

**LEGAL NOTICE OF INTENT AND PUBLIC HEARING
TO ADOPT A MITIGATED NEGATIVE DECLARATION**

NOTICE IS HEREBY GIVEN that the Planning Commission of the County of Glenn, State of California, will hold a Public Hearing to consider the project as listed below. The Public Hearing will be held at the Glenn County Board of Supervisors' Chambers, 2nd Floor Willows Memorial Hall, 525 West Sycamore Street, Willows, California, on Wednesday, April 16, 2025, at 9:00 A.M., or as soon thereafter as the business of the Commission will allow.

PROJECT:

Conditional Use Permit 2024-004, Carriere/Syntech CF1, LLC, Advanced Thermal Conversion

APPLICANT/LANDOWNER: Wayne McFarland/Carriere Family Farms

PROJECT DESCRIPTION: Conditional Use Permit 2024-004, Carriere/Syntech CF1, LLC Advanced Thermal Conversion (ATC) project will operate on a 24/7 basis to remediate up to 135,000 tons a year of waste walnut shells (WWS) from an existing onsite walnut shelling facility into approximately 1,041,000 MMBtu/year of Renewable Natural Gas (RNG), which will then be compressed into a mobile storage trailer and then transported an existing walnut huller/dryer facility to be injected into a PG&E pipeline. The RNG project, referred to as SynTech CF1 will consist of the following four main operational components:

1. Organic Feedstock to Syngas Conversion
2. Biochar Transfer and Storage Facility
3. Collection of Syngas and Upgrade to Pipeline Quality RNG
4. Pipeline RNG Storage and Transfer Facility

Walnut shells will be moved to the ATC site via an enclosed conveyor system to a secondary waste walnut shell storage building used specifically for the ATC process. The project will draw power from the local utility grid during normal operation. In the case of grid power interruption, a natural gas and/or syngas fueled emergency generator will power essential safety and operational systems until grid power is restored. The biochar byproduct of the ATC process will be approximately 4% by volume of the WWS volume converted or remediated in the process and will be collected in 500 lb. storage containers for storage and shipment. Additional project information is included in the application and documents.

LOCATION: The project is located at 1640 State Route 45, south of the community of Glenn; located on the east side of State Route 45, south of the County Road 52, west of the Sacramento River, and north of County Road 54, in the unincorporated area of Glenn County, California.

ASSESSOR PARCEL NUMBERS:

016-030-011 (96.37± acres), 016-090-016 (145.75± acres)

ZONING: "FS-80" Farmland Security Zone

GENERAL PLAN: "Intensive Agriculture"

DECISIONS: The Planning Commission may approve, deny, or continue the:

(A) Mitigated Negative Declaration

(B) Conditional Use Permit 2024-004, Carriere/Syntech CF1, LLC

All environmental information and project documentation is available for review at the Planning & Community Development Services Agency. Contact Andy Popper, Principal Planner at planning@countyofglenn.net, (530) 934-6540, or at the Glenn County Planning & Community Development Services Agency, 225 North Tehama Street, Willows, CA, 95988. All interested parties may submit comments regarding the proposed project by Wednesday, April 16, 2025, at 9:00 A.M., or appear and present oral and/or written testimony at the Public Hearing. If you challenge the nature of the proposed action in court, you may be limited to raising only those issues you or someone else raised at the public hearing described in this notice, or in correspondence delivered to the appropriate authority at, or prior to, the public hearing.

GLENN COUNTY

Planning & Community Development Services Agency

225 N. Tehama Street
Willows, CA 95988
530.934.6540
www.countyofglenn.net



Mardy Thomas, Director

STAFF REPORT

DATE: March 12, 2025
TO: Glenn County Planning Commission
FROM: Andy Popper, Principal Planner
SUBJECT: **Conditional Use Permit 2024-004, Carriere/Syntech CF1, LLC
Advanced Thermal Conversion**

Attachments:

1. Conditions of Approval and Mitigation Measures
2. Mitigated Negative Declaration and Initial Study
3. Request for Review, Application, and Comments
4. Syntech Responses to Agency Pre-Consultation Comments
5. Syntech Traffic Analysis and Internal Circulation Plan

1 PROJECT SUMMARY

Conditional Use Permit 2024-004, Carriere/Syntech CF1, LLC Advanced Thermal Conversion (ATC) project will operate on a 24/7 basis to remediate up to 135,000 tons a year of waste walnut shells (WWS) from an existing onsite walnut shelling facility into approximately 1,041,000 MMBtu/year of Renewable Natural Gas (RNG), which will then be compressed into a mobile storage trailer and then transported an existing walnut huller/dryer facility to be injected into a PG&E pipeline. The RNG project, referred to as SynTech CF1 will consist of the following four main operational components:

1. Organic Feedstock to Syngas Conversion
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Walnut shells will be moved to the ATC site via an enclosed conveyor system to a secondary waste walnut shell storage building used specifically for the ATC process. The project will draw power from the local utility grid during normal operation. In the case of grid power interruption, a natural gas and/or syngas fueled emergency generator will power essential safety and operational systems until grid power is restored. The biochar byproduct of the ATC process will be approximately 4% by volume of the WWS volume converted or remediated in the process and will be collected in 500 lb. storage containers for storage and shipment. Additional project information is included in the application and documents.

The General Plan land use designation is “Intensive Agriculture” and the zoning designation is “FS-80” Farmland Security Zone (72-acre minimum parcel size). The proposed project is a permitted use with a conditional use permit in the “FS-80” zone. Detailed project information is included in the Mitigated Negative Declaration and Initial Study attached to this report.

Location:

The project is located at 1640 State Route 45, south of the community of Glenn; located on the east side of State Route 45, south of the County Road 52, west of the Sacramento River, and north of County Road 54, in the unincorporated area of Glenn County, California.

Assessor’s Parcel Numbers (APNs):

016-030-011 (96.37± acres), 016-090-016 (145.75± acres)

1.1 RECOMMENDATIONS

That the Planning Commission grant the proposed Conditional Use Permit 2024-004 a Mitigated Negative Declaration with the Findings as presented in the Staff Report.

Also, that the Planning Commission approve Conditional Use Permit 2024-004 with the Findings as presented in the Staff Report and the corresponding Mitigation Measures and Conditions of Approval.

2 ANALYSES

2.1 ENVIRONMENTAL DETERMINATION

A copy of the proposed Mitigated Negative Declaration and Initial Study is attached. The Initial Study is a detailed discussion of the project and a discussion of the project's potential environmental impacts as required by the California Environmental Quality Act (CEQA). The Initial Study concludes that this project will result in no Potentially Significant Impacts to the environment. Therefore, a Mitigated Negative Declaration has been prepared for adoption by the Planning Commission.

2.2 GENERAL PLAN AND ZONING CONSISTENCY (TITLE 15)

The site is designated "Intensive Agriculture" in the Glenn County General Plan and is zoned "FS-80" Farmland Security Zone, the minimum parcel size is 72-acre. The site is in an area of existing agriculture uses and is a permitted use in the "FS-80" Farmland Security Zone (Glenn County Code Chapter 15.47.020). The proposal will not adversely affect any surrounding uses in the area and will not adversely affect the General Plan.

2.2.1 "FS" Farmland and Security Zone (Glenn County Code Chapter 15.47):

Permitted Uses (Glenn County Code §15.47.020):

The proposed facility is similar in scope to the permitted use under Glenn County Code §15.47.020 (E), (I), &(J).

Maximum Building Height (Glenn County Code §15.47.060):

The peak heights of the proposed structures are listed in the submitted application and shall not exceed the maximum height of fifty feet; therefore, the proposal will meet the height requirement for the Farmland Security Zone. §15.47.060.

Minimum Yard Requirements (Glenn County Code §15.47.080):

Based on the discussion above, the project site is adequate in size, shape, location, and physical characteristics to accommodate the proposal.

2.2.2 15.86 Power Generation Facilities

15.86.020 Definitions

As used in this Chapter: (B) “Uses Allowed” means one of the following:

(4) Secondary Use – a power generation facility that is not the Primary Use of the property and occupies less than 50% of the lot area. This type of use would be considered conjunctive.

The project site footprint is approximately 187,500 sq. ft. (4.3 acres). The project site property is 96 acres; therefore, the project is a conjunctive secondary use and the project site is approximately 4.8% of the overall property.

15.86.030 Standards

(E.) Conditional Use Permit (CUP) Secondary Use and Primary Use power generation facilities shall require an applicant to first secure a conditional use permit in accordance with Chapter 15.220 and the applicable zoning district. Issuance of said permit is subject to the following:

1. Secondary Uses on Agriculture (AE and FA) zoning districts and Williamson Act contracted land shall be subject to California Government Code, Section 51238.1.

As discussed in the Initial Study for this proposal will not significantly compromise the long-term productive agricultural capability of the subject contracted parcel or parcels or on other contracted lands in agricultural preserves because the existing facility is reliant upon the long-term use of walnut orchards.

2. Proposed power generation projects in Agriculture zoning districts and Williamson Act contracted lands, as defined in Section 15.86.030(A), shall be subject to the following requirements:
 - a. Land designated as Prime Farmland, Farmland of Statewide Importance and Unique Farmland under the most recent California Department of Conservation, Division of Land Resource Protection, Farmland Mapping and Monitoring Program (FMMP) shall be avoided. When a proposed power generation use includes these lands as designated under the FMMP in Agriculture zoning districts or Williamson Act contracted lands specified under Section 15.86.030(A), mitigation shall be required to secure replacement land of equal or greater farming potential at a ratio of 1:1. Said mitigation may be accomplished on the same lot.

The most recent online Farmland Mapping and Monitoring Program (FMMP 2020) depicts approximately 10 acres of the 96-acre parcel as Urban and Built-Up Land; with the remaining 86 acres as Prime Farmland. However, the existing facility footprint (which includes the proposed location of this project) is 28 acres in size. The entire property is under a Farmland Security Contract. Therefore, in order to offset the 4.3-acre footprint of the proposal, and to meet the above code, the following Mitigation Measure will be made as a part of the project.

Mitigation Measure AR -1 (Agricultural Resources):

The applicant/landowner shall provide bi-annual reporting (in the form of a map/site plan) to the Planning Division evidencing that no less than 4.3 acres of the project site property remains in orchard, or other food or fiber production; thereby maintaining said 4.3-acre portion of the property in Prime Farmland status (according to the most recent California Department of Conservation, Division of Land Resource Protection, Farmland Mapping and Monitoring Program (FMMP)).

Timing/Implementation:
In perpetuity of the project

Enforcement/Monitoring:
Glenn County Planning & Community Development Services Agency

b. Proposals for Secondary Use facility shall clearly demonstrate that the power generation use is subordinate to, practicable, and compatible with the primary agricultural use.

The project for the power generation use is subordinate to, practicable, and compatible with the primary agricultural use because it is reliant on the existing processing facility and surrounding orchards for the feedstock of the power generation facility.

2.2.3 Conditional Use Permit (Glenn County Code Chapter 15.220)

Conditional Use Permit (Glenn County Code §15.22.010)

The planning commission may grant a conditional use permit for the uses listed in Division 3: Development Districts after notice and hearing as provided in Chapter 15.04 and after making findings as required in section 15.22.020.

Findings (Glenn County Code §15.22.020)

The approving authority, prior to recommending approval of a development permit shall find as follows:

- A. That the proposed use at the particular location is necessary or desirable in providing a service or facility which will contribute to the general well-being of the public;*

The project would improve agricultural processing for the existing facility and surrounding walnut orchards; while creating energy from an agricultural resource.

B. That such use will not, under the circumstances of the particular case, be detrimental to the health, safety or general welfare of persons residing or working in the vicinity, or injurious to property or improvements in the vicinity;

This project will not be subjected to hazardous conditions due to flooding, adverse geologic conditions, proximity to airports, fire hazards, or topography. Impacts from hazards on the project are further discussed in the Initial Study. The analysis in the Initial Study concludes that this project will not be detrimental to the health, safety, or general welfare of persons or property in the vicinity of the project.

C. That the site for the proposed use is adequate in size and shape to accommodate said use and to accommodate all of the yards, setbacks, walls or fences, and other features required herein or by the planning commission;

The primary project site is approximately 4.3 acres in size; of a 96± acre property. The parcel is adequate in size and shape to accommodate the proposed project.

D. Except in the case of the expansion of a nonconforming use, that the granting of the permit will not adversely affect the general plan or any area plan of the county.

The proposed project is consistent with the Land Use Designation of “Intensive Agriculture” and the zoning of “FS-80”. The proposed project will meet the land use and zoning requirements of the General Plan and the Zoning Code.

2.2.4 Performance Standards (Glenn County Code Chapter 15.56)

The performance standards contained in the following subsections are only an excerpt of the required minimum. They shall not be construed as preventing the review authority, as part of any approval, to require more restrictive standards as deemed necessary; including the operator/applicant's requirement to meet the corresponding performance standards that may not be specifically reviewed in this report.

Air Quality (Glenn County Code §15.56.040)

All uses shall comply with applicable local, state, and federal laws and regulations regarding contaminants and pollutants. This requirement includes, but is not limited to, emissions of suspended particles, carbon monoxide, hydrocarbons, odors, toxic or obnoxious gases and fumes. The Glenn County Air Pollution Control District (GCAPCD) is responsible for the planning and maintenance/attainment of these standards at the local level. Air quality impacts are further discussed in the Conditions of Approval and Initial Study for the project.

Erosion Control (Glenn County Code §15.56.060)

The project is zoned FS-80; Erosion Control Standards shall be met. In addition, the following will be in place:

Mitigation Measure H & WQ-1 (Hydrology & Water Quality)

Prior to site disturbance, the Applicant shall provide Glenn County Planning Division a copy of a Construction General Permit (or written exemption thereof) from Central Valley Regional Water Quality Control Board.

Fire and Explosion Hazards (Glenn County Code §15.56.070)

All uses involving the use or storage of combustible, explosive, caustic or otherwise hazardous materials shall comply with all applicable local, state and federal safety standards and shall be provided with adequate safety devices against the hazard of fire and explosion, and adequate fire-fighting and fire suppression equipment.

All of the fire protection regulations of the California Building Codes and Glenn-Codora Fire Protection District will be complied with. Hazards are further discussed in the Initial Study for the project.

Glare and Heat (Glenn County Code §15.56.080)

- A. All exterior lighting accessory to any use shall be hooded, shielded, or opaque. No unobstructed beam of light shall be directed beyond any exterior lot line. Buildings and structures under construction are exempt from this provision.*
- B. No use shall generate heat so that increased ambient air temperature or radiant heat is measurable at any exterior lot line.*

Any exterior lighting at the site shall comply with the glare and heat standards.

Liquid, Solid, and Hazardous Wastes (Glenn County Code §15.56.090)

- A. All uses are prohibited from discharging liquid, solid, toxic or hazardous wastes onto or into the ground and into streams, lakes or rivers. Discharge into a public or private waste disposal system in compliance with applicable local, state and federal laws and regulations is permitted.*
- B. Wastes detrimental to a public sewer system or a sewage treatment plant shall not be discharged to a public sewer system unless they have been pretreated to the degree required by the authority having jurisdiction over the sewer system.*
- C. The handling and storage of hazardous materials the discharge of hazardous materials into the air and water and disposal of hazardous waste in connection with all uses shall be in conformance with all applicable local, state and federal regulations.*
- D. All burning of waste materials accessory to any use shall be in compliance with the county air pollution control district rules and regulations.*
- E. The disposal or dumping of solid wastes accessory to any use including, but not limited to, slag, paper and fiber wastes or other industrial wastes shall be in compliance with applicable local, state, and federal laws and regulations.*

The Glenn County Air Pollution Control District (GCAPCD) is the Administering Agency and the Certified Unified Program Agency (CUPA) for Glenn County with responsibility for regulating hazardous materials handlers, hazardous waste generators, underground storage tank facilities, above ground storage tanks, and stationary sources handling regulated substances. The storage and handling of hazardous materials are closely monitored by the GCAPCD.

The project will be subject to the conditions and regulations of the Glenn County Environmental Health Department, and Glenn County Air Pollution Control District. Liquid, solid, and hazardous wastes are further discussed in the Initial Study for the project.

Noise (Glenn County Code §15.56.100)

The project is required to conform to all noise standards.

Open and Outdoor Storage, Sales and Display (Glenn County Code §15.56.110)

Glenn County Code §15.56.110(A): General. Outdoor storage in any district shall be maintained in an orderly manner and shall not create a fire, safety, health or sanitary hazard. The project does not depict open and outdoor sales or storage. If outdoor storage is to occur, such storage shall meet the Open and Outdoor Storage standards.

3 OTHER REQUIREMENTS

There is a ten (10) calendar day appeal period following Planning Commission action on this conditional use permit (Glenn County Code §15.05.020).

The appeal made to the Glenn County Board of Supervisors must be made in accordance with Section 15.05.020 of the Glenn County Code. The Board of Supervisors will hear the appeal as outlined by this code. The decision of the Board of Supervisors may then be challenged in court.

An approved conditional use permit expires one (1) year from the date of granting unless substantial physical construction and/or use of the property in reliance on the permit has commenced prior to its expiration. An approved conditional use permit may be extended by the director for an additional sixty (60) calendar days provided that the applicant/owner submits a written request for extension to the director at least twenty-one (21) calendar days prior to the expiration date. Only one (1) extension shall be allowed for each permit (Glenn County Code §15.09.100.A).

The necessary permits shall be secured in all affected federal, state, and local agencies. It is the responsibility of the applicant/operator to make certain all requirements are met and permits are obtained from all other agencies.

Flood Zone Designation:

Flood Zone “A” according to Flood Insurance Rate Map (FIRM) No. 06021C0650D, dated August 8, 2010 issued by the Federal Emergency Management Agency (FEMA). Flood Zone “A” (unshaded) consists of areas subject to inundation by the 1-percent-annual-chance flood event generally determined using approximate methodologies. Because detailed hydraulic analyses have not been performed, no Base Flood Elevations (BFEs) or flood depths are shown. Since the project site is within Flood Zone “A” as designated by FEMA, a Flood Elevation Certificate will be required before issuance of a Building Permit in accordance to Glenn County Code §15.54.

