
Mitigation Monitoring and Reporting Program

NCS D Wood Energy System

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Prepared for:

NORTHSTAR COMMUNITY SERVICES DISTRICT

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1 Introduction

The California Environmental Quality Act (CEQA) Guidelines Section 15097 requires that whenever a public agency approves a project based on a Mitigated Negative Declaration (MND), the public agency shall establish a mitigation monitoring or reporting program to ensure that all adopted Mitigation Measures are implemented. This Mitigation Monitoring and Reporting Program (MMRP) is intended to satisfy this requirement of the CEQA Guidelines as it relates to the NCS D Wood Energy System Project (project).

This MMRP will be used by the Northstar Community Services District (NCS D) staff to ensure compliance with all Mitigation Measures identified in the NCS D Wood Energy System Project MND is achieved during project implementation.

2 Mitigation Monitoring and Reporting Program Description

NCS D will coordinate monitoring activities and document the implementation of Mitigation Measures for the project. Table 1 lists each Mitigation Measure as identified in the Final MND and the associated implementation, monitoring/reporting, timing and performance requirements. The table includes:

1. The full text of each Mitigation Measure;
2. The party or parties responsible for implementation and monitoring of each measure and any reporting requirements;
3. The timing of implementation of each measure, including any ongoing monitoring and/or reporting requirements; and
4. Performance criteria by which to ensure requirements have been met.

Following completion of the monitoring and reporting process, the final monitoring results will be recorded and incorporated into the project file maintained by the NCS D.

As demonstrated in the Initial Study and MND, no Mitigation Measures are required for the following resources:

- Aesthetics
- Agriculture and Forestry Resources
- Air Quality
- Cultural Resources
- Energy
- Greenhouse Gas Emissions
- Land Use and Planning
- Mineral Resources
- Noise
- Population and Housing
- Public Services
- Recreation
- Transportation
- Utilities and Service Systems
- Wildfire

Table 1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Responsibility	Monitoring Responsibility	Timing	Performance Criteria
BIOLOGICAL RESOURCES				
<p>MM-BIO-1 Aquatic Resources and Special-Status Plant Protection. The Grading Plan for construction activities at 908 Northstar Drive shall identify placement of exclusion fencing, flagging, or similar between the pond and associated riparian vegetation located east of the project site and the limits of disturbance during construction. The Grading Plan shall also identify erosion control and spill prevention measures to be implemented at this location to ensure that material that may erode or runoff from the project site does not enter the pond and associated riparian vegetation during construction.</p>	NCSD, project biologist, and construction contractor	NCSD	<p><u>Prior to construction</u></p> <ul style="list-style-type: none"> • Exclusion fencing, flagging, or similar is placed between the project site and the pond/associated riparian vegetation • Erosion control and spill prevention measures are installed <p><u>During construction</u></p> <ul style="list-style-type: none"> • Exclusion fencing/flagging and erosion control and spill prevention measures are maintained until construction is complete 	Eroded material and runoff from the project site does not enter the pond and associated riparian vegetation during construction
<p>MM-BIO-2 Nesting Bird and Raptor Avoidance. NCSD shall retain a qualified biologist to implement the following procedures during any project related ground disturbance, vegetation removal, grading, trenching, and construction activities:</p> <ul style="list-style-type: none"> • Conduct a pre-construction survey for nesting birds no more than two days prior to any vegetation or structure removal or ground-disturbing activities conducted during the nesting season (March through August). The 	NCSD, project biologist, and construction contractor	NCSD	<p><u>Prior to construction</u></p> <ul style="list-style-type: none"> • Nesting bird survey completed within two days of start of construction • Avoidance buffer from any active nests established and flagging, fencing, or other 	Impacts to nesting birds are avoided

