

## **APPENDIX H**

### **Eligibility and Grant Selection Criteria**

#### **Criteria for Project Evaluation and Approval Criteria**

Below are the eligibility and grant selection criteria for GGRF PTEIR for Carbon Sequestrations and Fuels Reduction Projects. These criteria will be the basis for the scope of work for applicants and be used for evaluating and ranking both Concept Proposals and Project Applications.

Projects will be evaluated based on their ability to demonstrate compliance with measured against the following General Project Scoping Criteria and Project Application Criteria:

#### **Eligibility General Project Scoping Criteria:**

- The applicant meets the items listed in the “APPLICANT ELIGIBILITY AND CONDITIONS”.
- ~~The project demonstrates a potential to increase carbon sequestration, decrease atmospheric carbon levels, and reduce the potential for large wildland fires.~~
- ~~The applicant is a smaller nonindustrial timberland owner with 5,000 acres or less of timberland in California.~~
- The applicant shows a high potential for completing the project, has a well defined plan and demonstrates a reasonable likelihood of success, which may be based, in part, on past performance, including completing similar projects.-
- The applicant demonstrates specific, advance planning for long-term forest management and sustainability in that affords carbon sequestration following the conclusion of the grant period and the reporting thereof.
- The project clearly shows how the budget funds will be spent and that costs are reasonable in proportion to the proposed deliverables.
- The total amount requested is appropriate for the scope of the project.
- Greenhouse Gas (GHG) Emission Reduction Requirements:  
All projects shall be designed to meet the goals of the California Global Warming Solutions Act of 2006 (Assembly Bill 32, Health and Safety Code Section 38500 et. seq). Additionally, projects should shall be designed to meet some or all of the GHG emission reduction objectives stated in this ~~guidelines document~~ Procedural Guide. All projects shall include a methodology and calculate and quantify the GHG emission benefits resulting from the project.
- Applicants must provide a methodology and implementation framework for pre and post-project evaluation/monitoring of site conditions and project results. Grantees will be required to implement the evaluation /monitoring framework.

Comment [A1]: MR In Eligibility and Conditions

Comment [A2]: MR same as above

- All project work related to the grant must be completed by December 31, 2019.
- Applicants who are awarded grants will be required to provide CAL FIRE project information to support entry in CAL MAPPER, CAL FIRE’s geo spatial database framework that facilitates mapping and monitoring of GGRF and other CAL FIRE vegetation treatment projects. Information from grantees will include shapefiles or feature class of project boundary (use ESRI ARC GIS, ESRI ArcrView geodatabase, or Google Earth KMZ file types), project type, grantee contact information, project activities and costs, and other information. CAL MAPPER information from grantees will be required at specific times throughout the effective period of the grant including at initial grant award and at periodic invoice billing submissions.

**Grant Selection Criteria**~~Project Application Criteria:~~

*Note: Grant selection criteria will be applicable to both Project Concept Proposals and Project Applications. These criteria correspond to items with the Concept Proposals/Project Applications and are intended to assist applicants when completing the forms. These criteria will be the basis for the scope of work for grantees and be used for evaluating and ranking projects.*

*Note: ~~Project Application Criteria will be applicable to both Project Concept Proposals and Project Applications~~*

- ~~Initial Project Concept Proposal identifies a methodology for sets forth an analysis of timberland conditions and capabilities relative to carbon sequestration and fire resilience.~~
- ~~Project Concept Proposal/Project Applications were submitted according to application due dates.~~
- ~~The Project a/Application contains timelines to implement the project and ways to measure success.~~
- ~~The Project Application clearly defines how the project will be accomplished and includes measurable outcomes (e.g. forest management objectives are defined, growth and inventory is described, monitoring management activities are clear and achievable, etc.)~~
- ~~Project Applications/Project Concept Proposal describes how the following will be achievedProject will provide for the following:~~
  - ~~Increased direct carbon sequestration through increased growth and inventory and long-term uneven-aged management of the timberlands.~~
  - ~~Improved forest resistance to wildland fire, demonstrated through a reduction of forest fuelsfuel reduction treatments, construction of shaded fuel breaks, improved forest health etc.~~
  - ~~Maintenance of large trees across the watershed.~~
  - ~~Optimized timber growth potential of the timberland consistent with maintaining carbon additionality over the baseline.~~
  - ~~Demonstrated GHG reduction achieved by the long-term management of the timberland utilizing measurable metrics to be analyzed in the PTEIR.~~

Comment [A3]: Redundant with bullet 1

Comment [A4]: See #2 below

1. **Scope of Work** - Project is appropriate for the program with clear, complete articulation of intended work, and high achievement of all eligibility and selection criteria contained in the program's Procedural Guide.