In addition to the Mitigation Measures and Conditions of Approval, the applicant’s and his/her technical or project management representative’s attention is directed to the project comments from other agencies reviewing the application. The items noted are a guide to assist the applicant in meeting the requirements of applicable government codes. Project comments may also note any unusual circumstances that need special attention. The items listed are a guide and not intended to be a comprehensive summary of all codified requirements or site-specific requirements.

4 FINDINGS

4.1 FINDINGS FOR MITIGATED NEGATIVE DECLARATION

An Initial Study has been prepared by the Glenn County Planning & Community Development Services Agency. Based on this study, it is determined that the proposed project will not have a significant effect on the environment. The following Findings are made based on the Initial Study to support a Mitigated Negative Declaration:

Finding 1 (Aesthetics)

The project will not have a significant impact on aesthetics. The adopted standards for lighting and construction will minimize impacts from future development. Impacts are considered less than significant.

Finding 2 (Agricultural and Forest Resources)

The project will not have a significant impact on agriculture or forest resources. The proposed project will not conflict with existing zoning for, or cause rezoning of, forestland, timberland, or timberland zoned Timberland Production. The entire property is under a Farmland Security Contract. In order to offset the 4.3-acre footprint of the proposal, and to meet county code, the following Mitigation Measure will be made as a part of the project.

Mitigation Measure AR -1 (Agricultural Resources):

The applicant/landowner shall provide bi-annual reporting (in the form of a map/site plan) to the Planning Division evidencing that no less than 4.3 acres of the project site property remains in orchard, or other food or fiber production; thereby maintaining said 4.3-acre portion of the property in Prime Farmland status (according to the most recent California Department of Conservation, Division of Land Resource Protection, Farmland Mapping and Monitoring Program (FMMP)).

Timing/Implementation: In perpetuity of the project

Enforcement/Monitoring:

Glenn County Planning & Community Development Services Agency

Finding 3 (Air Quality)

The project will not have a significant impact on air quality because the project will not violate air quality standards or contribute substantially to an existing air quality violation. Additionally, the project will not adversely impact sensitive receptors nor would it create objectionable odors. Impacts are considered less than significant.

Finding 4 (Biological Resources)

The project will not have a significant impact on biological resources. There are no identified sensitive habitats or natural communities, therefore the project will have a less than significant impact on species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service. Impacts are considered less than significant.

Finding 5 (Cultural Resources)

The project will not have significant impact on cultural resources. State laws are in place in case of accidental discoveries made during future ground disturbing activities. Impacts are considered less than significant with the Mitigation Measure.

Mitigation Measure CR-1 (Cultural Resources)

If subsurface deposits believed to be cultural or human in origin are discovered during construction, all work must halt within a 100-foot radius of the discovery. A qualified professional archaeologist, meeting the Secretary of the Interior's Professional Qualification Standards for prehistoric and historic archaeologist, shall be retained to evaluate the significance of the find, and shall have the authority to modify the no-work radius as appropriate, using professional judgment. The following notifications shall apply, depending on the nature of the find:

- *If the professional archaeologist determines that the find does not represent a cultural resource, work may resume immediately and no agency notifications are required.*
- *If the professional archaeologist determines that the find does represent a cultural resource from any time period or cultural affiliation, he or she shall immediately notify the lead federal agency, the lead CEQA agency, and applicable landowner. The agencies shall consult on a finding of eligibility and implement appropriate treatment measures if the find is determined to be eligible for inclusion in the NRHP or CRHR. Work may not resume within the no-work radius until the lead agencies, through consultation as appropriate, determine that the site either:*
 - 1) *is not eligible for the NRHP or CRHR; or*
 - 2) *that the treatment measures have been completed to their satisfaction.*
- *If the find includes human remains, or remains that are potentially human, he or she shall ensure reasonable protection measures are taken to protect the discovery from disturbance (Assembly Bill [AB] 2641). The archaeologist shall notify Glenn County Coroner (as per § 7050.5 of the Health and Safety Code). The provisions of § 7050.5 of the California Health and Safety Code, § 5097.98 of the California PRC, and AB 2641 will be implemented.*
- *If the Coroner determines the remains are Native American and not the result of a crime scene, the coroner will notify the NAHC, which then will designate a Native American Most Likely Descendant (MLD) for the Project (§ 5097.98 of the PRC). The designated MLD will have 48 hours from the time access to the property is granted to make recommendations concerning treatment of the remains. If the landowner does not agree with the recommendations of the MLD, the NAHC can mediate (§ 5097.94 of the PRC). If no agreement is reached, the landowner must rebury the remains where they will not be further disturbed (§ 5097.98 of the PRC). This will also include either recording the site with the NAHC or the appropriate Information Center; using an open space or conservation zoning designation or easement; or recording a reinternment document with the county in which the property is located (AB 2641). Work may not resume within the no-work radius until the lead agencies, through consultation as appropriate, determine that the treatment measures have been completed to their satisfaction.*

Finding 6 (Energy)

The project will not have a significant impact on energy. The project will comply with California Green Building Standards as well as California Energy Code. The project will not conflict or obstruct with, and is required to meet state or local plans for renewable or efficient energy.

Finding 7 (Geology and Soils)

The project will not have a significant impact on geology and soils because geologic hazards in the area are minimal and the building codes will require new construction to meet standards for soil conditions. Impacts are considered less than significant.

Finding 8 (Greenhouse Gas Emissions)

The project will not have a significant impact on global climate change as a result of greenhouse gas emissions. The project is not in conflict with existing guidelines or standards. The project will not conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases. No significant change in the current use of the land will result. The project will not create significant changes in GHG emissions. Impacts are considered less than significant.

Finding 9 (Hazards and Hazardous Materials)

Hazards and hazardous materials will not have a significant impact on the environment as a result of the proposed project. The project will not interfere with an adopted emergency response plan nor expose people to risk of loss, injury, or death. Impacts are considered less than significant.

Finding 10 (Hydrology/Water Quality)

The project will not have a significant impact on hydrology and water quality because the project will not significantly alter the drainage pattern of the area. The project will not significantly interfere with groundwater recharge in the area. The project will not substantially deplete groundwater supplies or expose people or structures to a significant risk of loss, injury, or death involving flooding. The project will not violate water quality standards or waste discharge requirements. Impacts are considered less than significant with mitigation incorporated:

Mitigation Measure H & WQ-1 (Hydrology & Water Quality)

Prior to site disturbance, the Applicant shall provide Glenn County Planning Division a copy of a Construction General Permit (or written exemption thereof) from Central Valley Regional Water Quality Control Board.

Finding 11 (Land Use and Planning)

The project will not have a significant impact on land use and planning because the project would not physically divide an established community. The project site will meet the size and density requirements of the General Plan and Title 15 of the Glenn County Code and is consistent with the surrounding area. The project is also compatible with the Glenn County General Plan land use designation of "Intensive Agriculture". The project will not conflict with an existing habitat conservation plan or natural community conservation plan. Impacts are considered less than significant.

Finding 12 (Mineral Resources)

The project will not have a significant impact on mineral resources; according to the California Department of Conservation Mineral Lands Classification Map, the property does not contain Concrete-Grade Mineral Aggregates; In addition, based on the relative size of the project footprint impacts are considered less than significant.

Finding 13 (Noise)

The project will not have a significant impact on people residing or working in the area from excessive noise levels. The proposed project will not substantially increase noise levels in the area or expose people in the area to excessive noise levels. Any future noise generating activities are required to meet the established standards prescribed by the County Code. The project site is not directly within an airport land use plan and not in the vicinity of a private airstrip which would expose people in the area to unacceptable noise levels. Impacts are considered less than significant.

Finding 14 (Population and Housing)

The project will not have a significant impact on population and housing because the project will not displace people or housing. The project does not induce population growth. Impacts are considered less than significant.

Finding 15 (Public Services)

The project will not have a significant impact on public services. The services of fire protection, police protection, schools, parks, and other public facilities are sufficient to accommodate the proposed project. Existing requirements for taxes and developmental impact fees are implemented to offset impacts. Less than significant impacts are anticipated.

Finding 16 (Recreation)

The project will not have a significant impact on recreation because it would not substantially increase the use of existing recreational facilities nor does the project include such facilities. No impacts are anticipated.

Finding 17 (Transportation/Traffic)

The project will not have a significant impact on transportation/circulation because it will not significantly increase traffic volumes on existing roads. The project will not change air traffic patterns. There is adequate access to the project site. Public roads will provide adequate emergency access to the project site. Alternative transportation plans will not be impacted. Impacts are considered less than significant.

Finding 18 (Tribal Cultural Resources)

The project will not have a significant impact on Tribal Cultural Resources. The project will not have a significant impact on Tribal Cultural Resources with mitigation measures incorporated. Native Tribes were sent project documentation and invited to review and comment on the project. It is concluded this proposal will not have a significant impact with mitigation measures incorporated.)

Mitigation Measure TCR -1 (Tribal Cultural Recourses):

In the event that any prehistoric or historic subsurface cultural (including Tribal) resources are discovered during ground disturbing activities, all work within 100 feet of the resources shall be halted and the applicant/operator shall consult with the County and a qualified archaeologist (as approved by the County) and corresponding tribal representative to assess the significance of the find per CEQA Guidelines Section 15064.5. The qualified archaeologist shall determine the nature of the find, evaluate its significance, and, if necessary, suggest preservation or mitigation measures. Appropriate mitigation measures, based on recommendations listed in the archaeological survey report and tribal representative, will be determined by the Glenn County Planning & Community Development Services Agency. Work may proceed on other parts of the project site while mitigation for historical resources, unique archaeological resources, and/or tribal resources is carried out.

All significant cultural materials recovered shall be, at the discretion of the consulting archaeologist, subject to scientific analysis, professional museum curation, tribal representative, and documented according to current professional standards.

Timing/Implementation: During Construction/Excavation Activities

Enforcement/Monitoring:

Glenn County Planning & Community Development Services Agency

Finding 19 (Utilities and Service Systems)

The project will not have a significant impact on utilities and service systems. The project will not require or result in new or expanded municipal facilities that could cause significant environmental effects. Impacts are considered less than significant.

Finding 20 (Wildfire)

The project will not have a significant impact on wildfires. The project will not impair an adopted emergency response plan or emergency evacuation plan. Impacts are considered less than significant.

Finding 21 (Mandatory Findings of Significance)

There is no substantial evidence in light of the whole record that the project may have a significant impact on the environment either cumulatively or individually. Impacts are considered less than significant.

4.2 FINDINGS FOR CONDITIONAL USE PERMIT

According to Glenn County Code Sections 15.22.010 and 15.22.030, the following Findings listed in Glenn County Code Section 15.22.020 shall be made prior to recommending approval of a conditional use permit:

Finding 1

That the proposed use at the particular location is necessary or desirable in providing a service or facility, which will contribute to the general well-being of the public.

Finding 2

That such use will not, under the circumstances of the particular case, be detrimental to the health, safety, or general welfare of persons residing or working on the vicinity, or injurious to property or improvements in the vicinity. The proposed project will not have adverse effects on nearby residents, uses, or the public in general.

Finding 3

That the site for the proposed use is adequate in size and shape to accommodate said use and to accommodate all of the yards, setbacks, walls or fences, and other features required herein or by the Planning Commission.

Finding 4

That granting the permit will not adversely affect the General Plan or any area plan of the County because the proposed project conforms to the General Plan and County Code.

5 SAMPLE MOTIONS:

Environmental Determination:

I move that the Planning Commission adopt a Mitigated Negative Declaration for Conditional Use Permit 2024-004, Carriere/Syntech CF1, LLC Advanced Thermal Conversion with the Findings as presented in the Staff Report.

Conditional Use Permit:

I (further) move that the Planning Commission approve Conditional Use Permit 2024-004, Carriere/Syntech CF1, LLC Advanced Thermal Conversion with the Findings as presented in the Staff Report and the Mitigation Measures and Conditions of Approval as attached.

**GLENN COUNTY PLANNING AND
COMMUNITY DEVELOPMENT SERVICES AGENCY**

CONDITIONS OF APPROVAL AND MITIGATION MONITORING PROGRAM

**Conditional Use Permit 2024-004,
Carriere/Syntech CF1, LLC Advanced Thermal Conversion**

Pursuant to the approval of the Glenn County Planning Commission, **Conditional Use Permit 2024-004, Carriere/Syntech CF1, LLC Advanced Thermal Conversion** is hereby granted subject to the Mitigation Measures and Conditions of Approval set forth herein. Pending final approval by the Glenn County Planning Commission the applicant shall file a signed copy of these Conditions of Approval with the Glenn County Planning & Community Development Services Agency.

Project Description:

Conditional Use Permit 2024-004, Carriere/Syntech CF1, LLC Advanced Thermal Conversion (ATC) project will operate on a 24/7 basis to remediate up to 135,000 tons a year of waste walnut shells (WWS) from an existing onsite walnut shelling facility into approximately 1,041,000 MMBtu/year of Renewable Natural Gas (RNG), which will then be compressed into a mobile storage trailer and then transported an existing walnut huller/dryer facility to be injected into a PG&E pipeline. The RNG project, referred to as SynTech CF1 will consist of the following four main operational components:

1. Organic Feedstock to Syngas Conversion
2. Biochar Transfer and Storage Facility
3. Collection of Syngas and Upgrade to Pipeline Quality RNG
4. Pipeline RNG Storage and Transfer Facility

Walnut shells will be moved to the ATC site via an enclosed conveyor system to a secondary waste walnut shell storage building used specifically for the ATC process. The project will draw power from the local utility grid during normal operation. In the case of grid power interruption, a natural gas and/or syngas fueled emergency generator will power essential safety and operational systems until grid power is restored. The biochar byproduct of the ATC process will be approximately 4% by volume of the WWS volume converted or remediated in the process and will be collected in 500 lb. storage containers for storage and shipment. Additional project information is included in the application and documents.

Location:

The project is located at 1640 State Route 45, south of the community of Glenn; located on the east side of State Route 45, south of the County Road 52, west of the Sacramento River, and north of County Road 54, in the unincorporated area of Glenn County, California.

APNs: 016-030-011 (96.37± acres), 016-090-016 (145.75± acres)

Conditional Use Permit 2024-004,
Carriere/Syntech CF1, LLC Advanced Thermal Conversion

CONDITIONS OF APPROVAL AND MITIGATION MEASURES

CONDITIONS OF APPROVAL:

Glenn County Planning Division:

Condition of Approval (Planning Division):

The applicant/operator shall provide bi-annual (due by January 1 and July 1 of each year) reporting to the Planning Division evidencing that no more than 135,000 tons a year of waste walnut shells (WWS) from the existing onsite walnut shelling facility shall be processed.

Condition of Approval (Planning Division):

The applicant/operator shall provide bi-annual reporting (due by January 1 and July 1 of each year) to the Planning Division that no more than 1,041,000 MMBtu/year of Renewable Natural Gas (RNG), is transported from the existing onsite walnut shelling facility per year.

Condition of Approval (Planning Division):

The applicant/operator shall provide bi-annual reporting (due by January 1 and July 1 of each year) to the Planning Division that the waste walnut shells (WWS) are sourced only from the existing onsite walnut shelling facility.

Condition of Approval (Planning Division):

That the areas of operation and uses shall be confined to as listed in these Mitigation Measures and Conditions of Approval, and delineated as on file with the Glenn County Planning & Community Development Services Agency.

Condition of Approval (Planning Division):

The applicant/operator shall provide a bi-annual (due by January 1 and July 1 of each year) Conditions of Approval and Mitigation Measure Compliance monitoring fee of \$250.00 to the Planning Division.

Condition of Approval (Planning Division):

Prior to receiving a Building Permit (Zone Clearance) and operations, the Applicant/Landowner shall submit a copy of a recorded (by Glenn County Recorder's office) Agriculture Statement of Acknowledgement.

Glenn County Building Division:

Condition of Approval (Building Division):

All construction shall require a building permit issued by the Glenn County Building Division.

Condition of Approval (Building Division):

All setbacks to the property lines for existing and proposed structures shall be maintained according to the California Building Code.

Condition of Approval (Building Division):

All existing structures shall comply with the original permitted use, any change of use shall be approved through the permitting process to assure code compliance.

Glenn County Air Pollution Control District (APCD):

Condition of Approval (APCD):

The applicant/operator shall modify their existing District Permit to Operate; complete and submit an Authorization to Construct (ATC) application prior to construction. All new sources of air pollution and the air pollution control equipment including emissions estimates shall be included in the ATC application.

Glenn County Environmental Health Department (EHD):

Condition of Approval (EHD):

The applicant/operator shall be approved, regulated and have a solid waste permit through the Environmental Health Department (EHD) with concurrence/oversight by CalRecycle.

Condition of Approval (EHD):

The existing onsite wastewater treatment systems (OWTS) shall be expanded and/or new OWTS shall be installed to accommodate the increase in employees. All OWTS shall be permitted and approved by the Environmental Health Department (EHD).

Condition of Approval (EHD):

Restroom facilities shall be provided to accommodate workers during construction of the project and shall be approved by the EHD.

Condition of Approval (EHD):

Water wells used to supply potable water shall meet current construction requirements, be permitted and regulated by the EHD or the State Water Resource Control Board (SWRCB), Division of Drinking Water.

Condition of Approval (EHD):

All garbage, rubbish and refuse created, produced or accumulated during construction, at the proposed facility and/or on the property shall be removed by a permitted waste hauler or taken to a permitted facility at least once each week. All garbage shall be kept in a container with a close-fitting cover, without leakage or escape of odors.

California Department of Transportation (Caltrans):

Condition of Approval (Caltrans):

The applicant/operator shall be responsible to complete all Caltrans requirements and improvements; including a Traffic Impact Study (TIS) that includes information regarding anticipated project trip generations, trip distributions, and anticipated queuing using the Institute of Transportation Engineering (ITE) Trip Generation Manual for the analysis.

