

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	W.M. Beaty & Associates
Name of Primary Contact	Ryan Hilburn
Name of Secondary Contact	
Mailing Address	P.O. Box 1714
E-mail	ryanh@wmbeaty.com
Phone	(530) 257-7191
Other Cooperating Agencies /	Lassen County Fire Safe Council
Organizations / Stakeholders	
Is your agency/organization	Yes
committed to the project through	
completion? If not, please explain	

II. GENERAL PROJECT INFORMATION

Project Title	UF-8: Goodrich Creek Biomass
Project Category	☐ Agricultural Land Stewardship
	☐ Floodplains/Meadows/Waterbodies
	☐ Municipal Services
	☐ Tribal Advisory Committee
	☑ Uplands/Forest
Project Description	The project would provide for biomass harvesting to be
(Briefly describe the project,	conducted on approximately 2,800 acres of private forestland
in 300 words or less)	that is adjacent to a recently funded pond and plug project on
	tributaries that flow into Goodrich Creek. The pond and plug
	project is designed to restore approximately 125 acres of
	upland meadow to its original hydrologic condition allowing
	for increased natural water storage. This project will be
	designed to enhance this work by reducing the density of
	small understory trees, which will reduce the amount of
	evapotranspiration and canopy interception providing for
	increased infiltration into the soil. The expected increase in
	groundwater will also help to increase stream flow in the area.
	An additional result of the biomass harvest will be the
	reduction of fuel loads in the area. This will help to mitigate

	the risk of catastrophic wildfire which can lead to significant decreases in water quality.
Project Location Description (e.g.,	The project is located in the upper portions of the Goodrich
along the south bank of stream/river	Creek Watershed on the lower slopes of Pegleg Mountain.
between river miles or miles from	Goodrich Creek is the main tributary to Mountain Meadows
Towns/intersection and/or address):	Reservoir.
Latitude:	40° 22′ 10″ North
Longitude:	120° 56′ 42″ West

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.

	Will the		Quantification
	project		(e.g. acres of
	address		streams/wetlands
Upper Feather River IRWM	the	Brief explanation of project	restored or
Objectives:	objective?	linkage to selected Objective	enhanced)
Restore natural hydrologic	⊠ Yes	The biomass harvest will	2800 acres treated.
functions.		restore the forest to densities	
	□ N/A	similar to what was found prior	
		to fire suppression activities.	
		These decreased densities will	
		result in a decrease in	
		evapotranspiration and	
		interception resulting in a	
		hydrologic function similar to	
		historic hydrologic functions.	
Reduce potential for	⊠ Yes	This project will remove ladder	2800 acres treated.
catastrophic wildland fires in		fuels and reduce continuity in	
the Region.	□ N/A	the canopy. This will reduce	
		the risk of catastrophic fire in	
		the watershed.	
Build communication and	☐ Yes		
collaboration among water			
resources stakeholders in the	⊠ N/A		
Region.			
Work with DWR to develop	☐ Yes		
strategies and actions for the			
management, operation, and	⊠ N/A		
control of SWP facilities in the			
Upper Feather River			
Watershed in order to increase			
water supply, recreational, and			
environmental benefits to the			

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	Will the		Quantification
	project		(e.g. acres of
	address		streams/wetlands
Upper Feather River IRWM	the	Brief explanation of project	restored or
Objectives:	objective?	linkage to selected Objective	enhanced)
Region.			
Encourage municipal service	⊠ Yes	The project could be a	2800 acres treated
providers to participate in		demonstration for the use of	
regional water management	□ N/A	sound forest management as a	
actions that improve water		tool to provide for increased	
supply and water quality.		water supply and improved	
		water quality.	
Continue to actively engage in	☐ Yes		
FERC relicensing of			
hydroelectric facilities in the	⊠ N/A		
Region.	,		
Address economic challenges	☐ Yes		
of municipal service providers			
to serve customers.	⊠ N/A		
	_ ,		
Protect, restore, and enhance	⊠ Yes	All timber harvest projects are	2800 acres treated
the quality of surface and		conducted under a Waiver of	
groundwater resources for all	□ N/A	Waste Discharge issued by the	
beneficial uses, consistent with	,,	RWQCB and as such are	
the RWQC Basin Plan.		consistent with the basin plan.	
Address water resources and	□ Yes		
wastewater needs of DACs and			
Native Americans.	⊠ N/A		
Coordinate management of	□ Yes		
recharge areas and protect	□ 1es		
groundwater resources.	NI/A		
	⊠ N/A		
Improve coordination of land	☐ Yes		
use and water resources			
planning.	⊠ N/A		
Maximize agricultural,	☐ Yes		
environmental and municipal			
water use efficiency.	⊠ N/A		
Effectively address climate	☐ Yes		
change adaptation and/or			
mitigation in water resources	⊠ N/A		
management.			
Improve efficiency and	☐ Yes		
reliability of water supply and			
other water-related	⊠ N/A		
infrastructure.	·		
Enhance public awareness and	☐ Yes		
understanding of water			
management issues and needs.	⊠ N/A		
		l	l