2. **Budget** - The project clearly shows how the budget will be spent; costs are reasonable in proportion to the proposed deliverables; direct admin costs reasonable.

3. **Greenhouse Gas Benefits and Emission Reduction Quantification and Methodology** – The project includes a quantitative estimate of the greenhouse gas reduction in terms of metric tonnes of carbon dioxide equivalent. The estimate quantifies and compares the emission reductions of the project vs. emission reductions resulting from no implementation of the project.

Project has substantial GHG net emission reductions on a tonnes/acre, cost/tonne and/or total tonne basis.

The GHG benefits disclosures clearly justify how the project will further the objectives of AB 32 and describes how the proposed project will reduce greenhouse gas emissions or provide benefits from carbon sequestration, reducing potential wildfire impacts, offsetting fossil fuel use, or increasing forest health.

The project includes a detailed description and a technically defensible methodology is used to calculate and quantify the greenhouse gas emission benefits resulting from the project. Numerical calculations can be reviewed and validated. A carbon benefit incorporating the following concepts is demonstrated, in writing, by the Applicant:

- Real (can be measured to a high degree of accuracy and is based on an activity that has occurred, not one that is projected to occur in the future).
- Additional (occurs outside of any regulatory requirement).
- Verifiable.
- Enforceable (ownership is undisputed and enforcement mechanisms exist to ensure all program rules are followed ) and
- Permanent (is removed from the atmosphere for a minimum of 100 years).

The project includes a methodology and implementation framework for pre and post-project evaluation/monitoring of site conditions and project results. The pre and post project evaluation and monitoring address site conditions and project results relative to vegetation conditions, carbon flux, wildfire hazards, and other related factors. The methodology and framework demonstrates reliable estimates, assessments and verification of GHG benefits attainment. A timeframe of evaluation and monitoring activities is included.

CAL FIRE will favor those project applications where the project carbon calculation methodology is clearly explained, and the carbon estimates are deemed reliable and accurate.

4. **Co-Benefits** - A description of the co-benefits of the project is included. Project Applications clearly demonstrate co-benefits will be achieved, as determined by the Department.

Comment [A5]: MR maybe 20 years consistent with deed restriction. Note: deed restriction is only for non TPZ.

Comment [TB6]: Return to this.

Increased carbon sequestration co-benefits may include enhanced wildlife habitat, increased biodiversity, reduced soil erosion, improved water quality, enhanced aesthetics and reduced energy usage. Fuel reduction co-benefits may include the promotion of public safety and reduction of the potential loss of life and property, reduced suppression costs, reduced forest pests, invasive weed control, avoided emissions through the decrease in wildfire severity and acres burned, airshed improvements in non-attainment air basins and offsetting the use of fossil fuels if harvested material is fed to a biomass plant. Preferred co-benefits, include, but are not limited to, socio economic benefits, public health, air quality, jobs, and projects located in a disadvantaged community.

5. **Local Fire Plan or Other Forest Management Plan Compatibility** - Project contains fuel reduction efforts or fuel breaks included in a local fire plan or a conservation plan.

6. **Collaboration and Community Support** - Project shows broad community support, partnerships or collaborative efforts to achieve the GHG benefits. Collaboration and support is demonstrated by presence of planning, involvement by partners, and funding from private and public partnerships contributed to the project. CAL FIRE will favor those projects with substantial levels of collaboration and community support. An indication of collaboration may be that Eligible Landowners, within the Project Area representing a significant portion of the watershed have signed an Agreement stating their commitment to utilizing the PTEIR and, if their land is not in a timber preserve zone, have signed a deed restriction in which the Eligible Landowners agree not to develop the parcel of timberland for uses incompatible with the PTEIR within 20 years of the execution of the Grant Agreement or, if the Department assumes responsibility, the execution of an Agreement.

Comment [TB7]: Define watershed and significant portion.

