



# **NORTH COAST RESOURCE PARTNERSHIP**

**2014 IRWM Drought Project Grant Application**

**ATTACHMENT 5:**

**Budget Summary**

**Integrated Regional Water Management Program  
Applicant: Humboldt County**

## North Coast Resource Partnership 2014 IRWM Drought Project Grant

### Attachment 5. Budget Summary

#### Project Budget Summary

##### City of Rio Dell, Rio Dell and Scotia Community Service District Emergency Water Intertie Project

Budget Justification: The City's contract City Engineer, GHD, recently bid an intertie project involving many of the same elements as the proposed project, and costs were taken from bid results. Cost data was also obtained for the recent directional drilling the City completed under the Eel River for a wastewater project. RSMMeans was used to fill in the gaps. The costs are not higher than those required by prevailing wage; however they do reflect the higher costs seen for projects bid in the last several years.

Financial Need: The City of Rio Dell has had to undertake numerous capital projects in the last year to keep the City infrastructure in compliance with state laws and in working order. The City has had to take out millions in loans for both the water and wastewater systems. The rate payers have seen huge increases in water and wastewater bills in the last several years. The City does not have reserves to pay for the intertie project, which is needed to assure a reliable supply of water for the City. The City has been using reserves for the emergency repairs needed in 2012 and 2013.

Task #	Major Tasks	Current Stage of Completion (%)	IRWM Task Budget	Non-State Match	Total Task Budget
<b>A</b>	<b>Category (a): Direct Project Administration</b>				
1	Administration	0%	\$8,000	\$0	\$8,000
2	Monitoring Plan	0%	\$6,500	\$0	\$6,500
3	Labor Compliance Program	0%	\$9,500	\$0	\$9,500
4	Reporting	0%	\$11,000	\$0	\$11,000
<b>B</b>	<b>Category (b): Land Purchase/Easement</b>				
	n/a	0%	\$0	\$0	\$0
<b>C</b>	<b>Category (c): Planning/Design/Engineering/Environmental Documentation</b>				
1	Preliminary Alignment Evaluation	100%	\$0	\$0	\$0
2	50% Design Plans, Specifications, and Cost Estimate	0%	\$76,000	\$0	\$76,000
3	Milestone: Final Design Plans, Specifications and Cost Estimate	0%	\$44,000	\$0	\$44,000
4	Survey	0%	\$39,000	\$0	\$39,000
5	Geotechnical Investigation	0%	\$50,000	\$0	\$50,000
6	Milestone: CEQA	0%	\$35,000	\$0	\$35,000
7	1600 Permit/State Lands	0%	\$20,000	\$0	\$20,000
8	Encroachment Permits	0%	\$40,000	\$0	\$40,000
<b>D</b>	<b>Category (d): Construction/Implementation</b>				
1	Milestone: Pre-Bid period services	0%	\$5,000	\$0	\$5,000
2	Milestone: Project Construction	0%	\$329,376	\$0	\$1,096,238
3	Construction Management and Project Performance Monitoring.	0%	\$109,624	\$0	\$109,624
	<b>Total 2014 IRWM Drought Request</b>		<b>\$783,000</b>	<b>\$0</b>	<b>\$1,549,862</b>

<b>Table 7 – Project Budget</b>					
<b>Proposal Title: North Coast Resource Partnership 2014 IRWM Drought Project Grant Application</b>					
<b>Project Title: City of Rio Dell, Rio Dell and Scotia Community Service District Emergency Water Intertie Project</b>					
<b>Project serves a need of a DAC?: Yes</b>					
<b>Funding Match Waiver request?: No</b>					
Category		(a)	(b)	(c)	(d)
		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost
(a)	Direct Project Administration	\$35,000	\$0	\$0	\$35,000
(b)	Land Purchase/Easement	\$0	\$0	\$0	\$0
(c)	Planning/Design/Engineering/Environmental Documentation	\$304,000	\$0	\$0	\$304,000
(d)	Construction/Implementation	\$444,000	\$0	\$766,862	\$1,210,862
(e)	Grand Total (Sum rows (a) through (d) for each column)	\$783,000	\$0	\$766,862	\$1,549,862
Sources of matching funds: None					

**City of Ukiah, Ukiah Valley-Redwood Valley Water Supply Reliability Intertie and Well Development**

Budget Justification: Costs were based on professional engineering estimates from recent projects and professional engineering estimates of the projects proposed in this application.

Financial Need: Most of the partner entities are economically disadvantaged communities. The customers cannot afford to pay for increases to their rates in order to fund these capital expenses, in addition to all the other needs of the water systems.

Task #	Major Tasks	Current Stage of Completion (%)	IRWM Task Budget	Non-State Match	Total Task Budget
<b>A</b>	<b>Category (a): Direct Project Administration</b>				
1	Administration	0%	\$10,000	\$0	\$10,000
2	Monitoring Plan	0%	\$0	\$30,000	\$30,000
3	Labor Compliance Program	0%	\$0	\$0	\$0
4	Reporting	0%	\$0	\$0	\$0
<b>B</b>	<b>Category (b): Land Purchase/Easement</b>				
1	City of Ukiah/MCWD & ROGINA/MCWD	33%	\$20,000	\$0	\$20,000
<b>C</b>	<b>Category (c): Planning/Design/Engineering/Environmental Documentation</b>				
1	90% Design: Interties	100%	\$0	\$0	\$0
2	Milestone: Final Design /Plans - Interties	50%	\$50,000	\$0	\$50,000
3	90% Design: Wells	15%	\$0	\$0	\$0
4	Survey	15%	\$0	\$0	\$0
5	Geotechnical Investigation	15%	\$0	\$0	\$0
6	Milestone: Final Design /Plans - Wells	15%	\$0	\$350,000	\$350,000
7	Milestone: CEQA - Interties	0%	\$30,000		\$30,000
8	Milestone: CEQA - Wells	0%	\$47,000		\$47,000
9	Development Permits	0%	\$0	\$0	\$0
10	DOT Encroachment Permit	0%	\$0	\$0	\$0
11	City of Ukiah Encroachment Permit	0%	\$0	\$0	\$0
12	CDPH Domestic Water Supply Permit Amendment	0%	\$0	\$0	\$0
<b>D</b>	<b>Category (d): Construction/Implementation</b>				
1	Construction Contracting	0%	\$0	\$0	\$0
2	Mobilization and Site Preparation	0%	\$0	\$0	\$0
3	Project Construction: Interties	10%	\$437,000		\$437,000
4	Project Construction: Wells	0%	\$960,450	\$292,000	\$1,252,450
5	Milestone: Construction Project Close Out, Inspection & Demobilization	0%	\$0	\$0	\$0
6	Project Performance Monitoring	0%	\$0	\$0	\$0
7	Construction Administration	0%	\$0	\$0	\$0
	<b>Total 2014 IRWM Drought Request</b>		<b>\$1,554,450</b>	<b>\$672,000</b>	<b>\$2,226,450</b>