Upper Feather River IRWM 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)
Address economic challenges of agricultural producers.	☐ Yes	minage to selected objective	cimanecay
	⊠ N/A		
Work with counties/ communities/groups to make	☐ Yes		
sure staff capacity exists for actual administration and implementation of grant funding.	⊠ N/A		

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

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 applicab	le, describe benefits or impacts of the	project wi	ith respect to:
a. Native	e American Tribal Communities	⊠ N/A	
b. Disad	vantaged Communities ¹	□ N/A	The project is located in close proximity to the town of Westwood.
c. Enviro	onmental Justice ²	⊠ N/A	
d. Droug	tht Preparedness	⊠ N/A	
	the region in adapting to effects of te change ³	□ N/A	The project will reduce the risk of catastrophic wildfire.
	ration or reduction of greenhouse missions (e.g. green technology)	□ N/A	This project when considered in regards to the reduced risk of wildfire will result in a net reduction of greenhouse gas emissions.
_	expected impacts or benefits that ot already mentioned elsewhere	⊠ N/A	

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.

a.	Water supply reliability, water	☐ Yes	g.	Drinking water treatment and		Yes
	conservation, water use efficiency	⊠ N/A		distribution	\boxtimes	N/A
b.	Stormwater capture, storage, clean-	☐ Yes	h.	Watershed protection and	\boxtimes	Yes
	up, treatment, management	⊠ N/A		management		N/A
c.	Removal of invasive non-native	⊠ Yes	i.	Contaminant and salt removal		Yes
	species, creation/enhancement of	□ N/A		through reclamation/desalting,	\boxtimes	N/A
	wetlands,			other treatment technologies		
	acquisition/protection/restoration			and conveyance of recycled		
	of open space and watershed lands			water for distribution to users		
d.	Non-point source pollution	☐ Yes	j.	Planning and implementation of		Yes
	reduction, management and	⊠ N/A		multipurpose flood	\boxtimes	N/A
	monitoring			management programs		
e.	Groundwater recharge and	☐ Yes	k.	Ecosystem and fisheries	\boxtimes	Yes
	management projects	⊠ N/A		restoration and protection		N/A
f.	Water banking, exchange,	☐ Yes				
	reclamation, and improvement of	⊠ N/A				
	water quality					

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 (http://featherriver.org/2013-california-water-plan-update/).

Resource Management Strategy	Will the Project incorporate RMS?	Description of how RMS to be employed, if applicable
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 T	ransfers	
Conveyance – regional/local	☐ Yes ⊠ No	
System reoperation	☐ Yes ⊠ No	

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. DWR's DAC mapping is available on the UFR website (http://featherriver.org/maps/).

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.

	Will the Project	
Resource Management Strategy	incorporate RMS?	Description of how RMS to be employed, if applicable
Water transfers	☐ Yes ⊠ No	п аррпсавіе
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		
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	Fuels reduction; reduction in catastrophic fire potential and resultant pollution impacts
Salt and salinity management	☐ Yes ⊠ No	·
Urban storm water runoff	DV N-	
management	☐ Yes ⊠ No	
Practice Resource Stewardship		
Agricultural land stewardship	☐ Yes ⊠ No	
Ecosystem restoration	⊠ Yes □ No	Biomass harvest will aid in the restoration of the ecosystem to a condition similar to those found prior to current fire suppression practices.
Forest management	⊠ Yes □ No	The biomass harvest will target those trees that are suppressed and most susceptible to insects and disease. This will help to promote a healthy forest.
Land use planning and	☐ Yes ⊠ No	
management		
Recharge area protection	⊠ Yes □ No	Biomass harvest will aid in the restoration of the ecosystem to a condition similar to those found prior to current fire suppression practices, thereby improving recharge area functionality.
Sediment management	☐ Yes ⊠ No	
Watershed management	⊠ Yes □ No	Project is designed to reduce hazardous fuel profiles, reduce risk of high severity stand-replacing fire, and improve forest conditions within the watershed
People and Water		
Economic incentives	☐ Yes ⊠ No	
Outreach and engagement	☐ Yes ⊠ No	
Water and culture	☐ Yes ⊠ No	