7. **Assurance of Attaining GHG Emission Reduction Benefits** – A description is included of agreements and other characteristics that will take place to ensure project goals, accomplishments, and GHG emission reduction benefits are maintained, realized, and long lasting. CAL FIRE will favor those projects which demonstrate assurance of accomplishment of GHG emission reduction benefits.

8. **Project Contribution to Multiple GGRF Programs** - Project includes other CAL FIRE GGRF GHG emission reduction/carbon sequestration program activities. CAL FIRE will favor those projects that include multiple GGRF program activities.

9. **Grantee's Past Forest Management History and References** - Applicant has and documents a high potential for completing the project and ability and desire to meet the GGRF grant goals.

10. **Readiness** - Grantee is ready to implement project and has capability to begin work on the project within 12 months of the grant award.

11. **Fire Hazard Severity Zones (FHSZ)** - Project is located in a high or very high fire hazard severity zone.

12. **Community at Risk** – Project is associated with a community that is listed as a Community at Risk.

13. Biomass - Project focuses on utilizing biomass and other solid wood products. An example is wood products from thinning, forest health improvement, and fuel reduction treatment.

14. Forest Management – How the project will be accomplished is clearly defined and includes measurable outcomes (e.g. forest management objectives are defined, growth and inventory is described, monitoring management activities are clear and achievable, etc.) and describes how the project will provide for the following:

- o Increased direct carbon sequestration through increased growth and inventory and long-term uneven aged management of the timberlands.
- o Improved forest resistance to wildland fire, demonstrated through fuel reduction treatments, construction of shaded fuel breaks, improved forest health etc.
- o Maintenance of large old trees across the watershed.
- o Optimized timber growth potential of the timberland consistent with maintaining carbon additionally over the baseline.
- o Demonstrated GHG reduction achieved by the long-term management of the timberland utilizing measurable metrics to be analyzed in the PTEIR.

How the planned long-term forest management through uneven aged management including the retention of large old trees across watersheds will improve carbon sequestration on timberlands is clearly defined. This may be satisfied in part by including the management activities, such as the following, which are consistent with increasing carbon sequestration.

- o Optimize rotation age from a carbon life cycle perspective.
- o Lengthen harvest intervals.
- o Reduce the amount of material removed.
- o Increase growth by thinning, diseased, and suppressed trees.
- o Manage competing brush and short-lived forest species.
- o Plant additional trees where the existing stocks are not fully utilizing the biological potential of the site.
- o Maintain stocks at a high level and/or
- o Extend the riparian zone.

Silvicultural prescriptions and fuel treatments proposed in the Project focus on treating understory trees and brush with a goal of reducing fire hazard, improving tree growth, stabilizing carbon in retained trees, increasing forest resilience, and utilizing vegetative material removed during treatment and the likeliness that forest stands will respond to the management and achieve GHG emission reduction objectives. Post-harvest forest results in an increase in the quadratic mean diameter of the stand, consists primarily of healthy and vigorous dominant and codominant trees. logging slash and woody debris are treated to reduce fuel and meet GHG objectives.

Comment [TB8]: Defined term

Comment [TB9]: Defined term

**Grant Selection Criteria (Program specific)**

15. **Soil Carbon Disturbance** - Soil disturbance is low, as indicated by less than 25% of the project treatment area have substantial soil disturbance.

16. **Dollar Metric** - GHG reduction is estimated per dollar of Grant Funds spent.

17. **Project Area** - The Project Area represents a large portion of the Watershed.

18. **WUI** - Applications contain a documented assessment of need for providing wildfire protection of human infrastructure, especially those located near the WUI, and the means to satisfy that need are attainable, and congruent with achieving the GHG reduction objectives.

19. **Site Class** - The Project is conducted on Site Class I or II, highly productive timberland.

20. **Standing Inventory** - The Project carries a high standing inventory.

Comment [TB10]: Define.

Competing Project Applications will be selected based on degree of conformance with the above criteria.