Condition of Approval (Caltrans):

The applicant/operator shall provide Caltrans any requested information regarding driveway access to and from both sites. This information shall be in site plans showing proper dimension of all driveways as outlined in the California Highway Design Manual (HDM) with Auto Turn CAD templates, using the correct design vehicle, showing the design vehicle entering and exiting the site plans.

Condition of Approval (Caltrans):

The applicant/operator shall provide Caltrans mapping for all connections to the State Highway System (SHS) showing the State right of way (ROW) delineated with bearings, distances along with State Route (SR) boundary determination.

Condition of Approval (Caltrans):

The applicant/operator shall ensure with Caltrans that the design vehicle is appropriate, based off the Truck Networks on California State Highways Map for District 3 including information about the design vehicle(s) used at the sites.

Condition of Approval (Caltrans):

The applicant/operator shall be responsible for an encroachment permit issued by Caltrans for any project or work, including access modification and drainage work, that takes place along or within the State's right of way (ROW).

MITIGATION MEASURES:

Mitigation Measure AFR -1 (Agriculture and Forest Resources):

The applicant/landowner shall provide bi-annual reporting (in the form of a map/site plan) to the Planning Division evidencing that no less than 4.3 acres of the project site property remains in orchard, or other food or fiber production; thereby maintaining said 4.3-acre portion of the property in Prime Farmland status (according to the most recent California Department of Conservation, Division of Land Resource Protection, Farmland Mapping and Monitoring Program (FMMP)).

Timing/Implementation: In perpetuity of the project

Enforcement/Monitoring:

Glenn County Planning & Community Development Services Agency

Mitigation Measure H & WQ-1 (Hydrology & Water Quality):

Prior to permit issuance, the Applicant shall provide Glenn County Planning Division a copy of a Construction General Permit (or written exemption thereof) from Central Valley Regional Water Quality Control Board.

Timing/Implementation:

Prior to site disturbance (including moving dirt, leveling and grading)

Enforcement/Monitoring:

Glenn County Planning & Community Development Services Agency &
Central Valley Regional Water Quality Control Board

Mitigation Measure CR-1 (Cultural Resources):

If subsurface deposits believed to be cultural or human in origin are discovered during construction, all work must halt within a 100-foot radius of the discovery. A qualified professional archaeologist, meeting the Secretary of the Interior's Professional Qualification Standards for prehistoric and historic archaeologist, shall be retained to evaluate the significance of the find, and shall have the authority to modify the no-work radius as appropriate, using professional judgment. The following notifications shall apply, depending on the nature of the find:

- If the professional archaeologist determines that the find does not represent a cultural resource, work may resume immediately and no agency notifications are required.
- If the professional archaeologist determines that the find does represent a cultural resource from any time period or cultural affiliation, he or she shall immediately notify the lead federal agency, the lead CEQA agency, and applicable landowner.

The agencies shall consult on a finding of eligibility and implement appropriate treatment measures if the find is determined to be eligible for inclusion in the NRHP or CRHR. Work may not resume within the no-work radius until the lead agencies, through consultation as appropriate, determine that the site either:

- 1) is not eligible for the NRHP or CRHR; or
 - 2) that the treatment measures have been completed to their satisfaction.
- If the find includes human remains, or remains that are potentially human, he or she shall ensure reasonable protection measures are taken to protect the discovery from disturbance (Assembly Bill [AB] 2641). The archaeologist shall notify Glenn Butte County Coroner (as per § 7050.5 of the Health and Safety Code). The provisions of § 7050.5 of the California Health and Safety Code, § 5097.98 of the California PRC, and AB 2641 will be implemented. If the Coroner determines the remains are Native American and not the result of a crime scene, the coroner will notify the NAHC, which then will designate a Native American Most Likely Descendant (MLD) for the Project (§ 5097.98 of the PRC). The designated MLD will have 48 hours from the time access to the property is granted to make recommendations concerning treatment of the remains. If the landowner does not agree with the recommendations of the MLD, the NAHC can mediate (§ 5097.94 of the PRC). If no agreement is reached, the landowner must rebury the remains where they will not be further disturbed (§ 5097.98 of the PRC). This will also include either recording the site with the NAHC or the appropriate Information Center; using an open space or conservation zoning designation or easement; or recording a reinternment document with the county in which the property is located (AB 2641). Work may not resume within the no-work radius until the lead agencies, through consultation as appropriate, determine that the treatment measures have been completed to their satisfaction.

Timing/Implementation: During Construction/Excavation Activities

Enforcement/Monitoring:

Glenn County Planning & Community Development Services Agency

Mitigation Measure TCR -1 (Tribal Cultural Recourses):

In the event that any prehistoric or historic subsurface cultural (including Tribal) resources are discovered during ground disturbing activities, all work within 100 feet of the resources shall be halted and the applicant/operator shall consult with the County and a qualified archaeologist (as approved by the County) and corresponding tribal representative to assess the significance of the find per CEQA Guidelines Section 15064.5. The qualified archaeologist shall determine the nature of the find, evaluate its significance, and, if necessary, suggest preservation or mitigation measures. Appropriate mitigation measures, based on recommendations listed in the archaeological survey report and tribal representative, will be determined by the Glenn County Planning & Community Development Services Agency. Work may proceed on other parts of the project site while mitigation for historical resources, unique archaeological resources, and/or tribal resources is carried out.

All significant cultural materials recovered shall be, at the discretion of the consulting archaeologist, subject to scientific analysis, professional museum curation, tribal representative, and documented according to current professional standards.

Timing/Implementation: During Construction/Excavation Activities

Enforcement/Monitoring:

Glenn County Planning & Community Development Services Agency

Acknowledgment:

I hereby declare under penalty of perjury that I have read the foregoing conditions, which are in fact the conditions that were imposed upon the granting of the Conditional Use Permit, and that I agree to abide fully by said conditions. Additionally, I have read the Staff Report and I am aware of codified county, state, and/or federal standards and regulations that shall be met with the granting of this permit. I have the proper legal authority to, and am signing on the behalf of, those with interest in:

Conditional Use Permit 2024-004, Carriere/Syntech CF1, LLC
Advanced Thermal Conversion.

Signed: _____ Date: _____

Wayne McFarland, Applicant/Operator, Syntech

Signed: _____ Date: _____

William Carriere, Carriere Family Farms, Landowner

**Conditional Use Permit 2024-004,
Carriere/Syntech CF1, LLC Advanced Thermal Conversion**

Mitigated Negative Declaration and Initial Study

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MITIGATED NEGATIVE DECLARATION

DATE: March 12, 2025

PROJECT TITLE: **Conditional Use Permit 2024-004, Carriere/Syntech CF1, LLC Advanced Thermal Conversion**

LEAD AGENCY: Glenn County Planning & Community Development Services Agency
225 N. Tehama St.
Willows, California 95988

CONTACT: Andy Popper, Principal Planner
(530) 934-6540
apopper@countyofglenn.net

LOCATION: The project is located at 1640 State Route 45, south of the community of Glenn; located on the east side of State Route 45, south of the County Road 52, west of the Sacramento River, and north of County Road 54, in the unincorporated area of Glenn County, California.

APN: 016-030-011 (96.37± acres), 016-090-016 (145.75± acres)

APPLICANT: Wayne McFarland
1625 Broadway Street
Suite 119
Fresno, CA 93721
(815) 513-3363
wmcf@syntechbioenergy.com

LANDOWNER: Carriere Family Farms
1640 State Highway 45
Glenn, CA 95943
(530) 934-8200
wcarriere@carrierefarms.com

ENGINEER: Jason Vine
1767 Market Street, Suite C1
Redding, CA 96001
(530) 526-7493
jason@realm-engineering.com

ZONING: "FS-80" Farmland Security Zone

GENERAL PLAN: "Intensive Agriculture"

PROPOSAL:

**Conditional Use Permit 2024-004, Carriere/Syntech CF1, LLC
Advanced Thermal Conversion**

Conditional Use Permit 2024-004, Carriere/Syntech CF1, LLC Advanced Thermal Conversion (ATC) project will operate on a 24/7 basis to remediate up to 135,000 tons a year of waste walnut shells (WWS) from an existing onsite walnut shelling facility into approximately 1,041,000 MMBtu/year of Renewable Natural Gas (RNG), which will then be compressed into a mobile storage trailer and then transported an existing walnut huller/dryer facility to be injected into a PG&E pipeline. The RNG project, referred to as SynTech CF1 will consist of the following four main operational components:

1. Organic Feedstock to Syngas Conversion
2. Biochar Transfer and Storage Facility
3. Collection of Syngas and Upgrade to Pipeline Quality RNG
4. Pipeline RNG Storage and Transfer Facility

Walnut shells will be moved to the ATC site via an enclosed conveyor system to a secondary waste walnut shell storage building used specifically for the ATC process. The project will draw power from the local utility grid during normal operation. In the case of grid power interruption, a natural gas and/or syngas fueled emergency generator will power essential safety and operational systems until grid power is restored. The biochar byproduct of the ATC process will be approximately 4% by volume of the WWS volume converted or remediated in the process and will be collected in 500 lb. storage containers for storage and shipment. Additional project information is included in the application and documents.

Additional project information is included in the application and documents

Surrounding Land Uses and Setting:

Surrounding land uses and setting is further described in Section 2 below.

Other Public Agencies whose Approval is Required (e.g. permits, financing approval, or participation agreement.):

Other agencies may require permits that were not specifically listed or have yet to be recognized through the Initial Study and Glenn County permitting process. It is the responsibility of the applicant/agent to recognize and acquire any/all necessary permit approvals.

FINDINGS FOR MITIGATED NEGATIVE DECLARATION:

An Initial Study has been prepared by the Glenn County Planning & Community Development Services Agency. Based on this study, it is determined that the proposed project will not have a significant effect on the environment. The following Findings are made based on the Initial Study to support a Mitigated Negative Declaration:

Finding 1 (Aesthetics)

The project will not have a significant impact on aesthetics. The adopted standards for lighting and construction will minimize impacts from future development. Impacts are considered less than significant.

Finding 2 (Agricultural and Forest Resources)

The project will not have a significant impact on agriculture or forest resources. The proposed project will not conflict with existing zoning for, or cause rezoning of, forestland, timberland, or timberland zoned Timberland Production. The entire property is under a Farmland Security Contract. In order to offset the 4.3-acre footprint of the proposal, and to meet county code, the following Mitigation Measure will be made as a part of the project.

Mitigation Measure AR -1 (Agricultural Resources):

The applicant/landowner shall provide bi-annual reporting (in the form of a map/site plan) to the Planning Division evidencing that no less than 4.3 acres of the project site property remains in orchard, or other food or fiber production; thereby maintaining said 4.3-acre portion of the property in Prime Farmland status (according to the most recent California Department of Conservation, Division of Land Resource Protection, Farmland Mapping and Monitoring Program (FMMP)).

Timing/Implementation: In perpetuity of the project

Enforcement/Monitoring:

Glenn County Planning & Community Development Services Agency

Finding 3 (Air Quality)

The project will not have a significant impact on air quality because the project will not violate air quality standards or contribute substantially to an existing air quality violation. Additionally, the project will not adversely impact sensitive receptors nor would it create objectionable odors. Impacts are considered less than significant.

Finding 4 (Biological Resources)

The project will not have a significant impact on biological resources. There are no identified sensitive habitats or natural communities, therefore the project will have a less

than significant impact on species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service. Impacts are considered less than significant.

Finding 5 (Cultural Resources)

The project will not have significant impact on cultural resources. State laws are in place in case of accidental discoveries made during future ground disturbing activities. Impacts are considered less than significant with the Mitigation Measure.

Mitigation Measure CR-1 (Cultural Resources)

If subsurface deposits believed to be cultural or human in origin are discovered during construction, all work must halt within a 100-foot radius of the discovery. A qualified professional archaeologist, meeting the Secretary of the Interior's Professional Qualification Standards for prehistoric and historic archaeologist, shall be retained to evaluate the significance of the find, and shall have the authority to modify the no-work radius as appropriate, using professional judgment. The following notifications shall apply, depending on the nature of the find:

- *If the professional archaeologist determines that the find does not represent a cultural resource, work may resume immediately and no agency notifications are required.*
- *If the professional archaeologist determines that the find does represent a cultural resource from any time period or cultural affiliation, he or she shall immediately notify the lead federal agency, the lead CEQA agency, and applicable landowner. The agencies shall consult on a finding of eligibility and implement appropriate treatment measures if the find is determined to be eligible for inclusion in the NRHP or CRHR. Work may not resume within the no-work radius until the lead agencies, through consultation as appropriate, determine that the site either:*
 - 1) *is not eligible for the NRHP or CRHR; or*
 - 2) *that the treatment measures have been completed to their satisfaction.*
- *If the find includes human remains, or remains that are potentially human, he or she shall ensure reasonable protection measures are taken to protect the discovery from disturbance (Assembly Bill [AB] 2641). The archaeologist shall notify Glenn County Coroner (as per § 7050.5 of the Health and Safety Code). The provisions of § 7050.5 of the California Health and Safety Code, § 5097.98 of the California PRC, and AB 2641 will be implemented.*
- *If the Coroner determines the remains are Native American and not the result of a crime scene, the coroner will notify the NAHC, which then will designate a Native American Most Likely Descendant (MLD) for the Project (§ 5097.98 of the PRC). The designated MLD will have 48 hours from the time access to the property is granted to make recommendations concerning treatment of the remains. If the landowner does not agree with the recommendations of the MLD, the NAHC can mediate (§ 5097.94 of the PRC). If no agreement is reached, the landowner must rebury the remains where they will not be further disturbed (§ 5097.98 of the PRC). This will also include either recording*

the site with the NAHC or the appropriate Information Center; using an open space or conservation zoning designation or easement; or recording a reinternment document with the county in which the property is located (AB 2641). Work may not resume within the no-work radius until the lead agencies, through consultation as appropriate, determine that the treatment measures have been completed to their satisfaction.

Finding 6 (Energy)

The project will not have a significant impact on energy. The project will comply with California Green Building Standards as well as California Energy Code. The project will not conflict or obstruct with, and is required to meet state or local plans for renewable or efficient energy.

Finding 7 (Geology and Soils)

The project will not have a significant impact on geology and soils because geologic hazards in the area are minimal and the building codes will require new construction to meet standards for soil conditions. Impacts are considered less than significant.

Finding 8 (Greenhouse Gas Emissions)

The project will not have a significant impact on global climate change as a result of greenhouse gas emissions. The project is not in conflict with existing guidelines or standards. The project will not conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases. No significant change in the current use of the land will result. The project will not create significant changes in GHG emissions. Impacts are considered less than significant.

Finding 9 (Hazards and Hazardous Materials)

Hazards and hazardous materials will not have a significant impact on the environment as a result of the proposed project. The project will not interfere with an adopted emergency response plan nor expose people to risk of loss, injury, or death. Impacts are considered less than significant.

Finding 10 (Hydrology/Water Quality)

The project will not have a significant impact on hydrology and water quality because the project will not significantly alter the drainage pattern of the area. The project will not significantly interfere with groundwater recharge in the area. The project will not substantially deplete groundwater supplies or expose people or structures to a significant risk of loss, injury, or death involving flooding. The project will not violate water quality standards or waste discharge requirements. Impacts are considered less than significant with mitigation incorporated:

Mitigation Measure H & WQ-1 (Hydrology & Water Quality)

Prior to site disturbance, the Applicant shall provide Glenn County Planning Division a copy of a Construction General Permit (or written exemption thereof) from Central Valley Regional Water Quality Control Board.

Finding 11 (Land Use and Planning)

The project will not have a significant impact on land use and planning because the project would not physically divide an established community. The project site will meet the size and density requirements of the General Plan and Title 15 of the Glenn County Code and is consistent with the surrounding area. The project is also compatible with the Glenn County General Plan land use designation of "Intensive Agriculture". The project will not conflict with an existing habitat conservation plan or natural community conservation plan. Impacts are considered less than significant.

Finding 12 (Mineral Resources)

The project will not have a significant impact on mineral resources; according to the California Department of Conservation Mineral Lands Classification Map, the property does not contain Concrete-Grade Mineral Aggregates; In addition, based on the relative size of the project footprint impacts are considered less than significant.

Finding 13 (Noise)

The project will not have a significant impact on people residing or working in the area from excessive noise levels. The proposed project will not substantially increase noise levels in the area or expose people in the area to excessive noise levels. Any future noise generating activities are required to meet the established standards prescribed by the County Code. The project site is not directly within an airport land use plan and not in the vicinity of a private airstrip which would expose people in the area to unacceptable noise levels. Impacts are considered less than significant.

Finding 14 (Population and Housing)

The project will not have a significant impact on population and housing because the project will not displace people or housing. The project does not induce population growth. Impacts are considered less than significant.

Finding 15 (Public Services)

The project will not have a significant impact on public services. The services of fire protection, police protection, schools, parks, and other public facilities are sufficient to accommodate the proposed project. Existing requirements for taxes and developmental impact fees are implemented to offset impacts. Less than significant impacts are anticipated.

Finding 16 (Recreation)

The project will not have a significant impact on recreation because it would not substantially increase the use of existing recreational facilities nor does the project include such facilities. No impacts are anticipated.

Finding 17 (Transportation/Traffic)

The project will not have a significant impact on transportation/circulation because it will not significantly increase traffic volumes on existing roads. The project will not change air traffic patterns. There is adequate access to the project site. Public roads will provide adequate emergency access to the project site. Alternative transportation plans will not be impacted. Impacts are considered less than significant.

Finding 18 (Tribal Cultural Resources)

The project will not have a significant impact on Tribal Cultural Resources. The project will not have a significant impact on Tribal Cultural Resources with mitigation measures incorporated. Native Tribes were sent project documentation and invited to review and comment on the project. It is concluded this proposal will not have a significant impact with mitigation measures incorporated.)

