



Headwaters Fund Board (HWFB) Meeting Agenda
August 30, 2022 – 1:30pm
825 5th St, Eureka, CA 95501
Conference Room B

*Public Attendance also available through Zoom

The Headwaters Fund invests in projects through grants and loans with the goal of helping the citizens of Humboldt County achieve increased economic opportunity, prosperity, and quality of life.

Please click the link below to join the webinar:

<https://us02web.zoom.us/j/82140208239>

Or One tap mobile :

US: +16699009128,,82140208239# or +16694449171,,82140208239#

Or Telephone:

Dial(for higher quality, dial a number based on your current location):

US: +1 669 900 9128 or +1 669 444 9171 or +1 346 248 7799 or +1 253 215 8782 or +1 564 217 2000 or +1 646 558 8656 or +1 646 931 3860 or +1 301 715 8592 or +1 312 626 6799 or +1 386 347 5053

Webinar ID: 821 4020 8239

International numbers available: <https://us02web.zoom.us/j/82140208239>

1. Opening
 - a. Approval of minutes from August 17, 2022 - (Attachment 1)
 - b. Public comment on non-agenda items
 - c. Report out on meetings attended

2. Headwaters Fund Board to receive report on Offshore Wind Project - (Attachment 2)
 - a. Discussion
 - b. Public Comment

3. Treasurer Tax Collector to report out on Headwaters Fund Interest apportionment update timelines and field questions from the HWF Board related to the investment and management of Headwaters Fund monies.

- a. Discussion
 - b. Public Comment
4. Headwaters Fund Board to receive Mini Grant request from the Samoa Peninsula Community Service District (CSD) for work on the Samoa Peninsula Wastewater Project and make an award determination - (Attachment 3)
 - a. Discussion
 - b. Public Comment
 - c. Action
5. Headwaters Fund Board to receive Mini Grant request from Cal Poly Humboldt for work on the “Conservation Modelling for California Forest Wildland Restoration for Social, Economic and Environmental Sustainability” and make an award determination – (Attachment 4)
 - a. Discussion
 - b. Public Comment
 - c. Action
6. Headwaters Board to consider staff proposal for creating an open Request for Proposals (RFP) for new Revolving Loan Fund lenders, direct staff in the form and function of the RFP, and direct staff to bring the RFP to the Board of Supervisors for approval – (Attachment 5)
 - a. Discussion
 - b. Public Comment
7. Headwaters Board to consider directing staff to draft a resolution, in line with the provisions of CA Government Code 54950 et seq and CA Assembly Bill 361, supporting hybrid/remote meeting in the face of the continued state of emergency because of Covid-19
 - a. Discussion
 - b. Public Comment
 - c. Action
8. Headwaters Fund staff to provide report on activities to date related to our internal review of past administrative expenses, discuss next steps, and direct staff to work with the County Financial Officer, Treasurer Tax Collector, and Auditor Controller to correct past errors, establish best practices moving forwards, and to identify a secure source of revenue for future Headwaters Fund administration expenses.
 - a. Discussion
 - b. Public Comment
 - c. Action

9. Headwaters board to discuss cross board/committee collaboration between Humboldt based public boards and committees as it relates to economic and workforce development.
 - a. Discussion
 - b. Public Comment
 - c. Action

10. Staff and Board updates
 - a. Discussion
 - b. Public Comment

11. Adjourn

Next Meeting: September 13, 2022

Agenda Staff Report

AGENDA ITEM 2

DISCUSSION

County and district staff to provide a report out on progress to date in support of the Offshore Wind Development Project off the coast of Humboldt County. Staff are available to answer questions from the HWF board related to this work.

No Action

AGENDA ITEM 3

DISCUSSION

The Treasurer Tax Collector will provide and update on Headwaters Fund interest apportionments for the past few fiscal years, provide a timeline for current underway, and answer questions from the HWF board on the HWF Endowment Fund investments and the County Pooled Investment Fund, of which the Liquidity Fund is a part of.

No Action

AGENDA ITEM 4

DISCUSSION

The Headwaters board will review, discuss, and make an award determination on the Mini Grant request submitted by the Samoa Community Service District (CSD). This proposal is in support of planning work, matched by \$30,000 in United States Department Agriculture funds. This funding will support work needed to apply for over \$20 million in State Water Resources

Control Board Funding and USDA for the design, permitting, and construction of the wastewater project.

Recommended Action: Staff recommendation is to approve the request and authorize staff to draft and execute and agreement pending county counsel and risk management review.

AGENDA ITEM 5

DISCUSSION

Staff have received a request for funding from Assistant Professor Ho Yi Wan, PhD, of Cal Poly Humboldt for work supporting a graduate student working under his supervision to complete modeling work in pursuit of the answer to the question “What are the capitalization and annual funding distribution needs required to restore forest health on a landscape level?” This work is being done in support of regional efforts led by the forest service to support local economic development by identifying and facilitating the use of forest debris and small diameter timber as feed stock in manufacturing processes.

These efforts have been supported by the Forest Service through the CalForest WRX alliance, which is a partnership between the County, forest service, for-profit businesses, nonprofits, and Tribal entities to promote forest health, economic investment, workforce development, and minimize risk of catastrophic forest fires.

Recommended Action: Staff recommendation is to approve the request and authorize staff to draft and execute and agreement pending county counsel and risk management review.

AGENDA ITEM 6

DISCUSSION

The Headwaters fund has operated its Revolving Loan Fund with two primary lenders since the earliest operation of the fund. These arrangements were made following submittals in response to RFPs issued to find qualified lenders seeking funding to provide businesses with gap financing.

Despite long time successes with both of our current lenders, the Headwaters Fund has never fully deployed the funds available through the Revolving Loan Fund (\$7 Million) and currently has approximately \$4.2 million out in loans with and additional \$2.8 million dollars in cash.

Additionally, the county pooled investment rate and endowment earnings are being outpaced significantly by recent inflation, reducing the purchase power of the fund. As such, it is no longer financially prudent to hold such significant cash reserves as a source of grant revenues.

Discussions in the past have led staff to begin talks with various parties about potential HWF partnerships and at this time staff have determined that an open-ended Request for Proposals (RFP) will allow organizations with capacity and interest to engage into lending agreements with the HWF, increasing earning and community impact of the fund. By drafting an RFP with no time limit, staff hope to encourage municipalities, financial institutes, Tribes, and foundations to consider the possibilities of working with the HWF and provide critical financing to Humboldt based businesses and organizations.

Recommended Action: Direct staff to work with Counsel and the Purchasing department to draft an open RFP, in line with HWF Charter and Revolving Loan Fund Manual, for submittal to the Board of Supervisors prior to publication.

AGENDA ITEM 7

DISCUSSION

As per California state Assembly Bill 361, modifications to the Brown act have been made to allow for the operation of public bodies in a hybrid or remote fashion, with restrictions to posting location/time, member location attendance/posting requirements, and meeting facilitation is a state of emergency requiring social distancing is in effect. The HWF can return to hybrid/remote model by passing a resolution by majority vote, indicating the continuing state of emergency within the state poses a continuing threat to the body and members of the public. For the resolution to remain in effect, it must be renewed every thirty days by majority vote.

A return to a hybrid/remote model will facilitate wider community engagement and potentially draw additional applicants to the Headwaters Board from non-central locations. Staff are fully supportive of a hybrid model and ready to facilitate meetings in this fashion.

Recommended Action: Direct staff to return at a future meeting with a resolution authorizing remote meetings in compliance with CA government Code 54950 et seq. and Assembly Bill 361.

AGENDA ITEM 8

DISCUSSION

Headwaters Staff have been working to correct past errors related to the use of HWF dollars for administrative costs which is prohibited by charter other than the use of the \$1.8 million set aside at its inception. This was later confirmed during the 2009 Grant Jury investigation into the fund's activities.

Staff have corrected these errors from fiscal year 2019-20 to date and have begun exploring past practices related to the management of the fund. It appears that past errors have been used as precedent to defend the use of liquidity funds in the administration of the HWF. Staff are currently working to establish a report detailing these issues over the lifetime of the fund. Frequent staff turnover has also made these problems worse due to lack of longevity in positions serving the HWF board and management of the Headwater Fund corpus.

It was identified in a 2013 update from the County Administrative Office that the \$1.8 million set aside for administrative expenses for a twenty-year period was almost completely exhausted. An alternative source of funding from the Redevelopment Agency (RA) Funds being returned to the county because of the closure of the RA. However only two payments were made into the "Set-aside Fund". Additionally, the twenty-year span has nearly been completed and the Headwaters Fund does not have sufficient funding to support ongoing staff support of the fund.

Therefore, it is the recommendation of the Headwaters Fund Staff, including the Headwaters Fund Coordinator and Economic Development Division Director, that an alternative source of revenue is necessary to support the Headwaters Fund mission of funding economic development activities in perpetuity.

Recommended Action:

1. Authorize staff to continue exploration of past practices related to admonitive expenditure and seek remediation by working with the Auditor Controller, Treasurer Tax Collector, and County Financial Officer.
2. Bring forward an item to the Board of Supervisors recommending that a secure source of revenue be identified for future HWF administrative costs and to mitigate the negative fund balance in the "Set Aside fund" which is a result of these past errors.

AGENDA ITEM 9

DISCUSSION

The Director and Coordinators of Economic Development have discussed the separation of information between county boards, committee, and commissions in relation to economic/community/workforce development. To better understand the full scope of projects, potential impacts, and collaboration in support of these efforts, staff feel it is important to reduce this isolation through coordination efforts of the governing bodies.

Staff would like the HWF board to discuss how they think the HWF board could benefit from input from other bodies and how they may be of benefit to other organizations. Staff intend to bring this discussion to other boards and committees and bring forward a proposal based upon that input which would assist the regional efforts of economic/community/workforce development across the county of Humboldt.

No Action

AGENDA ITEM 10

DISCUSSION

The Staff and Board updates section is intended to provide an avenue for brief updates on housekeeping/administrative topics and to make requests of staff for future agenda items.

No Action

Remote Public Comment and ADA accommodation requests:

Email Public Comment: To submit public comment to the Humboldt County Headwaters Fund Board please email gohumco@co.humboldt.ca.us, provide your name and the agenda item number(s) on which you wish to comment. All public comment submitted after the agenda has been published will be included with the administrative record after the fact.

Zoom Public Comment: When it is time for public comment on the item you wish to speak on, the Humboldt County Headwaters Fund Board Chair will ask for public comment. You may virtually raise your hand using the raise hand function on Zoom and staff will unmute your

phone. Staff will then ask you to state your name and begin your comment. You will have 3 minutes to comment.

Phone Public Comment: You may call into the meeting by dialing +1 669 900 9128 and entering using meeting ID 821 4020 8239. When it is time for public comment on the item you wish to speak on, the Humboldt County Headwaters Fund Board Chair will ask for public comment. Staff will unmute phone lines and you may introduce yourself and express your desire to speak. Staff will then ask you to state your name and begin your comment. You will have 3 minutes to comment.

