NORTH COAST RESOURCE PARTNERSHIP

EXHIBIT A
PROPOSAL COVER PAGE

Proposal Type

[X] Concept Proposal for Demonstration Projects and Processes

Organization Name (Lead Applicant)

Cloud Forest Institute - Forest Reciprocity Group

Organization Type

[ ] Federally recognized Indian Tribe

[ ] California State Indian Tribe

[ ] Public agency

[ ] Local or state agency/special district

[ ] Resource Conservation District

[X] Non-profit organization

[ ] Public utility

[ ] Other: _____

Organization Statement of Qualifications

Key members of the Forest Reciprocity Group who will be directly engaged with the Project and their qualifications include:

Brenda Quintero

Brenda has a strong history of leadership in Climate Protection, Food and Housing Justice, and working with TREES in the aftermath of devastating wildfires. Past work history includes Director of Finance &Operations, ICLEI - Local Governments for Sustainability (previously known as International Council for Local Environmental Initiatives) and Director of Finance & Administration, The Climate Group (Agency that focused primarily on Big Business Leaders in Climate Protection). She has eight years experience as a private Consultant in the Nonprofit Arena with focus on fiscal management and compliance of multi-year federal grants, developing handbooks for Employment Policies and Operational Procedures for nonprofits, organizing Board activities and ensuring legal compliance under section 501c(3) of the IRS code for charitable organizations, and start-up work, including but not limited to orchestrating international interests with national programs, administration and full-agency development in the U.S. Brenda's local projects include: Founder, Golden Rocks Permaculture Farm; Founder, Middletown Farmers Market; Co-founder, Valley Fire Phoenix Rising; Founder; TREES as a Community Resource (aka The Trees Project).

Eric Lassotovitch - *Co-Founder, Polecraft Solutions*

Licensed building contractor and small pole timber frame/natural home builder. Eric received his Bachelor of Fine Arts from California College Arts and Crafts, Oakland, CA. He innovates efficient pole frame crafting solutions, and draws plans for clients. The appeal of using the small diameter trees that currently need to be thinned from many tracts of forests in Mendocino County has inspired him to use his drawing skills to manifest new tools and techniques for a unique approach to round-pole timber framing. Energy efficiency, affordability, healthy homes, and appropriate usage of local materials are among his top design considerations. Eric is co-founder, with Colin Gilespi, of Polecraft Solutions. Please see relevant work at https://www.polecraftsolutions.com/.

Douglas Ware

President /CEO/ Sales

With 10+ years of managing, owning, and business-to-business sales experience, Douglas Ware has a vision for developing OCINO, Inc.(California S Corporation) through repurposed recycled lumber materials. Managing/Sales North Cal Wood Products from 2006 to 2009 and developing the first online lumber store, Mr. Ware has been leading for the past two years a Business Prospectus (Salvage Lumber Warehouse, Renera Inc.) in Seattle WA (King County/City of Seattle) which will be a new for-profit component of an existing industry player focusing on collecting, processing, salvage grading, inventorying and coordinating with retail and wholesale partners for distribution, online display, social value and earned LEED certification and other rating systems.

From 2011 to present, Mr. Ware has owned and operated a OCINO showroom in Seattle WA, and developing, managing development of the Salvage Lumber Warehouse and Windermere Real Estate franchise.

Mr. Ware is passionate about environmental and social issues, and been regularly involved in local issues ranging from Board of Directors of Plowshares and USGB.

http://salvagelumberwarehouse.com/

https://www.reneraco.com/

Dane Downing - *District Manager, Covelo Community Services District;*

Dane is an active member of his community focusing his efforts on improving the health and well being of his local watershed and all those who reside therein. Dane is District Manager of Covelo Community Servies District and oversees the functions of his town's wastewater treatment plant—the only one in California that utilizes wetlands and ozone to process effluent. He volunteers as Vice Chair for the Board of the Round Valley County Water District and as Board Treasurer for the Round Valley Area Municipal Advisory Council as well as with local and regional non-profit groups aimed at monitoring water quantity and quality in the Eel River watershed. Nearly 20 years ago Dane began seeking solutions to catastrophic forest fuel loads. As an artist and with his interest in carpentry, he researched, developed a feasibility study, and eventually created a business plan in small log utilization and other forest health solutions.