Mitigation Measure TCR -1 (Tribal Cultural Recourses):

In the event that any prehistoric or historic subsurface cultural (including Tribal) resources are discovered during ground disturbing activities, all work within 100 feet of the resources shall be halted and the applicant/operator shall consult with the County and a qualified archaeologist (as approved by the County) and corresponding tribal representative to assess the significance of the find per CEQA Guidelines Section 15064.5. The qualified archaeologist shall determine the nature of the find, evaluate its significance, and, if necessary, suggest preservation or mitigation measures. Appropriate mitigation measures, based on recommendations listed in the archaeological survey report and tribal representative, will be determined by the Glenn County Planning & Community Development Services Agency. Work may proceed on other parts of the project site while mitigation for historical resources, unique archaeological resources, and/or tribal resources is carried out.

All significant cultural materials recovered shall be, at the discretion of the consulting archaeologist, subject to scientific analysis, professional museum curation, tribal representative, and documented according to current professional standards.

Timing/Implementation: During Construction/Excavation Activities

Enforcement/Monitoring:

Glenn County Planning & Community Development Services Agency

Finding 19 (Utilities and Service Systems)

The project will not have a significant impact on utilities and service systems. The project will not require or result in new or expanded municipal facilities that could cause significant environmental effects. Impacts are considered less than significant.

Finding 20 (Wildfire)

The project will not have a significant impact on wildfires. The project will not impair an adopted emergency response plan or emergency evacuation plan. Impacts are considered less than significant.

Finding 21 (Mandatory Findings of Significance)

There is no substantial evidence in light of the whole record that the project may have a significant impact on the environment either cumulatively or individually. Impacts are considered less than significant.

CHAPTER 1 INTRODUCTION

1.1 INTRODUCTION AND REGULATORY GUIDANCE

This Initial Study has been prepared by the County of Glenn to evaluate the potential impacts on the environment that could result from the implementation of the proposed project and to identify, if necessary, any mitigation measures that will reduce, offset, minimize, avoid, or otherwise compensate for significant environmental impacts.

This Initial Study has been prepared in accordance with the requirements of the California Environmental Quality Act (CEQA), encoded in Sections 21000 *et seq.* of the Public Resources Code (PRC) with Guidelines for Implementation codified in the California Code of Regulations (CCR), Title 14, Chapter 3, Sections 15000 *et seq.*

An initial study is conducted by a lead agency to determine if a project may have a significant effect on the environment [CEQA Guidelines §15063(a)]. If there is substantial evidence that a project may have a significant effect on the environment, an Environmental Impact Report (EIR) must be prepared, in accordance with CEQA Guidelines §15064(a). However, if the lead agency determines that there is no substantial evidence that the project may have a significant effect on the environment, a Negative Declaration may be prepared [CEQA Guidelines §15064(f)(3)]. The lead agency prepares a written statement describing the reasons a proposed project would not have a significant effect on the environment and, therefore, why an EIR need not be prepared. This document conforms to the content requirements under CEQA Guidelines §15071.

Alternatively, a Mitigated Negative Declaration may be prepared if the Initial Study identifies a potentially significant effect for which the project's proponent, before public release of a proposed Mitigated Negative Declaration, has made or agrees to make project revisions that mitigate the effects [CEQA Guidelines §15064(f)(2)].

Approval of the proposed project requires discretionary action by the County. According to CEQA Guidelines, a discretionary action or project must be reviewed by the lead agency, to determine its potential effects on the environment. Prior to preparation of the Initial Study, a Request for Review, which included a copy of the application and project description, was sent out by the County of Glenn to responsible and trustee state agencies, and local agencies and organizations to identify issues to be addressed in the Initial Study. Comments that were received were considered during the preparation of the Initial Study.

1.2 LEAD AGENCY

The lead agency is the public agency with primary approval authority over the proposed project. In accordance with CEQA Guidelines §15051(b)(1), "the lead agency will normally be an agency with general governmental powers, such as a city or county, rather than an agency with a single or limited purpose."

The lead agency for the proposed project is Glenn County Planning & Community Development Services Agency. The contact person for the lead agency to whom all inquiries and comments on this environmental document should be addressed is:

Andy Popper, Principal Planner
Glenn County Planning & Community Development Services Agency
225 North Tehama Street, Willows, CA 95988
(530) 934-6540, apopper@countyofglenn.net

1.3 SUMMARY OF FINDINGS

Chapter 3 of this document contains the Environmental (Initial Study) Checklist that identifies the potential environmental impacts (by environmental issue) and a brief discussion of each impact resulting from implementation of the proposed project.

In accordance with §15064(f)(3) of the CEQA Guidelines, a Negative Declaration shall be prepared if there is no substantial evidence that the project may have a significant effect on the environment. Based on the available project information and the environmental analysis presented in this document, there is no substantial evidence that the proposed project would have a significant effect on the environment. It is proposed that a Mitigated Negative Declaration be adopted in accordance with the CEQA Guidelines.

CHAPTER 2 PROJECT DESCRIPTION

2.1 Project Description

This Initial Study has been prepared for Conditional Use Permit 2024-004, Carriere/Syntech CF1, LLC Advanced Thermal Conversion (ATC) project will operate on a 24/7 basis to remediate up to 135,000 tons a year of waste walnut shells (WWS) from an existing onsite walnut shelling facility into approximately 1,041,000 MMBtu/year of Renewable Natural Gas (RNG), which will then be compressed into a mobile storage trailer and then transported an existing walnut huller/dryer facility to be injected into a PG&E pipeline. The RNG project, referred to as SynTech CF1 will consist of the following four main operational components:

5. Organic Feedstock to Syngas Conversion
6. Biochar Transfer and Storage Facility
7. Collection of Syngas and Upgrade to Pipeline Quality RNG
8. Pipeline RNG Storage and Transfer Facility

Walnut shells will be moved to the ATC site via an enclosed conveyor system to a secondary waste walnut shell storage building used specifically for the ATC process. The project will draw power from the local utility grid during normal operation. In the case of grid power interruption, a natural gas and/or syngas fueled emergency generator will power essential safety and operational systems until grid power is restored. The biochar byproduct of the ATC process will be approximately 4% by volume of the WWS volume converted or remediated in the process and will be collected in 500 lb. storage containers for storage and shipment.

2.2 Location

The project is located at 1640 State Route 45, south of the community of Glenn; located on the east side of State Route 45, south of the County Road 52, west of the Sacramento River, and north of County Road 54, in the unincorporated area of Glenn County, California.

2.3 Surrounding Land Uses and Setting

The majority of the project site is being utilized for agriculture and residences.

Table 1 identifies the existing uses, General Plan designation and Zoning designations for the subject property and neighboring properties. All of the surrounding parcels are zoned agriculture.

Table 1: Existing Uses and Land Use Designations			
	Existing Uses	General Plan	Zoning Designations
Project Site	Agriculture	Intensive Agriculture	FS-80
North	Agriculture/Residential	Intensive Agriculture	FS-80/AE40
East	Agriculture	Intensive Agriculture	FS-80
South	Agriculture/Residential	Intensive Agriculture	FS-80/AE-40
West	Agriculture/Residential	Intensive Agriculture	FS-80

CHAPTER 3

ENVIRONMENTAL CHECKLIST

PURPOSE OF THIS INITIAL STUDY

This Initial Study has been prepared consistent with CEQA Guidelines Section 15063, to determine if the project, as proposed, may have a significant effect upon the environment.

A significant impact is considered a substantial adverse effect, one that exceeds some critical and accepted threshold for negative environmental effects. CEQA defines a significant effect on the environment as "...a substantial, or potentially substantial, adverse (i.e., negative) change in any of the physical conditions within the area directly or indirectly caused by the Project, including effects on land, air, water, flora, fauna, ambient noise, and objects of historic or aesthetic "significance" (CEQA Guidelines, §15382). As recommended in the CEQA Guidelines, impacts are also identified as "potentially significant" prior to mitigation.

Mitigation Measures are measures to mitigate, avoid, or substantially lessen impacts identified as significant or potentially significant. According to CEQA, the term "mitigation measures" refers to those items that are in addition to standard conditions, uniform codes, or project features that may also reduce potential impacts.

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist, and corresponding discussion on the following pages.

☐	Aesthetics	☐	Agriculture and Forestry Resources	☐	Air Quality
☐	Biological Resources	☐	Cultural Resources	☐	Energy
☐	Geology/Soils	☐	Greenhouse Gas Emissions	☐	Hazards & Hazardous Materials
☐	Hydrology/Water Quality	☐	Land Use/Planning	☐	Mineral Resources
☐	Noise	☐	Population/Housing	☐	Public Services
☐	Recreation	☐	Transportation	☐	Tribal Cultural Resources
☐	Utilities/Service Systems	☐	Wildfire	☐	Mandatory Findings of Significance

DETERMINATION: On the basis of this initial evaluation:	
☐	I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
☒	I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
☐	I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
☐	I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
☐	I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Andy Popper

Signature

Andy Popper, Principal Planner

March 12, 2025

Date

I. AESTHETICS

Would the project:		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a)	Have a substantial adverse effect on a scenic vista?	☐	☐	☐	☒
b)	Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	☐	☐	☒	☐
c)	In nonurbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	☐	☐	☒	☐
d)	Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	☐	☐	☒	☐

a) Would the project have a substantial adverse effect on a scenic vista?

Less Than Significant Impact. A scenic vista can be defined as a viewpoint that provides expansive views of a highly valued landscape for the benefit of the public. There is no designated scenic vista on or adjacent to the proposal site, therefore there will be no impact.

b) Would the project substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?

Less Than Significant Impact. Scenic resources are defined as those landscape patterns and features that are visually or aesthetically pleasing and that, therefore, contribute affirmatively to the definition of a distinct community or region. Scenic areas, open spaces, rural landscapes, vistas, country roads, and other factors interact to produce a net visual benefit upon individuals or communities. Those visual resources that uniquely contribute to that public benefit are scenic resources under CEQA.

The proposed project would not remove scenic resources such as buildings (historic or otherwise), rock outcroppings, or trees. There are no unique scenic

resources or structures located at the project site. The roadways in Glenn County are not listed as Eligible or as Officially Designated Scenic Highways according to the California Department of Transportation.¹ The project as proposed will not damage scenic resources in the area. It is concluded that there will be a less than significant impact.

c) In nonurbanized areas, would the project substantially degrade the existing visual character or quality of the site and its surroundings?

Less Than Significant Impact. Visual character is descriptive and non-evaluative, which means it is based on defined attributes that are neither good nor bad in and of themselves. It is the objective composition of the visible landscape within a viewshed. It is the viewer's perception of the visual environment and varies based on exposure, sensitivity, and expectation of the viewers. The existing visual character of the specific project location will change, but would not substantially be degraded.

Compliance with the Glenn County Code provides standards for building height and placement of future structures to ensure the visual quality of the area. Therefore, the existing visual character of the project site would not substantially change or be degraded. It is concluded that there will be a less than significant impact on the existing visual character and quality of the site and its surroundings as a result of this project.

d) Would the project create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?

Less Than Significant Impact. The proposal is not anticipated to produce glare, which may adversely affect day or nighttime views in the area. Therefore, glare from the project site would not be substantial enough to alter the existing characteristics of the area.

Installation of future lighting will be required to conform to the Glenn County Code. Glenn County Code §15.56.080 (Glare and Heat) states the following: *All exterior lighting accessory to any use shall be hooded, shielded or opaque. No unobstructed beam of light shall be directed beyond any exterior lot line.* New exterior lighting will be required to be hooded to reduce glare and retain light to limited areas. Additionally, the light shall not be directed beyond the property lines. It is concluded that there will be a less than significant impact.

¹ California Department of Transportation. *Officially Designated State Scenic Highways*.
<https://dot.ca.gov/programs/design/lap-landscape-architecture-and-community-livability/lap-liv-i-scenic-highways>

II. AGRICULTURE AND FOREST RESOURCES

In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board.

Would the project:		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a)	Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	☐	☒	☐	☐
b)	Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☐	☐	☒	☐
c)	Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?	☐	☐	☐	☒
d)	Result in the loss of forest land or conversion of forest land to non-forest use?	☐	☐	☐	☒
e)	Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	☐	☐	☐	☒

- a) **Would the project convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared**

pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?

Less Than Significant With Mitigation Incorporated. The California Department of Conservation, Division of Land Resource Protection, Farmland Mapping and Monitoring Program (FMMP), tracks and categorizes land with respect to agricultural resources. Farmland is classified according to its ability to support crops or livestock. Land is designated as one of the following and each has a specific definition: Prime Farmland, Farmland of Statewide Importance, Unique Farmland, Farmland of Local Importance, Farmland of Local Potential, Grazing Land, Urban and Built-Up Land, and Other Land. Based on the most recent FMMP map (2020), the proposed project site with the existing facility is designated Urban and Built-up Land as well as Prime Farmland.

California Department of Conservation defines Urban and Built-Up Land as, “Land occupied by structures with a building density of at least 1 unit to 1.5 acres, or approximately 6 structures to a 10-acre parcel. Defined as land used for residential, industrial, commercial, construction, institutional, public administration, railroad and other transportation yards, cemeteries, airports, golf courses, sanitary landfills, sewage treatment, water control structures, and other developed purposes.

The footprint of the proposed location is no longer in orchard. In addition, the proposed use is for an agricultural processing facility; therefore, no land will be removed from agricultural uses as a result of this proposal. However, in accordance with Glenn County code when a proposed power generation use includes these lands as designated under the FMMP in Agriculture zoning districts or Williamson Act contracted lands specified under Section 15.86.030(A), mitigation shall be required to secure replacement land of equal or greater farming potential at a ratio of 1:1. Said mitigation may be accomplished on the same lot.

The most recent online Farmland Mapping and Monitoring Program (FMMP 2020) depicts approximately 10 acres of the 96-acre parcel as Urban and Built-Up Land, with the remaining 86 acres as Prime Farmland. However, the existing facility footprint (which includes the proposed location of this project) is 28 acres in size. The entire property is under a Farmland Security Contract. Therefore, in order to offset the 4.3-acre footprint of the proposal, and to meet the above County code, the following Mitigation Measure will be made as a part of the project.

Mitigation Measure AR -1 (Agricultural Resources):

The applicant/landowner shall provide bi-annual reporting (in the form of a map/site plan) to the Planning Division evidencing that no less than 4.3 acres of the project site property remains in orchard, or other food or fiber production; thereby maintaining said 4.3-acre portion of the property in Prime Farmland status (according to the most recent California Department of Conservation, Division of Land Resource Protection, Farmland Mapping and Monitoring Program (FMMP)).

Timing/Implementation:
In perpetuity of the project

Enforcement/Monitoring:
Glenn County Planning & Community Development Services Agency

b) Would the project conflict with existing zoning for agricultural use, or a Williamson Act contract?

Less Than Significant Impact. The project site is subject to an agricultural contract under the Williamson Act, as a result of a Farmland Security Act Contract. The property is used as a walnut facility and this project will be ancillary to the exiting agricultural processing facility. This proposal will not significantly compromise the long-term productive agricultural capability of the subject contracted parcel or parcels or on other contracted lands in agricultural preserves because the existing facility is reliant upon the long-term use of walnut orchards. The location for the proposal is currently graded in preparation for development and not being used for orchard; therefore, the proposal would not convert agricultural land to non-agricultural use. The project site will be used in conjunction with the agricultural operations on the site; therefore, will not result in the removal of contracted land from an agricultural use. It is concluded that there will be a less than significant impact on the existing zoning for agricultural use or a Williamson Act contract.

c) Would the project conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?

No Impact. The proposed project will not conflict with existing zoning for, or cause rezoning of, forestland, timberland, or timberland zoned Timberland Production. The project site is zoned "FS-80" Farmland Security Zone (Chapter 15.47 Glenn County Code) and is meant to protect intensive and extensive agricultural activities. The project does not involve construction or conversion of forestland; therefore, it is concluded that the project will have no impact.

d) Would the project result in the loss of forest land or conversion of forest land to non-forest use?

No Impact. Forest land is defined in Public Resources Code section 12220(g) as *land that can support 10-percent native tree cover of any species, including hardwoods, under natural conditions, and that allows for management of one or more forest resources, including timber, aesthetics, fish and wildlife, biodiversity,*

water quality, recreation, and other public benefits. This project will not result in the loss of forest land therefore, there will be no impact as a result of this project.

- e) **Would the project involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?**

No Impact. There will be no changes in the existing environment that would result in the conversion of Farmland to non-agricultural use or conversion of forest land to non-forest use. Therefore, no impacts are anticipated.

III. AIR QUALITY

Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations.

Would the project:		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a)	Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	☒	☐
b)	Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?	☐	☐	☒	☐
c)	Expose sensitive receptors to substantial pollutant concentrations?	☐	☐	☒	☐
d)	Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	☐	☐	☒	☐

The Air Quality section addresses the impacts of the proposed project on ambient air quality and the exposure of people, especially sensitive individuals, to unhealthy pollutant concentrations. Examples of criteria pollutants (according to California Ambient Air Quality Standards) include ozone (O₃), carbon monoxide (CO), sulfur oxides (SO_x) and nitrogen dioxide (NO₂).²

Geographic areas are classified under the federal and California Clean Air Act (CCAA) as in either attainment or nonattainment for each criteria pollutant based on whether the Ambient Air Quality Standards have been achieved. The CCAA requires air districts which have been designated as a nonattainment area for California Ambient Air Quality Standards for ozone, carbon monoxide, sulfur dioxide, or nitrogen dioxide to prepare and submit a plan for attaining and maintaining the standards. Glenn County is within the Northern Sacramento Valley Planning Area air district.

The California Clean Air Act of 1988 also requires that districts review their progress toward attaining the CAAQS every three years. The 2018 Triennial Air Quality Attainment

² Northern Sacramento Valley Planning Area 2018 Triennial Air Quality Attainment PLAN
<http://airquality.org/SVBAPCC/Documents/2018%20Triennial%20Report.pdf>

Plan is the latest Air Quality Attainment Plan that has been prepared for the Northern Sacramento Valley Planning Area.

The 2018 plan assesses the progress made in implementing the previous triennial update completed in 2015 and proposes modifications to the strategies necessary to attain the CAAQS by the earliest practicable date. The 2018 plan includes the following:

1. Assessment of progress towards achieving the control measure commitments in the previous Triennial Plan.
2. Summary of the last three years of ozone data to demonstrate improvement of air quality.
3. Comparison of the expected versus actual emission reductions for each measure committed to in the previous Triennial Plan.
4. Updated control measure commitments and growth rates of population, industry, and vehicle related emissions.

a) Would the project conflict with or obstruct implementation of the applicable air quality plan?