~~Estimated GHG reduction per dollar of Grant Funds spent using the following formula:  
Metric tons of CO2e emissions reduced over the life of the Project/ Dollars of Grant Funds requested for the Project  
GHG reduction must be estimated using the GHG Quantification Methodology in this Appendix. All applications shall be ranked by the Department from highest to lowest, according to the dollar metric. If six applications are received then 600 points shall be awarded to the highest ranking application and 100 points to the lowest ranking application. If five applications are received then 500 points shall be awarded to the highest ranking application and 100 points to the lowest ranking application and so on.  
A carbon benefit incorporating the following concepts is demonstrated, in writing, by the Applicant:~~

Comment [A11]: MR see #3 above

- ~~Real (can be measured to a high degree of accuracy and is based on an activity that has occurred, not one that is projected to occur in the future).~~
- ~~Additional (occurs outside of any regulatory requirement).~~
- ~~Verifiable.~~
- ~~Enforceable (ownership is undisputed and enforcement mechanisms exist to ensure all program rules are followed ) and~~
- ~~Permanent (is removed from the atmosphere for a minimum of 100 years).~~

Comment [TB12]: Return to this.

~~100 points~~

- ~~Greater than 25% of land owned by Eligible Landowners, within the Project Area, have signed a document stating their commitment to utilizing the PTEIR and, if their land is not in a timber preserve zone, have signed a deed restriction in which the Eligible Landowners agrees not to develop the parcel of timberland for uses incompatible with the PTEIR within 20 years of the execution of the Grant Agreement or, if the Department assumes responsibility, the execution of an Agreement. 10 points. 10 additional points shall be awarded if these Eligible Landowners are not currently engaged in management. 100 additional points will be awarded if these Eligible Landowner(s) are willing to extend the deed restriction requiring that timberlands not be developed for uses incompatible with the PTEIR for a period of 100 years.~~
- ~~Greater than 50% of land owned by Eligible Landowners, within the Project Area, have signed a document stating their commitment to utilizing the PTEIR and, if their land is not in a timber preserve zone, have signed a deed restriction in which the Eligible Landowners agrees not to develop the parcel of timberland for uses incompatible with the PTEIR within 20 years of the execution of the Grant Agreement or, if the Department assumes responsibility, the execution of an Agreement. 50 points. 10 additional points shall be awarded if these Eligible Landowners are not currently engaged in management. 100 additional points will be awarded if these Eligible Landowner(s) are willing to extend the deed restriction requiring that timberlands not be developed for uses incompatible with the PTEIR for a period of 100 years.~~
- ~~Greater than 75% of land owned by Eligible Landowners, within the Project Area, have signed a document stating their commitment to utilizing the PTEIR and, if their land is not in a timber preserve zone, have signed a deed restriction in which the Eligible Landowners agrees not to develop the parcel of timberland for uses incompatible with the PTEIR within 20 years of the~~

Comment [A13]: We have not included scoring in the other programs to avoid influencing applicants.

~~execution of the Grant Agreement or, if the Department assumes responsibility, the execution of an Agreement. 90 points. 10 additional points shall be awarded if these Eligible Landowners are not currently engaged in management. 100 additional points will be awarded if these Eligible Landowner(s) are willing to extend the deed restriction requiring that timberlands not be developed for uses incompatible with the PTEIR for a period of 100 years.~~

Comment [A14]: See #6 above

Comment [A15]: See #6 above

Comment [TB16]: Define

Comment [A17]: Included into #6 above

Comment [TB18]: Define

Comment [TB19]: Define

~~The Project Area represents greater than 25% of a watershed. 10 points.~~

~~The Project Area represents greater than 50% of a watershed. 50 points~~

~~The Project Area represents greater than 75% of a watershed. 90 points~~

~~Greater than 25% of the Project Area is in an area of high or extreme risk, with regard to fire hazard severity zones. 5 points. 10 additional points shall be awarded if a disproportionate risk to an accumulated carbon stock is demonstrated.~~

~~Greater than 50% of the Project Area is in an area of high or extreme risk, with regard to fire hazard severity zones. 25 points. 10 additional points shall be awarded if a disproportionate risk to an accumulated carbon stock is demonstrated.~~

~~Greater than 75% of the Project Area is in an area of high or extreme risk, with regard to fire hazard severity zones. 50 points. 10 additional points shall be awarded if a disproportionate risk to an accumulated carbon stock is demonstrated.~~

Comment [A20]: See #11 above

~~Applications contain a documented assessment of need for providing wildfire protection of human infrastructure, especially those located near the WUI, and the means to satisfy that need are attainable, and congruent with achieving the GHG reduction objectives. 10 points.~~