Colin Gillespie - *Co-Founder, Polecraft Solutions*

Colin Gillespie has worked in the construction trades for over 20 years. He has had training and experience in eco-forestry, Permaculture design, and natural building, as well as degree in sociology. He has built several homes and structures that combine the benefits of modern and ancient building techniques into elegant round-pole timber frames straw bale infill constructions. He has had extensive experience in with fire resistant clay and lime plasters, sculpted cob, and waxed earthen floors. He has dedicated himself to the creation of highly efficient, healthy homes for living in harmony with nature. Collin is co-founder, with Eric Lassotovitch, of Poleraft Solutions. Please see relevant work at https://www.polecraftsolutions.com/.

Jenny Burnstad

Jenn**y** is the Co-Founder / Fiscal Director / Treasurer of Cloud Forest Institute (https://www.cloudforest.org/) and co-founded Forest Reciprocity Group (https://www.forestreciprocity.org). She has over 20 years experience with non-profit multi-fund accounting management. Jenny is a QuickBooks Coach and former Small Business Development Center Bookkeeping Consultant.

Govinda Dalton

Govinda has been thinning small diameter trees on his forestland and using the round poles to build lodges and other meaningful structures for over 20 years. The catastrophic fire that tore through Mendocino County in 2008 skirted or moved right through the thinned forestland he's been tending with little damage to tree stands. Govinda is the Media Technician and founder of Spirit Resistance Radio. He is on the International Indian Treaty Council, is part of the Indigenous Environmental Network, the Western Shoshone Defense League; and has held a key role in forest preservation activism. Govinda is also on the Board of Directors of Cloud Forest Institute.

Kyra Rice

Kyra is a working artist, educator, and ecologic and food systems health practitioner. She worked four years in salmon habitat restoration with Turtle Island Restoration Network – SPAWN, and Friends of Sausal Creek in revitalizing paved & piped waterways in Oakland, CA. Kyra has designed and managed two public school and non-profit educational, organic production garden programs, and holds a certificate

in Ecology Action's *Grow BioIntensive* carbon sequestering mini-farming methods. Kyra is a Board member of Cloud Forest Institute, and is on the spokes council of Mendocino County Climate Action Advisory Committee. Kyra has extensive experience in Web based networking, interface design, and administration, and is the developer of the Web sites for FRG www.forestreciprocity.org, and Cloud Forest Institute, http://.cloudforest.org/. Kyra holds a degree in visual arts from California College of Arts and Crafts and a graduate certificate in education.

Sharon Lloyd

Sharon Lloyd is an architect. She received her degree from the University of California at Berkeley and prior to this was one of the founding members of the Southern California Institute of Architecture (SCI-Arc). She has worked in Los Angeles, San Francisco and the Monterey peninsula area in a variety of roles giving her a broad range of experience in the architectural field. Prior to relocating to Mendocino County her focus was in the field of Organic Architecture primarily at the office of Mickey Muennig in Big Sur. Sharon is currently designing and building a self-sufficient "Tiny House On Wheels".

List of links to relevant work:

www.forestreciprocity.org

https://www.polecraftsolutions.com/

www.reneraco.com

www.salvagelumberwarehouse.com

http://.cloudforest.org/

References:

John Haschak, 3rd District Supervisor Mendocino County

ph: 707-972-4214, e: haschakj@mendocinocounty.org

Patrick Higgins, Executive Director, Eel River Recovery Project

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NCRP DEMONSTRATION PROJECT AND PROCESSES CONCEPT PROPOSAL BUDGET AND SCHEDULE

Project Name: ___ Forest Reciprocity Group - Forest and Mill Restoration for Fire Safe Housing Outcomes