Less Than Significant Impact. Air quality standards are set at both the federal and state levels. The Glenn County Air Pollution Control District (GCAPCD) is responsible for the planning and maintenance/attainment of these standards at the local level. The GCAPCD sets operational rules and limitations for businesses that emit significant amounts of criteria pollutants. The GCAPCD is supervised by the U.S. Environmental Protection Agency. Under the federal Clean Air Act, local air quality districts must produce and implement plans for cleaning up any pollutant that exceeds federal standards.

The proposal will not conflict with or obstruct implementation of an applicable air quality plan. The Air Quality section of the Glenn County General Plan establishes mitigation measures designed to reduce particulate matter (PM) and ozone precursors in the ambient air as a result of emissions from sources that attract or generate motor vehicle activity.

Glenn County has been designated as an attainment area for ozone³; additionally, there have been no exceedances of the maximum ozone values for 1- hour or 8-hour standard since 2010.

There may be a minimal increase in local vehicle trips. Particulate matter emissions can be expected during future construction from the transport of workers and machinery to and from the site as well as operation of equipment on-site. All equipment used shall be maintained in compliance with the U.S. Environmental Protection Agency (USEPA) and the California Air Resources Board engine standards.

³ California Air Resources Board. *Maps of State and Federal Area Designations*.
<https://ww2.arb.ca.gov/resources/documents/maps-state-and-federal-area-designations>

The project would not significantly contribute to air quality impacts during future construction. All future development is to comply with the requirements of the GCAPCD. Given this information, it is concluded that the impact from the proposal is less than significant.

- b) **Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?**

Less Than Significant Impact.

See Section III a)

Each project with emissions falling under regulatory standards must individually comply with the GCAPCD regulations. In addition, each project would be required to utilize the best available control technology to mitigate impacts to air quality.

Glenn County has been designated as an attainment area for ozone; additionally, there have been no exceedances of the maximum ozone values for 1- hour or 8-hour standard since 2010. An “Attainment” area is defined as a geographic area that meets or exhibits values lower than the level of a criteria air pollutant allowed by the federal standards; a “Nonattainment” area is defined as a geographic area in which the level of a criteria air pollutant is higher than the level allowed by the federal standards.

There will not be a significant increase in Vehicle Miles Traveled (VMT) as a result of this project. Northern Sacramento Valley Planning Area 2018 Triennial Air Quality Attainment Plan estimated Glenn County would have VMT/1000 people of approximately 988 by 2020. This project is not anticipated to significantly increase VMT due to the number of people coming on site. It is also not anticipated to increase population. Both VMT and population growth are contributors to pollutants, in this case the impacts from the proposal for VMT and population growth are considered less than significant.

- c) **Would the project expose sensitive receptors to substantial pollutant concentrations?**

Less Than Significant Impact. Neither California statutes nor regulations define “sensitive receptors” but this term normally refers to locations where uses and/or activities result in increased exposure of persons more sensitive to the unhealthful effects of emissions (such as children and the elderly). Examples of sensitive receptors may include schools, hospitals, churches, recreation and residential areas.

The proposed project is adjacent to the existing agricultural processing facility and in an area zoned for agriculture uses. Land use within the vicinity of the project site is primarily intensive agricultural activities. There are no schools, churches,

hospitals, recreation areas, or other public facilities within the immediate vicinity of the project site.

All uses at the site are required to comply with applicable local, state and federal laws and regulations regarding contaminants and pollutants (Glenn County Code §15.56.040). These requirements include, but are not limited to, emissions of suspended particles, carbon monoxide, hydrocarbons, odors, toxic or obnoxious gases and fumes. As there are no sensitive receptors in the immediate vicinity, impacts are anticipated to be less than significant.

d) Would the project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Less Than Significant Impact. The proposal is being located adjacent to the north of an existing walnut shelling facility; thereby being set away from the few residences to the southwest of the proposal. There are no residences within 1,000 feet of the proposal. Therefore, the proposed project would not result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

All uses at the site are required to comply with applicable local, state and federal laws and regulations regarding contaminants and pollutants during construction (Glenn County Code §15.56.040). Impacts are anticipated to be less than significant. In addition to the above Initial Study items the following Condition of Approval will be a requirement for the project:

Condition of Approval (APCD):

The applicant/operator shall modify their existing District Permit to Operate; complete and submit an Authorization to Construct (ATC) application prior to construction. All new sources of air pollution and the air pollution control equipment including emissions estimates shall be included in the ATC application.

IV. BIOLOGICAL RESOURCES

Would the project:		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a)	Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	☐	☐	☒	☐
b)	Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or US Fish and Wildlife Service?	☐	☐	☒	☐
c)	Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☐	☐	☒	☐
d)	Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	☐	☐	☒	☐
e)	Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☐	☐	☒
f)	Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	☐	☐	☐	☒

Regulatory Background

Special-Status Species

Special-status species include those plants and wildlife species that have been formally listed, are proposed as endangered or threatened, or are candidates for such listing under the federal Endangered Species Act (ESA) or California Endangered Species Act

(CESA). These acts afford protection to both listed and proposed species. In addition, California Department of Fish and Wildlife (CDFW) Species of Special Concern, which are species that face extirpation in California if current population and habitat trends continue, U.S. Fish and Wildlife Service (USFWS) Birds of Conservation Concern, and CDFW special-status invertebrates are all considered special-status species. Although CDFW Species of Special Concern generally have no special legal status, they are given special consideration under the California Environmental Quality Act (CEQA). In addition to regulations for special-status species, most birds in the United States, including non-status species, are protected by the Migratory Bird Treaty Act of 1918. Under this legislation, destroying active nests, eggs, and young is illegal. Plant species on the California Native Plant Society (CNPS) Rare and Endangered Plant Inventory (Inventory) with California Rare Plant Ranks (Rank) of 1 and 2 are also considered special-status plant species and must be considered under CEQA. Rank 3 and Rank 4 species are afforded little or no protection under CEQA.

Waters of the United States

The U.S. Army Corps of Engineers (Corps) regulates “Waters of the United States” under Section 404 of the Clean Water Act. Waters of the U.S. are defined in the Code of Federal Regulations (CFR) as waters susceptible to use in commerce, including interstate waters and wetlands, all other waters (intrastate waterbodies, including wetlands), and their tributaries (33 CFR 328.3). Potential wetland areas, according to the three criteria used to delineate wetlands as defined in the *Corps of Engineers Wetlands Delineation Manual*⁴, are identified by the presence of (1) hydrophytic vegetation, (2) hydric soils, and (3) wetland hydrology. Areas that are inundated at a sufficient depth and for a sufficient duration to exclude growth of hydrophytic vegetation are subject to Section 404 jurisdiction as “other waters” and are often characterized by an ordinary high-water mark. Other waters, for example, generally include lakes, rivers, and streams. The placement of fill material into Waters of the U.S generally requires an individual or nationwide permit from the Corps under Section 404 of the Clean Water Act.

Waters of the State

The term “Waters of the State” is defined by the Porter-Cologne Act as “any surface water or groundwater, including saline waters, within the boundaries of the state.” The Regional Water Quality Control Board (RWQCB) protects all waters in its regulatory scope and has special responsibility for wetlands, riparian areas, and headwaters. These waterbodies have high resource value, are vulnerable to filling, and are not systematically protected by other programs. RWQCB jurisdiction includes “isolated” wetlands and waters that may not be regulated by the Corps under Section 404. Waters of the State are regulated by the RWQCB under the State Water Quality Certification Program, which regulates discharges of fill and dredged material under Section 401 of the Clean Water Act and the Porter-Cologne Water Quality Control Act. Projects that require a Corps permit, or fall under other federal jurisdiction, and have the potential to impact Waters of the State, are required to comply with the terms of the Water Quality Certification determination. If a proposed project does not require a federal permit, but does involve dredge or fill activities

⁴ Environmental Laboratory. 1987. *Corps of Engineers Wetlands Delineation Manual*. Department of the Army, Waterways Experiment Station, Vicksburg, Mississippi 39180-0631.

that may result in a discharge to Waters of the State, the RWQCB has the option to regulate the dredge and fill activities under its state authority in the form of Waste Discharge Requirements.

Streams, Lakes, and Riparian Habitat

Streams and lakes, as habitat for fish and wildlife species, are subject to jurisdiction by CDFW under Sections 1600-1616 of California Fish and Game Code. Alterations to or work within or adjacent to streambeds or lakes generally require a 1602 Lake and Streambed Alteration Agreement. The term “stream”, which includes creeks and rivers, is defined in the California Code of Regulations (CCR) as “a body of water that flows at least periodically or intermittently through a bed or channel having banks and supports fish or other aquatic life [including] watercourses having a surface or subsurface flow that supports or has supported riparian vegetation” (14 CCR 1.72). In addition, the term “stream” can include ephemeral streams, dry washes, watercourses with subsurface flows, canals, aqueducts, irrigation ditches, and other means of water conveyance if they support aquatic life, riparian vegetation, or stream-dependent terrestrial wildlife.⁵ “Riparian” is defined as “on, or pertaining to, the banks of a stream.” Riparian vegetation is defined as “vegetation which occurs in and/or adjacent to a stream and is dependent on, and occurs because of, the stream itself”.⁶ Removal of riparian vegetation also requires a Section 1602 Lake and Streambed Alteration Agreement from CDFW.

- a) **Would the project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?**

Less Than Significant Impact. This project will not have a substantial adverse effect on species identified as a candidate, sensitive, or special status species. According to the Glenn County Environmental Impact Report, no sensitive species have been known to be located within the project site.

Many of the plant and wildlife species occur in specialized habitats, such as riparian, wetlands, marshes, ponds, and other aquatic habitats. The project site does not contain any riparian habitats, wetlands, or other sensitive natural community. No endangered plant species are known to exist within the project site due to previous grading disturbance.

It is concluded that the project will have a less than significant impact on species identified as a candidate, sensitive, or special status species in local or regional

⁵ California Department of Fish and Game. 1994. *A Field Guide to Lake and Streambed Alteration Agreements, Sections 1600-1607, California Fish and Game Code*. Environmental Services Division, Sacramento, CA.

⁶ California Department of Fish and Game. 1994. *A Field Guide to Lake and Streambed Alteration Agreements, Sections 1600-1607, California Fish and Game Code*. Environmental Services Division, Sacramento, CA.

plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service.

- b) **Would the project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or US Fish and Wildlife Service?**

Less Than Significant Impact. Riparian communities formerly occupied extensive stands within Glenn County, and the current riparian communities are principally located along the Sacramento River, Willow Creek, and Walker Creek. The project site is located about 0.6 miles from the Sacramento River. Although the project is located within the vicinity of the Sacramento River, according to the National Wetland Inventory Map of the U.S. Fish and Wildlife Service⁷, the project site does not contain any wetlands or riparian areas.

The project does not involve changes to the physical environment, which would alter or destroy sensitive natural communities. The current land use of the site will not change and future development would not be significant. It is concluded that there would be a less than significant impact on riparian habitat or other sensitive natural community.

- c) **Would the project have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?**

Less Than Significant Impact. Since the 1970s, the U.S. Army Corps of Engineers and the U.S. Environmental Protection Agency have used the following definition for wetlands for regulatory purposes: *“Wetlands are areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas.”*

According to the National Wetlands Inventory of the U.S. Fish and Wildlife Service, wetlands do not exist at the project site.⁸ The project will not directly remove, fill, interrupt the hydrology of, or otherwise affect federally protected wetlands. Therefore, it is concluded that there will be less than significant impact on federally protected wetlands as a result of this project.

⁷ California Department of Fish and Wildlife. *National Wetland Inventory*: <https://fwsprimary.wim.usgs.gov/wetlands/apps/wetlands-mapper/>

⁸ United States Fish and Wildlife Service. *National Wetlands Inventory*: <http://www.fws.gov/nwi>.

- d) **Would the project interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?**

Less Than Significant Impact. According to the Existing Conditions Report, the California Department of Fish and Wildlife has divided the State into 11 Deer Assessment Units (DAUs). Glenn County's is located within Unit 5 (Central Sierra) and Unit 8 (Central Coast-North). The deer herds of Unit 5 are largely migratory deer located within the west slope of the Sierra Nevada Mountain range, with smaller resident populations along the Sacramento Valley floor including Colusa County. The deer herds of Unit 8 are largely resident animals that exhibit some upslope/downslope movement with seasonal changes in weather and forage conditions. Deer within Glenn County are common within the forest communities where common habitat includes several oak species, western mountain mahogany, chamise, riparian-wetland areas, willow/birch, ceanothus, and manzanita. Deer are also common in the foothill communities where common habitat includes oak-woodland, oak-annual grass savanna, and chaparral shrub stands. Deer are less common, but can be found in the valley floor in agricultural fields, pastures, and riparian areas. Based on the project site's location in the eastern portion of the County, there will be a less than significant impact on migration corridors.

Glenn County is located within the Pacific Flyway; a migratory corridor for birds moving between their winter and summer ranges. Winter waterfowl habitat is located within and surrounding the Sacramento National Wildlife Refuge, which is located in the southern part of the County. Many of these birds are protected by the Migratory Bird Treaty Act which prohibits killing, possessing, or trading in migratory birds except in accordance with regulations prescribed by the United States Secretary of the Interior. The project would have less than significant impact on migratory waterfowl and other birds migrating through the region because the project does not include features, which would draw migratory fowl to the area.

The project activities would not alter or destroy migratory wildlife corridors. The project site does not contain native wildlife nursery habitat. The project would not significantly impede migratory wildlife corridors. The proposed project would have a less than significant impact upon the movement of any native resident or migratory wildlife species.

- e) **Would the project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?**

Less than Significant Impact. The proposed project would not create a conflict with local policies or ordinances protecting biological resources because there are none within the area of the project. Therefore, it is concluded that there will be less than significant impact.

- f) **Would the project conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?**

Less Than Significant Impact. The proposed project would not create a conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan or other approved local, regional, or state habitat conservation plan because no plans have been adopted for this specific area. Therefore, it is concluded that there will be less than significant impact.

V. CULTURAL RESOURCES

Would the project:		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a)	Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?	☐	☒	☐	☐
b)	Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	☐	☒	☐	☐
c)	Disturb any human remains, including those interred outside of formal cemeteries?	☐	☒	☐	☐

Cultural resources include prehistoric and historic period archeological sites; historical features, such as rock walls, cemeteries, water ditches and flumes, and architectural features. Cultural resources consist of any human-made site, object (i.e., artifact), or feature that defines and illuminates the past.

- a) **Would the project cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?**
- b) **Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?**
- c) **Would the project disturb any human remains, including those interred outside of formal cemeteries?**

a), b), and c) Less Than Significant Impact with Mitigations Incorporated

In compliance with CEQA Guideline §15064.5 (Determining the Significance of Impacts to Archaeological and Historical Resources), a request for a records search was submitted to the Northeast Information Center (NEIC), a member of the California Historic Resources Information System (CHRIS), to determine if any cultural places are located within the project site.

Future development would be required to comply with the required procedures of conduct following the accidental discovery of human remains as mandated in the Health and Safety Code Section 7050.5, Public Resources Code Section 5097.98 and the California Code of Regulations Section 15064.5(e) (CEQA).

Section 7050.5 of the California Health and Safety Code states that if human remains are found during construction activities, all operations are to cease until the County coroner has determined that the remains are not subject to the provisions of law concerning investigation of the circumstances in the manner provided in Section 5097.98 of the Public Resources Code. The potential exists to

possibly uncover previously unidentified resources; therefore, it is concluded that there is a less than significant impact with mitigation measure incorporated.

Mitigation Measure CR-1 (Cultural Resources):

If subsurface deposits believed to be cultural or human in origin are discovered during construction, all work must halt within a 100-foot radius of the discovery. A qualified professional archaeologist, meeting the Secretary of the Interior's Professional Qualification Standards for prehistoric and historic archaeologist, shall be retained to evaluate the significance of the find, and shall have the authority to modify the no-work radius as appropriate, using professional judgment. The following notifications shall apply, depending on the nature of the find:

- If the professional archaeologist determines that the find does not represent a cultural resource, work may resume immediately and no agency notifications are required.
- If the professional archaeologist determines that the find does represent a cultural resource from any time period or cultural affiliation, he or she shall immediately notify the lead federal agency, the lead CEQA agency, and applicable landowner.

The agencies shall consult on a finding of eligibility and implement appropriate treatment measures if the find is determined to be eligible for inclusion in the NRHP or CRHR. Work may not resume within the no-work radius until the lead agencies, through consultation as appropriate, determine that the site either:

- 3) is not eligible for the NRHP or CRHR; or
 - 4) that the treatment measures have been completed to their satisfaction.
- If the find includes human remains, or remains that are potentially human, he or she shall ensure reasonable protection measures are taken to protect the discovery from disturbance (Assembly Bill [AB] 2641). The archaeologist shall notify Glenn Butte County Coroner (as per § 7050.5 of the Health and Safety Code). The provisions of § 7050.5 of the California Health and Safety Code, § 5097.98 of the California PRC, and AB 2641 will be implemented. If the Coroner determines the remains are Native American and not the result of a crime scene, the coroner will notify the NAHC, which then will designate a Native American Most Likely Descendant (MLD) for the Project (§ 5097.98 of the PRC). The designated MLD will have 48 hours from the time access to the property is granted to make recommendations concerning treatment of the remains. If the landowner does not agree with the recommendations of the MLD, the NAHC can mediate (§ 5097.94 of the PRC). If no agreement is reached, the landowner must rebury the remains where they will not be further disturbed (§ 5097.98 of the PRC). This will also include either recording the site with the NAHC or the appropriate Information Center; using an open space or conservation zoning designation or easement; or recording a reinternment document with the county in which the property is located

(AB 2641). Work may not resume within the no-work radius until the lead agencies, through consultation as appropriate, determine that the treatment measures have been completed to their satisfaction.