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<p>survey shall cover the limits of construction and suitable nesting habitat within 500 feet for raptors and 100 feet for other nesting birds, as feasible and accessible.</p> <ul style="list-style-type: none"> • If any active nests are observed during surveys, establish a suitable avoidance buffer from the active nest. The buffer distance will typically range from 50 to 500 feet and shall be determined based on factors such as the species of bird, topographic features, intensity and extent of the disturbance, timing relative to the nesting cycle, and anticipated ground disturbance schedule. Limits of construction to avoid active nests shall be established in the field with flagging, fencing, or other appropriate barriers and should be maintained until the chicks have fledged and the nests are no longer active, as determined by the qualified biologist. • If vegetation removal activities are delayed, additional nest surveys shall be conducted such that no more than 7 days elapse between the survey and vegetation removal activities. • If an active nest is identified in or adjacent to the construction zone after construction has started, work in the vicinity of the nest shall be halted until the qualified biologist can provide appropriate avoidance and minimization measures to ensure that the nest is not disturbed by construction. Appropriate measures may include a no-disturbance buffer until the birds have fledged and/or full-time monitoring by a 			<p>appropriate barriers installed</p> <p><u>During construction</u></p> <ul style="list-style-type: none"> • Nesting bird survey repeated if construction pauses for more than 7 days • Avoidance buffer barriers are maintained until removal is approved by the project biologist 	

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qualified biologist during construction activities conducted near the nest.				
<p>MM-BIO-3 Tree Protection. The final Grading Plan and/or Demolition and Temporary BMP Plan shall include placement of tree protection fencing around all trees to be retained that are within 75 feet of grading, excavation, and trenching. Tree protection fencing shall consist of a minimum 4-foot-high plastic mesh fence or chain link fence and shall be installed at the outermost edge of the critical root zone of each protected tree or group of protected trees. A minimum of one sign shall be installed on the fence around each individual protected tree. Signs placed on fencing around a group of protected trees shall be placed at approximately 50-foot intervals. The size of each sign must be a minimum of 8.5 inches by 11 inches and must contain the following language: PROTECTED TREE. DO NOT REMOVE SIGN OR FENCE. Protective fencing shall remain in place throughout the entire construction period.</p>	NCSD and project biologist	NCSD	<p><u>Prior to construction</u></p> <ul style="list-style-type: none"> Tree protection fencing, including signage, is installed <p><u>During construction</u></p> <ul style="list-style-type: none"> Tree protection fencing and signage is maintained throughout construction 	Impacts to trees planned to be retained are avoided
GEOLOGY AND SOILS				
<p>MM-GEO-1 Improvement Plans. NCSD shall prepare Improvement Plans that show all physical improvements for the project as well as pertinent topographical features both on and offsite. All existing and proposed utilities and easements, onsite and adjacent to the project, which may be affected by planned construction, shall be shown on the plans.</p> <p>NCSD shall retain a third-party qualified plan-check firm to review the Improvement Plans to verify compliance with the Placer County Code. A</p>	NCSD and project engineer	NCSD and third-party plan check firm	<p><u>Prior to construction</u></p> <ul style="list-style-type: none"> Improvement plans are approved by the third-party plan check firm <p><u>After construction</u></p> <ul style="list-style-type: none"> Record Drawings are submitted to Placer County in digital format and hardcopy 	Project improvements comply with applicable provisions of Placer County Code

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<p>Building Permit shall not be issued until the Improvement Plans are approved by the third-party plan-check firm. NCS D shall submit to the Placer County Engineering and Surveying Division one copy of the Record Drawings in digital format, one black line hardcopy, and one PDF copy. The digital format is to allow integration with Placer County’s Geographic Information System. The final approved blackline hardcopy Record Drawings will be the official document of record.</p>				
<p>MM-GEO-2 Grading, Drainage, and Erosion Control. The Improvement Plans shall show all proposed grading, drainage improvements, vegetation and tree removal and all work shall conform to provisions of the County Grading Ordinance (Placer County Code Article 15.48) and Stormwater Quality Ordinance (Placer County Code Article 8.28) that are in effect at the time of submittal. No grading, clearing, or tree disturbance shall occur until the Improvement Plans are approved by the third-party plan-check firm.</p> <p>All cut/fill slopes shall be at a maximum of 2:1 (horizontal: vertical) unless a soils report supports a steeper slope.</p> <p>NCS D shall revegetate all disturbed areas. Revegetation, undertaken from April 1 to October 1, shall include regular watering to ensure adequate growth. A winterization plan shall be provided with project Improvement Plans. NCS D shall ensure proper installation and maintenance of erosion control/winterization before, during, and after project construction. Soil stockpiling or borrow areas shall have proper erosion control</p>	<p>NCS D and project engineer</p>	<p>NCS D, third-party plan check firm, and Placer County</p>	<p><u>Prior to construction</u></p> <ul style="list-style-type: none"> Improvement plans are approved by the third-party plan check firm <p><u>During construction</u></p> <ul style="list-style-type: none"> Erosion control measures are installed and maintained at soil stockpiles and borrow areas and where roadside drainage occurs beyond paved areas Construction areas are winterized <p><u>After construction</u></p> <ul style="list-style-type: none"> Disturbed areas are revegetated 	<p>Project improvements and work, including slope heights, slope ratios, erosion control, winterization, tree disturbance, and pad elevations and configurations, conforms to the County Grading Ordinance and Stormwater Quality Ordinance</p>