Comment [A21]: See #5 above

~~The proposed fuel reduction treatments in the Project Scope of Work are well targeted as determined by the Department. 10 points.~~

~~Greater than 25% of the Project Area carries an inventory of more than 50,000 bf/acre. 10 points.~~

~~Greater than 50% of the Project Area carries an inventory of more than 50,000 bf/acre. 50 points.~~

~~Greater than 75% of the Project Area carries an inventory of more than 50,000 bf/acre. 90 points.~~

~~Greater than 25% of the Project Area is classified as Site I (include classification systems for different regions of CA). 5 points. (thereby demonstrating the potential for high carbon sequestration)~~

~~Greater than 50% of the Project Area is classified as Site I (include classification systems for different regions of CA). 25 points. (thereby demonstrating the potential for high carbon sequestration)~~

~~Greater than 50% of the Project Area is classified as Site I (include classification systems for different regions of CA). 50 points. (thereby demonstrating the potential for high carbon sequestration)~~

Comment [A22]: See #14 above

~~Project Applications clearly explain and demonstrate, as determined by the Department, how planned long-term forest management through uneven-aged management including the retention of large old trees across watersheds will improve carbon sequestration on timberlands. This may be satisfied in part by including the management activities, such as the following, which are consistent with increasing carbon sequestration:~~

- ~~— Optimize rotation age from a carbon life cycle perspective.~~
- ~~— Lengthen harvest intervals.~~
- ~~— Reduce the amount of material removed.~~
- ~~— Increase growth by thinning, diseased, and suppressed trees.~~
- ~~— Manage competing brush and short lived forest species.~~
- ~~— Plant additional trees where the existing stocks are not fully utilizing the biological potential of the site.~~
- ~~— Maintain stocks at a high level and/or~~
- ~~— Extend the riparian zone.~~

10 points.

- ~~— Project Applications clearly demonstrate co-benefits will be achieved, as determined by the Department. Increased carbon sequestration co-benefits may include enhanced wildlife habitat, increased biodiversity, reduced soil erosion, improved water quality, enhanced aesthetics and reduced energy usage. Fuel reduction co-benefits may include the promotion of public safety and reduction of the potential loss of life and property, reduced suppression costs, reduced forest pests, invasive weed control, avoided emissions through the decrease in wildfire severity and acres burned, airshed improvements in non-attainment air basins and offsetting the use of fossil fuels if harvested material is fed to a biomass plant. 100 points~~

- ~~● Priority shall be given to projects which in addition to achieving the GHG emissions objectives, have a documented assessment of need for providing wildfire protection of human infrastructure and watershed values, and provide other co-benefits (reduced forest pests, airshed improvements in non-attainment air basins, invasive weed control, improvement to wildlife habitat etc.)~~

~~Competing Project Applications will be selected based on degree of compliance with the above criteria.~~

Comment [A23]: See 3 above

Comment [A24]: See #4 above

Comment [TB25]: Use in the development of the Grant Review Sheet.

Comment [A26]: MR involves several items above, redundant, see 4, 5 & 12 above

## Metrics and Analysis:

~~PTEIRs must clearly explain and demonstrate how planned long-term forest management will improve the carbon sequestration potential of timberlands. This can be expressed through uneven-aged management focused at the retention of large trees across watersheds.~~

One tool to assist applicants in assessing carbon sequestration and GHG emissions resulting from timber harvesting activities is the Greenhouse Gas (GHG) Calculator Spreadsheet. The GHG Calculator Spreadsheet and accompanying GHG Emissions Calculator User Guide can be found on the CAL FIRE website at:

[http://calfire.ca.gov/resource\\_mgt/resource\\_mgt\\_forestpractice\\_pubsmemos\\_memos.php](http://calfire.ca.gov/resource_mgt/resource_mgt_forestpractice_pubsmemos_memos.php)

Another recently developed carbon calculator is Berkeley's Carbon Calculator.