Timing/Implementation: During Construction/Excavation Activities

Enforcement/Monitoring:
Glenn County Planning & Community Development Services Agency

VI. ENERGY

Would the project:		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a)	Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	☐	☐	☒	☐
b)	Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	☐	☐	☒	☐

- a) **Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?**

Less Than Significant Impact. The proposal will not result in a significant impact due to wasteful, inefficient or unnecessary consumption. The project must comply with California Green Building Standards as well as California Energy Code. Future development shall comply with California Green Building Standards as well as California Energy Code. Impacts are anticipated to be less than significant.

- b) **Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?**

Less Than Significant Impact. This proposal will not conflict with any state or local renewable energy plan or efficiency. Construction of this project would be required to comply with the updated Title 24 of the California Code of Regulations established by the Energy Commission regarding emergency conservation standards. Impacts are anticipated to be less than significant.

VII. GEOLOGY AND SOILS

Would the project:		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a)	Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i)	Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	☐	☐	☒	☐
ii)	Strong seismic ground shaking?	☐	☐	☒	☐
iii)	Seismic-related ground failure, including liquefaction?	☐	☐	☒	☐
iv)	Landslides?	☐	☐	☒	☐
b)	Result in substantial soil erosion or the loss of topsoil?	☐	☐	☒	☐
c)	Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	☐	☐	☒	☐
d)	Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?	☐	☐	☒	☐
e)	Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	☐	☐	☒	☐
f)	Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☐	☒	☐

a) **Would the project expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:**

- i) **Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.**

Less Than Significant Impact. Fault rupture occurs when an active fault displaces in two separate directions during an earthquake. The State of California passed the Alquist-Priolo Special Studies Zone Act in 1972 to address seismic hazards associated with faults and to establish criteria for developments for areas with identified seismic hazard zones. Sudden surface rupture from severe earthquakes can cause extensive property damage, but even the slow movement known as “fault creep” can cause displacement that results in offset or disfiguring of curbs, streets, and buildings.

According to The California of Conservation Earthquake Zones of Required Investigation map, the project site is not located in a fault zone, and fault rupture is not anticipated.⁹ Given this data, seismic related activities such as rupture of known earthquake faults would be less than significant.

- ii) **Strong seismic ground shaking?**

Less Than Significant Impact. According to the Glenn County Existing Conditions Report, Glenn County is in a relatively inactive seismic area, and no significant earthquakes have been identified. There are no Alquist-Priolo Special Studies Zones within the County. Glenn County is in a Seismic Design Category “D” according to the California Building Code (CBC). This category requires that special precautions be taken, in accordance with the CBC, during construction to avoid or minimize earthquake damage. All construction in the County is required to meet the standard set by the CBC for this area.

The California Building Code (CBC) establishes standards for structures to survive earthquakes of an intensity of VII with little or no damage. Seismic risk categories are based, in part, on the distribution of earthquakes and the Modified Mercalli Intensity Scale rating of known earthquakes.

According to the Glenn County Existing Conditions Report, Glenn County is considered to be within an area that is predicted to have a 10 percent

⁹ California Department of Conservation. Earthquake Zones of Required Investigation. <https://maps.conservation.ca.gov/cgs/EQZApp/app/>

probability that a seismic event would produce horizontal ground shaking of 10 to 20 percent within a 50-year period. This level of ground shaking correlates to a Modified Mercalli intensity of V to VII, light to strong.

The seismic history of Glenn County shows the area to be generally stable. Glenn County's stability can be correlated with its location away from tectonic plate boundary convergence/divergence and its location away from major active faults with high slip rates. Adherence to the California Building Code will prevent potential impacts on future construction. Given this data, seismic related activities such as strong seismic ground shaking would have a less than significant impact on people and structures in the area of the project.

iii) Seismic-related ground failure, including liquefaction?

Less Than Significant Impact. Liquefaction is defined as the transformation of a granular material from a solid state into a liquefied state as a consequence of increased pore water pressure. Ground shaking resulting from an earthquake is capable of providing the mechanism for liquefaction.

Due to the lack of seismic activity in Glenn County, it is unlikely that liquefaction or other ground failure of this type would occur. Liquefaction generally occurs in low-lying areas with saturated soils and its effects are commonly observed near water bodies. Soils with a loose structure, such as sand, are more susceptible to liquefaction when saturated.

According to The California Department of Conservation Earthquake Zones of Required Investigation map, the project site is not located in a Liquefaction Zone. Further, the California Geologic Survey does not list Glenn County as an area where seismic activity affects soil stability. It is concluded that there is less than significant impact.

Also see a) i-ii) above.

iv) Landslides?

Less Than Significant. Landslides include phenomena that involve the downslope displacement and movement of material, either triggered by static (gravity) or dynamic (earthquake) forces. Areas susceptible to landslides are typically characterized by steep, unstable slopes in weak soil or bedrock units.

According to The California Department of Conservation Earthquake Zones of Required Investigation map, the project site is not in a Landslide Zone. The topography of the site and surrounding area is relatively flat; therefore,

it is not susceptible to slope failures and landslides. Therefore, it is concluded that there will be less than significant impact.

b) Would the project result in substantial soil erosion or the loss of topsoil?

Less Than Significant Impact. Soil erosion occurs through either water or wind action. Erosion by water includes sheet, rill, ephemeral gully, classical gully, and streambank erosion. Severe erosion typically occurs on moderate slopes of sand and steep slopes of clay subjected to concentrated water runoff. These topographic conditions do not exist at the site.

Disruption of soils on the site is not expected to create significant soil erosion. The project would therefore not result in substantial soil erosion or the loss of topsoil. It is concluded that there will be a less than significant impact.

c) Would the project be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?

Less Than Significant Impact. This proposal will have a less than significant impact on soil involving unstable soils that may result in onsite or offsite landslides, lateral spreading, subsidence, liquefaction, or collapse. Soils and the geology of the project site are generally stable because of the area's seismic stability and low relief (see Section VI. a) i) above).

On or Off-Site Landslide

Landslide potential in the County generally correlates with relief. According to The California Department of Conservation Earthquake Zones of Required Investigation map, the project site is not in a Landslide Zone. Landslides are not a threat because the site is not located in an area with a great amount of relief.

Lateral Spreading

There is a low probability for lateral spreading to occur because of the area's seismic stability. All future construction is required to meet the standards set by the California Building Code, which will reduce impacts from lateral spreading.

Subsidence

Land subsidence is a gradual settling or sudden sinking of the Earth's surface owing to subsurface movement of earth materials. The principal causes of subsidence are aquifer-system compaction, drainage of organic soils, underground mining, hydro compaction, natural compaction, sinkholes, and thawing permafrost.¹⁰

¹⁰ U.S. Geological Survey. December 2000. *Land Subsidence in the United States*, USGS Fact Sheet -165-00.
<http://water.usgs.gov/ogw/pubs/fs00165/>.

Subsidence has been shown to occur within Glenn County and widespread affecting the valley floor. All future construction is required to meet the standards set by the California Building Code, which will reduce impacts from subsidence.

Liquefaction/Collapse

Liquefaction occurs when loosely packed sandy or silty materials saturated with water are shaken hard enough to lose strength and stiffness. Liquefied soils behave like a liquid and are responsible for damage during an earthquake, causing pipes to leak, roads and airport runways to buckle, and building foundations to be damaged. There is a low probability for liquefaction and ground collapse to occur because of the area's seismic stability. Future construction in compliance with the California Building Code will reduce impacts from liquefaction and collapse.

Based on the information provided above, it is concluded that there will be a less than significant impact.

- d) **Would the project be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?**

Less Than Significant Impact. Expansive soils are those that shrink or swell with the change in moisture content. The volume of change is influenced by the quantity of moisture, by the kind and amount of clay in the soil, and by the original porosity of the soil.

According Glenn County Existing Conditions Report, most of Glenn County has expansive soils.¹¹ Soils containing a high clay content often exhibit a relatively high potential to expand when saturated, and contract when dried out. This shrink/swell movement can adversely affect building foundations, often causing them to crack or shift, with resulting damage to the buildings they support.

There would be no substantial risks to life or property from this project because future development will require compliance with the California Building Code (CBC) to avoid potential unstable earth conditions or changes in geologic substructures. As part of the building permit process for future structures on the project site, the Glenn County Building Division will ensure that the foundations of all new structures are adequately designed for the shrink/swell characteristics of expansive soils and no significant impacts to life or property are expected. An engineer will be required to design the footings for all future structures to address soil conditions. California Building Code compliance reduces potential impacts from expansive soils to less than significant. Therefore, it is concluded that there is a less than significant impact.

¹¹ Glenn County. *Glenn County Existing Conditions Report*. 2020.
<https://static1.squarespace.com/static/5c8a73469b7d1510bee16785/t/5e556b56c253f84cdc287783/1582656403698/GlennCounty-ECR-Final-Feb2020.pdf>

In coordination with the items discussed in this section of the initial study the following Conditions of Approval will also be required:

Condition of Approval (Building Division):

All construction shall require a building permit issued by the Glenn County Building Division.

Condition of Approval (Building Division):

All setbacks to the property lines for existing and proposed structures shall be maintained according to the California Building Code.

Condition of Approval (Building Division):

All existing structures shall comply with the original permitted use, any change of use shall be approved through the permitting process to assure code compliance.

- e) **Would the project have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?**

Less Than Significant Impact. Compliance with Glenn County Environmental Health standards would ensure that any septic systems are properly operating, and any expansion of the system is designed with respect to on-site soil capabilities for the safe treatment and disposal of wastewater and the protection of groundwater quality. Furthermore, the following conditions of approval were made from the comments received from the Glenn County Environmental Health Department.

Condition of Approval (EHD):

The applicant/operator shall be approved, regulated and have a solid waste permit thru the Environmental Health Department (EHD) with concurrence/oversight by CalRecycle.

Condition of Approval (EHD):

The existing onsite wastewater treatment systems (OWTS) shall be expanded and/or new OWTS shall be installed to accommodate the increase in employees. All OWTS shall be permitted and approved by the Environmental Health Department (EHD).

Condition of Approval (EHD):

Restroom facilities shall be provided to accommodate workers during construction of the project and shall be approved by the EHD.

Condition of Approval (EHD):

Water wells used to supply potable water shall meet current construction requirements, be permitted and regulated by the EHD or the State Water Resource Control Board (SWRCB), Division of Drinking Water.

Condition of Approval (EHD):

All garbage, rubbish and refuse created, produced or accumulated during construction, at the proposed facility and/or on the property shall be removed by a permitted waste hauler or taken to a permitted facility at least once each week. All garbage shall be kept in a container with a close-fitting cover, without leakage or escape of odors.

f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

Less Than Significant Impact. The project site contains no known paleontological resources or unique geologic sites. It is concluded there will be a less than significant impact. Also see the Cultural and Tribal Cultural Resources sections.

VIII. GREENHOUSE GAS EMISSIONS

Would the project:		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a)	Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☐	☐	☒	☐
b)	Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☐	☐	☒	☐

Legislative/Regulatory

The Governor of California signed Executive Order S-3-05 (EO), in June 2005, which established statewide reduction targets for greenhouse gases. The EO states that emissions shall be reduced to 2000 levels by 2010, to 1990 levels by 2020, and by 2050 reduced to 80 percent of the 1990 levels. Assembly Bill 32, the California Global Warming Solutions Act, 2006 (AB 32), was signed into law in September 2006. AB 32 finds that global warming poses a serious threat to the economic wellbeing, public health, natural resources, and the California environment. It establishes a state goal of reducing greenhouse gas emissions to 1990 levels by the year 2020, which would be a 25 percent reduction from forecasted emission levels.

Senate Bill 97 (SB 97) was approved by the Governor of California in August 2007. SB 97 requires the Governor's Office of Planning and Research (OPR) to prepare, develop, and transmit guidelines to the Resources Agency for the feasible mitigation of greenhouse gas emissions or the effects of greenhouse gas emissions, as required by CEQA. In April 2009, OPR submitted to the Secretary for Natural Resources its proposed amendments to the CEQA Guidelines for greenhouse gas emissions, as required by Senate Bill 97 (Chapter 185, 2007). The Natural Resources Agency (Resources Agency) conducted formal rulemaking prior to certifying and adopting the amendments, as required by Senate Bill 97. The Resources Agency adopted the proposed amendments, and transmitted the amendments to the Office of Administrative Law on December 31, 2009. The Office of Administrative Law reviewed the Adopted Amendments and the Natural Resources Agency's rulemaking file. The Adopted Amendments were filed with the Secretary of State, and became effective March 18, 2010.

These CEQA Guidelines amendments provide guidance to public agencies regarding the analysis and mitigation of the effects of greenhouse gas emissions in draft CEQA documents. The greenhouse gas guidelines fit within the existing CEQA framework by amending existing Guidelines to reference climate change.

Greenhouse gases (GHGs), as defined by the Health and Safety code, include but are not limited to water vapor, carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), ozone (O₃), and chlorofluorocarbons (CFCs) (Health and Safety Code §38500 et seq.). These gases all act as effective global insulators, reflecting back to earth visible light and infrared radiation.

GHGs are present in the atmosphere naturally, released by natural sources, or formed from secondary reactions taking place in the atmosphere. In the last 200 years, substantial quantities of GHGs have been released into the atmosphere. These extra emissions are increasing GHG concentrations in the atmosphere, enhancing the natural greenhouse effect, which is believed to be causing global warming. While manmade GHGs include carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), some (like CFCs) are completely new to the atmosphere.

Natural sources of carbon dioxide (CO₂) include respiration (breathing) of animals and plants and evaporation from the oceans. Together, these natural sources release about 150 billion tons of CO₂ each year, far outweighing the seven billion tons of manmade emissions from fossil fuel burning, waste incineration, deforestation, and cement manufacture. Nevertheless, natural removal processes such as photosynthesis by land and ocean-dwelling plant species cannot keep pace with this extra input of manmade CO₂, and consequently the gas is building up in the atmosphere.

Methane (CH₄) is produced when organic matter decomposes in environments lacking sufficient oxygen. Natural sources include wetlands, termites, and oceans. Manmade sources include the mining and burning of fossil fuels, digestive processes in ruminant animals such as cattle, rice paddies, and the burying of waste in landfills. Total annual emissions of CH₄ are about 500 million tons, with manmade emissions accounting for the majority. The major removal process of atmospheric methane – chemical breakdown in the atmosphere – cannot keep pace with source emissions, and CH₄ concentrations in the atmosphere are increasing.¹²

a) Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

Less Than Significant Impact. A project cannot generate enough GHG emissions to influence global climate change on its own. A project participates in potential climate change by its incremental contribution (positive or negative) of GHG emissions that, when combined with the cumulative increase of all other natural and anthropogenic sources of GHGs, impact global climate change. Therefore, global climate change is a type of cumulative impact and a project's participation in this cumulative impact is through its incremental contribution of GHG emissions.

¹² State of California. September 2006. *Assembly Bill 32 California Global Warming Solutions Act of 2006*, http://www.leginfo.ca.gov/pub/05-06/bill/asm/ab_0001-0050/ab_32_bill_20060927_chaptered.pdf

Energy efficiency standards have been updated, and new technology has allowed construction to be more energy efficient. Future construction would be required to comply with the updated Title 24 of the California Code of Regulations established by the Energy Commission regarding emergency conservation standards.

This part of the County is used primarily for orchards and agricultural processing. There is not anticipated to be a significant increase in Vehicle Miles Traveled (VMT) as a result of this proposal. Based on the analysis provided above, it is concluded that the proposed project would have a less than significant impact on emissions of GHG's and climate change.

b) Would the project conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Less Than Significant Impact. See discussion in section VII a) above. AB 32 is the State of California's primary GHG emissions regulation. The project would not conflict with the state's ability to achieve the reduction targets under AB 32. Impacts are anticipated to be less than significant.

IX. HAZARDS AND HAZARDOUS MATERIALS

Would the project:		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a)	Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☐	☐	☒	☐
b)	Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☐	☐	☒	☐
c)	Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☐	☒	☐
d)	Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☐	☐	☐	☒
e)	For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?	☐	☐	☐	☒
f)	Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☐	☒
g)	Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?	☐	☐	☒	☐

- a) **Would the project create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?**

Less Than Significant Impact. The California Health and Safety Code defines a Hazardous Material as “any material that because of its quantity, concentration, or physical or chemical characteristics poses a significant present or potential hazard

to human health and safety or the environment if released into the workplace or environment". Thus, hazardous material is a broad term for all substances that may be hazardous and includes hazardous substances and hazardous wastes. Substances that are flammable, corrosive, reactive oxidizers, radioactive, combustible, or toxic are considered hazardous. Examples include: oil, fuels, paints, thinners, cleaning solvents, compressed gasses (acetylene, carbon dioxide, oxygen, nitrogen, etc.), radioactive materials, and pesticides.

The Glenn County Air Pollution Control District (GCAPCD) is the Administering Agency and the Certified Unified Program Agency (CUPA) for Glenn County with responsibility for regulating hazardous materials handlers, hazardous waste generators, underground storage tank facilities, above ground storage tanks, and stationary sources handling regulated substances.

The project site is subject to Glenn County Code §15.56.070 for fire and explosion hazards. This section states: *All uses involving the use or storage of combustible, explosive, caustic or otherwise hazardous materials shall comply with all applicable local, state and federal safety standards and shall be provided with adequate safety devices against the hazard of fire and explosion, and adequate fire-fighting and fire suppression equipment.*

The transport, use, and storage of hazardous materials during construction and during operations or transport would be subject to, and therefore conducted in accordance with, all applicable state and federal laws, such as the Hazardous Materials Transportation Act, Resource Conservation and Recovery Act, the California Hazardous Material Management Act, and the California Code of Regulations, Title 8 and Title 22. Additionally, a facility that plans to store hazardous material such as diesel or batteries in reportable quantities, must submit a business plan in CERS (California Environmental Reporting System).

Due to the existing county requirements the project has a less than significant impact related to the use of hazardous materials.