Major Tasks	Task Description	NCRP Task Budget	Funding Match *	Total Task Budget	Scaled NCRP Budget **	Start Date	End Date
Project Administration	In cooperation with the County of Humboldt sign a sub-grantee agreement for work to be completed on this project. Develop invoices with support documentation. Develop systems and tracking expenses, policies, permits, budget to actual data, contractual agreements, compliance with said agreements, and deadlines. Manage cashflow for Project.	$14,400.00	$10,000.00	$24,400.00	$10,000.00	7/1/20	7/1/21
Project Tracking and Reporting	Data collection, performance measures, quarterly project reporting on progress of the Project	$10,000.00	$8,000.00	$18,000.00	$9,200.00	9/1/20	7/1/21
Obtain permits, purchase materials and install power	Work with the county of Mendocino to acquire permits for installing power and remodeling needed components to the warehouse space for Project. Obtain Use permit from Mendo planning department for use of 17,000 square feet of internal warehouse space. Purchase materials and install power	$20,000.00		$20,000.00	$16,000.00	7/1/20	11/1/20
Design and engineering of warehouse space	Design, draft and get engineering accomplished for rehabilitating defunct mill site	$18,200.00	$11,800.00	$30,000.00	$18,200.00	7/1/20	11/1/20
Establish partnerships	Obtain contracts with various project partners for building repairs, installations, roundwood collections and delivery, specialized milling, and quantification of greenhouse gas reduction on Project.	$1,500.00	$1,500.00	$3,000.00	$1,500.00	7/1/20	4/1/21
Establish lease	Establish lease agreement and pay monthly rents	$25,000.00	$50,000.00	$75,000.00	$12,500.00	9/1/20	6/30/21
Obtain insurance	Research needs and policies for milling operations and obtain insurance. Cost reflects mandatory policies as well.		$2,950.00	$2,950.00		**7/1/20**	**6/30/21**
Set up utilities	Setup and pay monthly utilities	$4,500.00		$4,500.00	$4,500.00	9/1/20	7/1/21
Repair facility	Wall and roof repairs to bring building up to use	$10,000.00	$3,000.00	$13,000.00	$7,500.00	8/1/20	12/15/20
Build out internal workstations	Design and engineering of workspace, workstations for receiving logs, washing logs, storing logs for drying, processing and milling, and storing end product	$2,500.00		$2,500.00	$2,000.00	8/1/20	12/15/20
Install internal wall system & security	Internal cyclone fencing and security cameras installed	$5,000.00	$2,000.00	$7,000.00	$3,000.00	7/1/20	8/15/20

Order and purchase machinery	Rails and frame sets w/extensions; flat carriages; mortising machines; Super Sasquatch; carpenter chainsaw; 10” mill; material handling equipment; peeling & washing stations including high power pressure log washing setup, catchment tubs and bark disposal facilities, and overhead gantry chain hoists. Price include tax and shipping costs.	$104,400.00		$104,400.00	$50,000.00	8/1/20	12/31/20
Supplies	Office supplies, chisels, drills and drill bits, blades, belts, refurbishing of blades	$5,500.00		$5,500.00	$5,000.00	7/1/20	6/1/21
Install machinery	Installation of equipment in appropriate workstations	$3,000.00	$1,500.00	$4,500.00	$2,500.00	8/1/20	8/15/20
Milling	Hire professionals and complete milling of kits and grading.	$3,000.00		$3,000.00	$1,800.00	12/1/20	1/31/21
Specialized equipment	Specially designed equipment primarily used in roundwood construction		$25,000.00	$25,000.00		7/1/20	8/1/20
Cabin kit design & engineering	Design and engineering work resulting in full building plans for two different cabin kits		$30,000.00	$30,000.00		7/1/20	2/1/21
Production	Produce one cabin kit from roundwood, and produce one cabin kit from notch and groove design cabin. (Milling, joinery, test-fitting, packing)	$20,000.00	$20,000.00	$40,000.00	$20,000.00	11/15/20	6/30/20
Project Closeout	Finalize project, press release, outreach event and web update	$3,000.00	$1,600.00	$4,600.00	$2,000.00	5/1/21	7/1/21
Total NCRP 2020 Demonstration Project Request		**$250,000.00**	**$167,350.00**	**$417,350.00**	**$165,700.00**		

*** List the sources and status of matching funds:**
Matching funds in Administration, Reporting, Design/engineering of warehouse space, Establish Partnerships, Repair facility, Install internal wall, Install machinery, Production, and Project Closeout are from estimated value of volunteer hours from various Project partners (agreements reached); Lease match is from value of discounted rents from Salvage Lumber Warehouse (agreement reached); Comprehensive Insurance is paid for by Cloud Forest Institute (fiscal agent, policy in hand) and Property Insurance is provided by Salvage Lumber Warehouse (agreement reached); Specialized equipment is provided by partner Polecraft Solutions; Cabin kit designs are donated by The Trees Project (now merged with Forest Reciprocity Group) and Polecraft Solutions (plans for both are in hand).