The County of Humboldt is committed to providing equal access to all county programs, services and activities through the provision of accommodations for individuals with disabilities as required under the Americans with Disabilities Act (ADA). With 72 hours prior notice, a request for reasonable accommodation or modification can be made. Please contact the CAO's office of Economic Development at 707-445-7745 or by email gohumco@co.humboldt.ca.us or the ADA Coordinator at 844-365-0352 or by email at ada@co.humboldt.ca.us



Headwaters Fund Board (HWFB) Meeting Minutes
August 30, 2022 – 1:30pm
825 5th St, Eureka, CA 95501
Conference Room B

*Public access also provided through Zoom

Members in Attendance: Jenna Catsos, Carl Hansen, Michael Fields, Tammy Brown
Staff in attendance: Ryan Heitz, Logan Ashworth

Meeting Agenda

1. Opening
 - a. Approval of minutes from May 17, 2022 - (Attachment 1)
 - A motion was made by Michael Fields and seconded by Tammy Brown moved to accept the minutes as drafted. Passed unanimously.
 - b. Public comment on non-agenda items
 - Public comment was provided on the quality of sound for the meeting.
 - c. Report out on meetings attended
 - Board members Hansen and Brown commented on their attendance to the Fortuna CEDS meeting and Fortuna Chamber mixer respectively.
2. Arcata Economic Development Corporation (AEDC) to provide Quarterly Report on Revolving Loan Fund Activities for fourth quarter (Q4) of Fiscal Year (FY) 2021-22 – (Attachment 2)
 - a. Discussion
 - A motion was made by Michael Fields and seconded by Tammy Brown to accept the AEDC Quarterly Report on Revolving Loan Fund Activities for Quarter 4 of Fiscal Year 2021-22 with correction posited by AEDC.
 - b. Public Comment
 - No public comment was provided.
 - c. Action
 - The motion passed unanimously.
3. Redwood Region Economic Development Commission (RREDC) Staff to provide FY 2021-22 Q4 Report on Revolving Loan Fund Activities – (Attachment 3)
 - a. Discussion
 - A motion was made by Carl Hansen and seconded by Tammy Brown to table the item until the Executive Director of RREDC was present.

- b. Public Comment
 - No public comment was given.
 - c. Action
 - Motion passed unanimously
4. HWFB to review and consider request for a repurposing of the Mini grant awarded to Humboldt State University Sponsored Program Foundation to support CalFire Grant opportunity – (Attachment 4)
 - a. Discussion
 - A motion was made by Michael Fields and seconded by Tammy Brown to rescind the original mini grant and direct the applicant to reapply with the modified project along with further information on the project.
 - b. Public Comment
 - Public comment was provided on the Board's ask for further information.
 - c. Action
 - Motion passed unanimously
5. Redwood Region Economic Development Commission (RREDC) Staff to provide FY 2021-22 Q4 Report on Revolving Loan Fund Activities – (Attachment 3)
 - a. Discussion
 - A motion was made by Carl Hansen and seconded by Michael Fields to accept the RREDC Q4 Report on Revolving Loan Fund Activities.
 - b. Public Comment
 - No public comment was given.
 - c. Action
 - Motion passed unanimously
6. HWFB to review and discuss staff report on Headwaters Fund Endowment revenues and investment portfolio – (Attachment 5)
 - a. Discussion
 - Staff reported on the Headwaters Fund Endowment revenues with further inquiries provided by Board members Brown, Fields, and Hansen.
 - b. Public Comment
 - No public comment was provided.
7. HWFB to decide if they will hold a Fiscal year 2022-23 competitive grant round
 - a. Discussion
 - A motion was made by Carl Hansen and seconded by Michael Fields to not hold a competitive grant round for Fiscal Year 2022-23 and discuss future rounds during the Spending Plan process in Spring 2023.
 - b. Public Comment
 - No public comment was provided.
 - c. Action
 - The motion passed unanimously.
8. HWFB to nominate Mini Grant Ad Hoc Committee members
 - a. Discussion
 - A motion was made by Michael Fields and seconded by Carl Hansen to

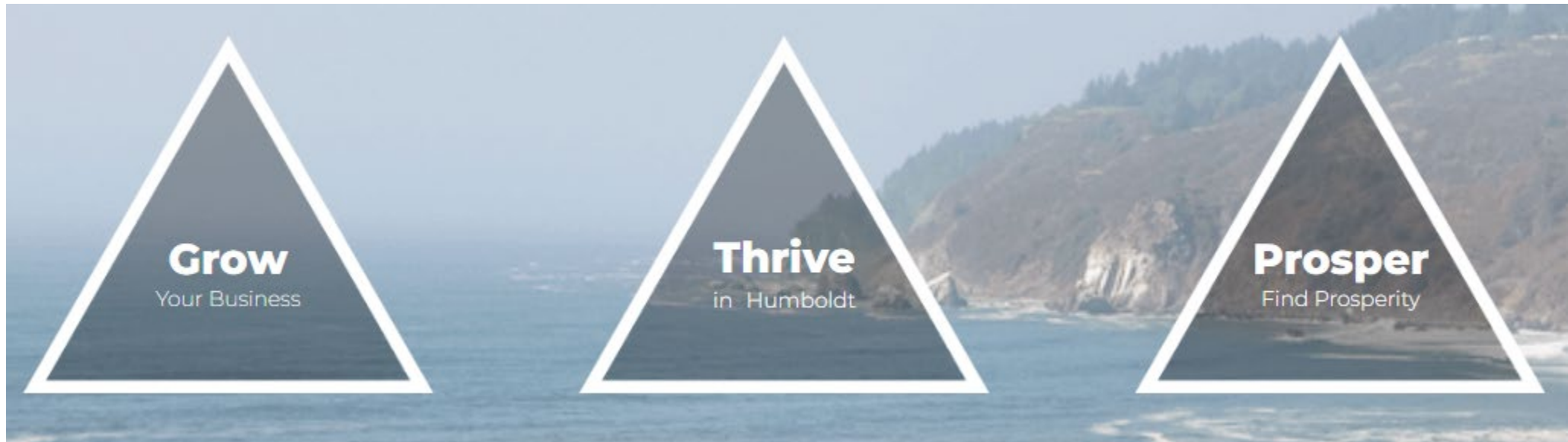
empower the Chair to appoint Board members to the Mini Grant Ad Hoc Committee. That motion was seconded by Board member Hansen. Chair Catsos appointed Tammy Brown and themselves to the committee for a period of one year.

- b. Public Comment
 - No public comment was provided.
 - c. Action
 - The motion passed unanimously.
9. HWFB to discuss next steps related to HWFB operating manual updates, program expansion efforts, and next steps towards expanding community impact. (Attachment 6)
- a. Discussion
 - It was moved by Michael Fields and seconded by Carl Hansen to authorize Chair Catsos to appoint two Board members to an Ad Hoc Committee which will work with County staff, AEDC, and RREDC to review and amend the RLF manual as needed with staff returning to the full Headwaters Board with a formal recommendation on changes. Carl Hansen and Tammy Brown volunteered and were appointed
 - b. Public Comment
 - No public comment was provided.
 - c. Action
 - The motion passed unanimously.
10. Staff and Board updates
- a. Discussion
 - There were no updates provided by staff. Board requested future items on Offshore Wind Development, general Economic Development projects update, addressing schedule of meetings, city-level representatives of Economic Development, and remaining needs of workforce.
 - b. Public Comment
 - No public comment was provided.
11. Meeting adjourned at 3:07 pm.



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Proposed Areas for Offshore Wind Leasing

In 2018, the Bureau of Ocean Energy Management asked companies to propose offshore wind plans for three areas off the California Coast. The Humboldt Bay harbor district recently applied for a \$56 million grant from the federal government.

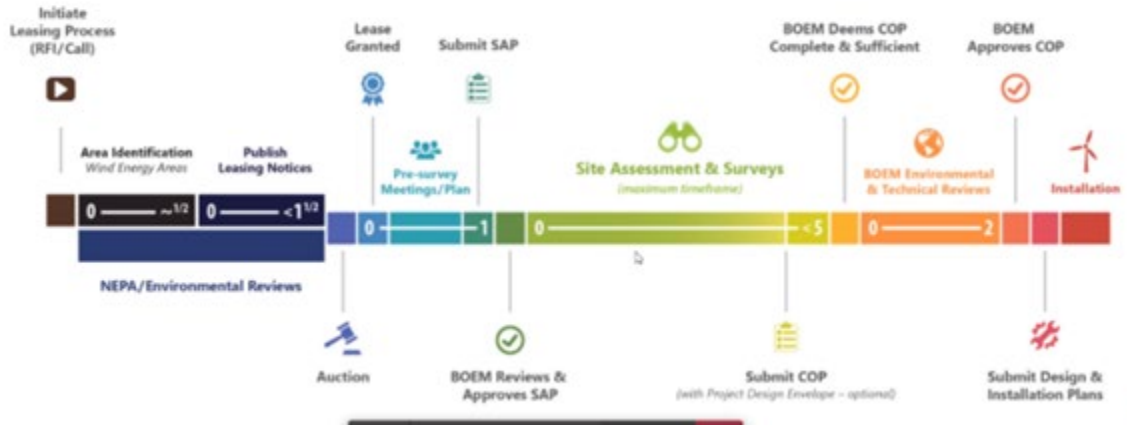


SOURCE: Bureau of Ocean Energy Management

PAUL HORN / Inside Climate News

Renewable Energy Leasing Process: From RFI/Call to Operation

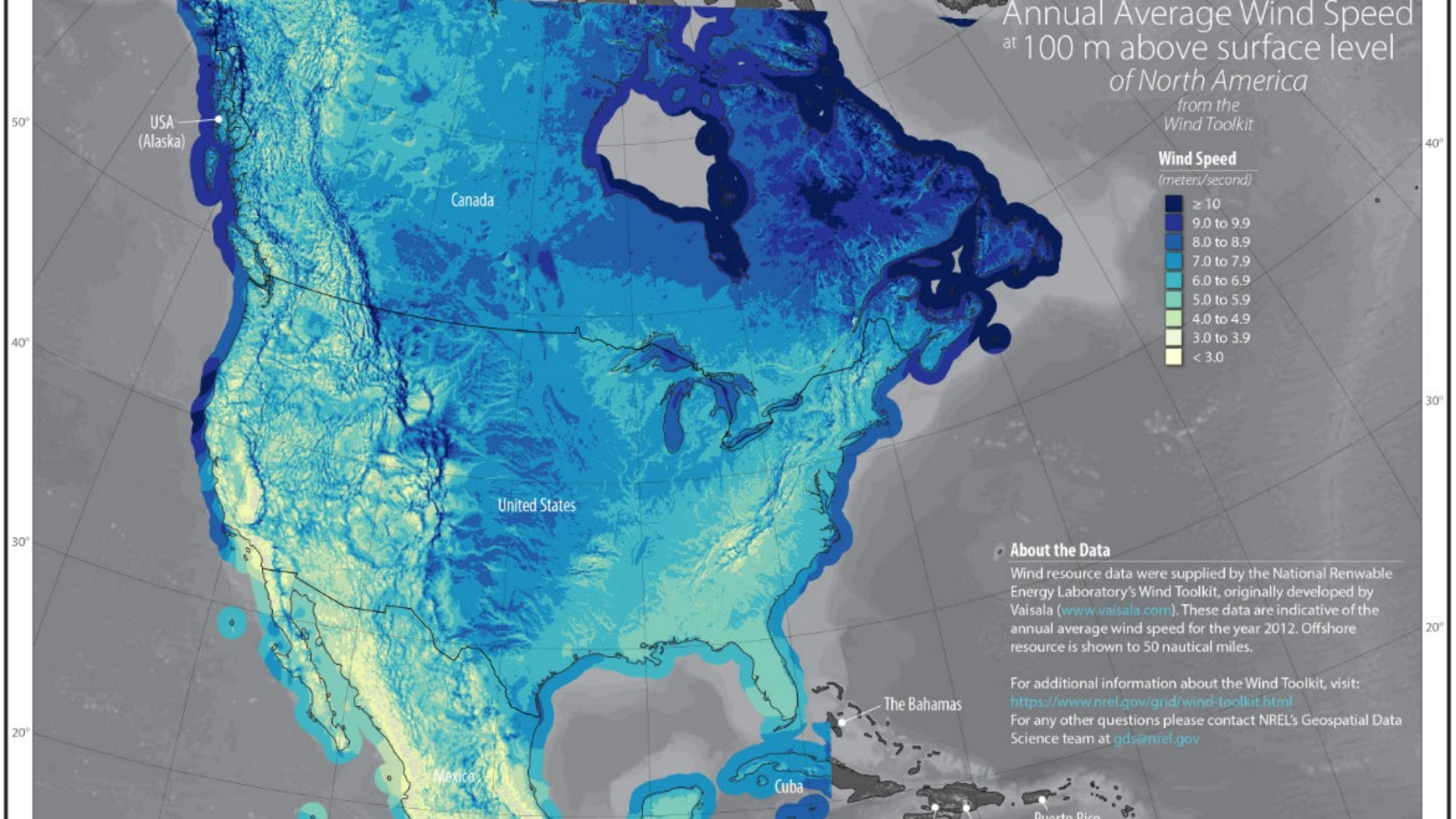
[Planning & Analysis] [Leasing] [Site Assessment] [Construction & Operations]



Annual Average Wind Speed at 100 m above surface level of North America

from the
Wind Toolkit

Wind Speed (meters/second)



About the Data

Wind resource data were supplied by the National Renewable Energy Laboratory's Wind Toolkit, originally developed by Vaisala (www.vaisala.com). These data are indicative of the annual average wind speed for the year 2012. Offshore resource is shown to 50 nautical miles.

