

## **UPPER FEATHER RIVER IRWM**

# **PROJECT INFORMATION FORM**

Please submit by 5:00 p.m. on August 3, 2015, to UFR.contact@gmail.com

Please provide information in the tables below:

#### I. PROJECT PROPONENT INFORMATION

Agency / Organization	Plumas Unified School District		
Name of Primary Contact	Rob Wade		
Name of Secondary Contact	Jennifer Ayres		
Mailing Address	1484 East Main Street, Quincy CA 95971		
E-mail	rwade@pcoe.k12.ca.us		
Phone	(530) 283-6500 x 5257		
Other Cooperating Agencies / Organizations / Stakeholders	Plumas Corporation, Feather River College, Plumas National Forest, Quincy Community Services District, Chester Community Services District, Indian Valley Community Services District, City of Portola, California Department of Water Resources, Plumas County Fish & Game Commission, California Department of Fish & Wildlife, Army Corps of Engineers – Bay Model,		
Is your agency/organization committed to the project through completion? If not, please explain	Yes		

#### II. GENERAL PROJECT INFORMATION

Project Title	FMW-9: Watershed Education
Project Category	Agricultural Land Stewardship
	Floodplains/Meadows/Waterbodies
	☐ Municipal Services
	☐ Tribal Advisory Committee
	☐ Uplands/Forest
Project Description	The Watercourse: Plumas to Pacific is an integrated, year-long course of study that uses the Feather River and its tributaries

(Briefly describe the project, to teach concepts in life science, earth science, social studies, and mathematics. Building upon established elements of the in 300 words or less) sixth grade curriculum, students examine the influences of mining, logging, ranching/farming in the region, as well as water uses for transportation, recreation, wildlife/fisheries, hydroelectric power, commerce, and municipal/domestic purposes. The Watercourse: Plumas to Pacific consists of two main sections. The first part of the journey begins at home and is focused on the immediate watersheds of each school and community situated at various points adjacent to and within the Plumas National Forest. The second phase follows the river as it leaves each community and explores the people and places it affects as it flows to the Pacific Ocean. Each year nearly 200 students from four schools (Chester, Greenville, Quincy and Portola) participate in the series of adventures, with over 160 sixth graders and another 30 plus high school students serving as mentors and counselors. Many teachers, parents, community groups, and resource professionals also participate in portions of The Watercourse. Plumas Corporation had successfully secured funding for the coordination of The Watercourse for the last ten years. A Program Coordinator conducts the necessary planning, curricular research, scheduling field trips and guest speakers, and class instruction in conjunction with each sixth grade teacher. The studies are directly correlated to the California Content Standards for Science, Social Science, Mathematics, and Reading, Grade 6. **Project Location Description (e.g.,** Literally follow the following watercourse/tributaries from the headwaters of each to the Pacific Ocean along the south bank of stream/river between river miles or miles from Middle Fork Feather River Towns/intersection and/or address): Spanish Creek Watershed Wolf Creek Watershed North Fork Feather River Latitude: Various Longitude: Various

#### III. APPLICABLE IRWM 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 outcomes will be quantified. If the project does not address *any* of the IRWM plan objectives, provide a one to two sentence description of how the project relates to a challenge or opportunity of the Region.

			Quantification
	Will the		(e.g. acres of
	project		streams/wetlands
Upper Feather River IRWM	address the	Brief explanation of project	restored or
Objectives:	objective?	linkage to selected Objective	enhanced)
Restore natural hydrologic functions.	Yes		
	□ N/A		
Reduce potential for catastrophic wildland fires in the Region.	Yes		
	□ N/A		
Build communication and collaboration among water resources stakeholders in the Region.	☐ Yes		
	□ N/A		
Work with DWR to develop strategies and actions for the management, operation, and control of SWP facilities in the	☐ Yes		
Upper Feather River Watershed in order to increase water supply, recreational, and environmental benefits to the Region.	□ N/A		
Encourage municipal service providers to participate in regional water management actions that improve water supply and water quality.	Yes		
	□ N/A		