<b>Table 7 – Project Budget</b>					
Proposal Title: North Coast Resource Partnership 2014 IRWM Drought Project Grant Application Project Title: City of Ukiah, Ukiah Valley-Redwood Valley Water Supply Reliability Intertie and Well Development Project serves a need of a DAC?: Yes Funding Match Waiver request?: No					
Category		(a)	(b)	(c)	(d)
		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost
(a)	Direct Project Administration	\$10,000	\$30,000	\$0	\$40,000
(b)	Land Purchase/Easement	\$20,000	\$0	\$0	\$20,000
(c)	Planning/Design/Engineering/Environmental Documentation	\$127,000	\$350,000	\$0	\$477,000
(d)	Construction/Implementation	\$1,397,450	\$292,000	\$0	\$1,689,450
(e)	Grand Total (Sum rows (a) through (d) for each column)	\$1,554,450	\$672,000	\$0	\$2,226,450
Sources of matching funds: COU- \$350,000 Capital Improvement Fund, partially expended MWCD- \$292,000 Capital Improvement Fund, fully expended  RVCWD- (potential) CDPH Funding - \$379,000					

**Sonoma County Water Agency, Sonoma-Mendocino Immediate Drought Relief Project**

Budget Justification: Costs for the project are estimated based on past program expenditures by the Water Agency for similar work in the service area. Labor costs include market value for plumbers based on prevailing wage. Costs per unit (toilets, urinals, aerators, etc.) are purchased in bulk and receive discounted pricing.

Financial Need: The project area is historically underserved and precluded from current rebate programs. The region as a whole does not currently have the resources necessary to implement this program at the present time. The project cannot be completed with the existing financial resources of the project proponents. Nearly half of the project area is located in economically disadvantaged communities. Residential and commercial customers do not have the financial resources to undertake program activities on their own within a short period of time to help alleviate drought-related impacts. The Water Agency is providing the largest portion of matching funds, but cannot reach all potential customers through its current budget.

Task #	Major Tasks	Current Stage of Completion (%)	IRWM Task Budget	Non-State Match	Total Task Budget
<b>A</b>	<b>Category (a): Direct Project Administration</b>				
1	Administration	0%	\$0	\$14,000	\$14,000
2	Monitoring Plan	0%	\$0	\$5,000	\$5,000
3	Labor Compliance Program	0%	\$0	\$1,000	\$1,000
4	Reporting	0%	\$0	\$10,000	\$10,000
<b>B</b>	<b>Category (b): Land Purchase/Easement</b>				
		0%	\$0	\$0	\$0
<b>C</b>	<b>Category (c): Planning/Design/Engineering/Environmental Documentation</b>				
1	Program Coordination and planning	0%	\$0	\$30,000	\$30,000
2	Partner Outreach and Training	0%	\$0	\$15,000	\$15,000
3	Development of Program Marketing and Outreach Materials	0%	\$0	\$10,000	\$10,000
<b>D</b>	<b>Category (d): Construction/Implementation</b>				
1	Implement High-Efficiency Fixture Direct Install Program	0%	\$859,152	\$409,120	\$1,268,272
2	Implement Turf Replacement (cash for grass) Rebate Program (eligibility verification, process rebates)	0%	\$190,848	\$90,880	\$281,728
3	Mentor Partners to Ensure Program is Replicated Region-wide	0%	\$0	\$35,000	\$35,000
4	Milestone: Project Performance - Monitor and Track Program Participation and Success	0%	\$0	\$15,000	\$15,000
	<b>Total 2014 IRWM Drought Request</b>		<b>\$1,050,000</b>	<b>\$635,000</b>	<b>\$1,685,000</b>

Table 7 – Project Budget					
Proposal Title: North Coast Resource Partnership 2014 IRWM Drought Project Grant Application Project Title: Sonoma County Water Agency, Sonoma-Mendocino Immediate Drought Relief Project Project serves a need of a DAC?: Yes Funding Match Waiver request?: No					
Category		(a)	(b)	(c)	(d)
		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost
(a)	Direct Project Administration	\$0	\$30,000	\$0	\$30,000
(b)	Land Purchase/Easement	\$0	\$0	\$0	\$0
(c)	Planning/Design/Engineering/Environmental Documentation	\$0	\$55,000	\$0	\$55,000
(d)	Construction/Implementation	\$1,050,000	\$550,000	\$0	\$1,600,000
(e)	Grand Total (Sum rows (a) through (d) for each column)	\$1,050,000	\$635,000	\$0	\$1,685,000
Sources of matching funds: City of Cloverdale, water fund (water rates), received City of Healdsburg, water fund (water rates), received City of Ukiah, capital improvement funds, received Redwood Valley County Water District, general fund, received Mendocino County Russian River Flood Control and Water Conservation Improvement District, general funds, received Belmont Terrace Mutual Water Company, general fund, received 12th District Agricultural Agency, general funds, received County of Sonoma Department of Transportation and Public Works, general fund, received Sweetwater Springs Sanitation District, general fund, received Occidental County Sanitation District, general fund, received Geyserville Sanitation Zone, general fund, received Sea Ranch Sanitation Zone, general fund, received Sonoma County Water Agency, general fund, received					

**Lewiston Park Mututal Water Company, Meter Installation Project**

Budget Justification: LPMWC is currently installing Badger Model 25, 5/8 3/4, Manual Read Meters and wish to continue installing exact model of meter. Each meter costs a minimum of \$87; backhoe rental is \$300; meter stop \$100; saddle \$160; other parts as needed \$100.