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<p>measures applied for the duration of the construction as specified in the Improvement Plans. The Improvement plans shall also provide for erosion control where roadside drainage is off of the pavement.</p> <p>If, at any time during construction, a field review by County personnel indicates a significant deviation from the proposed grading shown on the Improvement Plans, specifically regarding slope heights, slope ratios, erosion control, winterization, tree disturbance, and/or pad elevations and configurations, the plans shall be reviewed by the Placer County Engineering and Surveying Division for a determination of substantial conformance to the project approvals prior to any further work proceeding. Failure of the Engineering and Surveying Division to make a determination of substantial conformance may serve as grounds for the revocation/modification of the project approval by the appropriate hearing body.</p>				
<p>MM-GEO-3 Final Geotechnical Investigation Report. The Improvement Plan submittal shall include a final geotechnical engineering report produced by a California Registered Civil Engineer or Geotechnical Engineer. The report shall address and make recommendations on the following:</p> <ul style="list-style-type: none"> A. Road, pavement, and parking area design; B. Structural foundations, including retaining wall design (if applicable); C. Grading practices; D. Erosion/winterization; 	<p>NCSD and project engineer</p>	<p>NCSD, third-party plan check firm</p>	<p><u>Prior to construction</u></p> <ul style="list-style-type: none"> • Final geotechnical engineering report is prepared • Final geotechnical engineering report is submitted to Placer County <p><u>During construction</u></p> <ul style="list-style-type: none"> • Earthwork is conducted in conformance with the final geotechnical 	<p>Project improvements and work, including road, pavement, parking areas, structure foundations, retaining walls, grading, erosion control, winterization, and slope stability conforms to the</p>

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<p>E. Special problems discovered on-site, (i.e., groundwater, expansive/unstable soils, etc.); and</p> <p>F. Slope Stability</p> <p>Once approved by the third-party plan-check firm, two copies of the final report shall be provided to the Placer County Engineering and Surveying Division and one copy to the Placer County Building Services Division for its use. NCSD shall provide for engineering inspection and certification that earthwork has been performed in conformity with recommendations contained in the report.</p>			<p>engineering report recommendations</p> <p>After construction</p> <ul style="list-style-type: none"> • Earthwork is inspected and certified as having been performed in conformance with the final geotechnical engineering report recommendations 	<p>final geotechnical engineering report recommendations</p>
<p>MM-GEO-4 Unanticipated Paleontological Resources. In the event that fossils or fossil bearing deposits are discovered during ground-disturbing activities, excavations within a 50-foot radius of the find shall be temporarily halted or diverted. Ground disturbance work shall cease until a qualified paleontologist determines whether the resource requires further study. The paleontologist shall document the discovery as needed (in accordance with Society of Vertebrate Paleontology standards [Society of Vertebrate Paleontology 2010]), evaluate the potential resource, and assess the significance of the find under the criteria set forth in CEQA Guidelines Section 15064.5. The paleontologist shall notify the appropriate agencies to determine procedures that would be followed before construction activities are allowed to resume at the location of the find. If avoidance is not feasible, the paleontologist shall prepare an excavation plan for mitigating the effect of construction activities</p>	<p>NCSD and construction contractor</p>	<p>NCSD</p>	<p>Prior to construction</p> <ul style="list-style-type: none"> • Requirements of this measure are noted in construction contracts and plans <p>During construction</p> <ul style="list-style-type: none"> • Work is halted within 50 feet of any fossils or fossil bearing deposits encountered during construction and a qualified paleontologist assesses the find • Either the avoidance procedures or the excavation plan recommended by the qualified paleontologist is implemented 	<p>Impacts to paleontological resources are avoided</p>