~~A suitable methodology to calculate and quantify the GHG emission benefits carbon benefit is described in the California Air Resources Board's "Compliance Offset Protocol UA Forest Projects Protocol". All projects should include a crediting period (e.g. 40 years) and project life (e.g. 100 years). All treatments and growth projections will use commonly accepted methods that represent standards and practice in the forestry profession. GHG reductions will be estimated as the difference between a no project alternative and the proposed project, at the end of the project crediting period.~~

~~Another methodology to calculate a carbon benefit is by means of the following example: A landowner may have 250 metric tonnes of CO2 equivalent standing, so the following approach would suggest a 62 metric tonnes of CO2 equivalent benefit. Then I would provide a potential harvest schedule and reinventory 2 to 3 years after every harvest and keep a running tally, and not drop below the 188 metric tonnes of CO2 equivalent MBL.~~

- ~~Define project area, take out non forestland.~~
- ~~Identify the Supersection within which the project area is located. <http://www.arb.ca.gov/cc/capandtrade/protocols/usforest/usforest-aadf.htm> <http://www.arb.ca.gov/cc/capandtrade/protocols/usforest/projects.htm>~~
- ~~Identify the assessment area. Within each Supersection, Assessment Areas were defined based on key drivers that influence forest carbon stocks. These drivers include common forest vegetation, common jurisdictional and regulatory influences, and common economic influences.~~
- ~~Go to the table and get the common practice (CP) value.~~
- ~~Determine your initial carbon stocks (on a per acre basis from your inventory, it can be general, perhaps an inventory from several years ago.)~~
- ~~How does it compare to CP? If initial stocks are above CP,  $MBL=CP$ . If initial stocks are below CP, use equation 6.6 to determine minimum baseline (MBL)~~

Comment [TB27]: If a PTEIR for a watershed is developed that encompasses industrial and federal land, owners that will never to the PTEIR, should they be specifically excluded from the quantification methods?

Comment [TB28]: Get more information from Matthew.

Comment [TB29]: From KC: I don't think this is in the glossary. It could use some clarification.

Comment [A30]: MR not sure we need this, we may be better off directing folks to reference materials?

Supersection	Assessment Area	Associated Species	Site Class	Per Acre			Common Practice - Above Ground Carbon Mean (Metric Tonnes CO2-equivalent)	Species Diversity Index	Fire Risk Rating	Rotation Length	Value of Harvest
				Board Feet	Basal Area (Square Feet per Acre)						
Northern California Coast	Coast Redwood/Douglas-fir Mixed Conifer	Bishop pine, California laurel, Douglas fir, western hemlock, giant chinquapin, knobcone pine, Pacific madrone, red alder, redwood, Sitka spruce, tanoak, white fir	High	27,742	201	188	60%	4%			
			Low	16,266	176	165	60%	4%	Long	High	
	Northern California Coast Mixed Oak Woodland	Bigleaf maple, blue oak, California black oak, California live oak, cottonwood, willow, pinyon, juniper, western oak	A3	3,065	95	108	65%	4%	Long	Very Low	
Southern Cascades	Southern Cascade High Elevation Conifer	Foxtail pine, bristlecone pine, lodgepole pine, pinyon, juniper, red fir, subalpine fir, western juniper, western white pine, white fir	A3	9,516	90	72	65%	4%	Long	Low	
	Southern Cascade Mixed Conifer	Aspen, California laurel, California mixed conifer, Douglas fir, fir, spruce, mountain hemlock, giant chinquapin, grand fir, incense cedar, knobcone pine, mountain hemlock, Pacific madrone, ponderosa pine, Port Orford cedar, red alder, sugar pine, tanoak, western red cedar	Low	9,514	110	86	65%	4%			
			High	15,526	134	128	65%	4%	Long	Low	
	Southern Cascade Mixed Oak Woodland	Bigleaf maple, blue oak, California black oak, cercocarpus (mountain brush), cottonwood, willow, gray pine, Oregon ash, Oregon white oak, western oak	Low	2,248	65	49	65%	4%			
High			5,204	94	80	65%	4%	Long	very low		

**MORE TO COME ON QUANTIFICATION METHODS**

**Other:**

There are 4 PTEIRs that have been approved. Go to [http://www.fire.ca.gov/resource\\_mgt/resource\\_mgt\\_EPRP\\_PTEIR.php](http://www.fire.ca.gov/resource_mgt/resource_mgt_EPRP_PTEIR.php)