Financial Need: Meter installation on LPMWC funding alone is estimated to take a minimum of 6 years. As it stands, LPMWC takes in just enough money to pay bills, but not enough money to install 167 meters in a timely fashion.

Task #	Major Tasks	Current Stage of Completion (%)	IRWM Task Budget	Non-State Match	Total Task Budget
<b>A</b>	<b>Category (a): Direct Project Administration</b>				
1	Administration	4%	\$5,680	\$0	\$5,680
2	Monitoring Plan		\$1,000	\$0	\$1,000
3	Labor Compliance Program	4%	\$2,500	\$0	\$2,500
4	Reporting	0%	\$1,000	\$0	\$1,000
<b>B</b>	<b>Category (b): Land Purchase/Easement</b>				
	Not Applicable	0%	\$0	\$0	\$0
<b>C</b>	<b>Category (c): Planning/Design/Engineering/Environmental Documentation</b>				
1	Community Outreach and Meetings	0%	\$500	\$0	\$500
2	Milestone: Rate Study	0%	\$500	\$0	\$500
3	Milestone: Water Audit	0%	\$500	\$0	\$500
<b>D</b>	<b>Category (d): Construction/Implementation</b>				
1	Mobilization and Site Preparation	4%	\$141,424	\$0	\$141,424
2	Milestone: Meter Installation	4%	\$64,000	\$0	\$64,000
3	Construction Administration	4%	\$7,500	\$0	\$7,500
4	Project Performance Monitoring	0%	\$0	\$0	\$0
	<b>Total 2014 IRWM Drought Request</b>		<b>\$224,604</b>	<b>\$0</b>	<b>\$224,604</b>

<b>Table 7 – Project Budget</b>					
<b>Proposal Title: North Coast Resource Partnership 2014 IRWM Drought Project Grant Application</b>					
<b>Project Title: Lewiston Park Mututal Water Company, Meter Installation Project</b>					
Project serves a need of a DAC?: Yes					
Funding Match Waiver request?: No					
Category		(a)	(b)	(c)	(d)
		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost
(a)	Direct Project Administration	\$10,180	\$0	\$0	\$10,180
(b)	Land Purchase/Easement	\$0	\$0	\$0	\$0
(c)	Planning/Design/Engineering/Environmental Documentation	\$1,500	\$0	\$0	\$1,500
(d)	Construction/Implementation	\$212,924	\$0	\$0	\$212,924
(e)	Grand Total (Sum rows (a) through (d) for each column)	\$224,604	\$0	\$0	\$224,604
Sources of matching funds: None					

**City of Fort Bragg, Summers Lane Reservoir Project**

Budget Justification: Engineering estimate was prepared by Lawrence and Associates in 2010 and has been increased by 25% to account for inflation of construction costs over the five year period.

Financial Need: The Summers Lane Reservoir Project was conceived to address drought preparedness, along with long-term sustainability of the City's water supply. Studies were performed and Design Plans and Specifications were prepared. Construction funding for the proposed project has not been available in the City's Water Enterprise Fund and the project has been suspended for the last few years. Under the current drought conditions it is imperative that funding be identified to construct the Reservoir. After two consecutive dry years, 2014 is shaping up to be the third-driest on record. In order to avoid Water Emergencies, construction of the reservoir is now critically necessary.

Task #	Major Tasks	Current Stage of Completion (%)	IRWM Task Budget	Non-State Match	Total Task Budget
<b>A</b>	<b>Category (a): Direct Project Administration</b>				
1	Administration	0%	\$0	\$3,000	\$3,000
2	Monitoring Plan	0%	\$0	\$1,000	\$1,000
3	Labor Compliance Program	0%	\$0	\$1,500	\$1,500
4	Reporting	0%	\$0	\$500	\$500
<b>B</b>	<b>Category (b): Land Purchase/Easement</b>				
	N/A	0%	\$0	\$0	\$0
<b>C</b>	<b>Category (c): Planning/Design/Engineering/Environmental Documentation</b>				
1	Milestone: Final Design /Plans	100%	\$0	\$140,000	\$140,000
2	Milestone: Environmental Documentation - CEQA	90%	\$0	\$30,000	\$30,000
3	Right to Divert and Use Water	75%	\$0	\$20,000	\$20,000
4	Timber Harvest Permit	25%	\$0	\$30,000	\$30,000
5	DOT Encroachment Permit	0%	\$0	\$600	\$600
6	Development Permit: Grading	0%	\$0	\$0	\$0
<b>D</b>	<b>Category (d): Construction/Implementation</b>				
1	Milestone: Construction Contracting	0%	\$0	\$7,200	\$7,200
2	Mobilization and Site Preparation	0%	\$37,700	\$57,300	\$95,000
3	Construction	0%	\$465,760	\$743,640	\$1,209,400
4	Milestone: Construction Project Close Out, Inspection & Demobilization	0%	\$0	\$8,000	\$8,000
5	Re-vegetation	0%	\$2,600	\$3,900	\$6,500
6	Project Performance Monitoring	0%	\$0	\$0	\$1,000
7	Construction Management	0%	\$193,940	\$17,200	\$211,140
	<b>Total 2014 IRWM Drought Request</b>		<b>\$700,000</b>	<b>\$1,063,840</b>	<b>\$1,764,840</b>