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<p>on the discovery. All construction activity shall adhere to the recommendations in the excavation plan.</p>				
HYDROLOGY AND WATER QUALITY				
<p>MM-HYD-1 Stormwater Quality Management Plan. As part of the Improvement Plan review process, a Stormwater Quality Management Plan shall be provided to the third-party plan-check firm required under Mitigation Measure GEO-1. The Stormwater Quality Management Plan shall be prepared by a Registered Civil Engineer and shall, at a minimum, include: A written text addressing existing conditions, the effects of the proposed improvements, all appropriate calculations, watershed maps, changes in flows and patterns, and proposed on-and off-site improvements and drainage easements to accommodate flows from this project. The plan shall identify water quality protection features and methods to be used during construction, as well as long-term post-construction water quality measures.</p> <p>The Improvement Plans and Stormwater Quality Management Plan shall provide details showing that storm water run-off peak flows and volumes shall be reduced to pre-project conditions through the installation of retention facilities, which shall be designed in accordance with the requirements of the Placer County Stormwater Management Manual that are in effect at the time of submittal and shall be shown on the Improvement Plans.</p> <p>Prior to any construction commencing, NCSD shall obtain a Waste Discharge Identification Number generated from the State Regional Water Quality</p>	<p>NCSD, construction contractor</p>	<p>NCSD</p>	<p><u>Prior to construction</u></p> <ul style="list-style-type: none"> • Stormwater Quality Management Plan is approved by third-party plan check firm • Improvement Plans and Stormwater Quality Management Plan demonstrate that storm water run-off peak flows and volumes are reduced to pre-project conditions • Waste Discharge Identification Number Is obtained <p><u>During construction</u></p> <ul style="list-style-type: none"> • Temporary and permanent stormwater management measures are installed and maintained <p><u>After construction</u></p> <ul style="list-style-type: none"> • Permanent stormwater management measures are maintained 	<p>Adverse effects on stormwater quality are avoided</p>

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<p>Control Board’s Stormwater Multiple Application & Reports Tracking System. This serves as the Regional Water Quality Control Board approval or permit under the National Pollutant Discharge Elimination System construction storm water quality permit.</p>				
<p>MM-HYD-2 Stormwater Quality Treatment Measures. The Improvement Plans shall show water quality treatment facilities/Best Management Practices (BMPs) designed according to the guidance of the California Stormwater Quality Association Stormwater Best Management Practice Handbooks for Construction, for New Development/Redevelopment, and for Industrial and Commercial (or other similar source).</p> <p>Storm drainage from on-and off-site impervious surfaces (including roads) shall be collected and routed through specially designed catch basins, vegetated swales, vaults, infiltration basins, water quality basins, filters, etc. for entrapment of sediment, debris and oils/greases or other identified pollutants, as approved by the third-party plan-check firm. BMPs shall be designed in accordance with the East Placer Storm Water Quality Design Manual for sizing of permanent post-construction BMPs for stormwater quality protection.</p> <p>All permanent BMPs shall be maintained as required to ensure effectiveness. NCSD shall provide for the establishment of vegetation, where specified, by means of proper irrigation. Proof of on-going maintenance, such as contractual</p>	<p>NCSD, construction contractor</p>	<p>NCSD</p>	<p><u>Prior to construction</u></p> <ul style="list-style-type: none"> Improvement Plans include BMP installation and maintenance details <p><u>During construction</u></p> <ul style="list-style-type: none"> BMPs are maintained <p><u>After construction</u></p> <ul style="list-style-type: none"> Permanent BMPs are maintained 	<p>Adverse effects on stormwater quality are avoided</p>

