwater. The project is in the conceptual stages and the scientific data will be developed as the designs develop.</p>
<p>d. Does the project implement green technology (e.g. alternate forms of energy, recycled materials, LID techniques, etc.)</p>	<p>xYes <input type="checkbox"/> No <input type="checkbox"/> N/A</p>
<p>1. If so please describe</p>	<p>LID and BMPs.</p>
<p>e. If you are an Urban Water Supplier¹:</p>	
<p>1. Have you completed an Urban Water Management Plan and submitted to DWR?</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No xN/A</p>
<p>2. Are you in compliance with AB1420?</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No xN/A</p>
<p>3. Do you comply with the water meter requirements (CWC §525)</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No xN/A</p>
<p>4. If the answer to any of the questions above is “no”, do you intend to comply prior to receiving project funding</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No xN/A</p> <p>Provide Explanation if necessary:</p>
<p>f. If you are an Agricultural Water Supplier²:</p>	
<p>1. Have you completed and submitted an AWMP (due 12/31/12)?</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No xN/A</p>
<p>2. If not, will you complete and submit an AWMP prior to receiving project funding?</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No xN/A</p> <p>Provide Explanation if necessary:</p>
<p>g. If the project is related to groundwater:</p>	
<p>1. Has a GWMP been completed and submitted for the</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No xN/A</p>

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subject basin?	
2. If not will a GWMP be completed within 1 year of the grant submittal date?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A

1. Urban Water Supplier is defined as a supplier, either publicly or privately owned, providing water for municipal purposes either directly or indirectly to more than 3,000 customers or supplying more than 3,000 acre-feet of water annually.

2. Agricultural Water Supplier is defined as a water supplier, either publicly or privately owned, providing water to 10,000 or more irrigated acres, excluding the acreage that receives recycled water.