<b>Table 7 – Project Budget</b>					
<b>Proposal Title: North Coast Resource Partnership 2014 IRWM Drought Project Grant Application</b>					
<b>Project Title: City of Fort Bragg, Summers Lane Reservoir Project</b>					
<b>Project serves a need of a DAC?: Yes</b>					
<b>Funding Match Waiver request?: No</b>					
Category		(a)	(b)	(c)	(d)
		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost
(a)	Direct Project Administration	\$0	\$6,000	\$1,000	\$7,000
(b)	Land Purchase/Easement	\$0	\$0	\$0	\$0
(c)	Planning/Design/Engineering/Environmental Documentation	\$0	\$220,600	\$0	\$220,600
(d)	Construction/Implementation	\$700,000	\$837,240	\$0	\$1,537,240
(e)	Grand Total (Sum rows (a) through (d) for each column)	\$700,000	\$1,063,840	\$1,000	\$1,764,840
Sources of matching funds: City of Fort Bragg					

**Gualala River Watershed Council, The Flow Bank - Protecting Stream Flow in the Gualala River**

Budget Justification: Costs in this budget were generated by consulting several sources; Goldridge RCD provided information on project components and staff time, several companies consulted to determine the costs of rainwater catchment and storage and forbearance components, several contractors contributed construction cost estimates, staff costs and time are based on current wages and benefits costs and number of hours was based on similar projects GRWC has implemented.

Financial Need: Landowners in our rural watershed have a range of incomes, some below poverty. To assist the landowners with limited incomes, the GRWC will calculate a landowner match considerate of household incomes and financial limitations. The funds provided this proposal will provide an incentive for landowners otherwise unwilling to implement water conservation measures on the scale outlined in this proposal.

Task #	Major Tasks	Current Stage of Completion (%)	IRWM Task Budget	Non-State Match	Total Task Budget
<b>A</b>	<b>Category (a): Direct Project Administration</b>				
1	Administration	0%	\$4,532	\$4,800	\$9,332
2	Monitoring Plan	75%	\$0	\$3,000	\$3,000
3	Labor Compliance Program	0%	\$5,000	\$0	\$5,000
4	Reporting	0%	\$5,666	\$30	\$5,696
5	Landowner Agreements/Contracts	0%	\$5,340	\$0	\$5,340
<b>B</b>	<b>Category (b): Land Purchase/Easement</b>				
		0%	\$0	\$0	\$0
<b>C</b>	<b>Category (c): Planning/Design/Engineering/Environmental Documentation</b>				
1	Geotechnical /Engineering Planning	0%	\$4,900	\$0	\$4,900
2	Milestone: Final Design /Plans	0%	\$4,922	\$5,200	\$10,122
3	Mendocino County: Coastal Development Permit (CDP)	2%	\$6,682	\$2,400	\$9,082
4	Mendocino and Sonoma County: Development Permits	0%	\$32,175	\$7,200	\$39,375
<b>D</b>	<b>Category (d): Construction/Implementation</b>				
1	Mobilization and Site Preparation	0%	\$12,394	\$9,600	\$21,994
2	Project Construction: Install fifty-five 5,000 gallon rainwater catchment tanks	0%	\$261,912	\$60,800	\$322,712
3	Project Construction: Install 7, 55,000 gallon commercial storage and forbearance systems	0%	\$167,559	\$63,089	\$230,648
4	Milestone: Construction Project Close Out, Inspection & Demobilization	0%	\$14,661	\$0	\$14,661
5	Develop Outreach Workshops and Materials	25%	\$13,213	\$10,675	\$23,888
6	Milestone: Landowner Contract Compliance	0%	\$10,935	\$0	\$10,935
7	Project Performance Monitoring	0%	\$18,127	\$28,004	\$46,131
8	Construction Contingency	0%	\$26,207	\$0	\$26,207
	<b>Total 2014 IRWM Drought Request</b>		<b>\$594,226</b>	<b>\$194,798</b>	<b>\$789,024</b>

<b>Table 7 – Project Budget</b>					
<b>Proposal Title: North Coast Resource Partnership 2014 IRWM Drought Project Grant Application</b>					
<b>Project Title: Gualala River Watershed Council, The Flow Bank - Protecting Stream Flow in the Gualala River</b>					
<b>Project serves a need of a DAC?: Yes</b>					
<b>Funding Match Waiver request?: No</b>					
Category		(a)	(b)	(c)	(d)
		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost
(a)	Direct Project Administration	\$20,538	\$7,830	\$0	\$28,368
(b)	Land Purchase/Easement	\$0	\$0	\$0	\$0
(c)	Planning/Design/Engineering/Environmental Documentation	\$48,679	\$14,800	\$0	\$63,479
(d)	Construction/Implementation	\$525,008	\$172,168	\$0	\$697,176
(e)	Grand Total (Sum rows (a) through (d) for each column)	\$594,226	\$194,798	\$0	\$789,024
Sources of matching funds: GRWC In-kind: Executive Director, 610 hours at \$60/hr, \$36,600 project total, secured. Gualala Redwoods: GIS Data and Mapping, 80 hr. @ \$65/hr. \$5,200 project total, secured. Landowner match for project implementation: \$124,017 project total GRWC: Construction Monitoring and Supplies, \$27,400 USGS gauge for stream flow and \$604 for supplies, secured. GRWC In-kind: Publications and Printing, \$905 project total, secured. GRWC In-kind: Workshop Rental Fees, 2 at \$100, \$200 project total, secured.					

**Sanctuary Forest Inc., Mattole Flow Program: Storage and Forbearance**

Budget Justification: The budget for this proposal is based on actual 2010-2013 costs for water storage and forbearance implementation. The estimate includes 5 storage systems with a combined capacity of 380,000 gallons as well as site work and system components needed to connect the new storage to the existing diversion pump and the place of use. The planning budget includes engineer, attorney and staff time. The permitting budget includes cost of permits, staff time and attorney. Labor costs are prevailing wage.

Financial Need: The project has been approved by CDFW with partial funding. Each landowners contributes \$4,400 to the project but are unable to contribute more. The planned cost share funding to complete the project has not been secured because of reduced grant funding available and higher competition for grants. In order to meet completion and CEQA-MND expiration dates expedited funding is needed.