			Quantification
Upper Feather River IRWM Objectives:	Will the project address the objective?	Brief explanation of project linkage to selected Objective	(e.g. acres of streams/wetlands restored or enhanced)
Continue to actively engage in FERC relicensing of hydroelectric facilities in the Region.	Yes		
	□ N/A		
Address economic challenges of municipal service providers to serve customers.	Yes		
	□ N/A		
Protect, restore, and enhance the quality of surface and groundwater resources for all beneficial uses, consistent with	☐ Yes		
the RWQC Basin Plan.			
Address water resources and wastewater needs of DACs and Native Americans.	Yes		
	□ N/A		
Coordinate management of recharge areas and protect groundwater resources.	Yes		
	□ N/A		
Improve coordination of land use and water resources planning.	Yes		
	□ N/A		
Maximize agricultural, environmental and municipal water use efficiency.	Yes		
	□ N/A		
Effectively address climate change adaptation and/or mitigation in water resources	Yes		

		I	watersned Education
			Quantification
Upper Feather River IRWM Objectives:	Will the project address the objective?	Brief explanation of project linkage to selected Objective	(e.g. acres of streams/wetlands restored or enhanced)
management.	□ N/A		
Improve efficiency and reliability of water supply and other water-related infrastructure.	☐ Yes		
Enhance public awareness and understanding of water management issues and needs.	Yes N/A	All sixth grade students in the Plumas Unified School District spend the entire year studying the Upper Feather River Watershed and the many ways that their FR water is used locally and as it relates to the entire state of California. Understanding water quality and quantity challenges are core program outcomes as the students engage in cost/benefit analysis for all activities occurring from the Plumas to Pacific. This results in an informed citizenry for the rising generation of stewards.	160 sixth grade students and 30 high school students participate annually. Over 2000 students have participated to date with many choosing related careers.
Address economic challenges of agricultural producers.	☐ Yes		
Work with counties/ communities/groups to make sure staff capacity exists for actual administration and implementation of grant funding.	☐ Yes☐ N/A		

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

Please note that the curriculum addresses the majority of the Upper Feather River IRWM objectives:

- Watershed stewardship
- Hydrologic Function
- Wildfire impacts to watershed
- Hydroelectricity generation in UFR
- Municipal and domestic use and efficiency
- DWR and SWP relationship to Upper Feather River and state
- Groundwater and surface water stewardship
- Agricultural use of Feather River locally and in the state

#### IV. 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 no leave a blank cell.** Note that DWR encourages multi-benefit projects.

If applicable, describe benefits or impacts of the project with respect to:				
a. Native American Tribal Communities	□ N/A	Serving all students in Plumas County it directly serves all 6 <sup>th</sup> graders enrolled on the PUSD. Indian Valley Elementary School specifically represents the largest Maidu population served. This program serves these native youth and also integrates TEK into the curriculum.		
b. Disadvantaged Communities <sup>1</sup>	□ N/A	The children from locally disadvantaged communities (socio economic, etc.) are enrolled in the PUSD and so are served by this program. It inadvertently reaches the families of participating students each year.		
c. Environmental Justice <sup>2</sup>	□ N/A	Disproportionate access to water resources is addressed both locally in the curriculum but also during the Plumas to Pacific trip where students encounter EJ concerns as they relate to water quality access, recreational access, health impacts of mercury concentration in bodies of water and food chains from historic mining activities, storm water and waste water impacts.		
d. Drought Preparedness	□ N/A	Water conservation is directly addressed from the headwaters homeland to the Pacific Ocean. Students investigate the impacts of the drought on		

		municipal/domestic, agricultural and wildlife/environmental uses. Monitoring water use at home and school throughout the year, students are uniquely prepared to understand and adjust their activities and those of the community.	
e. Assist the region in adapting to effects of climate change <sup>3</sup>	■ N/A		
f. Generation or reduction of greenhouse gas emissions (e.g. green technology)	■ N/A		
g. Other expected impacts or benefits that are not already mentioned elsewhere	□ N/A	The Feather River Watercourse: Plumas to Pacific program uses education, stewardship and recreation to inspire this next generation of citizens.  Understanding and loving the Upper Feather River equally develops a caring capacity that is critical for taking care of the region. The recreational aspects of this relationship are important for the economy and creating lifelong connections for all.	
<sup>1</sup> 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. DWR's DAC mapping is available on the UFR website ( <a href="http://featherriver.org/maps/">http://featherriver.org/maps/</a> ). <sup>2</sup> 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. <sup>3</sup> Climate change effects are likely to include increased flooding, extended drought, and associated secondary effects such as increased wildfire risk, erosion, and sedimentation.			