**** Is Requested Budget scalable? If yes, indicate scaled totals; if no leave as $0.**

Project scalability information for the reviewers (optional): While we have a scalable version, this version significantly reduces efficacy of the pilot project. In our fully funded proposal (which is 60% of total costs), FRG is matching $167,350 of costs, including volunteer professional contracts and labor, plans, equipment, production, administration and a huge bonus value with a donation of warehouse space from Salvage Lumber Warehouse. Although the scaled-back version will provide for minimum output, it will not provide for an optimized output, which is essential to the whole project goal: to provide an operational, well-documented replicable model for future use. With the looming mega-drought predicted by NASA, and the significantly enhanced economic crisis, the optimized version is critical for the survival of our community.

Contact Name/Title

Name: Brenda Quintero

Title: Project Manager, Forest Reciprocity Group

Email: goldenrocksfarm@gmail.com

Phone Number (include area code): 707-987-8719

Organization Address (City, County, State, Zip Code):

PO Box 73, Boonville, CA 95415

Authorized Representative (if different from the contact name)

Name: Jenny Burnstad

Title: Fiscal Director, Treasurer, Cloud Forest Institute

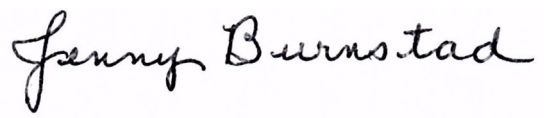
Email: jen@cloudforest.org

Phone Number (include area code): 707-380-5059

Certification of Authority

By signing below, the person executing the certificate on behalf of the proposer affirmatively represents that s/he has the requisite legal authority to do so on behalf of the proposer. Both the person executing this proposal on behalf of the proposer and proposer understand that the NCRP is relying on this representation in receiving and considering this proposal. The person signing below hereby acknowledges that s/he has read the entire Request for Proposals document and has complied with all requirements listed therein.

Official Authorized to Sign for Proposal



Signature

May 21, 2020

Date

NORTH COAST RESOURCE PARTNERSHIP

EXHIBIT C
CONCEPT PROPOSAL FOR DEMONSTRATION PROJECTS AND PROCESSES

Please complete a Concept Proposal (maximum 5 pages) that demonstrate an understanding of the NCRP and the NCRP RFFC grant goals and objectives and describes a proposed approach for demonstration projects, including (but not limited to) innovations in vegetation management, evaluation of new equipment and practices, tool/template development, programmatic approaches to regulation/permitting, policy enhancements, economic innovations and opportunities.

Project Name:

Forest Reciprocity Group – Forest and Mill Restoration for Fire Safe Housing Outcomes

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1. The intended purpose of this Project is to demonstrate how communities can benefit from reducing forest fuel loads by using harvested small poles to produce fire resistant homes, for local construction, and to manufacture kits to sell regionally. Wildfires devastate our forested region, engulf homes and businesses, and produce significant greenhouse gas emissions. Our forests are plagued with fire fuel loads that become source material for future wildfires. When conventional forest fuels reduction work is conducted, the material is typically piled and burned, which adds to global emissions. Taking additional action in this crisis is required. Forest fuel loads must be reduced and these materials need to be utilized more purposefully. The Project addresses current fuel load issues with innovative solutions. Regionally, fuel loads are mostly comprised of suppressed growth trees. Suppressed growth means high quality building materials. Combining this material with innovative home designs produces an economic development model of restoring forest health and community wellbeing. The Project sees this model as replicable in all forested regions. The major components of the Project include revitalizing a defunct lumber mill by bringing electrical services to wood milling equipment, providing a secure workspace, utilizing small logs from a forest fuel reduction project, take building designs to shippable DIY-type kits, and collect data to replicate this model. The Project's collaborators Salvage Lumber Warehouse, Polecraft Solutions, and Forest Reciprocity Group members will design, permit, and route electricity to numerous wood processing stations as well as repair and secure sections of the defunct mill. Small logs brought to the mill will be prepped for drying. The dry logs will be processed to build out each building design for shipping. The Project continues local collaborative efforts dedicated to solving issues of wildfire, greenhouse gas emissions, and lack of affordable housing. The Project promotes forest/watershed restoration to assure both public and ecologic health and safety that thereby results in greenhouse emissions reduction. The Project does so by utilizing materials, otherwise slated to be burned, to build affordable housing kits while generating employment within multiple career tracks.