Task #	Major Tasks	Current Stage of Completion	IRWM Task Budget	Non-State Match	Total Task Budget
<b>A</b>	<b>Category (a): Direct Project Administration</b>				
1	Administration	5%	\$10,000	\$12,000	\$22,000
2	Monitoring Plan	50%	\$0	\$0	\$0
3	Labor Compliance Program	50%	\$5,000	\$500	\$5,500
4	Reporting	5%	\$5,000	\$5,000	\$10,000
<b>B</b>	<b>Category (b): Land Purchase/Easement</b>				
		0%	\$0	\$0	\$0
<b>C</b>	<b>Category (c): Planning/Design/Engineering/Environmental Documentation</b>				
1	Milestone: Forbearance Agreements	30%	\$6,000	\$7,293	\$13,293
2	Milestone: Water Management Plans	30%	\$7,000	\$8,000	\$15,000
3	Milestone: Final Site Design /Plans	30%	\$7,000	\$8,000	\$15,000
4	Environmental Documentation: CEQA	100%	\$0	\$0	\$0
5	Permit Development: CDFW 1602	30%	\$3,000	\$4,000	\$7,000
6	Forbearance recordation (SFI): water rights modifications and small domestic registrations	10%	\$12,000	\$13,000	\$25,000
7	Permit Development- Botanical/archaeological clearance (SFI)	10%	\$0	\$0	\$0
<b>D</b>	<b>Category (d): Construction/Implementation</b>				
1	Construction Contracting	20%	\$2,400	\$2,400	\$4,800
2	Mobilization and Site Preparation	20%	\$2,400	\$2,400	\$4,800
3	Project Construction: Water Storage System Installation	5%	\$175,400	\$356,200	\$531,600
4	Project Construction: Pump Intake Screen installation	5%	\$2,500	\$2,500	\$5,000
5	Milestone: Construction Project Close Out, Inspection & Demobilization	0%	\$2,500	\$2,500	\$5,000
6	Milestone: Project Performance Monitoring - Landowner monitoring and operation of forbearance program	10%	\$10,000	\$10,000	\$20,000
7	Project Performance Monitoring: Streamflow monitoring for operation of forbearance program	10%	\$5,000	\$5,000	\$10,000
	<b>Total 2014 IRWM Drought Request</b>		<b>\$255,200</b>	<b>\$438,793</b>	<b>\$693,993</b>

<b>Table 7 – Project Budget</b>					
<b>Proposal Title: North Coast Resource Partnership 2014 IRWM Drought Project Grant Application</b>					
<b>Project Title: Sanctuary Forest Inc., Mattole Flow Program: Storage and Forbearance</b>					
<b>Project serves a need of a DAC?: Yes</b>					
<b>Funding Match Waiver request?: No</b>					
Category		(a)	(b)	(c)	(d)
		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost
(a)	Direct Project Administration	\$20,000	\$17,500	\$0	\$37,500
(b)	Land Purchase/Easement	\$0	\$0	\$0	\$0
(c)	Planning/Design/Engineering/ Environmental Documentation	\$35,000	\$40,293	\$0	\$75,293
(d)	Construction/Implementation	\$200,200	\$381,000	\$0	\$581,200
(e)	Grand Total (Sum rows (a) through (d) for each column)	\$255,200	\$438,793	\$0	\$693,993
Sources of matching funds: CDFW (Federal funds originally): \$414,493; received Landowners: \$22,000 committed Sanctuary Forest Inc.: \$2,300 committed					

**Yurok Tribe, Weitchpec Water Station Project**

Budget Justification: The cost estimate was developed by engineers at Indian Health Service and all items are set forth by federal contract rates. The project costs are also based on previous well drilling and other sanitation projects, current market prices for construction materials and industry standard percentages for contingency, etc. Engineering will be provided as an in-kind contribution by Indian Health Services.

Financial Need: The Yurok Public Utilities Department is funded by Tribal Council for a Supervisor, Water Operator, and Maintenance Worker. The community is severely disadvantaged and the cost to operate the Public Utilities is always over budget. The Yurok Tribal Council has struggled with funding the PUD through revenues from low-income residents only. Indian Health Services has not received drought funding and can only provide engineering assistance and construction inspection and oversight. Indian Health Services has worked to ensure deficient systems remain on their list for potential funding the future but these funds are limited and often years out for project completion. With the current declaration of emergency, the community's need for reliable, safe, drinking water has made this project imminent.

Task #	Major Tasks	Current Stage of Completion (%)	IRWM Task Budget	Non-State Match	Total Task Budget
<b>A</b>	<b>Category (a): Direct Project Administration</b>				
1	Administration	0%	\$0	\$14,234	\$14,234
2	Monitoring Plan	5%	\$0	\$1,500	\$1,500
3	Labor Compliance Program	0%	\$2,774	\$0	\$2,774
4	Reporting		\$0	\$6,100	\$6,100
5	Tribal Administration/IHS	10%	\$0	\$4,910	\$4,910
<b>B</b>	<b>Category (b): Land Purchase/Easement</b>				
		0%	\$0	\$0	\$0
<b>C</b>	<b>Category (c): Planning/Design/Engineering/Environmental Documentation</b>				
1	Engineering Design	100%	\$0	\$24,548	\$24,548
2	Telluric Current Groundwater Study	75%	\$0	\$30,000	\$30,000
3	Milestone: Groundwater Management Plan	0%	\$10,396	\$8,104	\$18,500
4	NEPA Development	100%	\$0	\$4,910	\$4,910
5	Environmental Documentation: CEQA	0%	\$2,500	\$0	\$2,500
<b>D</b>	<b>Category (d): Construction/Implementation</b>				
1	Milestone: Construction Contracting	0%	\$0	\$0	\$0
2	Mobilization and Site Preparation	0%	\$10,000	\$0	\$10,000
3	Order project equipment and supplies	0%	\$106,000	\$0	\$106,000
4	Project Construction	0%	\$52,800	\$0	\$52,800
5	Well Quality Testing	0%	\$5,500		\$5,500
6	Well Disinfection Analysis	0%	\$3,300		\$3,300
7	Archaeological Monitoring	0%	\$1,000		\$1,000
8	Milestone: Construction Project Close Out, Inspection & Demobilization	0%	\$4,000	\$0	\$4,000
9	Project Performance Monitoring	0%	\$3,500	\$0	\$3,500
	<b>Total 2014 IRWM Drought Request</b>		<b>\$201,770</b>	<b>\$94,306</b>	<b>\$296,076</b>