- b) Would the project create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?**

Less Than Significant Impact. Uses involving the storage and handling of hazardous materials are monitored by the Glenn County Air Pollution Control District (GCAPCD), which is the Certified Unified Program Agency (CUPA) for Glenn County.

According to the GCAPCD, businesses that handle hazardous materials are required by law to provide an immediate verbal report of any release or threatened release of hazardous materials. Local, state, and federal regulations for use and handling of hazardous materials will reduce impacts to the public and the

environment. It is concluded that the project would have a less than significant impact.

- c) **Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?**

Less Than Significant Impact. The proposed project would not emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school. There are no schools located within one-quarter mile of the project sites. Therefore, it is concluded that there will be less than significant impact as a result of this project.

- d) **Would the project be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?**

No Impact. The project is not located on a site which is included on a list of hazardous materials sites compiled pursuant to California Government Code §65962.5. According to the database of cleanup sites provided through the California Department of Toxic Substance Control (DTSC), there are no cleanup sites within the vicinity of the project.¹³ Therefore, it is concluded that there will be no impact.

- e) **For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?**

No Impact. There are no public or private airports within the vicinity of the project site. The project would not result in a safety hazard for people residing or working in the project area because it is located outside of the overflight zone. Therefore, it is concluded that there is no impact.

- f) **Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?**

No Impact. The project would not interfere with an adopted emergency response or evacuation plan. All roads in the area would remain open. The project site is located on private property with adequate access to roads. The project will not interfere with adjacent roadways that may be used for emergency response or evacuation. The project will not prohibit subsequent plans from being established

¹³ California Department of Toxic Substance Control. *Envirostor: Cleanup Sites and Hazardous Waste Permitted Facilities*. <http://www.envirostor.dtsc.ca.gov/public/>.

or prevent the goals and objectives of existing plans from being carried out. Therefore, it is concluded that there is no impact.

g) Would the project expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?

Less than Significant. The proposed project would not expose people or structures to a significant risk of loss, injury or death involving wildland fires. The project site is not within Cal Fire's State Responsibility Area; the site is within Glenn-Codora Fire Protection District. According to Figure 4.3-1 of the Glenn County Existing Conditions Report, the project site is not within fire hazard severity zone. The most severe wildland fires occur in the western portion of the County within the Mendocino National Forest. It is concluded that there will be a less than significant impact on the project from wildland fires.

X. HYDROLOGY AND WATER QUALITY

Would the project:		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a)	Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	☐	☐	☐	☒
b)	Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	☐	☐	☐	☒
c)	Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:				
i)	result in a substantial erosion or siltation on- or off-site	☐	☒	☐	☐
ii)	substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;	☐	☒	☐	☐
iii)	create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	☐	☒	☐	☐
iv)	impede or redirect flood flows?	☐	☐	☒	☐
d)	In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	☐	☐	☐	☒
e)	Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	☐	☐	☒	☐

a) **Would the project violate any water quality standards or waste discharge requirements?**

No Impact. The proposed project will not violate water quality standards or waste discharge requirements set forth by the Central Valley Regional Water Quality Control Board. The proposed project is not in an area of integrated sewer systems, and onsite septic systems require environmental health oversight and approval; therefore, it is concluded that there will be no impact as a result of this project.

b) **Would the project substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?**

No Impact. The proposed project would not deplete groundwater supplies or interfere with groundwater recharge. No increases in groundwater use are planned. It is concluded that there will be no impact as a result of this project.

c) **Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:**

- i) **result in a substantial erosion or siltation on- or off-site;**
- ii) **substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;**
- iii) **create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or**

Less Than Significant With Mitigation. There will not be a significant increase in surface runoff, which would result in erosion or siltation on- or off-site. No streams or rivers flow through the project sites. Future construction is required to conform to the Glenn County Code, which includes Glenn County Code Section 15.70 (Leveling of Land-Drainage Changes). As is the case under current land use designations and zoning, development would be required to adhere to standard practices designed to prevent erosion and siltation, such as slope protection and dust control. Any future drainage changes shall meet the requirements of Chapter 15.65 of the County Code. The project will not generate substantial additional sources of polluted runoff. It is concluded that there will be a less than significant impact with the following mitigation measure incorporated.

Mitigation Measure H & WQ-1 (Hydrology & Water Quality):

Prior to permit issuance, the Applicant shall provide Glenn County Planning Division a copy of a Construction General Permit (or written exemption thereof) from Central Valley Regional Water Quality Control Board.

Timing/Implementation:

Prior to site disturbance (including moving dirt, leveling and grading)

Enforcement/Monitoring:

Glenn County Planning & Community Development Services Agency &
Central Valley Regional Water Quality Control Board

iv) impede or redirect flood flows?

Less Than Significant Impact. This project will not impede or redirect flood flows. The project site is in Flood Zone “A” according to Flood Insurance Rate Map (FIRM) No. 06021C0165D, dated August 8, 2010 issued by the Federal Emergency Management Agency (FEMA). Flood Zone “A” (unshaded) consists of areas subject to inundation by the 1-percent-annual-chance flood event generally determined using approximate methodologies. Because detailed hydraulic analyses have not been performed, no Base Flood Elevations (BFEs) or flood depths are shown. Since the project site is within Flood Zone “A” as designated by FEMA, a Flood Certificate will be required before issuance of a Building Permit in accordance to Glenn County Code 15.54. The project will not have a significant impact in impeding or redirecting flood flows.

d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?

No Impact. A seiche is a surface wave created when a body of water is shaken, usually by earthquake activity. Seiches are potentially hazardous when the wave action created in lakes or swimming pools is strong enough to threaten life and property. Tsunamis are large ocean waves generated by major seismic events and mudflows are landslide events in which a mass of saturated soil flows downhill as a very thick liquid. There would be no impact on the project site from inundation by seiche or tsunami because the project area is not located near large bodies of water that would pose a seiche or tsunami hazard.

e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?

Less than Significant Impact. The proposal will not conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan. The proposed project will not substantially degrade water quality. No source of pollution affecting water quality would be generated with approval of this project. Construction activities resulting in a land disturbance of greater than one acre must be permitted by Central Valley Regional Water Quality Control Board. The proposed project would not substantially decrease groundwater supplies or interfere with groundwater recharge as no significant increases in groundwater use are planned.

Compliance with Glenn County Environmental Health standards, would ensure the safe treatment and disposal of wastewater and the protection of groundwater quality. It is concluded that there will be a less than significant impact.

XI. LAND USE AND PLANNING

Would the project:		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a)	Physically divide an established community?	☐	☐	☒	☐
b)	Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☒	☐

a) Would the project physically divide an established community?

Less than Significant. The proposed project is not of the scale or nature that could physically divide an established community. The project would not block a public street, trail, or other access route or result in a physical barrier that would divide a community. It is concluded that there will be less than significant impact as a result of this project.

b) Would the project cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?

Less than Significant. The General Plan land use designation is “Intensive Agriculture” and the zoning designation is “FS-80” (Farmland Security (72-acre minimum parcel size)). The proposed project would meet the density requirements for this designation. This project is consistent with and will not conflict with the “FS-80” zoning designation (Glenn County Code Chapter 15.47). The project is consistent with the General Plan land use goals and policies and no significant land use impacts will occur. It is concluded that there will be less than significant impact on land use. In addition, the following Condition of Approval will apply:

Condition of Approval (Planning Division):

Prior to receiving a Building Permit (Zone Clearance) and operations, the Applicant/Landowner shall submit a copy of a recorded (by Glenn County Recorder’s office) Agriculture Statement of Acknowledgement.

XII. MINERAL RESOURCES

Would the project:		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a)	Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	☐	☐	☒	☐
b)	Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	☐	☐	☒	☐

The purpose of the Mineral Resources section is to identify and evaluate the potential for the project to adversely affect the availability of known mineral resources. The mineral resources of concern include metals, industrial minerals (e.g., aggregate, sand and gravel), oil and gas, and geothermal resources that would be of value to the region and residents of the State of California. Notable mineral resources in Glenn County include natural gas and construction grade aggregate material. In addition, published reports indicate past attempts to exploit deposits of chromite, molybdenite and copper. Primary areas for gravel extraction occur along Stony Creek and the Sacramento River, although there are other pockets of gravel scattered throughout the County.

Several gas fields contribute to a significant quantity of natural gas production in Glenn County. Of these, the Malton-Black Butte field located on the border with Tehama County in eastern Glenn County, and the Willows-Beehive Bend field located in southeastern Glenn County account for nearly 80 percent of total gas production in the County. No oil or geothermal resources have been discovered in the County. Mining in Glenn County was primarily related to the extraction of strategic minerals during World Wars I and II. According to the Glenn County Existing Conditions Report, the extraction of chrome and manganese essentially ended in the late 1940s with the loss of government demand and subsidies.

- a) **Would the project result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?**
- b) **Would the project result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?**

Less Than Significant Impact. According to the Mined Land Classification Map for Concrete-Grade Aggregate Resources Central Glenn County, produced by the California Department of Conservation no mineral rights are located on the project

site. ¹⁴ According to the USDA Natural Resources Conservation Service (NRCS), Web Soil Survey, the 96-acre parcel contains 100% of Zamora Silty clay loam, 0 to 3 percent slopes.

Mineral extraction activities are not present at the project site and no such activities have occurred on the project site in the past. There is no other evidence that any of the project areas have mineral resources that may add value to the region and residents of the state, or are important mineral resource recovery sites. Therefore, no significant impacts to mineral resources are anticipated.

¹⁴ California Department of Conservation. 1997. *Mined Land Classification Map for Central Glenn County*. <https://maps.conservation.ca.gov/cgs/informationwarehouse/index.html?map=mlc>

XIII. NOISE

Would the project result in:		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a)	Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☐	☒	☐
b)	Generation of excessive ground borne vibration or ground borne noise levels?	☐	☐	☒	☐
c)	For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☒	☐

- a) **Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?**

Less Than Significant Impact. The Glenn County General Plan Noise Element provides a basis for local policies to control and abate environmental noise, and to protect the citizens of Glenn County from excessive noise exposure. The County also enforces its Noise Ordinance (Chapter 15.56.100) in the County Code. This ordinance contains noise level standards for residential and non-residential land uses.

There may be periodic increases in noise during future construction activities. Construction-related noises between the hours of 7 A.M. and 7 P.M. are exempt from the local noise standards per Glenn County Code §15.56.100(F)(5). Construction-related noise levels at other times are regulated by the above-referenced County Code section.

Section N-0 of the Glenn County General Plan supplies noise/land use compatibility guidelines and noise level standards. Noise impacts associated with on-site activities and traffic is not anticipated to exceed noise standards, therefore impacts are considered less than significant.

b) Would the project result in exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?

Less Than Significant Impact. The proposed project would not generate excessive ground-borne vibrations. Vibrations are regulated by Glenn County Code §15.56.130, which states that no use shall generate ground vibrations which are perceptible without instruments beyond the lot line. Ground vibration caused by motor vehicles, aircraft, temporary construction work or agricultural equipment are exempt from the vibration performance standard as stated under Glenn County Code §15.56.130. Construction work in the future would not cause significant ground-borne vibration. Since the duration of impact would be brief and would occur during less sensitive daytime hours (i.e., between 7:00 a.m. and 7:00 p.m.), the impact from construction-related ground-borne vibration and ground-borne noise is considered less than significant.

c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

Less than Significant. There are no private airports or private airstrips located within the vicinity of the project site. According to topographic maps and aerial photos, the project site is not located within the vicinity of a private airstrip. Additionally, the project site is outside of the noise contour based on the Community Noise Equivalent Level (CNEL) as defined in the Willows Glenn County Airport Master Plan. It is concluded that there will be a less than significant impact as a result of this project.

XIV. POPULATION AND HOUSING

Would the project:		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a)	Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☒	☐
b)	Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒

Population impacts are often associated with substantial increases in population from a project. Housing impacts may result directly from the construction of new housing units or indirectly from changes in housing demand associated with new non-residential development, such as office, manufacturing, and industrial uses that increase employment in an area.

- a) **Would the project induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?**

Less Than Significant Impact. The proposed project would not induce substantial population growth directly or indirectly. In accordance with Existing Conditions Report (Intensive Agriculture), the proposed project will not violate the population density standard of 100 persons per square mile (640 acres). New businesses and/or the extension of public roads that may lead to significant population growth are considered less than significant. The proposed project would not induce substantial population growth directly or indirectly. Therefore, it is concluded that there will be a less than significant impact on population growth.

- b) **Would the project displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?**

No Impact. The proposal would not displace existing housing or people within the area of the project. Construction of replacement housing would not be necessary with this proposal. Therefore, it is concluded that there will be no impact.

XV. PUBLIC SERVICES

		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a)	Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				
i)	Fire protection?	☐	☐	☒	☐
ii)	Police protection?	☐	☐	☒	☐
iii)	Schools?	☐	☐	☐	☒
iv)	Parks?	☐	☐	☐	☒
v)	Other public facilities?	☐	☐	☒	☐

a) **Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:**

i) **Fire protection?**

Less Than Significant Impact. This topic is also discussed in section VIII above.

The project site is serviced by the Glenn-Codora Fire Protection District, which is located approximately one mile south of the facility. State and County roads with provide adequate transportation routes to reach the project site in the event of a fire. Response time is not anticipated to be affected by the proposed project. Compliance with state laws will reduce impacts from fire. Therefore, it is concluded that the impact from the proposal is less than significant.

ii) **Police protection?**

Less Than Significant Impact. Law enforcement for unincorporated portions of Glenn County, including the project site, is provided by the Glenn County Sheriff's Department. There is a sheriff's office located in the City of Willows and substations located in the City of Orland. The California Highway Patrol is responsible for patrolling interstate and state highways. Transportation routes to the project site are adequate for law enforcement to reach the area in the event of an emergency. Response time would not be affected by the proposed project. This project is not anticipated to require the staffing of additional peace officers or the purchase of additional equipment to support law enforcement activities. The project will not generate substantial additional population in the area and therefore would not require additional police surveillance over existing conditions. Based on this information, it is concluded that the project would have a less than significant impact on police protection.

iii) **Schools?**

No Impact. The construction permitted with the approval of this project would not result in an increase in demand on the public school system. It is concluded that there is no impact from the project.

iv) **Parks?**

No Impact. The County provides maintenance and upkeep of the existing parks within the unincorporated area. The County has no park facilities within the area of the project. The proposed project would have no impact on the County's ability to maintain its parks and no new substantial demands on the current facilities would be generated by this proposal.

v) **Other public facilities?**

Less Than Significant Impact. The project will not generate substantial additional population to the area and therefore will not have a need for public facilities such as libraries, postal service, hospitals, etc. Public agencies have reviewed this proposal for impacts to public services and facilities and a potentially significant impact has not been identified for this proposed project. Therefore, it is concluded that there is a less than significant impact to other public facilities.

XVI. RECREATION

		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a)	Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☐	☒
b)	Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☐	☐	☒

- a) **Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?**

No Impact. The project will have no impact on recreation. No new demand will be generated for the use of the existing area parks. The project does not include recreation facilities or require the construction or expansion of recreational facilities that might have an adverse physical effect on the environment.

- b) **Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?**

No Impact. The project does not include recreational facilities or require the construction or expansion of recreational facilities that might have an adverse physical effect on the environment.

XVII. TRANSPORTATION

Would the project:		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a)	Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?	☐	☐	☒	☐
b)	Conflict or be inconsistent with CEQA Guidelines § 15064.3, subdivision (b)?	☐	☐	☒	☐
c)	Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☐	☒	☐
d)	Result in inadequate emergency access?	☐	☐	☒	☐

Glenn County Roads Overview:

The major north-south road is Interstate 5 (I-5), which provides major connection between Glenn County and major cities to the north, such as Red Bluff and Redding, and to the south to cities such as Sacramento. East of I-5, Routes 32 and 162 are the major east-west roads. Route 32 provides a connection through Orland to Chico, the closest of the major urban areas of California to Glenn County residents. To the south Highway 162 provides a similar connection to Oroville. The next major east-west road to the south is Highway 20, which provides a connection to the Yuba City- Marysville area. Highway 45 is the major north-south road east of I-5. It serves adjoining land uses as well as providing a connection between State Routes 32 and 162.

State Route 162 is the state route west of the City of Willows and I-5. The route originally began at Highway 101 in Mendocino County and continued into Glenn County, but a 70-mile break currently exists (34 miles of which is in Mendocino County and 36 miles in Glenn County). The intermediate mileage is a seasonal road. The jurisdictions responsible for public roads within Glenn County include the County of Glenn, incorporated cities (Orland, Willows), the State of California, and the U.S. Forest Service.

a) Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?

Less Than Significant Impact. The project will not conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system.

Access to the project site is provided by State Highway 45 as well as County Road 54. Highway 45 has limited volumes of pedestrians and bicyclists due to the sparse local population and distance from primary residential areas of the County. There is no housing or other population inducing developments proposed with this project. The construction and operation phases of the project may create increases in existing traffic.

The project will not conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account the existing facility, and all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit. It is concluded that there will be less than significant impact.

b) Conflict or be inconsistent with CEQA Guidelines § 15064.3, subdivision (b)

§ 15064.3 Determining the Significance of Transportation Impacts

(b) Criteria for Analyzing Transportation Impacts

(1) Land Use Projects. *“Vehicle’s miles traveled exceeding an applicable threshold of significance may indicate a significant impact. Generally, projects within one-half mile of either an existing major transportation stop or a stop along an existing high quality transit corridor should be presumed to cause a less than significant impact. Projects that decrease vehicle miles traveled in the project area compared to existing conditions should be presumed to have a less than significant impact”.*

Less Than Significant Impact. Section 15064.3 of the CEQA Guidelines states that “vehicle miles traveled” (VMT) is the preferred method for evaluating transportation impacts. However, according to Headway Transportations study “[t]he Technical Advisory on Evaluating Transportation Impacts in CEQA, December 2018, published by the Governor’s Office of Planning and Research (OPR) provides screening thresholds for land use projects, including a “Screening Threshold for Small Projects” which states:

“Many local agencies have developed screening thresholds to indicate when detailed analysis is needed. Absent substantial evidence indicating that a project would generate a potentially significant level of VMT, or inconsistency with a Sustainable Community Strategy (SCS) or general plan, projects that generate or attract fewer than 110 trips per day generally may be assumed to cause a less-than-significant transportation impact.”