<u>PTEIR</u>	<u>Preparer</u>	<u>Year</u>	<u>Acreage</u>	<u>Cost</u>	<u>Notes</u>
<a href="#">Meadow Vista</a>	<a href="#">Doug Ferrier for the Placer Co. RCD</a>	<a href="#">1999</a>	<a href="#">7,000</a>	<a href="#">\$30,000 to \$40,000</a>	<a href="#">It was tiered to the Meadow Vista Community Plan, the EIR for which was done years earlier and a guess regarding its cost was between \$150,000 and \$1,000,000.</a>
<a href="#">Hearst Forests</a>	<a href="#">Jones and Stokes Associates</a>	<a href="#">1998</a>	<a href="#">60,801</a>	<a href="#">unknown</a>	
<a href="#">Weaverville</a>	<a href="#">BBW</a>	<a href="#">2004</a>	<a href="#">4,275</a>	<a href="#">unknown</a>	
<a href="#">Mattole Forest Futures Project</a>	<a href="#">BBW</a>	<a href="#">2011</a>	<a href="#">156,484</a>	<a href="#">~\$1,000,000 (RG)</a>	
<a href="#">MRC</a>		<a href="#">2012</a>	<a href="#">~200,000</a>	<a href="#">unknown</a>	

## Resources:

Excerpts of SB 862, Committee on Budget and Fiscal Review. Greenhouse gases: emissions reduction [http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill\\_id=201320140SB862&search\\_keywords](http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201320140SB862&search_keywords)

Notes: 4598.5 references 3712, 3716 and 3718, which reference Division 25.5 (commencing with Section 38500), which is the Air pollution: greenhouse gases: California Global Warming Solutions Act of 2006.

Guidance in the Preparation and Review of Program Timberland Environmental Impact Reports, finalized in November 04, 2009 [http://bofdata.fire.ca.gov/board\\_business/board\\_memorandums\\_and\\_guidance\\_documents/board\\_memorandums\\_and\\_guidance\\_documents/final\\_pteir\\_guidance\\_updated\\_072914\\_by\\_tb.pdf](http://bofdata.fire.ca.gov/board_business/board_memorandums_and_guidance_documents/board_memorandums_and_guidance_documents/final_pteir_guidance_updated_072914_by_tb.pdf)

The 2010 Forest and Range Assessment: Final Document. Chapter 3.7: Climate Change: Threats and Opportunities [http://frap.fire.ca.gov/data/assessment2010/pdfs/3.7climate\\_change.pdf](http://frap.fire.ca.gov/data/assessment2010/pdfs/3.7climate_change.pdf)

Compliance Offset Protocol US Forest Projects, Air Resources Board, October 20, 2011. <http://www.arb.ca.gov/cc/capandtrade/protocols/usforestprojects.htm>

AB 1532, John A. Pérez. California Global Warming Solutions Act of 2006: Greenhouse Gas Reduction Fund. [http://leginfo.legislature.ca.gov/faces/billTextClient.xhtml?bill\\_id=201120120AB1532&search\\_keywords=39712](http://leginfo.legislature.ca.gov/faces/billTextClient.xhtml?bill_id=201120120AB1532&search_keywords=39712)

Part of statute that supports fuel reduction treatments: HSC 39712. [http://leginfo.legislature.ca.gov/faces/billTextClient.xhtml?bill\\_id=201120120AB1532&search\\_keywords=39712](http://leginfo.legislature.ca.gov/faces/billTextClient.xhtml?bill_id=201120120AB1532&search_keywords=39712)

Appendix C of the original A 32 Scoping Plan. Beginning page C-165. [http://www.arb.ca.gov/cc/scopingplan/document/appendices\\_volume1.pdf](http://www.arb.ca.gov/cc/scopingplan/document/appendices_volume1.pdf)

Greenhouse gas and air pollutant emissions of alternatives for woody biomass residues (Olympic Region Clean Air Agency, 2010) <http://data.orcaa.org/reports/all-reports-entries/woody-biomass-emissions-study/> See Table 5 for comparison of GHG, CO<sub>2</sub> and PM<sub>2.5</sub> emissions from various disposal techniques.

Placer County Biomass Waste for Energy Greenhouse Gas Offset Credit Project <http://www.placer.ca.gov/departments/air/greenhousegasoffsetproject>

California Fire Hazard Severity Zone Map Update Project [http://www.fire.ca.gov/fire\\_prevention/fire\\_prevention\\_wildland\\_zones\\_maps.php](http://www.fire.ca.gov/fire_prevention/fire_prevention_wildland_zones_maps.php)