2. The Project has two specific implementation goals. First, the Project seeks to revive a defunct lumber mill in Calpella, CA. The abandoned Piedmont Lumber mill has fallen into disrepair over time, as have many mills across our region. To revitalize the mill, upgrades will be conducted by a local, collaborative effort of skilled Project participants and professionals. This process will involve securing county permits for the designing and routing of electrical infrastructure to accommodate wood milling equipment, repairing the aged walls and roof, and designing and installing five primary work stations needed to produce the house kits: The Salt Box Pole Frame and the Notch and Groove Cabin. The five initial work stations include (1) small log receiving area with bark peeling and small log power wash station, (2) small log drying/curing rack station, (3) small log milling/shaping station using the electric wood processing equipment, (4) assembly station to pre-assemble the structure affirming fit and function, and (5) packing/ shipping section where components of the house kit are prepared for shipping.
The Project's second implementation goals is to document a replicable model for economic development, forest and watershed health improvement. In order to do so, parameters such as stages, tasks, costs, and time frames necessary to implement this model, will be tracked and collected. Throughout the entire Project, these parameters associated with reviving a section of an abandoned lumber mill, establishing the receiving and processing of small logs, building pre-assembly activities, and packaging each type of house kit will all be documented for future use of this model.

3. The Project addresses several NCRP Goals and Objectives as well as the intent of the Block Grant. This Project has been developed through the efforts of local individuals and groups by gathering their collective knowledge on how best to implement a solution for removal of overburdened, wildfire-causing, small-log forest fuels while solving the glaring regional issues of underemployment and lack of affordable housing. Our county is in large part either economically disadvantaged or severely economically disadvantaged with little sign of any forthcoming sustainable economic development efforts. The Mendocino County region has been plagued with limited employment options for decades due to the collapse of the once thriving, though ultimately unsustainable, resource-based logging industry. These unsustainable practices lead to overburdened forests from rampant regrowth that created catastrophic fuel loads by the end of the 1990's. The catastrophic fuel loads have devolved into the current waves of catastrophic wildfires witnessed with increasing frequency. Again, the problem is the solution. With this Project's forest restoration/home building based economic employment model, a foreseeable turn in the region's depressed economy is at hand. This Project intends to establish an ongoing model for utilizing forest fuel reduction materials to create affordable home kits.
The project further exemplifies the NCRP Goals and Objectives by directly promoting and developing innovative designs and kits for affordable housing. Through tapping into the collective knowledge of the region's innovators of firesafe, affordable housing designs, the Project is set to engage the next step by revitalizing a defunct lumber mill to produce model kits of these housing designs, that will then be assembled for market. It is important to remember the Project is a leading innovator in this field due to its materials being sourced directly from fuels reduction work, its integration of fire-safe technologies, and packaging of affordable, engineered, DIY-kits. Affordable housing has political and practical challenges that have shaped the issues of today. Developers and agencies balk at various stumbling blocks in the process and unfortunately, the result is less affordable housing than there is demand. This Project is the solution to these stumbling blocks in that it empowers the direct-to-consumer/builder market.
The Project intends to use small logs which will be produced from a forest fuels reduction pilot project in the Ten Mile Creek Watershed near Laytonville, CA. Fuels reduction work allows forests to reduce their uptake of water in the critical dry months. The reduction of small trees allows groundwater to be better stored and allows these precious water resources to be available throughout the dry season more evenly. Increases in water availability and ultimately water security assures the stabilization of aquatic habitats as well as the upslope habitats. Fuels reduction also preserves forest habitats by preventing catastrophic wildfire events. This reduction of wildfire potential in turn better assures public safety in preserving human life and property. Additionally, by reducing the likelihood of wildfires, the contribution to harmful greenhouse gas emissions is also reduced and the larger trees left standing are able to continue to sequester CO2. The Project is a regenerative-designed and fully integrated model which includes upgrades to an aging, defunct lumber mill facility, provides affordable housing kits, enhances and restores forest, watershed, species health and diversity, preserves and protects ground water and surface water reserves, reduces wildfire severity, reduces greenhouse gas emissions, increases employment opportunities, improves public safety and community resiliency.