<b>Table 7 – Project Budget</b>					
<b>Proposal Title: North Coast Resource Partnership 2014 IRWM Drought Project Grant Application</b>					
<b>Project Title: Yurok Tribe, Weitchpec Water Station Project</b>					
<b>Project serves a need of a DAC?: Yes</b>					
<b>Funding Match Waiver request?: No</b>					
Category		(a)	(b)	(c)	(d)
		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost
(a)	Direct Project Administration	\$2,774	\$26,744	\$0	\$29,518
(b)	Land Purchase/Easement	\$0	\$0	\$0	\$0
(c)	Planning/Design/Engineering/Environmental Documentation	\$12,896	\$67,562	\$0	\$80,458
(d)	Construction/Implementation	\$186,100	\$0	\$0	\$186,100
(e)	Grand Total (Sum rows (a) through (d) for each column)	\$201,770	\$94,306	\$0	\$296,076
Sources of matching funds: Yurok Tribe: Project management, Reporting Requirements, and Ground Water Management Plan staff time; .35 FTE, fringe and indirect; \$28438; Received Indian Health Services: Engineering: \$24,548; Received Indian Health Services: Permitting: \$4910; Received Indian Health Services: Telluric Study: \$30,000; Received Indian Health Services: Administration Support: \$4910; Received					

**Westhaven Community Services District, Water Loss Reduction Project**

Budget Justification: Costs for the proposed project are based on consultations with engineers who provided average bid prices for 4-inch mains, air vacuum valves, valves and connecting service laterals for projects that were started in 2013/2014. These costs were increased by 10% to include construction contingency and likely price changes at the date our project would be initiated.

Financial Need: For the past 15 years, the WCSD has been making annual contributions to its Capital Reserves account. The District has existing loan obligations for funds borrowed to finance a major upgrade of water collection and treatment facilities that was made in 1990/92. A rate survey conducted by the CA-Nev AWWA section recently determined that the WCSD already has the highest water rates of all participants who responded to the survey. There are no opportunities for significant revenue increases via changes to WCSD's rate structure. District residents are incapable of shouldering the full cost of these needed repairs and system improvements.

Task #	Major Tasks	Current Stage of Completion (%)	IRWM Task Budget	Non-State Match	Total Task Budget
<b>A</b>	<b>Category (a): Direct Project Administration</b>				
1	Administration	0%	\$8,500	\$1,500	\$10,000
2	Monitoring Plan	0%	\$2,000	\$0	\$2,000
3	Labor Compliance Program	0%	\$3,000	\$0	\$3,000
4	Reporting	0%	\$5,000	\$0	\$5,000
<b>B</b>	<b>Category (b): Land Purchase/Easement</b>				
		0%	\$0	\$0	\$0
<b>C</b>	<b>Category (c): Planning/Design/Engineering/Environmental Documentation</b>				
1	Milestone: Final Design /Plans	0%	\$0	\$45,000	\$45,000
2	Milestone: Environmental Documentation - CEQA	50%	\$0	\$3,500	\$3,500
3	Permit Development: Humboldt County Encroachment	0%	\$0	\$12,000	\$12,000
4	Coastal Development Permit	0%	\$0	\$3,000	\$3,000
<b>D</b>	<b>Category (d): Construction/Implementation</b>				
1	Milestone: Construction Contracting	0%	\$0	\$5,000	\$5,000
2	Mobilization and Site Preparation	0%	\$13,800	\$0	\$13,800
3	Project Construction	0%	\$446,200		\$446,200
4	Materials Testing and Construction Observation	0%	\$5,000	\$0	\$5,000
5	Milestone: Construction Project Close Out, Inspection & Demobilization	0%	\$5,000	\$0	\$5,000
6	Native American Cultural Observer	0%	\$5,000	\$0	\$5,000
7	Project Performance Monitoring	0%	\$0	\$0	\$0
8	Construction Administration	0%	\$0	\$45,000	\$45,000
	<b>Total 2014 IRWM Drought Request</b>		<b>\$493,500</b>	<b>\$115,000</b>	<b>\$608,500</b>

<b>Table 7 – Project Budget</b>					
<b>Proposal Title: North Coast Resource Partnership 2014 IRWM Drought Project Grant Application</b>					
<b>Project Title: Westhaven Community Services District, Water Loss Reduction Project</b>					
<b>Project serves a need of a DAC?: Yes</b>					
<b>Funding Match Waiver request?: No</b>					
Category		(a)	(b)	(c)	(d)
		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost
(a)	Direct Project Administration	\$18,500	\$1,500	\$0	\$20,000
(b)	Land Purchase/Easement	\$0	\$0	\$0	\$0
(c)	Planning/Design/Engineering/Environmental Documentation	\$0	\$63,500	\$0	\$63,500
(d)	Construction/Implementation	\$475,000	\$50,000	\$0	\$525,000
(e)	Grand Total (Sum rows (a) through (d) for each column)	\$493,500	\$115,000	\$0	\$608,500
Sources of matching funds: The Westhaven District					

### California Land Stewardship Institute, Agricultural Water Conservation and Water Supply Reliability Program - Russian and Navarro River Watersheds

Budget Justification: Cost estimates are from the Recycled Water Master Plan, Carollo Engineers; Ron Franz civil engineer prepared plans and cost estimates for the storage pond; estimates for the soil moisture monitoring instruments were derived from Western Weather Service and MK Hansen Company

Financial Need: The City of Ukiah has adopted a plan to maximize reuse of its tertiary wastewater through agricultural irrigation and frost control. Building this system from City resources alone will occur slowly and require increasing sewer fees. The cost of building the system would be borne by the City of Ukiah, an economically disadvantaged community that can afford increased sewer fees. The soil moisture monitoring program is an incentive program to reduce agricultural irrigation demand.