DWR encourages multiple benefit projects which address one or more of the following elements (PRC §75026(a). Indicate which elements are addressed by your project.

а.	Water supply reliability, water conservation, water use efficiency	■ Yes ■ N/A	g.	Drinking water treatment and distribution	Yes N/A
b.	Stormwater capture, storage, clean- up, treatment, management	Yes N/A	h.	Watershed protection and management	Yes N/A
C.	Removal of invasive non-native species, creation/enhancement of	☐ Yes	i.	Contaminant and salt removal through reclamation/desalting,	Yes

	wetlands, acquisition/protection/restoration of open space and watershed lands	■ N/A	other treatment technologies and conveyance of recycled water for distribution to users
d.	Non-point source pollution reduction, management and monitoring	Yes N/A	j. Planning and implementation of multipurpose flood management programs
e.	Groundwater recharge and management projects	Yes N/A	k. Ecosystem and fisheries restoration and protection    N/A
f.	Water banking, exchange, reclamation, and improvement of water quality	Yes N/A	

#### V. RESOURCE MANAGEMENT STRATEGIES

For each resource management strategy (RMS) 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 RMS can be found in Volume 2 of the 2013 California Water Plan (<a href="http://featherriver.org/2013-california-water-plan-update/">http://featherriver.org/2013-california-water-plan-update/</a>).

Resource Management Strategy	Will the Project incorporate RMS?	Description of how RMS to be employed,
Reduce Water Demand		
Agricultural Water Use Efficiency	☐ Yes ■ No	
Urban water use efficiency	☐ Yes ■ No	
Improve Flood Management		
Flood management	☐ Yes ☐ No	
Improve Operational Efficiency and Ti	ransfers	
Conveyance – regional/local	☐ Yes ☐ No	
System reoperation	☐ Yes ☐ No	
Water transfers	☐ Yes ■ No	
Increase Water Supply		
Conjunctive management	☐ Yes ☐ No	
Precipitation Enhancement	☐ Yes ☐ No	
Municipal recycled water	☐ Yes ■ No	
Surface storage – regional/local	☐ Yes ■ No	
Improve Water Quality		

Resource Management Strategy	Will the Project incorporate RMS?	Description of how RMS to be employed, if applicable
Drinking water treatment and distribution	☐ Yes ■ No	
Groundwater remediation/aquifer remediation	☐ Yes ■ No	
Matching water quality to water use	☐ Yes ■ No	
Pollution prevention	☐ Yes ■ No	
Salt and salinity management	☐ Yes ■ No	
Urban storm water runoff management	☐ Yes ■ No	
Practice Resource Stewardship		
Agricultural land stewardship	☐ Yes ■ No	
Ecosystem restoration	☐ Yes ■ No	
Forest management	☐ Yes ■ No	
Land use planning and management	☐ Yes ■ No	
Recharge area protection	☐ Yes ■ No	
Sediment management	☐ Yes ■ No	
Watershed management	Yes No	Provide regionally appropriate, regular, and dependable educational materials and programs to encourage water conservation, water reuse, and water pollution prevention. Materials have been developed and are integrated with the curriculum each year.
People and Water		
Economic incentives	☐ Yes ■ No	
Outreach and engagement	■ Yes □ No	Within regions, water managements should collaborate on outreach campaigns for clarity of message and to better utilize stakeholders' time. Program collaborates with multiple partners to communicate watershed education at the K-12 public education level.
Water and culture	■ Yes □ No	Educate children about how watersheds function. Watersheds are catchments for water and culture. Students learn 7 primary cultural/societal uses of Feather River water; how and why diversions are made and the related cost/benefit analysis. Add the hydrologic cycle to the California education standard. Every student should learn the hydrologic

Resource Management Strategy	Will the Project incorporate RMS?	Description of how RMS to be employed, if applicable
		cycle from headwater to ocean, as well as the impacts and dependency people have on water.
Water-dependent recreation	■ Yes □ No	In developing water-dependent recreation opportunities, agencies should consider the needs of the public and low-income communities, and increased population and diversity as identified in planning documents such as the <i>California Outdoor Recreation Plan</i> updates. Program provides water sports activity for all students in partnership with Feather River College.
Wastewater/NPDES	☐ Yes ☐ No	
Other RMS addressed and explanation	n:	