4. The Project intends to utilize small logs sourced from forest fuel reduction work to produce house kits processed in a defunct lumber mill. Regional defunct lumber mills are numerous, the amount of forests needing fuels reduction work is countless, and the need for affordable homes is overwhelming, yet continually growing. This Project has scalable elements with every component. More specifically, this Project intends to further its replicable model of processing "waste" wood into homes via assembling house kits available direct to consumer (i.e. contractors, land owners, DIY home builders, etc.). Paradoxically, the communities most susceptible to wildfires are typically those economically depressed from the collapse of their respective timber industry. With such forests loaded with small logs and with an ever-increasing need for affordable housing, the Project offers a synchronistic solution to empower communities' economic prosperity while providing homes and buildings locally and beyond.
The Project's approach is quite unique and innovative as there are no other known efforts being made to address the epidemic of wildfires through building fire resistant structures and utilizing construction materials produced from fire fuels reduction work. The Project is clearly distinguishable in this field since it is not simply looking to provide defensible space around homes, towns, and cities, rather it is driven to utilize that material to further lessen the fire threat via building fire resistant structures. Inversely, the Project is not simply seeking to use standard, high carbon-footprint materials to provide fire resistant homes rather, the Project intends to use the round wood materials left over from fuels management projects and most ideally utilized from such projects completed onsite. The most original components of the Project's efforts include transforming fire hazards into fire safe homes and buildings while reducing carbon emissions from both grey energy and operating energy. Grey energy can be defined as one-off embodied carbon that is generated in the building's construction itself but does not rise once construction is completed. Operating energy emits carbon throughout the life span of the building; thus, the Project's innovative building design is engineered specifically to minimize the energy required to comfortably operate the building.

5. The need for the Project is exemplified by the record-breaking catastrophic wildfires occurring annually which have been ravaging forests, watersheds, communities, and the atmosphere throughout California. Forest health cannot occur from just standing by and waiting for nature to take care of it. The Project attempts to resolve the crisis created from the effects of current forest practices. Forest health is a pillar of the project in that forest fuels reduction work is essential to forest health and that provides sustainable, low-carbon footprint materials with which to build. Given the climactic changes being witnessed locally and around the globe, further loss of the earth's lungs, the forest, due to wildfires is unconscionable. The problem of climate change and extreme events as a result of greenhouse gas emissions is a well-known issue affecting our North Coast region, the State of California, the western United States, and the world year after year and unfortunately will continue to do so well into the future. Two significant contributors of greenhouse emission often overlooked are wildfires and building construction. Wildfires are understood to be a significant greenhouse gas emission source though what is less known is that they actually have a doubling effect in the emissions equation: emissions from burning forests and forests' worth of destroyed and burned trees no longer able to sequester greenhouse gases. California's 2018 catastrophic wildfires unleashed greenhouse gases which equaled the amount generated by producing a year's worth of electricity for the entire state. In 2017, one week of California's wildfires produced as much CO2 as all vehicles produce in the state for a year. Secondly, buildings are a significant source of climate pollution by generating 39% of the global greenhouse emissions. More specifically, 50% of a new building's carbon footprint is generated through embodied carbon, the carbon emissions from the construction itself. Greenhouse emissions from wildfires are further compounded by the devastating consequence of buildings being consumed in their wake. This cyclically creates greenhouse emissions through the need for new building construction. In order to slow down this vicious cycle, the need for firesafe landscapes and firesafe buildings has never been greater. Thankfully, the Project has developed a replicable model to solve these problems: conduct fire fuels reduction efforts and utilize the materials from those efforts to build low embodied carbon buildings. This solution employs and empowers communities by addressing the issues of fire prone, underemployed, unhoused, and under-housed communities while addressing two great contributors of greenhouse gas emissions.