Task #	Major Tasks	Current Stage of Completion	IRWM Task Budget	Non-State Match	Total Task Budget
<b>A</b>	<b>Category (a): Direct Project Administration</b>				
1	Administration	0%	\$40,000	\$10,000	\$50,000
2	Monitoring Plan	0%	\$0	\$5,000	\$5,000
3	Labor Compliance Program	0%	\$20,000	\$0	\$20,000
4	Reporting	0%	\$40,000	\$0	\$40,000
<b>B</b>	<b>Category (b): Land Purchase/Easement</b>				
		0%	\$0	\$0	\$0
<b>C</b>	<b>Category (c): Planning/Design/Engineering/Environmental Documentation</b>				
1	Landowner Agreements and Outreach: Soil Moisture Monitoring	0%	\$40,000	\$0	\$40,000
2	Milestone: Final Design /Plans	0%	\$0	\$800,000	\$800,000
3	Milestone: Environmental Documentation - CEQA	100%	\$0	\$0	\$0
4	Salt and Nutrient Plan and Permit	70%	\$0	\$0	\$0
5	Development Permits	0%	\$0	\$0	\$0
<b>D</b>	<b>Category (d): Construction/Implementation</b>				
1	Workshops and Technical Assistance: monitoring data for water savings	0%	\$40,000	\$0	\$40,000
2	Install soil moisture monitoring instruments	0%	\$100,000	\$50,417	\$150,417
3	Milestone: Construction Contracting	0%	\$0	\$0	\$0
4	Mobilization and Site Preparation	0%	\$0	\$0	\$0
5	Project Construction: Install pipelines	0%	\$335,190	\$450,000	\$785,190
6	Project Construction: Install pump station	0%	\$1,280,000	\$0	\$1,280,000
7	Project Construction: Construct storage pond	0%	\$75,000	\$0	\$75,000
8	Milestone: Construction Project Close Out, Inspection & Demobilization	0%	\$0	\$0	\$0
9	Project Performance Monitoring	0%	\$0	\$0	\$0
10	Construction Administration	0%	\$0	\$0	\$0
	<b>Total 2014 IRWM Drought Request</b>		<b>\$1,970,190</b>	<b>\$1,315,417</b>	<b>\$3,285,607</b>

<b>Table 7 – Project Budget</b>					
<b>Proposal Title: North Coast Resource Partnership 2014 IRWM Drought Project Grant Application</b>					
<b>Project Title: California Land Stewardship Institute, Agricultural Water Conservation and Water Supply Reliability Program - Russian and Navarro River Watersheds</b>					
Project serves a need of a DAC?: Yes					
Funding Match Waiver request?: No					
Category		(a)	(b)	(c)	(d)
		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost
(a)	Direct Project Administration	\$100,000	\$15,000	\$0	\$115,000
(b)	Land Purchase/Easement	\$0	\$0	\$0	\$0
(c)	Planning/Design/Engineering/Environmental Documentation	\$40,000	\$800,000	\$0	\$840,000
(d)	Construction/Implementation	\$1,830,190	\$500,417	\$0	\$2,330,607
(e)	Grand Total (Sum rows (a) through (d) for each column)	\$1,970,190	\$1,315,417	\$0	\$3,285,607
Sources of matching funds: City of Ukiah - \$1,250,000; received Growers and NRCS - \$50,417; pending CLSI - \$10,000; received					

### City of Crescent City, Elevated Water Tank Rehabilitation Project

Budget Justification: The basis for the project budget includes a scope of work and detailed budget prepared by Pittsburg Tank & Tower Maintenance Co., Inc. dated May 16, 2014, internal Crescent City engineering estimates, and engineering costs provided by Mike Young Engineering. The project management and administration costs are Crescent City engineering estimates based on city labor rates. Labor costs are not higher than average market value. The City will comply with prevailing wages for all contract labor.

Financial Need: The City of Crescent City provides water to economically disadvantaged communities and severely disadvantaged communities and has insufficient cash reserves necessary for the project without taking additional debt. In recent years, the City Water Enterprise Fund has received approximately \$1.4 million to \$1.6 million in annual customer and grant revenues to support the system. However, annual operating and debt costs have been in the \$1.8 million to \$2.1 million range. As a result, annual deficits ranging from \$300,000 to \$500,000 in recent years have depleted available cash reserves. Water system rates were recently adjusted, with much public outcry. The City has not accumulated necessary cash reserves to perform this time critical project without placing additional debt on the disadvantaged communities that benefit from this project. Time is of the essence, tank failure from seismic loading is possible and expedited funding is necessary to address the need prior to failure.

Task #	Major Tasks	Current Stage of Completion	IRWM Task Budget	Non-State Match	Total Task Budget
<b>A</b>	<b>Category (a): Direct Project Administration</b>				
1	Administration	0%	\$8,550	\$2,850	\$11,400
2	Monitoring Plan	0%	\$0	\$0	\$0
3	Labor Compliance Program	0%	\$11,250	\$3,750	\$15,000
4	Reporting	0%	\$1,875	\$625	\$2,500
<b>B</b>	<b>Category (b): Land Purchase/Easement</b>				
		0%	\$0	\$0	\$0
<b>C</b>	<b>Category (c): Planning/Design/Engineering/Environmental Documentation</b>				
1	Evaluation, Inspection and Work Scope	100%	\$12,225	\$4,075	\$16,300
2	Geotechnical Investigation	100%	\$2,850	\$950	\$3,800
3	Milestone: Final Design /Plans	0%	\$11,250	\$3,750	\$15,000
4	Milestone: Environmental Documentation - CEQA	0%	\$3,750	\$1,250	\$5,000
5	Development Permits	0%	\$0	\$0	\$0
<b>D</b>	<b>Category (d): Construction/Implementation</b>				
1	Milestone: Construction Contracting	0%	\$14,846	\$4,949	\$19,795
2	Mobilization and Site Preparation	0%	\$14,846	\$4,949	\$19,795
3	Project Construction: Setup temporary Pressure Control System; Safety and Code Updates; Preservation and Coatings	0%	\$179,700	\$59,900	\$239,600
4	Project Construction: Seismic Upgrade Steel Structure, Foundation and Footings	0%	\$142,500	\$47,500	\$190,000
5	Milestone: Construction Project Close Out, Inspection & Demobilization	0%	\$0	\$0	\$0
6	Project Performance Monitoring	0%	\$0	\$0	\$0
7	Construction Administration	0%	\$4,725	\$1,575	\$6,300
8	Contingency	0%	\$29,692.50	\$9,897.50	\$39,590.00
	<b>Total 2014 IRWM Drought Request</b>		<b>\$438,060</b>	<b>\$146,020</b>	<b>\$584,080</b>