	Will the Project incorporate	Description of how RMS to be employed,			
Resource Management Strategy	RMS?	if applicable			
Water-dependent recreation	☐ Yes ⊠ No				
Wastewater/NPDES	☐ Yes ⊠ No				
Other RMS addressed and explanation:					

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 BUDGET						
	oject serves a need of a DAC?: ⊠ Yes onding Match Waiver request?: □ Yes						
	Cost Share: Non-State Cost Share: Requested Fund Source* Other State Grant (Funding Fund Category Amount Match) Source* Total Cost						
a.	Direct Project Administration	\$5,000					
b.	Land Purchase/Easement	0					
c.	Planning/Design/Engineering / Environmental	\$1,200					
d.	Construction/Implementation	\$700,000					
e.	Environmental Compliance/ Mitigation/Enhancement	0					
f.	Construction Administration	\$9,400					
g.	Other Costs						
h.	Construction/Implementation Contingency						
i.	Grand Total (Sum rows (a) through (h) for each column)	\$715,600					
j.	Can the Project be phased? ⊠ Yes	☐ No If yes , pr	ovide cost breakd	own by phases			
		Project Cost	O&M Cost	Description of Phase			
	Phase 1	\$178,900		Treatment of approximately 700 acres.			
	Phase 2	\$178,900		Treatment of approximately 700 acres.			
	Phase 3	\$178,900		Treatment of approximately 700 acres.			

	Phase 4	\$178,900		Treatment of approximately	
				700 acres.	
k.	Explain how operation and maintenar	ice costs will be	The forested are	a will be maintained by the	
	financed for the 20-year planning period for project		landowner through periodic biomass and timber		
	implementation (not grant funded).		harvests.		
I.	Has a Cost/Benefit analysis been comp	pleted?	☐ Yes ☒ No		
m.	Describe what impact there may be if	the project is	The timber stands in the watershed will remain		
	not funded (300 words or less)		in an overstocked condition with fuel levels that		
			are conducive to catastrophic wildfire. A		
			catastrophic wildfire in this area would result in		
			significant adverse impacts to water quality.		
*List all sources of funding.					
No	Note: See Project Development Manual, Exhibit B, for assistance in completing this table				
(<u>ht</u>	(http://featherriver.org/documents/).				

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**.

Project Stage	Check the Current Project Stage	Complete	Description of Activities in Each ed? Project Stage	Planned/ Actual Start Date (mm/yr)	Planned/ Actual Completion Date (mm/yr)
a. Assessment and Evaluation					-
		□ N/A			
b. Final Design	×	✓ Yes☐ No☐ N/A			
c. Environmental Documentation (CEQA / NEPA)		☐ Yes ⊠ No □ N/A	Completion of appropriate biological and archaeological surveys.	1/16	5/16
d. Permitting		☐ Yes ⊠ No ☐ N/A	Preparation of appropriate harvest documents for submittal to CAL FIRE.	5/16	5/16
e. Construction Contracting		☐ Yes ⊠ No □ N/A	Prepare bid package for contractors and develop an agreement with a purchaser.	6/16	6/16
f. Construction Implementation		☐ Yes☒ No☐ N/A	Conduct biomass harvest.	6/16	9/16

Provide explanation if more than one project
stage is checked as current status

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 www.featherriver.org/catalog/index.php for documents gathered on the UFR Region.