For additional information about the Wind Toolkit, visit: <https://www.nrel.gov/grid/wind-toolkit.html>
For any other questions please contact NREL's Geospatial Data Science team at gds@nrel.gov

One 12MW Turbine = 16,000 Homes per year

- Wind density vs wind speed
- Betz limit
- For example, let's look at a 5kW turbine. If the turbine operated at 5kW for a whole year, the energy output would be $5\text{kW} \times 24 \text{ hours per day} \times 365 \text{ days per year} = 43,800 \text{ kWh}$. As we've seen the turbine doesn't actually do this. Suppose the turbine actually produced 20,000 kWh over the year. The capacity factor could be $20,000/43,800 = 45.7\%$.







Workforce



Humboldt County Workforce Coalition

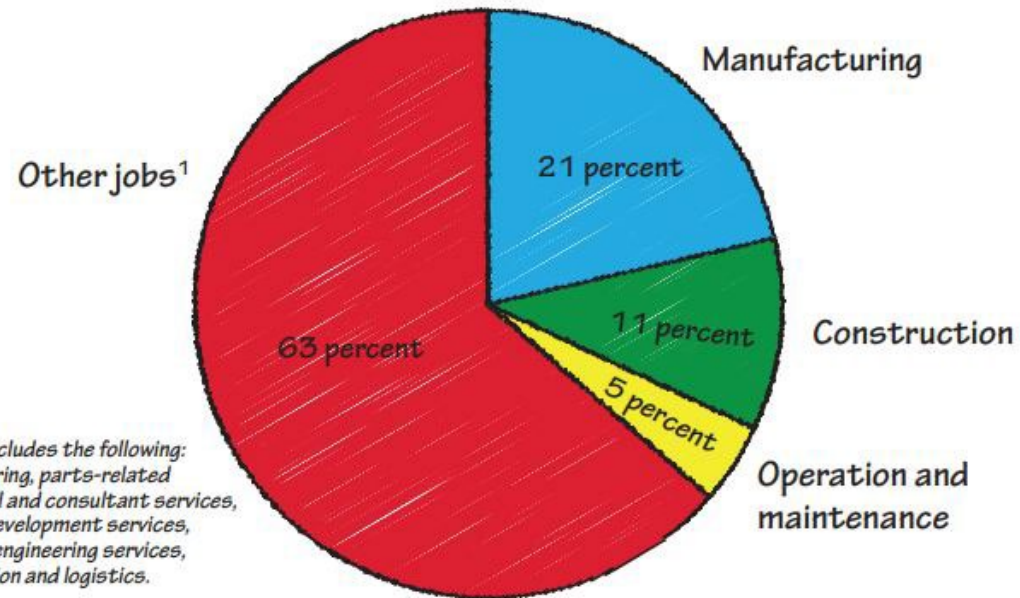


Through regional collaborative efforts, the Workforce Development Coalition (WDB) of Humboldt County brings together community members from the private sector, local government, non-profits, labor unions, education, and public agencies to:



Business and supply chain support too!

Chart 1. Jobs in wind power, 2009



1. "Other jobs" includes the following: some manufacturing, parts-related services, financial and consultant services, developers and development services, contracting and engineering services, and transportation and logistics.

SOURCE: American Wind Energy Association

Offshore Wind (OSW), Workforce Demand Chart

Direct Jobs: OVERVIEW



Offshore Wind (OSW), Workforce Demand Chart Direct Jobs: OVERVIEW

OSW FTE Creation by Company Type

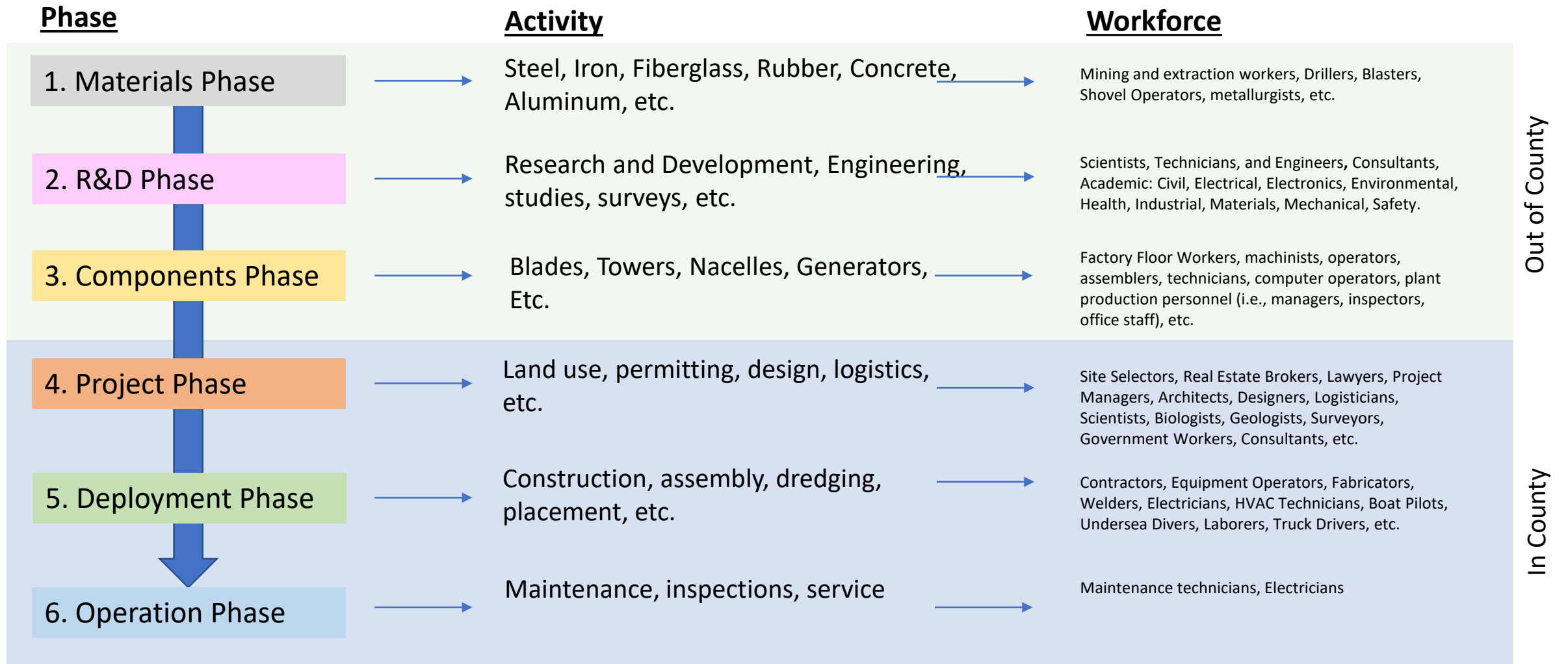
Company Type	Supply Projection of Total Jobs per Project
R&D, Engineering and design	8%
Turbine and component manufacturing	18-21%
Installation, operation and maintenance	20-41%
Services and supply	31-55%

European Wind Energy Association. (2009, January). Wind at Work: Wind energy and job creation in the EU.



Offshore Wind (OSW), Workforce Demand Chart

Direct Jobs: OVERVIEW



	5 GW		18 GW	
	build-out by 2045*		build-out by 2045**	
	2035	2045	2035	2045
Direct Jobs	1,880	2,510	5,510	7,930
Indirect	1,035	1,220	2,920	4,595
Induced	1,224	1,567	3,541	5,261
Total	4,139	5,297	11,971	17,786
Construction	3,060	3,202	9,670	12,958
Operation	1,079	2,095	2,300	4,828
Total	4,139	5,297	11,971	17,786
% from construction	74	60	81	73

Sources: American Jobs Project, "The California Offshore Wind Project: A Vision for Industry Growth," February 2019; BVGA/American Jobs Project, "CA Jobs Modeling Methodology," January 10, 2019.

Note: The jobs estimates are per year for the individual years cited. These figures include direct and indirect employment but not the category of induced employment.

*Scenario assumes no major state policy support, major restrictions on Central California offshore development by the U.S. military, and the importation of most major manufactured inputs.

**Scenario assumes comprehensive state policies supporting offshore wind, no significant restrictions by the U.S. military, and in-state production of major manufactured inputs.

Bid Credit for Workforce Development and Domestic Supply Chain

- Workforce training
 - Union apprenticeships, stipends for workforce training, training for assembly or manufacture of offshore wind components, or other job skill necessary for offshore wind energy development.
- Domestic supply chain **contributions** to domestic manufacturing of components and sub-assemblies
 - Technical assistance grants, Jones Act compliant vessels, or other contributions to supply chain development which further the manufacture of offshore wind components or subassemblies in the US.
- No limit for the bid credit investment

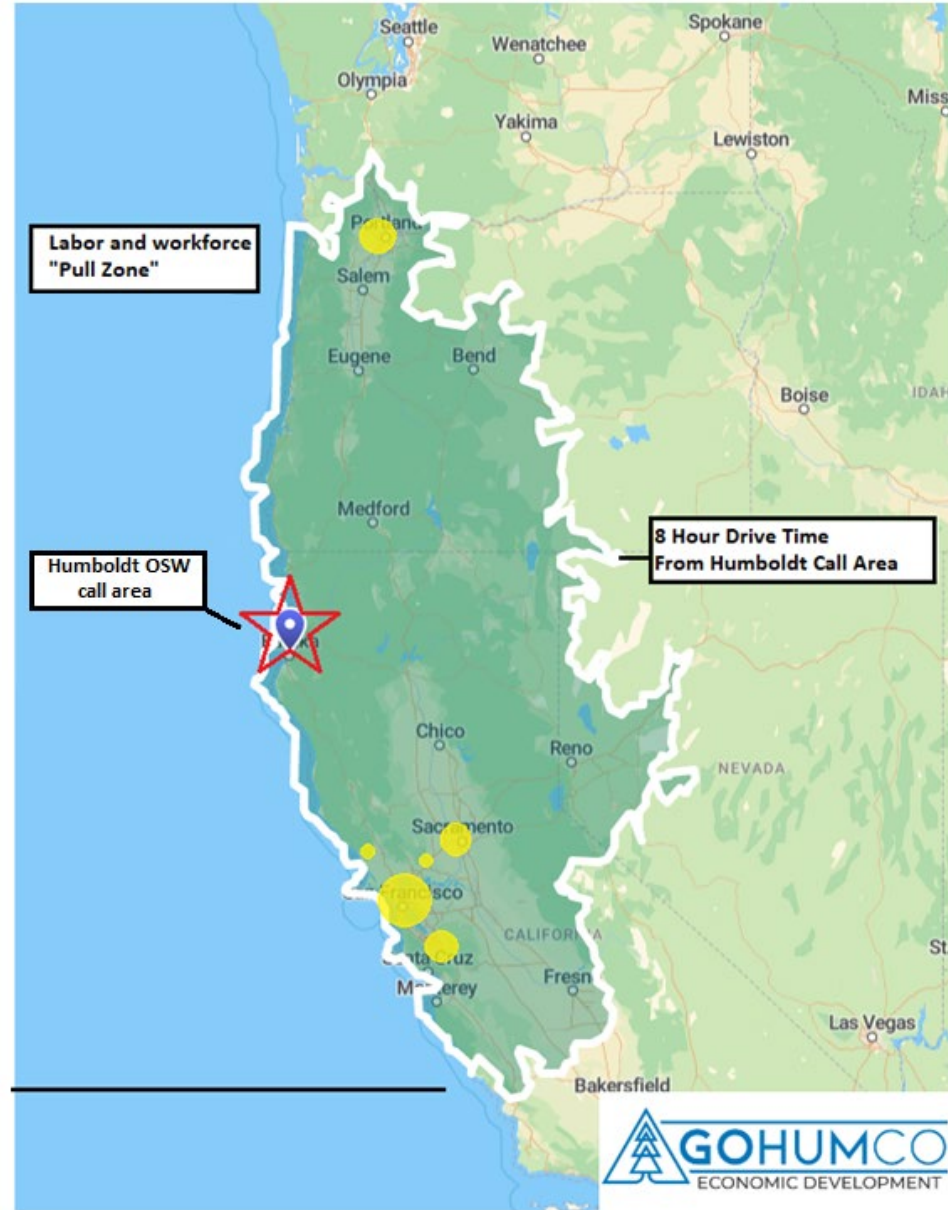


- **The contribution must result in a better trained offshore wind workforce including:**
 - Union apprenticeships, labor management training partnerships, stipends for workforce training, or other technical training programs.
 - Maritime training for crewing vessels supporting wind energy projects.
 - Training workers in skills or techniques necessary to manufacture or assemble offshore wind components, subcomponents, or subassemblies.
 - Training in other skills that Lessee can demonstrate are necessary for the planning, design, construction, operation, or maintenance of offshore wind energy projects in the United States.