6. The defunct mill is located in Calpella, CA, and the Project proposes to upgrade and utilize approximately a 17,000 square foot section out of the 74,000 square foot space. The proposed fuels reduction efforts are to take place in the Laytonville, CA area in Mendocino County's privately-owned forest lands. The small logs used in this Project will encompass a small percentage of the total forest acreage thinned as a part of the Ten Mile Creek Pilot Project. The overall size and scale of the Project is being designed for simplicity and track-ability to better facilitate data gathering. The Project's essential goal is to provide a reproducible model. Overall, the communities who will benefit from our work are those persons living within forested communities, those persons living in the wildland/urban interface, as well as high population areas touched by forested lands. These communities are generally comprised of individuals and families, including renters, landowners, those without homes, and business owners. These communities are comprised of both rural and populated areas where forestry practices have left a legacy of overburdened forests, unemployment, and a resulting catastrophic fire risk. More specifically, participants of the Ten Mile Creek Pilot Project will experience greater overall watershed health and fire resiliency as some of the small log material will have been removed and utilized. Another population who will benefit is the underemployed of all working ages. The key economic development component of the Project seeks to support marketable skills and viable careers in the areas of forest restoration, fire fuels management, materials transportation and processing, design and architecture, surveying, data processing, carpentry, and construction. Perhaps the greatest benefit will be serving the global community by addressing significant contributors to greenhouse gas emissions.

7. Cloud Forest Institute, Forest Reciprocity Group, Polecraft Solutions, Salvage Lumber Warehouse, Earthcycles at Greenfield Ranch, Eel River Recovery Project, NorthCal Wood Products, Roots Design Company, John Hashak – 3rd District Supervisor for Mendocino County

8. This Project expects to quantify the time and costs associated with reviving a 17,000 square foot section of a defunct lumber mill. The Project will also determine the steps needed to operationalize the usable mill space to power the equipment needed to process small logs from forest fuel reduction work into buildable, round pole timber frame kits for fire-resistant homes. This project expects to determine the quantity of small logs needed to produce viable house kits, the acreage of forests thinned to supply said number of small logs, as well as the amount of biomass material generated during pole processing. The Project will also quantify the estimated groundwater savings from said acreage being thinned. Finally, the project expects to produce two "ready-to-ship" house kit designs produced from fuels reduction materials.

9. Polecraft Solutions - Engineered Salt-Box Timber Frame Design; Roots Design Company's Engineered Notch and Groove Cabin design; "Disastrous California wildfires emitted as much carbon dioxide as a year's worth of electricity" Washington Times by Valerie Richardson, Friday, November 30, 2018; "The carbon footprint of a building is the sum of 2 things …" Ecohome by Bob Pierson, December 3, 2019; "How Wildfires Can Affect Climate Change (And Vice Versa)" INSIDECLIMATE NEWS by Bob Berwyn, August 23, 2018; Eel River Recovery Project's Report at the Forest and Watershed Health Workshop in Laytonville, CA on January 25, 2020; "Mendocino County Board of Supervisors Reviewing Affordable Housing Requirements" Ukiah Daily Journal by Ariel Carmona, August 23, 2018.

10. The Project's approach to data collection will include members of the Project monitoring the steps for reviving the defunct mill. These steps will be tracked in terms of associated time and costs involved. Project members will further track and monitor the steps for processing a raw log into a useable building material including the associated time and cost elements. Additionally, Project members will track the steps, time, and costs for processing the useable poles into the two types of DIY-kits. These parameters will include the layout, milling, fit and finishing, assembly, disassembly, palletizing, and the estimated regional shipping times and costs. In review of the data collected Project members will further explore parameters such as potential cost-saving equipment needs, possible improvements in operational layout and design, and potential steps or components needing improvement.

The Project's approach to account for performance measures will involve a collective review and exploration of each stage of the Project. Once the data collection is completed a review of that data and resulting discussions will occur to determine how each step and phase of the Project either met, didn't meet, or exceeded expected outcomes.

The Project intends to comprehensively compile a report outlining its understandings of "what it takes" to revive a section of an old abandoned mill into a workable small log processing facility. As a means of doing so the Project members will review all data which was tracked and documented, note what data ought to have been included, determine what data may not have been relevant, and critique the performance measures in seeking greater efficiencies of material processing, production, packaging, and project management/monitoring.

Upon completion of the above mentioned tasks a final report will be drafted and distributed per the Project's reporting requirements. It is the intention of the Project's report to have a web presence on the Project's collaborators websites for replicability in other areas of the region and beyond. The Project intends to report the most efficient way to revive local economies through building firesafe DIY-kits utilizing fuels reduction materials. Lastly, the Project intends to report the quantifiable components from the Ten Mile Creek Pilot Project as it relates to the materials used in the Project's design.