#### **VI. 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.

		PROJECT BUDG	ET		
	oject serves a need of a DAC?: Yes anding Match Waiver request?: Yes	■ No ■ No			
	Category	Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost
a.	Direct Project Administration	\$5,000	Watch		\$5,000
b.	Land Purchase/Easement				
c.	Planning/Design/Engineering / Environmental				
d.	Construction/Implementation				
e.	Environmental Compliance/ Mitigation/Enhancement				
f.	Construction Administration				
g.	Other Costs	\$43,000	\$69,196	\$19,500	\$131,696
h.	Construction/Implementation Contingency				
i.	Grand Total (Sum rows (a) through (h) for each column)	\$48,000	\$69,196	\$19,500	\$136,696
j.	Can the Project be phased?  Yes	☐ No If yes, p	rovide cost breakd	own by phases	

		Duoinst Cast	00 M Coot	Possibilities of Phase
		Project Cost	O&M Cost	Description of Phase
	Phase 1	24,000		Year One
	Phase 2	24,000		Year Two
	Phase 3			
	Phase 4			
k.	Explain how operation and maintenan financed for the 20-year planning period implementation (not grant funded).			
I.	Has a Cost/Benefit analysis been comp	oleted?	■ Yes □ No	*Formal Program Evaluation
m.	Describe what impact there may be if not funded (300 words or less)	the project is	regionally for 12 diversified hower coordinating the obligation each yrequested here.  We seek to find faligned. We believed alignment with organization and structures. Pluopportunity to grare being exceptive related to waters. Feather River Walf the project is inforward as we always a lifetime. Parenthelps to support continue. Other	years. The funding is highly ver the core costs of program remain as a funding rear. These are the costs being funding sources that are ideally eve the IRWM has mission our outcomes of watershed ewardship. The Feather River amas to Pacific is a critical arantee that all of our youth ionally educated in issues shed management in the Upper atershed.  ot funded we will find a way ways do. The commitment to shigh at every school and in y. The 6 <sup>th</sup> grade year is ears and then reflected upon for tal commitment for fundraising many of our costs and that will funding sources are also being ovide the highest likelihood of

\*List all sources of funding.

- Plumas County Fish & Game Commission
- Feather River College TRiO
- Local Rotary Clubs
- Local fundraising (bake/candy/mandarin/cookie dough sales, concession booths, yard sales, various business donations, restaurant FR Water donation jars)
- Parental Donations

Note: See Project Development Manual, Exhibit B, for assistance in completing this table (<a href="http://featherriver.org/documents/">http://featherriver.org/documents/</a>).

#### VIII. 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**.

	Check the Current Project		Description of Activities in Each	Planned/ Actual Start	Planned/ Actual Completion
Project Stage	Stage	Completed?	Project Stage	Date (mm/yr)	Date (mm/yr)
a. Assessment and		Yes	Annual evaluation is		
Evaluation		□ No	conducted		
		□ N/A			
b. Final Design		Yes	Program Design is		
	-	□ No	complete		
		□ N/A			
c. Environmental		☐ Yes	N/A		
Documentation		□ No			
(CEQA / NEPA)		□ N/A			
d. Permitting		Yes	N/A		
		□ No			
		□ N/A			
e. Construction		☐ Yes	N/A		
Contracting		□ No			
		□ N/A			
f. Construction		Yes	N/A		
Implementation		□ No			
		■ N/A			
Provide explanation					
stage is checked as c	urrent status	3			

#### IX. PROJECT TECHNICAL FEASIBILITY

Please provide any related documents (date, title, author, and page numbers) that describe and confirm the technical feasibility of the project. See <a href="www.featherriver.org/catalog/index.php">www.featherriver.org/catalog/index.php</a> for documents gathered on the UFR Region.