Major workforce markets within 8 hour drive of Humboldt call area with a minimum of 100,000 industrial workers

- Bay Area - 1M
- Sacramento Area - 500K
- Silicon Valley - 500K
- Portland OR - 500K
- Sonoma Area- 100K
- Solano Area -100K



Offshore Wind (OSW), Workforce Demand Chart

Direct Jobs: OVERVIEW

Company Type	Field of Activity	Skilled	Semi-Skilled	Un-skilled	Representative Job Profiles
Planning and Development	Management	X			Economists, Engineers, Lawyers, Meteorologists Project managers
Design and Manufacturing	Wind Turbine and Turbine component producers	X	X		Engineers, Health and Safety Experts Iron Workers, Metal Workers, Millwrights,
Construction and Installation	Building the Wind Farm	X	X	X	Electricians, Engineers, Health and Safety Experts, Iron workers, Marine Operators, Painters, Pile drivers
Operations and Maintenance and Repair	Regular Inspection, Operations and Repair	X	X	X	Crane operators, Electricians, Iron workers, Longshoremen, Marine Operators, Painters
Technical, Financial and Legal Expertise	Diverse Specialized Professional Activities	X			Engineers, Lawyers, Meteorologists, Policy Experts, Programmers, Support Staff
Ship Building and Retrofitting	Specialized, Jones-Compliant Vessels for Installation/Repair	X	X	X	Engineers, Maritime Operators, Ship Building Construction Trades, Support Staff

Source: 22,23

European Wind Energy Association. (2009, January). Wind at Work: Wind energy and job creation in the EU.
Retrieved from: http://www.ewea.org/fileadmin/ewea_documents/documents/publications/Wind_at_work_FINAL.pdf
23 Gerard Dhooge, President, Maritime Trade Council, (personal communication, December 6, 2011)

Electrician's Helper

Popular Apprenticeships

- IEC
- ABC
- IBEW



8,000
hours of work
typically required

Attend Class
1-2x/week

4-5 year programs

Apprenticeship

Pass Exam

COMMERCIAL

OUTSIDE WIREMAN

RESIDENTIAL

MAINTENANCE

INDUSTRIAL

PUBLIC UTILITY



Journeyman Electrician

[According to the California Department of Industrial Relations \(DIR\)](#)

To register as electrician trainee:

Be enrolled in a state recognized school

Or working directly supervised by a certified electrician

- 720 hours of related classroom instruction from a state recognized school or apprenticeship
- 8,000 hours of on-the-job experience, which can also be part of an apprenticeship
- Exam

Independent Training & Apprenticeship Program (I-TAP) Sacramento 20+years

\$17,500.00



INTERNATIONAL
T R A D E
ADMINISTRATION

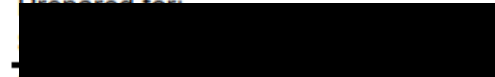




Humboldt Call Area

Offshore Wind Labor Pool Analysis

Prepared for:



September 2022

Labor Pool

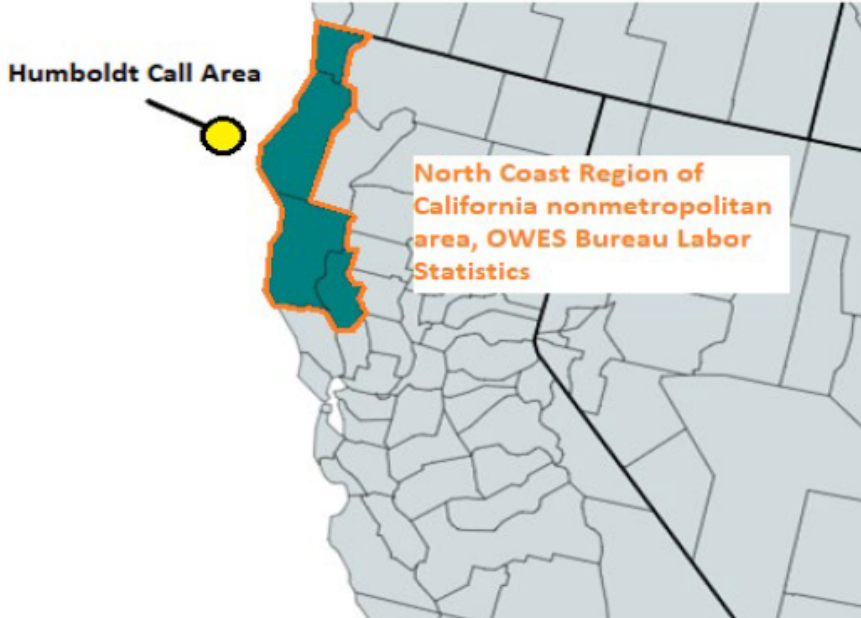
Resource Name	Needed Workers	Labor Pool = Y	SOC coding structure
Bolting Operator	4	Y ≤ 220*	51-2000 Assemblers and Fabricators
Coating Inspector	1		47-4011 Construction and Building Inspectors
NDT Operator	3	Y ≤ 70	47-4011 Construction and Building Inspectors
DC Surveyor	2		47-4011 Construction and Building Inspectors
Crane CC12600	1		53-7021 Crane and Tower Operators
Crane LR1400	1	Y ≤ 42*	53-7021 Crane and Tower Operators
Crane LR1600	1		53-7021 Crane and Tower Operators
Fitter	4	Y ≤ 61*	51-2040 Structural Metal Fabricators and Fitters
Helper	8	Y ≤ 100	51-9198 Helpers--Production Workers
Painter	3	Y ≤ 180	47-2141 Painters, Construction and Maintenance
Rigger	4	Y ≤ 17*	49-9096 Riggers
Scaffolder	10	Y ≤ 740	47-2061 Construction Laborers
SPMT 12 Axles Module	12	Y ≤ 28*	53-7011 Conveyor Operators and Tender
HSSE	1	Y ≤ 22*	17-2111 Health and Safety Engineers, Except Mining Safety Engineers and Inspectors
Welder Manual	4	Y ≤ 170	51-4121 Welders, Cutters, Solderers, and Brazers
Welder Mechanized	8	Y ≤ 30*	51-9161 Computer Numerically Controlled Tool

Region

North Coast Region of California nonmetropolitan area

Del Norte County, CA
Humboldt County, CA
Lake County, CA
Mendocino County, CA

**indicates where per/classification SOC code data was not available for the established region a pro rata distribution of total county/US population was used.*



Source



U.S. BUREAU OF LABOR STATISTICS

Y metrics are estimates based on best available Occupational Wage and Employment Statistical (OWES) data and subject to variation

Worker training, experience, and availability for engagement may fluctuate from labor pool estimate.

Map provided by <https://www.mapchart.net/usa-counties.html>

Comprehensive Economic Development Strategy

A Comprehensive Economic Development Strategy (CEDS) is a plan that helps guide local economic development efforts. It is also required for a region to be eligible for certain federal grants. Goals in writing a CEDS include deciding on and prioritizing economic development initiatives and helping to plan for a vibrant and resilient economy. Humboldt County produces a new CEDS every five years.

Target of Opportunity

In the past, this document has focused on several “industry clusters.” Industry clusters are related by industry, geography, shared workforce needs, transportation issues, or other factors. Certain clusters named the “Targets of Opportunity” gained attention because they each fit a number of criteria including providing good jobs, sending exports outside the region, and producing growth over time.

The Targets of Opportunity were:

1. Building and Systems Construction
2. Diversified Health Care
3. Investment Support Services
4. Management and Innovation Services
5. Niche Manufacturing
6. Specialty Food, Flowers and Beverages

Additional Industries

In addition to the six industries mentioned, two additional industries that did not fit all of the criteria were selected for additional focus: Tourism and Forest Products.

Focus

Previously the CEDS focused on identifying and taking advantage of strengths and opportunities related to the clusters, while addressing, as much as possible, weaknesses and threats. The 2018 CEDS process was initiated with a focus on these still-promising industry clusters. However, stakeholder and community input consistently revealed that the region’s most pressing economic issues and promising opportunities cut across industry clusters. These include enhancing our workforce, addressing transportation and infrastructure limitations and more. As a result of these findings, 2018 CEDS is organized around cross-industry themes and strategies.

Psychographics of OSW Jobs

- [Psychographics: Analysis of Your Audience | by Alex Milner | Better Marketing](#)
- Social Cognitive Career Theory (SCCT) by [Lent et al. \(1994\)](#). According to the SCCT, career development behaviors are affected by three social cognitive processes - self-efficacy beliefs, outcome expectations and career goals and intentions which interplay with ethnicity, culture, gender, socio-economic status, social support, and any perceived barriers to shape a person's educational and career trajectories.



Wind power is helping protect bird populations by slowing climate change, which poses an enormous threat to bird populations. Therefore, the best way to protect birds is by diligently siting wind farms to mitigate bird collisions and using wind energy and other renewables to replace polluting fossil fuels.

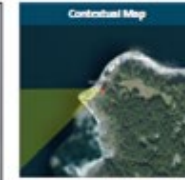
Fossil fuels have grave ecological effects. The environmental impact from extracting and burning oil, gas, and coal destroys wildlife habitat and pollutes the water and air. Then, building pipelines and transporting fossil fuels have been responsible for further contamination and wildlife destruction. This causes great harm to birds.

[Leading causes of bird fatalities](#) in the United States:

- Collisions with communication towers – 6.5 million
- Power lines – 25 million
- Pesticides – 67 million
- [Automobiles – 200 million](#)
- Windows – up to 1 billion
- Cats – 1.3 to 4 billion



121 Turbines at 8 Miles Offshore

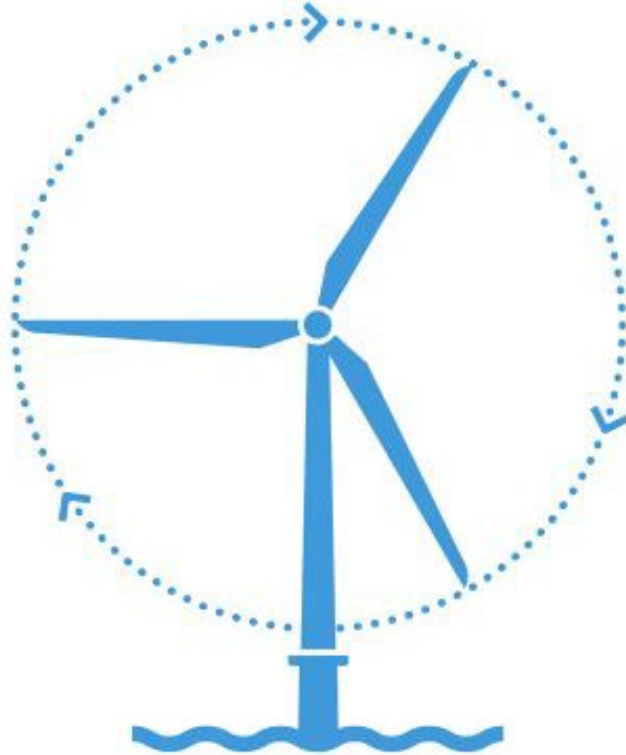


Viewpoint & Project Data

Viewpoint	Viewpoint ID	Viewpoint Name	Viewpoint Description
1	1	Patrick's Point State Park	Patrick's Point State Park, Trinidad, CA
2	2	Proposed Mid-City View	Proposed Mid-City View, Trinidad, CA



Can wind turbines be recycled?