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evidence, shall be provided to the Placer County Engineering and Surveying Division upon request.				
<p>MM-HYD-3 Stormwater Discharge. This project is located within the permit area covered by Placer County’s Small Municipal Separate Storm Sewer System Permit (State Water Resources Control Board National Pollutant Discharge Elimination System). Project-related storm water discharges are subject to all applicable requirements of said permit.</p> <p>The project shall implement permanent and operational source control measures as applicable. Source control measures shall be designed for pollutant generating activities or sources consistent with recommendations from the California Stormwater Quality Association Stormwater Best Management Practices Handbook for New Development and Redevelopment, or equivalent manual, and shall be shown on the Improvement Plans. The project is also required to implement Low Impact Development standards designed to reduce runoff, treat storm water, and provide baseline hydromodification management as outlined in the East Placer Storm Water Quality Design Manual.</p>	NCSD, construction contractor	NCSD	<p><u>Prior to construction</u></p> <ul style="list-style-type: none"> Improvement Plans include BMP installation and maintenance details Improvement Plans identify Low Impact Development measures <p><u>After construction</u></p> <p>Permanent BMPs and Low Impact Development measures are maintained</p>	<p>Stormwater discharges conform to Placer County’s Small Municipal Separate Storm Sewer System Permit</p> <p>BMPs conform to the East Placer Storm Water Quality Design Manual</p>
TRIBAL CULTURAL RESOURCES				
<p>MM-TCR-1 Unanticipated Tribal Cultural Resources. If potential Tribal Cultural Resources (TCRs) or human remains are discovered during construction activities, all work shall cease within 100 feet of the find (based on the apparent distribution of cultural resources). Examples of potential TCRs include midden soil, artifacts,</p>	NCSD and construction contractor	NCSD	<p><u>Prior to construction</u></p> <ul style="list-style-type: none"> Requirements of this measure are noted in construction contracts and plans <p><u>During construction</u></p>	Potential cultural resources uncovered during construction are evaluated and adverse effects to significant cultural

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<p>chipped stone, exotic (non-native) rock, or unusual amounts of baked clay, shell, or bone.</p> <p>A qualified cultural resources specialist and Native American Representative from the traditionally and culturally affiliated Native American Tribe(s) will assess the significance of the find and make recommendations for further evaluation and treatment as necessary. Culturally appropriate treatment that preserves or restores the cultural character and integrity of a TCR may be, but is not limited to, processing materials for reburial, minimizing handling of cultural objects, leaving objects in place within the landscape, construction monitoring of further construction activities by Tribal representatives of the traditionally and culturally affiliated Native American Tribe, and/or returning objects to a location within the project area where they will not be subject to future impacts.</p> <p>If human remains are discovered during construction activities, the County Coroner and Native American Heritage Commission shall be contacted immediately. Upon determination by the County Coroner that the find is Native American in origin, the Native American Heritage Commission will assign the Most Likely Descendant(s) who will work with the project proponent to define appropriate treatment and disposition of the burials.</p> <p>Following a review of the find and consultation with appropriate experts, the authority to proceed may be accompanied by the addition of development requirements which provide for protection of the site and/or additional measures</p>			<ul style="list-style-type: none"> ● Work is halted within 100 feet of any potential TCRs or human remains encountered during construction ● The County Coroner and Native American Heritage Commission are immediately notified if any human remains are encountered ● A qualified cultural resources specialist and Native American representative assess any potential TCRs encountered ● Measures for further evaluation and treatment recommended by the County Coroner, Native American Heritage Commission, qualified cultural resources specialist, and/or Native American representative are implemented ● Work in the area(s) of the discovery proceeds after authorization is granted by the Placer County Community Development Resource Agency 	<p>resources are avoided.</p>

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<p>necessary to address the unique or sensitive nature of the site. The treatment recommendations made by the cultural resource specialist and the Native American Representative will be documented in the project record. Any recommendations made by these experts that are not implemented, must be documented and explained in the project record. Work in the area(s) of the cultural resource discovery may only proceed after authorization is granted by the Placer County Community Development Resource Agency following coordination with cultural resources experts and tribal representatives as appropriate.</p>				

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