а.	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.).	
b.	List technical reports and studies supporting the	Bales et al 2011. Forests and Water in
	feasibility of this project.	the Sierra Nevada. SWEEP,
		Sierra Nevada Research Institute
		Report 11.1
		Biswell H and J Agee, 1989. Prescribed
		Burning in California Wildlands
		Vegetation Management. Univ.
		of California Press.
		Bohm, B., 2008. Canopy interception in
		a coniferous forest in eastern
		Plumas County, California. Final
		Technical Summary Report.
		Prepared for Brian Morris,
		Plumas County Flood Control
		and Water Conservation
		District. Plumas Geo-Hydrology,
		July 28, 2008.
		Bosch, J.M. and Hewlett, J.D., 1982. A
		review of catchment
		experiments to determine the
		effect of vegetation changes on
		water yield and
		evapotranspiration. J. of
		Hydrology, 103: 323-333.
		Dunne, T. and Leopold, L.B., 1978,
		Water in environmental
		planning. W.H. Freeman and
		Company. New York. 814 pages.
		Miralles et al. 2010. EOS, Vol. 91, No.
		43, page 404, 26 Oct., 2010. Pruitt, W.O., Freres, E., Snyder, R.L.,
		1987, Reference
		Evapotranspiration (ETo) for
		California. Agricultural
		Experiment Station, University
		of California. Bulletin 1922.
<u> </u>		or Camornia. Bulletin 1922.

		Sahin V and M J Hall, 1996. The effects			
		of afforestation and			
		deforestation on water yields.			
		Journal of Hydrology 178 (1996)			
		293-309.			
		Troendle et al 2007 Impacts of			
		Vegetation Management on			
		Water Yield. The Herger-			
		Feinstein Quincy Library Group			
		Project			
_	Concisely describe the scientific basis (e.g. how much	As shown above numerous studies have			
c.	research has been conducted) of the proposed project in	been conducted that show that a			
	300 words or less.	reduction in forest canopy results in			
	500 Words or less.	reduced interception which increases			
		groundwater recharge and streamflow.			
d.	Does the project implement green technology (e.g.				
u.	alternate forms of energy, recycled materials, LID	If yes, please describe.			
	techniques, etc.).	The harvest will result in the production			
	teciniques, etc.).	of wood chips which will be transported			
		to a local co-generation plant where it			
		will be burned to generate power.			
		will be burried to generate power.			
e.	Are you an Urban Water Supplier ¹ ?	☐ Yes ☒ No ☐ N/A			
f.	Are you are an Agricultural Water Supplier ² ?	☐ Yes ☒ No ☐ N/A			
g.	Is the project related to groundwater?	☐ Yes ☒ No ☐ N/A			
	, , , , , , , , , , , , , , , , , , ,	If yes, please indicate which			
		groundwater basin.			
¹ U	rban Water Supplier is defined as a supplier, either publicly				
	inicipal purposes either directly or indirectly to more than 3,				
	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.				

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>UF-8: Goodrich Creek Biomass</u>

Project applicant: W. M. Beatty and Associates

GHG Emissions Assessment

Project Construction Emissions (If you check any of the boxes, please see the attached worksheet)
The project requires nonroad or off-road engines, equipment, or vehicles to complete.
 □ The project requires materials to be transported to the project site. □ The project requires workers to commute to the project site. □ The project is expected to generate GHG emissions for other reasons. □ The project does not have a construction phase and/or is not expected to generate GHG emissions during the construction phase.
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.

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:
☐ Not applicable
Reduced snowmelt
□ Unmet local water needs (drought)
Increased invasive species
More resilient by improving available soil moisture for surrounding trees, and by enhancing recharge to
groundwater aquifers.
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
More resilient by creating more availability of groundwater to feed nearby streams and by reducing
water stress for water dependent vegetation.
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
☐ Not applicable ☐ Increasing catastrophic wildfires
Eutrophication (excessive nutrient pollution in a waterbody, often followed by algae blooms and
other related water quality issues)
Seasonal low flows and limited abilities for waterbodies to assimilate pollution