85-95%

of a wind turbine
can be recycled



Scott Adair

Director of Economic Development, County of Humboldt

-  [\(707\) 476-4800](tel:(707)476-4800)
-  [\(707\) 599-1205](tel:(707)599-1205)
-  sadair@co.humboldt.ca.us
-  GOHumCo.com
-  825 5th Street Ste 112
Eureka, CA 95501



[See why Humboldt invests in economic development?](#)



Peninsula Community Services District

Samoa Peninsula Fire District

1982 Gass Avenue Samoa, CA 95564
Phone: (707) 443-9042 Email: dunea@peninsulacsd.org
EIN: 94-6107870

August 25, 2022

Dale Unea
Chief Operations
Peninsula Community Services District
PO Box 234, Samoa, CA 95564

Re: Letter Application for The Headwaters Fund Mini-Grant Program: Samoa Peninsula Wastewater Project

The Peninsula Community Services District (PCSD) is requesting a \$5,000 grant to support planning efforts associated with the Samoa Peninsula Wastewater Project (Project). The requested \$5,000 grant will be matched with a \$30,000 U.S. Department of Agriculture (USDA), Rural Development, Rural Utilities Service grant. The combined grant funding will be used to build upon previously completed work to secure over \$20 million in additional grant funding from the State Water Resources Control Board (Water Board) and USDA for the design, permitting and construction of the Project.

Community Overview

The Peninsula Community Services District (PCSD) was formed under the Humboldt County Local Agency Formation Commission (LAFCo) On March 17, 2020. Previously known as the Samoa Peninsula Fire District, the PCSD was formed to provide water, wastewater, parks & recreation, and streets and lighting services to customers on the Samoa Peninsula, in addition to fire protection. The PCSD service boundary includes the Town of Samoa, Fairhaven and Finntown and is within the newly formed Samoa Peninsula Enhanced Infrastructure Financing District. The Samoa Pacific Group is in the process of upgrading and transitioning the ownership and operation of infrastructure in the Town of Samoa to the PCSD. However, the communities of Fairhaven and Finntown are comprised of privately owned residential, commercial, and industrial parcels with onsite wastewater treatment systems (septic systems and vaults). The lack of wastewater infrastructure in Fairhaven and Finntown contributes to groundwater degradation and has been identified as a major impediment to the economic revitalization of the Samoa Peninsula.

Project Need

Residential wastewater systems in Fairhaven and Finntown are solely composed of individual treatment units that rely on detention and infiltration to treat and dispose of wastewater. Most of the systems are aging and are poorly suited for the soil and groundwater conditions that exist on

the peninsula. Existing traditional leachfield systems are owner-maintained and are not required to be inspected by qualified professionals. Therefore, preventative maintenance is uncommon and failing systems are rarely identified until the owner or concerned party reports surfacing seepage to the Humboldt County Division of Environmental Health (HCDEH). Currently, approximately one system per year is brought to the HCDEH's attention.

Although there are several vacant lots available in Fairhaven for future residential development, the lack of an adequate sewage system to protect the environment and public health is one of the limitations that restricts growth in the area.

Over the past thirty years, HCDEH has worked with the North Coast Regional Water Quality Control Board (NCRWQCB) on permitting and policies regarding the siting, design, operation, and maintenance of Onsite Wastewater Treatment Systems (OWTS). Mound systems have been utilized and permitted as emergency repairs, but due to high groundwater levels and coarse sand, these mound systems, do not comply with the North Coast Water Quality Control Plan for the North Coast Basin (Basin Plan) requirements for the Fairhaven area.

Fairhaven is within a Variance Prohibition Area, which requires special consideration to protect public health and water due to high groundwater elevations, extremely coarse or restrictive soils, and high septic or water well density. Replacement of failing systems in VPAs would likely require above grade pressurized dispersal systems and strict adherence to the regulations to ensure adequate treatment prior to dispersal. Variances cannot be granted for new OWTS construction. The site conditions in Fairhaven have not been found to support the design of new OWTSs that meet the requirements of the County regulations.

Any discharge to land outside the jurisdiction of the local county regulations would require review and approval by the North Coast Regional Water Quality Control Board. Additionally, proposals for future development specifically in Fairhaven are subject to submittal of a cumulative impact report that assesses groundwater mounding and organic and nitrogen impacts that are likely to result from the proposed development. The HCDEH cites Humboldt County Code section 612-2(b)(3)(j) for authority to require the report. Multiple developers have sought OWTS permits since 2006; however, no cumulative impact report has been submitted. Thus no permit has been issued, and development is at a standstill. A comprehensive wastewater system that includes collection, treatment and disposal for the residences and businesses of Fairhaven and Finntown is critical to the future of the Samoa Peninsula.

Work Completed to Date

As the PCSD was being formed, the County of Humboldt (County) initiated the first steps in the planning process to implement a septic to sewer project for the communities of Fairhaven and Finntown. The County received a \$500,000 planning grant from the Water Board's Clean Water State Revolving Fund (CWSRF) program to develop a Preliminary Engineering Report (PER), California Environmental Quality Act (CEQA) Environmental Impact Report (EIR) and supporting studies, conduct public outreach, and prepare and submit a Financial Assistance Application (Construction Application) under the same program for the Samoa Peninsula Wastewater Project (Project), which includes the design, permitting and implementation of a consolidated wastewater collection, treatment, and disposal system. With the formation of the PCSD, the County has stepped back and allowed the PCSD to move the Project forward.

In February 2022, Water Board's Division of Financial Assistance (DFA) reached out to the PCSD and County to express their interest in the funding up to \$20 million of the project and discuss and identify additional information needed to complete the review of Construction Application for the Samoa Peninsula Wastewater Project (Project). In February 2022, the County, PCSD, their engineering consultant, and the DFA project manager, environmental review, and archeological review staff, initiated monthly meetings to identify several action items needed for DFA staff to complete review of the Construction Application and support the development and execution of a funding agreement. The PCSD and their consultant have been working with DFA over the past six months to identify current EIR Project coverage, needed updates to supporting studies, and additional funding opportunities for planning and construction, including USDA.

Specific tasks have been identified and agreed upon to support the completion of DFA's Construction Application review, as well as position for future USDA construction funding. The PCSD is in need of funding from The Headwaters Fund to support these tasks and the ultimate execution of a funding agreement with the Water Board and USDA, resulting in up to a \$20+ million to design, permit and implement the Project, providing sewer services throughout Fairhaven and Finntown for residences and businesses.

Economic Impact

The implementation of the wastewater collection, treatment and disposal system will provide 76 existing residences in Fairhaven and Finntown with sewer service and support the addition of 62 residences and 64 additional dwelling units. The Project will also provide service to 1000 customers, guests, employees, and visitors for the Samoa Boat Ramp and Campground, Humboldt Bay Social Club, Oyster Beach, Live2Dive, Finntown Boat Yard, Fairhaven Business Park (multiple tenants), DG Fairhaven, California Redwoods Chip Export Facility, Redwood Marine Terminal I and II (multiple tenants), and Recology Samoa. New mound septic systems can cost up to \$15,000 for each residence ([HomeGuide, 2022](#)). Estimated monthly rates are expected to be approximately \$60 and reduce to \$35 under full build-out conditions. The projected household rate without construction grant funding would result in a rate of \$300 per month. Securing grant funding is critical to the success of this project and the economic viability of the community.

Funding Request

The District is seeking \$35,000 in funding to support required planning tasks necessary to secure funding for the final design, permitting and construction. A USDA Rural Utility Service (RUS) Water/ Waste Loan Grant Application has been completed and submitted to USDA. The tasks below were developed to support Project planning in anticipation of Water Board CWSRF and USDA funding.

Task 1 Project Planning Update

- Location Maps: The Project Study Boundary will be updated to include lateral connections for all existing residential, commercial and industrial structures to replace existing onsite wastewater systems.

- Environmental Resources Present: A compilation of information developed through the two California Environmental Quality Act Environmental Impact Reports will be used to develop the narrative description of environmental resources present in the project planning area that will affect the design of the project.

Task 2 Existing Facilities Update

- Facilities Layout Map: Maps from the Planning Study will be updated to reflect current conditions.
- History: The Planning Study will use a table format to describe the major system components and when they were constructed, renovated, expanded, or removed from service; discuss any current component failures and the cause for the failure; and describe any applicable historical regulatory violations of the system.
- Condition of Existing Facilities: The condition of the facilities described in the Planning Study will be updated to reflect current conditions.

Task 3 Need for the Project

The need for the project to protect public health and water quality has not changed since the Planning Study was completed. The system design capacity will be reevaluated for an Equivalent Dwelling Unit (EDU) calculation for the Project that breaks out residential and non-residential users that will be on the system the first full year of operation.

Task 4 Alternatives Considered and Selection of Preferred Alternative

The Planning Study did a thorough evaluation of project alternatives, including multiple collection system, treatment systems, solids handling and disposal, and effluent disposal as well as alternatives that were not be technically feasible. The USDA PER will be updated to reflect the final alternative proposed for construction including the Area of Potential Effect (APE) for the NEPA analysis and the breakdown of current and future connections. In addition, the following elements for the final alternative and several high-ranking alternatives will be summarized:

- Design criteria
- Description of the system
- System design parameters
- Schematic layout map to scale and a process diagram showing both current connections to be served within the first year of operation and potential future connections
- Land requirements and status of easements
- Construction challenges
- Sustainable utility management practices summary
- Capital and Operations Cost Estimate Evaluation

Task 5 Proposed Project

The PER will be updated to contain a fully developed description of the proposed wastewater project. The following information will be included for the system design:

- Sustainability Considerations
- Collection system layout
- Pumping station locations

- Treatment process details including component locations
- Effluent disposal system location and capacity

A description of how the preferred alternative may impact the environment will be described based on the Samoa Peninsula Wastewater Project October 2020 EIR and supporting information. The PER will be updated to describe unique direct and indirect impacts on floodplains, wetlands, other important land resources, endangered species, historical and archaeological properties, as they relate to the preferred project.

Permit Requirements: Updated descriptions and identification of any construction, discharge and capacity permit requirements will be included in the PER.

The project schedule will be updated for submittal and anticipated approval of required documents, land and easement acquisition, permit applications, advertisement for bids, loan closing, contract award, initiation of construction, substantial completion, final completion, and initiation of operation.

An updated life cycle present worth cost analysis will be prepared for the preferred project to evaluate present and future costs over a 20-year planning horizon, using the “real” discount rate taken from Appendix C of OMB circular A-94. A table showing the capital cost, annual O&M cost, salvage value, present worth values, and the NPV will be developed. All factors (major and minor components), discount rates, and planning periods used will be shown within the table. Short lived asset costs will also be included in the life cycle cost analysis tailored to the facilities being proposed for a 5 or 10 year period.

A draft of rates will be developed based on annual costs per equivalent dwelling units for the first year of operation. The analysis will include maximum of 75% USDA funding, and a varying level of California State Water Board Funding from 0% to 100% to evaluate the impacts on rates.

Non-monetary factors, including social and environmental aspects (e.g. sustainability considerations, operator training requirements, permit issues, community objections, reduction of greenhouse gas emissions, wetland relocation) will also be evaluated.