<b>Table 7 – Project Budget</b>					
<b>Proposal Title: North Coast Resource Partnership 2014 IRWM Drought Project Grant Application</b>					
<b>Project Title: City of Crescent City, Elevated Water Tank Rehabilitation Project</b>					
<b>Project serves a need of a DAC?: Yes</b>					
<b>Funding Match Waiver request?: No</b>					
Category		(a)	(b)	(c)	(d)
		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost
(a)	Direct Project Administration	\$21,675	\$7,225	\$0	\$28,900
(b)	Land Purchase/Easement	\$0	\$0	\$0	\$0
(c)	Planning/Design/Engineering/Environmental Documentation	\$30,075	\$10,025	\$0	\$40,100
(d)	Construction/Implementation	\$386,310	\$128,770	\$0	\$515,080
(e)	Grand Total (Sum rows (a) through (d) for each column)	\$438,060	\$146,020	\$0	\$584,080
Sources of matching funds: Crescent City Water Enterprise Fund					

**County of Humboldt, Implementation Grant Regional Administration**

In 2005, the NCIRWMP Regional Water Management Group unanimously nominated the County of Humboldt to act as the applicant and Regional Manager of grant funds for the NCIRWMP. To date the County of Humboldt has successfully managed over \$45 million in grant funding for 43 North Coast IRWMP planning and implementation projects. The Regional Management Team is led by a Deputy Director, Supervising Planner, Administrative Analyst II and an Environmental Analyst in the Natural Resources Planning office in the Environmental Services Division under the direction of the Public Works Director. The Regional Management Team provides QA/QC on all invoices and progress reports submitted by sub-grantees prior to compiling regular grant progress reports and invoices to submit to the granting agency. The Regional Management process of providing initial review of required documentation from component projects aides in simplifying review and approval of progress reports and invoices by the granting agency.

<b>Table 7 – Project Budget</b>					
Proposal Title: North Coast Resource Partnership 2014 IRWM Drought Project Grant Application					
Project Title: County of Humboldt, Implementation Grant Regional Administration					
Project serves a need of a DAC?: Yes					
Funding Match Waiver request?: No					
Category		(a)	(b)	(c)	(d)
		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost
(a)	Direct Project Administration	\$435,000	\$0	\$0	\$435,000
(b)	Land Purchase/Easement	\$0	\$0	\$0	\$0
(c)	Planning/Design/Engineering/Environmental Documentation	\$0	\$0	\$0	\$0
(d)	Construction/Implementation	\$0	\$0	\$0	\$0
(e)	Grand Total (Sum rows (a) through (d) for each column)	\$435,000	\$0	\$0	\$435,000
Sources of matching funds: None					

## North Coast Resource Partnership 2014 IRWM Drought Project Grant

### Attachment 5. Budget Summary: Proposal Budget Summary

Table 8 – Summary Budget						
Proposal Title: North Coast Resource Partnership 2014 IRWM Drought Project Grant Application						
Individual Project Title		(a)	(b)	(c)	(d)	(e)
		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost	% Funding Match (col. b/col. d)
<b>(a)</b>	City of Rio Dell, Rio Dell and Scotia Community Service District Emergency Water Intertie Project	\$783,000	\$0	\$766,862	\$1,549,862	0%
<b>(b)</b>	City of Ukiah, Ukiah Valley-Redwood Valley Water Supply Reliability Intertie and Well Development	\$1,554,450	\$672,000	\$0	\$2,226,450	30%
<b>(c)</b>	Sonoma County Water Agency, Sonoma-Mendocino Immediate Drought Relief Project	\$1,050,000	\$635,000	\$0	\$1,685,000	38%
<b>(d)</b>	Lewiston Park Mutual Water Company, Meter Installation Project	\$224,604	\$0	\$0	\$224,604	0%
<b>(e)</b>	City of Fort Bragg, Summers Lane Reservoir Project	\$700,000	\$1,063,840	\$1,000	\$1,764,840	60%
<b>(f)</b>	Gualala River Watershed Council, The Flow Bank - Protecting Stream Flow in the Gualala River	\$594,226	\$194,798	\$0	\$789,024	25%
<b>(g)</b>	Sanctuary Forest Inc., Mattole Flow Program: Storage and Forbearance	\$255,200	\$438,793	\$0	\$693,993	63%
<b>(h)</b>	Yurok Tribe, Weitchpec Water Station Project	\$201,770	\$94,306	\$0	\$296,076	32%
<b>(i)</b>	Westhaven Community Services District, Water Loss Reduction Project	\$493,500	\$112,000	\$0	\$605,500	18%
<b>(j)</b>	California Land Stewardship Institute, Agricultural Water Conservation and Water Supply Reliability Program - Russian and Navarro River Watersheds	\$1,970,190	\$1,315,417	\$0	\$3,285,607	40%
<b>(k)</b>	City of Crescent City, Elevated Water Tank Rehabilitation Project	\$438,060	\$146,020	\$0	\$584,080	25%
<b>(l)</b>	County of Humboldt, Regional Management	\$435,000	\$0	\$0	\$435,000	0%
<b>(m)</b>	<b>Proposal Total</b>	<b>\$8,700,000</b>	<b>\$4,672,174</b>	<b>\$767,862</b>	<b>\$14,140,036</b>	<b>33%</b>
<b>(n)</b>	<b>DAC Funding Match Waiver Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	
<b>(o)</b>	<b>Grand Total</b>	<b>\$8,700,000</b>	<b>\$4,672,174</b>	<b>\$767,862</b>	<b>\$14,140,036</b>	<b>33%</b>