Upper Feather River Integrated Regional Water Management Plan

Climate Change- Project Assessment Checklist

Climate Change- Project Assessment Checklist
Water treatment facility operations
Unmet beneficial uses (municipal and domestic water supply, water contact recreation, cold
freshwater habitat, spawning habitat, wildlife habitat, etc.)
More resilient by reductions in catastrophic wildfires and associated reductions in severely burned soils and erosion related impairments to water quality. And more resilient through Increased seasonal low flows to nearby streams and aquifers from reducing fire-prone conifer densities. Reduced forest densities in turn, reduce evapotranspiration competition and water stress levels for retained mature vegetation, including streamside vegetation, during the growing season. And more resilient by making more water available for beneficial uses through enhanced stormwater infiltration and groundwater recharge to forest soils and aquifers during the dormant season. Cold freshwater spawning habitat and wildlife habitat is enhanced by stream cooling in the summer that results from higher inputs of shallow groundwater to nearby streams and through enhanced shading and temperature moderation by well-watered streamside vegetation.
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
More resilient through less risk of "fire, flood, and mud" effects to downslope water bodies from large areas of severely burned forest stands and soils.
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
Climate-sensitive fauna or flora

Upper Feather IRWMP | 2016 UPDATE

Climate Change- Project Assessment Tool
 □ Recreation and economic activity □ Quantified environmental flow requirements □ Erosion and sedimentation □ Endangered or threatened species □ Fragmented habitat
More resilient from less erosion and sedimentation caused by severe wildfires. More resilient to habitat fragmentation by wildfire that is so severe and extensive that large acreages of mature forest habitats are converted into non-forest conditions, thereby reducing habitat availability and habitat connectivity for the iconic fish and wildlife species that are dependent on connected mosaics of mature forest habitats.
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
May be applicable where fuels reduction projects at a landscape scale are effective in enhancing measureable summer flows in hydropower source watersheds (e.g. the North Fork Feather River that drains to Pulga, or in the watersheds draining to Lake Oroville on the Middle Fork of the Feather River below Sierra Valley.

Upper Feather River IRWMP Project Assessment - GHG Emissions Analysis

Type of Equipment	Number Per	T . 10.11 D .	
Type of Fauinment		Total 8-Hour Days in	
Type of Equipment	Day	Operation	Total MTCO₂e
Rubber Tired Loaders	2	280	226
Excavators	1	280	122
Excavators	1	280	122
Other Construction			
Equipment	1	280	23
			0
			0
			0
			0
			0
			0
		Total Emissions	494
ct requires biomass n Total Number of Round Trips	naterials to be tr Average Trip Distance (Miles)	ansported outside of total MTCO $_2$ e	
Total Number of	Average Trip Distance	ansported outside of t	
Total Number of Round Trips 2,300	Average Trip Distance (Miles) 50	ansported outside of t Total MTCO ₂ e	he UFR watershed.
Total Number of Round Trips 2,300 et requires workers find Average Number	Average Trip Distance (Miles) 50 rom outside of the	Total MTCO ₂ e 177 ne UFR watershed. If y Average Round Trip Distance Traveled	he UFR watershed.
Total Number of Round Trips 2,300 et requires workers find Average Number	Average Trip Distance (Miles) 50 Tom outside of the Total Number	Total MTCO ₂ e 177 ne UFR watershed. If y Average Round Trip Distance Traveled	he UFR watershed. es:

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The project does not have a construction phase and/or is not expected to generate GHG emissions during the

construction phase.

Upper Feather River IRWMP Project Assessment - GHG Emissions Analysis

UF-8: Goodrich Creek Biomass

Project Op	perating Emissions			
The projec	ct requires energy to operate. If yes:			_
	Annual Energy Needed	Unit	Total MTCO ₂ e	\neg
		kWh (Electricity)		0
		Therm (Natural Gas)		0
	-	_	_	_
The projec	ct will generate electricity. If yes:	•	٦	
	Annual kWh Generated	Total MTCO₂e		
		0		
	*A negative value indicates GHG red	Juctions		
	······································	9 16		
X The projec	ct will proactively manage forests to r		yes:	
	Acres Protected from Wildfire	Total MTCO₂e	_	
	2,800	·	_	
	*A negative value indicates GHG red	Juctions		
The projec	ct will affect wetland acreage. If yes:	T	٦	
	Acres of Protected Wetlands	Total MTCO₂e	_	
		0	_	
	*A negative value indicates GHG red	Juctions		
				
The projec	ct will include new trees. If yes:		٦	
	Acres of Trees Planted	Total MTCO₂e	_	
		0	_	
	*A negative value indicates GHG red	Juctions		
	sions Summary			
Constructi	ion and development will generate ap	proximately:		670 MTCO₂e
In a given	year, operation of the project will res	sult in:	-17,6	640 MTCO₂e

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