Task 6 USDA Application Coordination

Under this task the information from the PER will be used to support upload of a construction application to RD Apply. This will include a project initiation meeting with USDA staff.

Budget

The fee for the work described in this scope of services is detailed in the Table below by task:

Task		USDA	The Headwaters Fund
1	Project Planning Update	\$3,500	
2	Existing Facilities Update	\$2,000	
3	Need for the Project	\$1,500	
4	Alternatives Considered and Selection of Preferred Alternative	\$4,000	
5	Proposed Project	\$15,500	\$5,000
6	USDA Application Coordination	\$3,500	
Subtotal		\$30,000	\$5,000
Total		\$35,000	

Thank you for your consideration. If you have any questions, please do not hesitate to contact me.

Regards,



Dale Unea
Chief Operations
Peninsula Community Services District
Phone: (707) 443-9042
Email: dunea@peninsulacsd.org

CAL POLY HUMBOLDT

Department of Wildlife

707 826-3658 | PHONE

707 826-4060 | FAX

hw83@humboldt.edu | EMAIL

801 709-8137 | MOBILE

30 September, 2022

Headwaters Fund Board of Directors
c/o Economic Development Division
825 5th Street, Suite 112
Eureka, CA 95501
707-445-7745

RE: Mini-Grant Proposal “Conservation Modelling for California Forest Wildland Restoration for Social, Economic and Environmental Sustainability (CalForest WRX³),” PI Ho Yi Wan

I am writing this letter to apply for the Headwaters Fund mini-grant in support of conservation modelling work for CalForest WRX³. CalForest WRX³ brings together partners that share an interest in creating sustainable communities, economies and landscapes by improving forest health and turning the risks associated with forest lands dense with smaller diameter trees and biomass into opportunities. To do this, CalForest WRX³ is facilitating the growth of a complementary, innovative forest product business ecosystem that utilizes low-value fiber feedstock to produce value-added products that increase both market and non-market benefits. CalForest WRX³ is currently facilitating business investment in Eureka that would represent \$60M in direct investment over the next 3 to 5 years, resulting in roughly 150 jobs and utilization of 250 tons of biomass annually in advanced manufacturing of innovative building products. Additional collaborations and opportunities are anticipated to develop from the opportunities generated through CalForest WRX³. The work of the CalForest WRX³ Alliance aligns with the 2018-2023 Comprehensive Economic Development Strategy in that it builds on the significant economic contributions by forest products to further support development of building and construction systems, niche manufacturing and innovation services.

The modelling supports economic development by answering key questions that investors and land managers have when making decisions about deploying resources and investment dollars needed to catalyze a robust forest product market ecosystem. This research also positions landowners and managers to identify critical funds needed to propel forest health treatments in our most remote regions of the County where transportation costs often inhibit removal of forest biomass. Attached you will find the research questions we are pursuing and the proposed project budget. I am requesting \$5,000 in support of a graduate student researcher, who will be conducting most of the modelling work under my supervision.

1 Harpst Street, Arcata, California 95521-8299 | humboldt.edu/website

This work with CalForest WRX³ exemplifies the goals of The Headwaters Fund: it directly addresses sustainable local economic development with an innovative timber harvest model that aims to reduce fire risk and restore forest health, and it leverages diverse funding streams in support of the project. The modelling work supports the larger scope of work the CalForest WRX³ Alliance is pursuing with support from federal and state governments, and private business. Examples include support from the Innovative Finance for National Forests (IFNF) Grant Program (\$15,000), and the new Cal Fire grant to Fabric Workshop (\$429,055). Additionally, Cal Poly Humboldt's Sponsored Programs Foundation is contributing \$10,000 to the project. We will pursue additional funds needed to support the full scope of the modelling work. The \$5,000 award from the Headwaters Fund would help us unlock additional funding to complete the work by demonstrating local support for the project and by increasing our suite of funding opportunities and increasing the amount of cash match we can leverage.

With this proposal we request your support for this important project that draws together critical issues of climate change, wildfire risk mitigation, and the health and prosperity of rural communities.

Sincerely,

DocuSigned by:



770287F7CFFD4F8...

Ho Yi Wan, Ph.D.

Assistant Professor, Department of Wildlife, Cal Poly Humboldt

BUDGET TEMPLATE

SPF Proposal No.: 22-078		9/30/2022	
Project Title: CalForest WRX3			
Cost Sharing?	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	
Deviation from negotiated 47.5% IDC	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	
IDC Deviation Justification:	Program limits IDC to 0%		
Contract Terms	<input type="checkbox"/> Fixed Fee	<input type="checkbox"/> Cost Reimbursable	<input type="checkbox"/> Not Applicable
COMMENTS:			
PI NAME:	Ho Yi Wan	DEPARTMENT:	Wildlife
FUNDING AGENCY:	County of Humboldt		
PROJECT DATES:	11/1/22-10/31/24		

EXPENSE	DESCRIPTION	Account Number	Year 1	Year 1	Year 2	Year 2	Total Requested	Total Match	TOTAL Req+Match
			Requested	Match	Requested	Match			
PERSONNEL - SALARIES									
Salaries Students AY	Graduate Student (\$16 * 10 hrs/wk * 15 wks/yr)	601830	\$ 2,400	\$ 5,000	\$ 2,400	\$ 5,000	\$ 4,800	\$ 10,000	\$ 14,800
Salaries Total			\$ 2,400	\$ 5,000	\$ 2,400	\$ 5,000	\$ 4,800	\$ 10,000	\$ 14,800
FRINGE & BENEFITS									
Benefits Reimbursed		603000					\$ -	\$ -	\$ -
FRINGE									
OASDI	6.20%	603001	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
WORKERS COMPENSATION	0.74%	603007	\$ 18	\$ 18	\$ 18	\$ 18	\$ 36	\$ -	\$ 36
UNEMPLOYMENT INSURANCE	2.50%	603010	\$ 60	\$ 60	\$ 60	\$ 60	\$ 120	\$ -	\$ 120
MEDICARE	1.45%	603012	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
BENEFITS									
RETIREMENT	10.00%	603005	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
HEALTH	contact Pre-Award office about current rates	603004					\$ -	\$ -	\$ -
FlexCash	flat monthly rate (\$128 medical; \$12 dental)	603015					\$ -	\$ -	\$ -
DENTAL	2.38%	603003	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
VISION	0.45%	603013	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
LIFE	0.10%	603011	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fringe & Benefits Total			\$ 78	\$ -	\$ 78	\$ -	\$ 156	\$ -	\$ 156
TRAVEL									
Travel Total			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PARTICIPANT SUPPORT COSTS									
Participant Support Total			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SUPPLIES									
Supplies	list supplies	660003	\$ 44	\$ -	\$ -	\$ -	\$ 44	\$ -	\$ 44
Supplies Total			\$ 44	\$ -	\$ -	\$ -	\$ 44	\$ -	\$ 44
OTHER EXPENSES									
Other Expenses Total			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SUB-CONTRACTOR									
Sub-Contractor Total			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EQUIPMENT									
Equipment Total			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL DIRECT COSTS			\$ 2,522	\$ 5,000	\$ 2,478	\$ 5,000	\$ 5,000	\$ 10,000	\$ 15,000
MTDC			\$ 2,522	\$ 5,000	\$ 2,478	\$ 5,000	\$ 5,000	\$ -	\$ -
INDIRECT COSTS	0.0%	662994	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL COSTS			\$ 2,522	\$ 5,000	\$ 2,478	\$ 5,000	\$ 5,000	\$ 10,000	\$ 15,000

TRUE

TRUE

TRUE

TRUE

TRUE

TRUE

TRUE

TRUE

TRUE

TRUE

**Modified Total Direct Costs (MTDC) consists of all salaries and wages, fringe benefits, materials, supplies, services, travel and subgrants and subcontracts up to the first \$25,000 of each subgrant or subcontract (regardless of the period covered by the subgrant or subcontract). Modified total direct costs shall exclude equipment (hardware which exceeds the unit cost of \$5000) capital expenditures, charges for patient care tuition remission, rental costs of off-site facilities, scholarships, and fellowships as well as the portion of each subgrant and subcontract in excess of \$25,000.*

cost share: 66.67%

Project Summary

Economic and Environmental Sustainability (CalForest WRX³)

Headwaters Fund Mini Grant Proposal

PI Ho Yi Wan, Humboldt State University

This project aims to answer this overarching question – What are the capitalization and annual funding distribution needs required to restore forest health on a landscape level?

1. What is the baseline fire risk model using existing fire, climate, topography, socioeconomic, cultural values and forest composition data?
 - a. Gather and compile dataset (e.g., GIS layers),
 - b. Assemble existing restoration costs and associated variables.
 - c. Identify existing models, active modelling research, opportunities for synergy, underlying assumptions
2. What are the suitable timber harvest locations based on product requirement (e.g., tree size, height, etc.) and logistical requirement (e.g., road access, slope, etc.)?
 - a. Gather information on existing/proposed timber harvest plans on public and private lands in the study region.
 - b. Develop models based on different scenarios of investment in harvesting and processing technology.
3. What are the most effective treatment locations to reduce fire risks (i.e., stands of high fire risks) that can provide timber in a financially feasible way for the Cassests products?
 - a. Use findings from (1) and (2)
 - b. Integrate revenue flow from smaller diameter trees and biomass based on anticipated market value driven by value-added product production (e.g., top 3 known- housing and building materials)
 - c. Integrate treatment costs based on variables that would drive costs (distance to processing facility; slope; distance to road; road conditions; stand condition)



CAL POLY HUMBOLDT
Sponsored Programs Foundation

SPONSORED PROGRAMS FOUNDATION
P.O. Box 1185
Arcata, CA 95518
Phone: (707) 826-4189 Fax: (707) 826-4783

September 30, 2022

Headwaters Fund Board of Directors
c/o Economic Development Division
825 5th Street, Ste 112
Eureka, CA 95501

I am writing on behalf of Humboldt State University Sponsored Programs Foundation (SPF), an auxiliary and fiscal agent of Cal Poly Humboldt. It is our pleasure to support Principal Investigator Ho Yi Wan on his proposal to the County of Humboldt Headwaters Fund, entitled "*Conservation Modelling for California Forest Wildland Restoration for Social, Economic and Environmental Sustainability (CalForest WRX³)*."

Please accept this letter as confirmation of Dr. Wan's commitment to completing the scope of work detailed in his application letter and to submitting deliverables in a timely manner.

It is our understanding that SPF will be allocated funds in the amount of \$5,000 for Dr. Wan's efforts as described in his application.

The Sponsored Programs Foundation will also provide \$10,000 as a contribution to the program should this grant opportunity be funded. We look forward to partnering with the County of Humboldt in support of Dr. Wan's exciting work in wildlife conservation, forest health, and local economic development.

Sincerely,

DocuSigned by:

Kacie Flynn

778F1AA3FF8A405...

Kacie Flynn, Executive Director

FABRIC

Workshop

June 6, 2022

To: Conservation Investment Germinator – CalForest WRX³ Alliance

Re: Statement of Participation

To Whom it May Concern:

On behalf of Fabric Workshop, I am writing to express my commitment to participating in the CalForest WRX³ Alliance.

Based in Truckee and San Francisco, California, Fabric Workshop is a megafire mitigation company creating high performance buildings and materials designed and sourced specifically to utilize undervalued and discarded timber from California's megafire prevention projects.

Our approach combines advanced material research, timber prefabrication, industrialized construction, and regenerative forestry practices with the goal of establishing a distributed network of regional manufacturing facilities utilizing local timber for specific building applications.

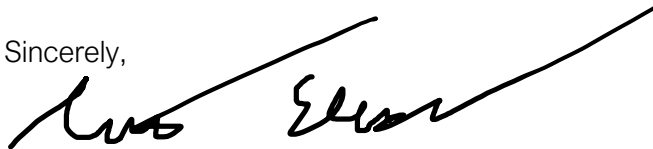
As a participant of the CalForest WRX³ Alliance, we are committed to supporting business development that helps secure commercial demand for biomass and advances climate-smart technologies that lend to improved social, economic, and environmental conditions. Securing commercial demand will help facilitate fuels reduction through increasing revenue potential from forest health treatments and ensuring forest fiber is removed from the forest after it is harvested.