a.	List the adopted planning documents the proposed project is consistent with or supported by (e.g. General Plans, UWMPs, GWMPs, Water Master Plan, Habitat Conservation Plans, TMDLs, Basin Plans, etc.).	N/A
b.	List technical reports and studies supporting the feasibility of this project.	http://www.seer.org/pages/research/Emekauwa2004.pdf http://www.seer.org/pages/research/Bartosh2003.pdf http://www.seer.org/pages/research/BaySchools2004.pdf http://www.seer.org/pages/research/AIROutdoorSchool2005.pdf http://www.seer.org/pages/research/CSAPII2005.pdf http://www.seer.org/pages/research/CSAP2000.pdf http://www.seer.org/pages/research/NEETFEBE2000.pdf http://www.seer.org/pages/research/Southcarolinafalco2004.pdf http://www.seer.org/pages/research/PEEC%202005.pdf http://www.seer.org/pages/research/PEEC%202004.pdf http://www.seer.org/pages/research/PEEC%202004.pdf
c.	Concisely describe the scientific basis (e.g. how much research has been conducted) of the proposed project in 300 words or less.	In educational pedagogy (study of children) student learning that is based upon real world inquiry and hands on experiences is shown to increase their understanding of concepts and principles. When the environment specifically is used as an integrating context for learning, additional benefits have been shown to occur.  • Higher scores on standardized measures of academic achievement in reading, writing, math, science, and social studies; • Reduced discipline and classroom management problems; • Increased student engagement and enthusiasm for learning; and, • Greater pride and ownership in students' accomplishments. In addition to educational benefits there are stewardship benefits. Stewardship is a relationship that is developed over time through long-term interactions and direct experience. The resulting connection (attachment theory) and understanding create the potential for lifetime commitments to environmental stewardship. Please refer to studies listed above for more specific data.

d.	Does the project implement green technology (e.g. alternate forms of energy, recycled materials, LID techniques, etc.).	Yes No N/A  If yes, please describe.  Related sustainable activities tied to wise use of water resources are integrated into the curriculum. Recycling education is part of this.
e.	Are you an Urban Water Supplier <sup>1</sup> ?	*My students would say yes because the Upper Feather River does
f.	Are you are an Agricultural Water Supplier <sup>2</sup> ?	■ Yes ■ No ■ N/A  *My students would say yes because the Upper Feather River does
g.	Is the project related to groundwater?	■ Yes ■ No ■ N/A  If yes, please indicate which groundwater basin.  Educationally related

<sup>&</sup>lt;sup>1</sup> 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.

<sup>&</sup>lt;sup>2</sup> 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.

# Climate Change – Project Assessment Checklist

This climate change project assessment tool allows project applicants and the planning team to assess project consistency with Proposition 84 plan standards and RWMG plan assessment standards. The tool is a written checklist that asks GHG emissions and adaptation/resiliency questions.

Name of project: <u>FMW-9: Watershed Education</u>
Project applicant: <u>Plumas Unified School District</u>

GHG Emissions Assessment
Project Construction Emissions (If you check any of the boxes, please see the attached worksheet)
<ul> <li>□ The project requires nonroad or off-road engines, equipment, or vehicles to complete.</li> <li>□ The project requires materials to be transported to the project site.</li> <li>□ The project requires workers to commute to the project site.</li> <li>□ The project is expected to generate GHG emissions for other reasons.</li> <li>□ The project does not have a construction phase and/or is not expected to generate GHG emissions during the construction phase.</li> </ul>
Operating Emissions (If you check any of the boxes, please see the attached worksheet)
☐ The project requires energy to operate.
The project will generate electricity.
☐ The project will proactively manage forests to reduce wildfire risk.
The project will affect wetland acreage.
The project will include new trees.
Project operations are expected to generate or reduce GHG emissions for other reasons

Upper Feather River Integrated Regional Water Management Plan Climate Change- Project Assessment Tool

Adaptation & Resiliency Assessment
Water Supply Describe how the project makes the watershed (more/less) resilient to one or more of the following high priority water supply vulnerability issues:
<ul> <li>Not applicable</li> <li></li></ul>
Water supply issues are part of the curriculum. The physical resource is not impacted but the related culture is enhanced by increasing understanding of watershed and related stewardship.
Water Demand  Describe how the project makes the watershed (more/less) resilient to one or more of the following high priority water demand
vulnerability issues:  ☐ Not applicable ☐ Increasing seasonal water use variability ☐ Unmet in-stream flow requirements ☐ Climate-sensitive crops ☐ Groundwater drought resiliency ☐ Water curtailment effectiveness