We support the Cal Forest WRX³ efforts and proposed project because they further the critical leadership, coordination, and infrastructure development needed to enhance forest management investment. The project will deliver broad public benefits in terms of reduced, high-severity wildfire risk, improved water quality and quantity, improved habitat conditions, increased carbon sequestration and decreased greenhouse gas emission.

At Fabric Workshop, we're taking a novel, holistic approach to solving the immensely complex and interconnected climate, wildfire, and affordability crises affecting communities across the West.

Whether urban, rural, or suburban we all share the impacts of these challenges, and it is only through collaborative efforts that we will overcome them. That is the core mission of Fabric Workshop, and we are committed to the CalForest WRX³ Alliance as part of this essential partnership.

Sincerely,

A handwritten signature in black ink, appearing to read 'Scott Ehlert', written over a long, thin horizontal line that spans across the width of the signature.

Scott Ehlert

FABRIC

Workshop

CEO, Fabric Workshop



P.O. Box 68
Korbel, CA 95550
(707) 668-4400
greendiamond.com

June 8, 2022

To: Conservation Investment Germinator – CalForest WRX³ Alliance

Re: Statement of Participation

To Whom it May Concern:

On behalf of Green Diamond Resource Company, I am writing to express my interest in participating in the CalForest WRX³ Alliance.

Green Diamond Resource Company (GDRC) is a fifth-generation, family-owned forest products company that owns and manages 2.3 million acres in the Western and Southeast U.S. The California division was established in the 1940's and currently employs approximately 180 employees who manage over 376,000 acres of land in Humboldt and Del Norte counties. In addition to managing timberlands in California, we operate a wood chip export business on Humboldt Bay for the export of woodchips to markets in Japan and China, and to domestic markets in the Columbia River area.

As a participant of the CalForest WRX³ Alliance, we are committed to supporting business development that helps secure commercial demand for biomass and advances climate-smart technologies that lend to improved social, economic, and environmental conditions. Securing commercial demand will help facilitate fuels reduction through increasing revenue potential from forest health treatments and ensuring forest fiber is removed from the forest after it is harvested.

We support the Cal Forest WRX³ efforts and proposed project because they further the critical leadership, coordination, and infrastructure development needed to enhance forest management investment. The project will deliver broad public benefits in terms of reduced high-severity wildfire risk, improved water quality and quantity, improved habitat conditions, increased carbon sequestration and decreased greenhouse gas emission.

This project will create significant operational efficiencies for forestry companies and agencies in the area. It will create a stable market demand for underutilized woody biomass in the California North Coast region and contribute to a wood products business ecosystem in Humboldt County.

Respectfully,

A handwritten signature in blue ink, appearing to read "Jason Carlson", with a long horizontal line extending to the right.

Jason Carlson
Vice President & General Manager
Green Diamond Resource Company, California Operations

File Code: 1560
Date: September 29, 2022

Headwaters Fund Coordinator
c/o Economic Development Division
825 5th Street, Suite 112
Eureka, CA 95501

Dear Headwaters grant application review board:

In an era of ever-growing catastrophic wildfires and changing climate conditions, it is more imperative than ever that we work together across physical and jurisdictional boundaries to protect the lands and communities we serve. To achieve this, I am writing to support Dr. Ho Yi Wan's grant application to Headwaters for "Conservation Modeling for California Forest Wildland Restoration for Social, Economic, and Environmental Sustainability."

This work is being proposed as part of the CalForest WRX^{3S} alliance, which was formed in 2019 to address the myriad of risks to communities in northwestern California that arise from the overstocking of small diameter trees and biomass on forest lands. This alliance convenes partners from government, private, tribes, academia, and non-profits to support an all-lands approach to promote forest health and community well-being. The key strategy we are convening around is to create economic drivers in emerging high-value forest product markets to fuel forest thinning.

The results of this project will immediately benefit local communities and will impact our regional and global community well into the future. The benefits include forest thinning and biomass removal that will provide multiple lasting benefits to the watershed health and to downstream communities, including wildfire risk reduction, improved wildlife habitat, safeguarded water supplies, carbon storage, local jobs, and increased forest health and resilience to future stressors. This research will increase the pace and scale of forest restoration by creating a market mechanism to implement a forest-wide Fire and Fuels Environmental Assessment currently under analysis. That assessment would provide a significant source of feedstock for forest product manufacturing.

This partnership and alliance will not only invest in the health our forest(s) and grasslands, but also create a sustainable local marketplace for overstocked forest lands with small diameter timber and biomass. I look forward to working with Dr. Wan and the CalForest WRX alliance in pursuit of improving our communities' well-being by seizing creative opportunities to improve forest health through economic innovation.

Sincerely,

KARI OTTO
Acting Forest Supervisor

cc: Christy Prescott





Redwood Region Economic Development Commission
325 2nd Street, Suite 203, Eureka, California 95501
Phone 707.445.9651 Fax 707.445.9652 www.rredc.com

June 27, 2022

To: Conservation Investment Germinator, CalForest WRX³ Alliance Program

From: Redwood Region Economic Development Commission

Re: Statement of Participation in CalForest WRX³ Alliance

To Whom it May Concern:

On behalf of the Redwood Region Economic Development Commission (RREDC), I am writing to express interest in participating in the CalForest WRX³ Alliance.

RREDC is a collaboration with Humboldt County communities dedicated to expanding economic opportunity in Humboldt County. We create opportunity and support the growth of local businesses. We lead projects of regional significance, make loans, and offer business consulting through our partner, the North Coast Small Business Development Center.

As a participant in the CalForest WRX³ Alliance, we are committed to supporting business development that helps secure commercial demand for biomass and advances climate-smart technologies that lend to improved social, economic, and environmental conditions. Securing commercial demand will help facilitate fuels reduction through increasing revenue potential from forest health treatments and ensuring forest fiber is removed from the forest after it is harvested.

We anticipate that many of the emerging businesses from the entrepreneurial ecosystem that the CalForest WRX Alliance is cultivating may look to us as a lender for business and infrastructure investment.

We support the Cal Forest WRX³ efforts and proposed project because they further the critical leadership, coordination, and infrastructure development needed to enhance forest management investment. The project will deliver broad public benefits in terms of reduced high-severity wildfire risk, improved economic conditions, improved water quality and quantity, improved habitat conditions, increased carbon sequestration, and decreased greenhouse gas emission.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Gregg Foster', is written over the word 'Sincerely,'.

Gregg Foster
Executive Director



Cities Arcata · Blue Lake · Eureka · Ferndale · Fortuna · Rio Dell · Trinidad
Community Services Districts Humboldt · Manila · McKinleyville · Orick · Orleans · Redway · Willow Creek
Humboldt Bay Harbor, Recreation and Conservation District · Humboldt Bay Municipal Water District
County of Humboldt · Hoopa Valley Tribe · Redwoods Community College District



WESTERN KLAMATH RESTORATION PARTNERSHIP



June 10, 2022

To: Conservation Investment Germinator – CalForest WRX³ Alliance

Re: Statement of Participation

To Whom it May Concern:

On behalf of the Western Klamath Restoration Partnership (WGRP), I am writing to express our interest in participating in the CalForest WRX3 Alliance (Alliance) and in support of this grant application.

WGRP is a collaborative taking a holistic approach to managing forests, fire, watersheds, and in working with communities across a 1.2-million-acre planning area in Humboldt and Siskiyou Counties, which also largely follows Karuk Tribe indigenous territory. Our mission is to “restore and maintain resilient Klamath ecosystems, communities, and economies guided by cultural and contemporary knowledge.” The partnership is a culmination of decades of work by the Karuk Tribe and local, non-governmental organizations to restore fire and watershed processes throughout Karuk aboriginal territory and beyond. We see close alignment with our mission and the mission of the Alliance, hence our interest in participation.

We are situated in the Klamath River basin, where there are significant ecosystem services and socioecological resources that we seek to protect and restore through our projects. Past forest management of fire suppression and timber production have resulted in dangerous levels of accumulated fuels which pose extreme wildfire risk to the landscape. Our projects focus on restoring the ecological process of fire and often require manual and mechanical thinning treatments first, in order to reintroduce fire safely. Thinning activities often result in small diameter logs and large numbers of burn piles that are burned in place due to limited management alternatives—this is problematic, logistically difficult to address, and increases the risk of severe wildfire. But also represents opportunities in a partnership with the Alliance.

Improving forest health by removing excess fuels is a critical first step to reintroducing fire on the landscape in our endeavor toward fire resilient landscapes and communities. Our group innovatively brings together indigenous and western science for how to realize these goals. The Karuk Tribe’s once widespread use of fire is central to our work.

As a participant of the CalForest WRX³ Alliance, we are committed to exploring business development opportunities that help secure demand for biomass and advances climate-smart technologies that improve social, economic, and environmental conditions.

We support the CalForest WRX³ efforts and proposed project because they further the critical leadership, coordination, and infrastructure development needed to enhance forest management investment. The project will deliver broad public benefits in terms of reduced high-severity wildfire risk, improved water quality and quantity, improved habitat conditions, restored ecological processes, increased carbon sequestration and decreased greenhouse gas emission.

Sincerely,

A handwritten signature in blue ink that reads "Jodie Pixley". The signature is written in a cursive, flowing style.

Jodie Pixley

**COUNTY OF HUMBOLDT
REQUEST FOR PROPOSALS
FOR LENDER SERVICES**

Release Date: December 2, 2013
Closing Date: January 31, 2014
RFP Number: 181

CONTACT PERSON:

Dawn Elsbree
Headwaters Fund Executive Director
County of Humboldt
520 E Street, Eureka, CA 95501
(707) 476-4805 Fax (707) 445-7219
delsbree@co.humboldt.ca.us

I. IMPORTANT DATES.

Issue RFP	December 2, 2013
Deadline for Written Questions	5p.m., PST, January 10, 2014
Proposal Submittal Deadline	5p.m., PST, January 31, 2014
Estimated Notification of Selection	February 15, 2014
Estimated Agreement Date	February 28, 2014

This schedule may be subject to change.

II. INTRODUCTION. The County of Humboldt's (County) Headwaters Fund is seeking proposals from Banks, Credit Unions, Regional Economic Development Corporations, financial management, loan servicing and other financial institutions for its Revolving Loan Fund (RLF) program. The primary management objective of the fund is to maximize the amount of money working within the community providing economic development benefits while preserving the Headwaters Fund principal.

The purpose of the RLF program is to:

- A. Provide gap financing for businesses.
- B. Generate capital through interest payments on loans.

The County is seeking proposals from financial institutions to utilize Headwaters Fund RLF monies in participation loans and/or as a financing source for a gap in the local capital market. All Headwaters Funds must be used within Humboldt County, CA. Firms may apply for access to Headwaters RLF funds under either or both components, in accordance with the Headwaters Fund RLF Manual (attached), and as described generally below.

1. For participation loans, the financial institution will combine existing funds with

Headwaters funds to increase their capacity and the amount of capital available in the County. Financial institutions will propose how they will market, underwrite, match (source of funds and at what percentage participation), utilize, and service loans with Headwaters funds.

2. For a gap in the local capital market, the financial institution will propose a design for a new program, which could utilize the Headwaters RLF for the purpose of economic development within County. The guidelines for any new program development should align with the purpose of the Fund and the management objectives.

For either or both components, the successful financial institution(s) will propose the process and cost for how the following services will be supplied:

- Loan application intake and screening;
- Underwriting;
- Loan origination/setup;
- Long-term tracking;
- Processing and providing monthly statements;
- Collections;
- Customer service;
- Monthly, quarterly, and annual reporting;
- Other tasks as described in the Headwaters RLF Manual; and
- Anticipated return to the Headwaters Fund RLF.

It is anticipated that there may be more than one successful financial institution. Successful financial institution(s) will sign a 3-year contract that is estimated to begin within 30 days from formal acceptance by the Humboldt County Board of Supervisors.

III. BACKGROUND

The Headwaters RLF is one of three Headwaters Fund programs established by the Humboldt County Board of Supervisors in the Headwaters Fund Charter in December 2002. The Charter states that the purpose of the Headwaters Fund is:

1. To use the values principles and strategies of the County's Comprehensive Economic Development Strategy, currently known as Prosperity 2012! to:
 - A. Support the growth of base industry clusters and increase the number of sustainable jobs that pay near or above the median income;
 - B. Enhance the quality of life through social and environmental projects that promote healthy communities and protect and enhance the natural environment.
2. To Manage the Headwaters Fund to:
 - A. Attract and leverage additional capital and grants in the local economy;
 - B. Keep the funds working in the community in perpetuity;
 - C. Reflect community priorities and create maximum public benefit over the long-term;
 - D. Make the decision process objective, non-political and easy for the public to participate in and understand;

- E. Track and publicize the economic, social, and environmental gains.

The management objective is to maximize the amount of money working within the community providing desired benefits while preserving the Headwaters Fund principal.

The RLF structure and activities are as follows:

- A. Investments in businesses and non-profit organizations are made through the Revolving Loan Fund administered by qualified financial institutions working under Board of Supervisor approved contracts.
- B. Potential financing investments include debt and near-equity financing to businesses and non-profit organizations.
- C. Financing will provide capital to a wide range of businesses to fill gaps in the market for available financing, while still maintaining good banking practices.

The last RFP for the RLF was issued in 2003. At that time, two financial institutions applied for and were given contracts to utilize the RLF for their loan programs. Arcata Economic Development Corporation and Redwood Region Economic Development Commission have each had contracts which have been periodically renewed or extended through September 30, 2013. As of September 30, 2013, Arcata Economic Development Corporation had access to up to \$3,000,000 in participation funds through the Headwaters RLF, and Redwood Region Economic Development Commission had access to up to \$3,500,000. The maximum amount that any one successful financial institution shall have access to is \$3,500,000.

The total allocation for the RLF is subject to change, but is currently \$8,000,000. In line with the management objectives of the fund, the County is seeking proposals which will maximize the amount of money to be loaned out within Humboldt County. Since 2003, the total amount loaned out has approximated \$4,000,000, rarely exceeding \$5,000,000. At this point in time, there is approximately \$4,000,000 out in RLF loans and \$4,000,000 available through this RFP. Over time as the current loans are paid off, the amount available will increase.

Also in accordance with the purpose and guidelines laid out in the Charter, the County is seeking proposals which would maximize returns to the fund and preferably show an overall portfolio return to the Headwaters Fund of at least 5-6%.

IV. SCOPE OF WORK

1. For component one – Headwaters Participation Loans, Proposers will describe a program design and costs that will include, but not be limited to, the following:

- A. Identify specific gap loans for Headwaters RLF funds participation that fit with the criteria in the Headwaters Fund RLF Manual;
- B. Identify non-Headwaters RLF sources of funding to match Headwaters Funds;
- C. Stipulate the percentage of Headwaters Funds to participate in loans;
- D. Underwrite loans;
- E. Secure loans;

- F. Execute Participation Agreement with Headwaters Fund for each new loan (this document to be created based on the terms negotiated through this RFP process);
- G. Track and collect loan payments, interest, and late fees;
- H. Collect the debt and re-pay Headwaters portion monthly;
- I. Provide monthly, quarterly, and annual reports as specified in the Revolving Loan Fund Manual; and
- J. Anticipated return to the Headwaters Fund RLF.

2. For component two – New Loan Mechanisms for Headwaters RLF Funds—Proposers will describe a program and costs that include, but are not limited to, the following:

- A. Describe an identified gap in the local capital market;
- B. Describe a program in which Headwaters RLF funds are used to fill this gap;
- C. Identify non-Headwaters RLF sources of funding to match Headwaters Funds;
- D. Underwrite loans;
- E. Secure loans;
- F. Track and collect loan payments, interest, and late fees;
- G. Collect the debt and re-pay Headwaters portion monthly; and provide monthly, quarterly and annual reports as specified in the Revolving Loan Fund Manual; and anticipated return to the Headwaters Fund RLF.

V. PROPOSAL INFORMATION and FORMAT. A qualifying proposal must address all of the points in either or both of the two components of the Scope of Work in the order shown below, as well as any additional information as indicated below:

- A. Cover letter: Describe your financial institution and summarize your qualifications and experience operating the proposed program.
- B. Institutional Experience and References: Describe the experience the financial institution has delivering the scope of work, including descriptions of at least two (2) similar projects wherein the financial institution provided services similar to the scope of work described above. Please include contact information for these two (2) projects so that the County may conduct reference checks using this information.
- C. Staff Experience: Resumes of the key staff that would be assigned to this job.
- D. Cost/Revenue: Budget showing total estimated RLF amount your institution could loan out in the community over the next three years, cost to the County for Headwaters Funds to participate in your program, number of clients to serve, and projected revenue to the County. Detail about how you will ensure at least a 5-6% return to the County on the overall loan portfolio. Final costs will be negotiated upon selection of one or more successful financial institutions.
- E. Design Description: Provide a description (up to two pages) of how you would design, organize, execute and monitor the program.
- F. Insurance Requirements: Provide insurance evidence as specified in Section IX.
- G. Violations: Provide copies of all notices of violations, corrective action notices, enforcement

actions or orders, warning notices, adverse audit findings, and any other violation/noncompliance documentation received by the financial institution.

- H. Proposals that do not follow the format, content, and submittal requirements as described herein, or fail to provide the required documentation, may receive lower evaluation scores or be deemed non-responsive.

VI. PROPOSAL SUBMITTAL

- A. One copy of the proposal shall be received no later than 5:00 p.m., on January 31, 2014. Send Proposals to:

Dawn Elsbree
Headwaters Fund
County of Humboldt
520 E Street, Eureka, CA 95501

Or email to: delsbree@co.humboldt.ca.us

- B. Late proposals shall not be accepted.
- C. All proposals, whether selected or rejected, shall become the property of the County of Humboldt.
- D. Cost of preparation of proposal shall be borne solely by the Proposer.
- E. Proposals shall be signed by an authorized employee in order to receive consideration.
- F. The County will not be responsible for proposals delivered to a person/location other than specified herein.

VII. AWARD CRITERIA AND SELECTION PROCESS. The County is using the competitive negotiation process, wherein the experience of each Proposer is evaluated as it relates to the Scope of Work and meeting the community economic development objectives of the Headwaters Fund; therefore, no award will be based on cost alone. The County is particularly interested in receiving proposals from small, female, minority, and locally owned financial institutions. Each financial institution will be rated using the following criteria and rating schedule:

- A. Proposal Evaluation

EVALUATION CRITERIA	RATING POINTS
Overall experience with financing mechanisms and providing business loans in Humboldt County or other rural counties.	30
Past loan portfolio performance including returns and loan losses, and proof of maintaining good banking practices.	30
Availability and accessibility to County staff.	10
Proposed return to Headwaters RLF.	20
Capacity of organization to fulfill contract.	10
<i>TOTAL POSSIBLE POINTS</i>	100

- B. County staff will notify each bidder of the acceptance or rejection of their proposal. Proposals which meet the minimum qualifications may be referred for a negotiation process with County

staff. The award of any contract is subject to approval by the Humboldt County Board of Supervisors. Final contract(s) will be executed with the County after review and approval by County Counsel based on those negotiated terms.

- C. The County reserves the right to interview selected Proposers before a contract is awarded. The costs of attending any such interviews are to be borne solely by the Proposer.
- D. Conflict resolution shall be handled by County staff upon receiving a timely written objection from the bidder about the procurement process. The County reserves the right to award a contract to the firm or individual that presents the proposal which, in the sole judgment of the County, best serves the interest of the County.
- E. The County reserves the right to reject any or all proposals, to waive minor irregularities in said proposals, or to negotiate with the successful financial institution.

VIII. CONFLICT OF INTEREST and UNDUE INFLUENCE. Proposer warrants and covenants that no official or employee of the County, nor any business entity in which an official of the County has an interest, has been employed or retained to solicit or assist in the procuring of the resulting contract, nor that any such person will be employed in the performance of such contract without immediate divulgence of such fact to the County.

Proposer shall not contact County officers, agents, or employees with questions or suggestions regarding this RFP except through the primary contact person indicated above. Any unauthorized contact may be considered undue influence and cause for disqualification of the Proposer.

IX. INSURANCE REQUIREMENTS. The successful Proposer shall furnish County with certificates and original endorsements affecting the required insurance coverage prior to execution of a Contract by County. The endorsements shall be on forms as approved by the County's Risk Manager or County Counsel. The successful Proposer shall provide a Certificate of Insurance naming County of Humboldt as additional insured for the following:

- A. Employer's liability insurance in the amount of at least \$1,000,000 per accident for bodily injury and disease as required under the applicable laws relating to workers' compensation insurance, all of their employees working on the agreement, in accordance with the Workers' Compensation and Insurance Act, at Division IV of the Labor Code of the State of California and Acts amendatory thereof.
- B. Comprehensive or Commercial General Liability Insurance at least as broad as Insurance Services Office Commercial General Liability coverage (occurrence from CG 0001), in an amount of \$1,000,000 per occurrence. Professional liability insurance/errors and omission coverage in an amount no less than \$1,000,000 combined single limit (CSL). If insurance is written on a claims made basis, Contractor agrees to maintain such insurance in effect for at least three (3) years following completion of performance under this Agreement. If work involves explosive, underground or collapse risks, XCU must be included. If a general aggregate limit is used, either the general aggregate limit shall apply separately to this project or the general aggregate shall be twice the required occurrence limit. Said policy shall contain, or be endorsed with the provision that the policy shall not be canceled without thirty days prior written notice (ten days for non-payment of the premium) to the County by certified mail.
- C. Automobile liability insurance with coverage at least as broad as Insurance Services Office

form CA 0001 06092, Code 1 (any auto), for vehicles used in the performance of this Agreement with minimum coverage of not less than \$1,000,000 per accident combined single limit (CSL). Such policy shall contain or be endorsed with the provision that coverage shall not be canceled without thirty-days prior written notice (ten-days for non-payment of premium) to County by certified mail.

- D. The policy shall not be cancelable without thirty days advance written notice to the County, and shall be in a form and by a surety approved by the County.
- E. In the event the policy is canceled prior to the completion of the project and the Contractor does not furnish a new Certificate of Insurance prior to cancellation, the County may obtain the required insurance and deduct the premium(s) from contract monies due to the Contractor.
- F. If the policy is a claims made policy, the policy shall contain language providing coverage up to six months following the completion of the contract in order to provide insurance coverage for the hold harmless provisions herein.
- G. As used above, the term "Contractor" includes the Contractor, and its officers, agents or employees.

X. INDEMNIFICATION. Contractor agrees to indemnify, defend and save harmless County, its Board of Supervisors, its officers, agents, employees, and volunteers from any and all claims and losses, whatsoever, accruing or resulting from any and all contractors, subcontractors, material men, laborers and any other person, firm or corporation furnishing or supplying work, services, materials, or supplies in connection with the performance of this agreement, and from any and all claims and losses accruing or resulting to any person, firm or corporation who may be injured or damaged resulting from any wrongful acts, errors and omissions, or negligence of Contractor, its agents and employees, pertaining to the performance of this agreement.

XI. ASSIGNMENT. Any contract resulting from this bid and any amendments or supplements thereto shall not be assignable by the successful bidder either voluntarily or by operation of law, without the written approval of the County, and shall not become an asset in any bankruptcy, receivership or guardianship proceedings.

XII. INQUIRY. All questions regarding RFP#1181 are to be submitted in writing to the contact person listed above for this RFP. All questions must be submitted no later than January 10th, 2014. The answers will be researched and provided in writing to all known Proposers after the deadline for questions has passed.