Water Quality  Describe how the project makes the watershed (more/less) resilient to one or more of the following high priority water quality vulnerability issues:
☐ Not applicable
☐ Increasing catastrophic wildfires
Eutrophication (excessive nutrient pollution in a waterbody, often followed by algae blooms and other related water quality issues)
$oxed{\boxtimes}$ Seasonal low flows and limited abilities for waterbodies to assimilate pollution
Water treatment facility operations
Unmet beneficial uses (municipal and domestic water supply, water contact recreation, cold freshwater habitat, spawning habitat, wildlife habitat, etc.)
Water quality issues are part of the curriculum. The physical resource is not impacted but the related culture is enhanced by increasing understanding of watershed and related stewardship.
Flooding Describe how the project makes the watershed (more/less) resilient to one or more of the following high priority flooding vulnerability issues:
Not applicable
Aging critical flood protection
Wildfires
Critical infrastructure in a floodplain
☐ Insufficient flood control facilities
Flooding is part of the curriculum. The physical resource is not impacted but the related culture is enhanced by increasing understanding of watershed and related stewardship.
Ecosystem and Habitat  Describe how the project makes the watershed (more/less) resilient to one or more of the following high priority ecosystem and habitat vulnerability issues:
☐ Not applicable
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Upper Feather River Integrated Regional Water Management Plan
Climate Change- Project Assessment Tool  Climate-sensitive fauna or flora
Recreation and economic activity
Quantified environmental flow requirements
Erosion and sedimentation
Endangered or threatened species
Fragmented habitat
These issues are part of the curriculum. The physical resource is not impacted but the related culture is enhanced by increasing
understanding of watershed and related stewardship.
Hydropower
Describe how the project makes the watershed (more/less) resilient to one or more of the following high priority hydropower
vulnerability issues:
☐ Not applicable
Reduced hydropower output
Hydropower is part of the curriculum. The physical resource is not impacted but the related culture is enhanced by increasing understanding of watershed and related stewardship.

# Upper Feather River IRWMP Project Assessment - GHG Emissions Analysis

### FMW-9: Watershed Education

GHG Emissions Analysis	
<b>Project Construction Emissio</b>	n

	Maximum	nes, equipment, or vel		
	Number Per	Total 8-Hour Days in		
Type of Equipment	Day	Operation	Total MTCO₂e	
			(	0
			(	0
			(	0
			(	0
			(	0
				0
				0
				0
				0
		Total Emissions		<u>o</u>
		Total Lillissions	'	<u> </u>
Total Number of Round Trips	Average Trip Distance (Miles)	Total MTCO₂e		
		0		
t requires workers to	commute to th	ne project site. If yes:		_
A Ni	Tatal Niversia	Average Round Trip		
Average Number of Workers	Total Number of Workdays	Distance Traveled (Miles)	Total MTCO₂e	
or workers	or workdays	(wines)	_	0
			<u>'</u>	<b>-</b>
t is expected to gene	erate GHG emiss	sions for other reasons	. If yes, explain:	
. 0			, , ,	

# Upper Feather River IRWMP Project Assessment - GHG Emissions Analysis

# FMW-9: Watershed Education **Project Operating Emissions** The project requires energy to operate. If yes: **Annual Energy Needed** Unit Total MTCO<sub>2</sub>e kWh (Electricity) Therm (Natural Gas) 0 The project will generate electricity. If yes: Annual kWh Generated Total MTCO<sub>2</sub>e 0 \*A negative value indicates GHG reductions The project will proactively manage forests to reduce wildfire risk. If yes: Acres Protected from Wildfire Total MTCO₂e 0 \*A negative value indicates GHG reductions The project will affect wetland acreage. If yes: Acres of Protected Wetlands Total MTCO₂e \*A negative value indicates GHG reductions The project will include new trees. If yes: Acres of Trees Planted Total MTCO<sub>2</sub>e \*A negative value indicates GHG reductions Project operations are expected to generate or reduce GHG emissions for other reasons. If yes, explain: Project may generate minor GHG emissions when students are transported to various locations. **GHG Emissions Summary**

Construction and development will generate approximately:

In a given year, operation of the project will result in:

0 MTCO<sub>2</sub>e 0 MTCO<sub>2</sub>e