Based on this information, and the information provided by the overall VMT is expected to not significantly, therefore, it is concluded that there will be less than significant impact.

- c) **Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?**

Less Than Significant Impact. The proposed project would not substantially increase traffic hazards due to geometric design feature or incompatible uses because the existing facility has been in operation for over 10 years. The project does not include potentially hazardous design features such as sharp curves or dangerous intersections. State Highway 45, along with County Road 54, will provide adequate ingress and egress to the proposed site. It is concluded that there will be a less than significant impact.

- d) **Would the project result in inadequate emergency access?**

Less Than Significant Impact. The project would not result in inadequate emergency access because State and County roads provide adequate ingress and egress to the site. Emergency services agencies have been contacted and had no objections to the proposal. It is concluded that there will be a less than significant impact on emergency access.

In addition to the above Initial Study discussion, and based on comments received from California Department of Transportation (Caltrans), the following Conditions of Approval are made a part of the project:

Condition of Approval (Caltrans):

The applicant/operator shall be responsible to complete all Caltrans requirements and improvements; including a Traffic Impact Study (TIS) that includes information regarding anticipated project trip generations, trip distributions, and anticipated queuing using the Institute of Transportation Engineering (ITE) Trip Generation Manual for the analysis.

Condition of Approval (Caltrans):

The applicant/operator shall provide Caltrans any requested information regarding driveway access to and from both sites. This information shall be in site plans showing proper dimension of all driveways as outlined in the California Highway Design Manual (HDM) with Auto Turn CAD templates, using the correct design vehicle, showing the design vehicle entering and exiting the site plans.

Condition of Approval (Caltrans):

The applicant/operator shall provide Caltrans mapping for all connections to the State Highway System (SHS) showing the State right of way (ROW) delineated with bearings, distances along with State Route (SR) boundary determination.

Condition of Approval (Caltrans):

The applicant/operator shall ensure with Caltrans that the design vehicle is appropriate, based off the Truck Networks on California State Highways Map for District 3 including information about the design vehicle(s) used at the sites.

Condition of Approval (Caltrans):

The applicant/operator shall be responsible for an encroachment permit issued by Caltrans for any project or work, including access modification and drainage work, that takes place along or within the State's right of way (ROW).

XVIII. TRIBAL CULTURAL RESOURCES

Would the project:		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a)	Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
i)	Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or	☐	☒	☐	☐
ii)	A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	☐	☒	☐	☐

- a) **Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:**
- i) **Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or**
 - ii) **A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.**

i) and ii) Less than significant with Mitigations Incorporated.

In compliance with CEQA Guideline §15064.5 (Determining the Significance of Impacts to Archaeological and Historical Resources), a request for a records search was submitted to local native tribes and the Northeast Information Center (NEIC), a member of the California Historic Resources Information System (CHRIS), to determine if any cultural places are located within the project site.

If any site excavation occurs in the future and any artifacts uncovered, that project would be subject to laws governing the accidental discovery. It is concluded the proposal will have a less than significant impact with mitigations incorporated.

Discovery of Cultural Resources

In accordance with State and Federal Laws if any potentially prehistoric, protohistoric, and/or historic cultural resources are accidentally encountered during future excavation of the site, all work shall cease in the area of the find pending an examination of the site and materials by a qualified archaeologist.

Mitigation Measure TCR -1 (Tribal Cultural Recourses):

In the event that any prehistoric or historic subsurface cultural (including Tribal) resources are discovered during ground disturbing activities, all work within 100 feet of the resources shall be halted and the applicant/operator shall consult with the County and a qualified archaeologist (as approved by the County) and corresponding tribal representative to assess the significance of the find per CEQA Guidelines Section 15064.5. The qualified archaeologist shall determine the nature of the find, evaluate its significance, and, if necessary, suggest preservation or mitigation measures. Appropriate mitigation measures, based on recommendations listed in the archaeological survey report and tribal representative, will be determined by the Glenn County Planning & Community Development Services Agency. Work may proceed on other parts of the project site while mitigation for historical resources, unique archaeological resources, and/or tribal resources is carried out.

All significant cultural materials recovered shall be, at the discretion of the consulting archaeologist, subject to scientific analysis, professional museum curation, tribal representative, and documented according to current professional standards.

Timing/Implementation: During Construction/Excavation Activities

Enforcement/Monitoring:
Glenn County Planning & Community Development Services Agency

XIX. UTILITIES AND SERVICE SYSTEMS

Would the project:		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a)	Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	☐	☐	☒	☐
b)	Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?	☐	☐	☒	☐
c)	Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☐	☒	☐
d)	Generate solid waste in excess of state or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	☐	☐	☒	☐
e)	Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	☐	☐	☐	☒

- a) **Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?**

Less Than Significant Impact. The proposed project will not exceed wastewater treatment requirements of the Regional Water Quality Control Board. There is no municipal wastewater treatment facility proposed with this project. The project will not require or result in new or expanded municipal facilities that could cause significant environmental effects. The proposal will continue to rely on individual sewage disposal systems for wastewater treatment, if required.

The proposed project would not require or result in the construction of new municipal storm water drainage facilities or the expansion of existing facilities; therefore, no significant environmental damage would result from the construction

of such facilities. Current land drainage will not change, any leveling of land or drainage changes must comply with Chapter 15.70 of the Glenn County Code, as well as State and Federal regulations. The project will not require significant alterations to existing electric power, natural gas, or telecommunications facilities. It is concluded there will be a less than significant impact as a result of this project.

- b) **Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?**

Less Than Significant Impact. It is concluded the project will have sufficient water supplies available to serve the project and reasonably foreseeable future, therefore impacts will be considered less than significant.

- c) **Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?**

Less Than Significant Impact. There is no municipal wastewater treatment provider for the area. Individual sewage disposal systems are currently the long-term method of providing sewage disposal for the project area. New sewage disposal systems would be required to meet the standards set forth in Chapter 7.10 of the Glenn County Code and by the Glenn County Environmental Health Department. Glenn County Environmental Health Department was supplied with the projects request for review; Glenn County Environmental Health submitted comments. It is concluded there will be a less than significant impact.

- d) **Generate solid waste in excess of state or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?**

Less Than Significant Impact. Solid waste generated by the project is transported to Glenn County Transfer Station. In 2019 Glenn County closed the landfill and is currently utilizing a transfer station. At this time, waste disposal is not anticipated to be a significant issue. The cumulative impacts on the transfer station will be minimal and will be offset in the future from increased requirements for sorting, recycling, diversion, and increases in disposal costs. Additionally, the following condition of approval is established.

Condition of Approval

All garbage, rubbish, and refuse created, produced or accumulated at the proposed facility and on the property shall be removed by a permitted waste hauler or taken to a permitted facility at least once each week. All garbage shall be kept in a container with a close-fitting cover, without leakage or escape of odors.

- e) **Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?**

No Impact. In compliance with guidelines set forth by AB 939 (California Integrated Waste Management Act of 1989), the County of Glenn has adopted a Source Reduction and Recycling Element (SRRE) to define goals and objectives for waste reduction, recycling, and diversion. The SRRE defines guidelines to implement these goals and objectives through seven main programs, consisting of Source Reduction, Recycling, Composting, Special Waste Materials, Public Education, Policy Incentives, and Facility Recovery. The proposed project will be required to comply with all federal, state, and local statutes and regulations related to solid waste disposal. As a result, there would be no impact on solid waste regulations.

XX. WILDFIRE

		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a)	Substantially impair an adopted emergency response plan or emergency evacuation plan?	☐	☐	☒	☐
b)	Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	☐	☐	☒	☐
c)	Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	☐	☐	☒	☐
d)	Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	☐	☐	☒	☐

a) Substantially impair an adopted emergency response plan or emergency evacuation plan?

Less Than Significant Impact. The project would not interfere with an adopted emergency response or emergency evacuation plan. All roads in the area would remain open. The project site is located on private property with adequate access to State Highway 45 and County Road 54. The project will not interfere with adjacent roadways that may be used for emergency response or evacuation. The project will not prohibit subsequent plans from being established or prevent the goals and objectives of existing plans from being carried out.

The proposed project does not pose a unique or unusual use or activity that would impair the effective and efficient implementation of an adopted emergency response or evacuation plan. According to Figure 4.3-1 of the Glenn County Existing Conditions Report, the project site is not located within a fire hazard severity zone or within Cal Fire's State Responsibility Zone. The severe wildland fires occur in the western portion of the County within the Mendocino National Forest.

The project will not obstruct or compromise the safety of emergency response vehicles or aircraft and their ability to effectively respond in an emergency. Therefore, it is concluded that there is a less than significant impact.

- b) **Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?**

Less Than Significant Impact. The project site has no features that would exacerbate wildfire risk including slope or prevailing winds; therefore, it is concluded there will be a less than significant impact.

- c) **Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?**

Less Than Significant Impact. This project would not require the installation or maintenance of additional infrastructure that may exacerbate fire risk impacts to the environment. The project does not include new infrastructure or maintenance that may exacerbate fire risks or result in temporary or ongoing impacts to the environment. Glenn-Codora Fire Department, located approximately one mile south of the proposal, was notified of this proposal. It is concluded there will be a less than significant Impact.

- d) **Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?**

Less Than Significant Impact. The drainage pattern of the site is not anticipated to significantly change as a result of this project. No people or structures will be exposed to a significant risk due to post-fire slope instability or drainage changes. It is concluded there will be a less than significant impact.

XXI. MANDATORY FINDINGS OF SIGNIFICANCE

		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a)	Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	☐	☐	☒	☐
b)	Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?	☐	☐	☒	☐
c)	Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☐	☐	☒	☐

- a) **Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?**

Less Than Significant Impact. All impacts associated with the project have been identified in this document. Impacts on biological resources and cultural resources were discussed in sections IV and V above. The project would not degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory. All uses at the site are subject to applicable codified federal, state, and local laws and regulations. It is concluded that there will be a less than significant impact.

- b) **Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?**

Less Than Significant Impact. As listed in this document, the proposed project would have a less than significant impact. Total impacts from the project will not be cumulatively considerable. Therefore, impacts are considered less than significant.

In addition, in order to ensure Conditions of Approval and Mitigation Measure Compliance, the following Conditions of Approval will apply to the project:

Condition of Approval (Planning Division):

The applicant/operator shall provide bi-annual (due by January 1 and July 1 of each year) reporting to the Planning Division evidencing that no more than 135,000 tons a year of waste walnut shells (WWS) from the existing onsite walnut shelling facility shall be processed.

Condition of Approval (Planning Division):

The applicant/operator shall provide bi-annual reporting (due by January 1 and July 1 of each year) to the Planning Division that no more than 1,041,000 MMBtu/year of Renewable Natural Gas (RNG), is transported from the existing onsite walnut shelling facility per year.

Condition of Approval (Planning Division):

The applicant/operator shall provide bi-annual reporting (due by January 1 and July 1 of each year) to the Planning Division that the waste walnut shells (WWS) are sourced only from the existing onsite walnut shelling facility.

Condition of Approval (Planning Division):

That the areas of operation and uses shall be confined to as listed in these Mitigation Measures and Conditions of Approval, and delineated as on file with the Glenn County Planning & Community Development Services Agency.

Condition of Approval (Planning Division):

The applicant/operator shall provide a bi-annual (due by January 1 and July 1 of each year) Conditions of Approval and Mitigation Measure Compliance monitoring fee of \$250.00 to the Planning Division.

c) **Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?**

Less Than Significant Impact. The proposed project would not create significant hazards or health safety concerns. Aspects of this project, which have the potential to have an effect on human beings or the environment, have been discussed in this document. The impacts of the project have been concluded to be less than significant. The project as proposed will not have substantial adverse effects on human beings, either directly or indirectly. It is concluded that there will be a less than significant impact.

REFERENCES

In addition to the resources listed below, Initial Study analysis may also be based on on-site field observations, discussions with the affected agencies, analyses of adopted plans and policies, review of existing studies, and specialized environmental studies. Resource materials are available to the public and/or on file in the office of the Glenn County Planning & Community Development Services, 225 North Tehama Street, Willows, CA 95988, Phone (530) 934-6540.

Records of, or consultation with the following:

Applicant:

Wayne McFarland
1625 Broadway Street
Suite 119
Fresno, CA 93721
(815) 513-3363
wmcf@syntechbioenergy.com

Landowner:

Carriere Family Farms
1640 State Highway 45
Glenn, CA 95943
(530) 934-8200
wcarriere@carrierefarms.com

Engineer:

Jason Vine
1767 Market Street, Suite C1
Redding, CA 96001
(530) 526-7493
jason@realm-engineering.com

California Department of Conservation, Division of Oil, Gas, and Geothermal Resources
California Department of Fish and Wildlife
California Department of Food and Agriculture
California Department of Transportation (Caltrans)
Central Valley Regional Water Quality Control Board
Colusa Indian Community Council Cachi Dehe Band of Wintun Indians
Glenn Codora Fire Protection District
Glenn County Agricultural Commissioner
Glenn County Air Pollution Control District/Certified Unified Program Agency
Glenn County Assessor
Glenn County Building Inspection Division
Glenn County Environmental Health Department

Glenn County Public Works, Engineering & Surveying Division
Glenn County Resource Conservation District
Glenn County Sheriff's Office
Grindstone Rancheria of Wintun-Wailaki
Mechoopda Indian Tribe of Chico Rancheria
Northeast Information Center (NEIC) of the
California Historical Resources Information System (CHRIS)
Pacific Gas and Electric Company (PG&E)
Paskenta Band of Nomlaki Indians

California Air Resources Board. *Maps of State and Federal Area Designations*.
<https://ww2.arb.ca.gov/resources/documents/maps-state-and-federal-area-designations>

California Department of Conservation. *Earthquake Zones of Required Investigation*.
<https://maps.conservation.ca.gov/cgs/EQZApp/app/>.

California Department of Conservation. *Farmland Mapping & Monitoring Program*.
<https://www.conservation.ca.gov/dlrp/fmmp>

California Department of Conservation. 1997. *Mined Land Classification Map for Concrete-Grade Aggregate Resources Central Glenn County*.
<https://maps.conservation.ca.gov/cgs/informationwarehouse/index.html?map=mlc>

California Department of Fish and Game. 1994. *A Field Guide to Lake and Streambed Alteration Agreements, Sections 1600-1607, California Fish and Game Code*.
Environmental Services Division, Sacramento, CA.

California Department of Fish and Wildlife. 2014. *California Central Valley Wetlands and Riparian GIS Data Sets*: <http://www.dfg.ca.gov/biogeodata/wetlands/>.

California Department of Toxic Substance Control. *Envirostor: Cleanup Sites and Hazardous Waste Permitted Facilities*. <http://www.envirostor.dtsc.ca.gov/public/>

California Department of Transportation. *Officially Designated State Scenic Highways*. <https://dot.ca.gov/programs/design/lap-landscape-architecture-and-community-livability/lap-liv-i-scenic-highways>

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Glenn County. *Glenn County General Plan, Existing Conditions Report*. 2020. <https://static1.squarespace.com/static/5c8a73469b7d1510bee16785/t/5e556b56c253f84cdc287783/1582656403698/GlennCounty-ECR-Final-Feb2020.pdf>

Glenn County Airport Land Use Commission. February 27, 1991. *Comprehensive Airport Land Use Plan: Orland-Haigh Field Airport*. https://www.countyofglenn.net/sites/default/files/Airports/Orland_Airport_Land_Use_Plan-1991.pdf

Northern Sacramento Valley Planning Area 2018 Triennial Air Quality Attainment PLAN <http://airquality.org/SVBAPCC/Documents/2018%20Triennial%20Report.pdf>

State of California. September 2006. *Assembly Bill 32 California Global Warming Solutions Act of 2006*, http://www.leginfo.ca.gov/pub/05-06/bill/asm/ab_0001-0050/ab_32_bill_20060927_chaptered.pdf

United States Department of Agriculture, Natural Resources Conservation Service, Web Soil Survey: <https://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>

United States Fish and Wildlife Service. *National Wetlands Inventory*: <http://www.fws.gov/nwi>.

U.S. Geological Survey. December 2000. *Land Subsidence in the United States*, USGS Fact Sheet -165-00. <http://water.usgs.gov/ogw/pubs/fs00165/>.

GLENN COUNTY

Planning & Community Development Services Agency

225 North Tehama Street

Willows, CA 95988

530.934.6540

www.countyofglenn.net



Mardy Thomas, Director

REQUEST FOR REVIEW / EARLY CONSULTATION

COUNTY DEPARTMENTS/DISTRICTS

- ☒ Glenn County Agricultural Commissioner
- ☒ Glenn County Air Pollution Control District/CUPA
- ☒ Glenn County Assessor
- ☒ Glenn County Building Inspector
- ☒ Glenn County Engineering & Surveying Division
- ☒ Glenn County Environmental Health Department
- ☒ Glenn County Sheriff's Department
- ☐ Glenn County Board of Supervisors
- ☐ Glenn County Counsel
- ☐ Glenn County Planning Commission
- ☐ Glenn LAFCO

FEDERAL AGENCIES

- ☐ U.S. Army Corps of Engineers
- ☐ U.S. Fish and Wildlife Service
- ☐ U.S. Department of Agriculture
- ☐ U.S. Bureau of Reclamation – Willows
- ☐ Federal Aviation Administration
- ☐ Federal Communications Commission

OTHER

- ☐ California Water Service Co. (Chico)
- ☐ Sacramento River National Wildlife Refuge
- ☐ Comcast Cable (Chico Office)
- ☐ Community Services District:
- ☒ Pacific Gas and Electric Company (PG&E)
- ☒ Fire Protection District: Glenn-Codora
- ☒ Glenn County Resource Conservation District

STATE AGENCIES

- ☒ Central Valley Flood Protection Board
- ☒ Central Valley Regional Water Quality Control Board (RWQCB)
- ☐ State Water Resources Control Board – Division of Drinking Water
- ☐ Department of Alcoholic Beverage Control (ABC)
- ☐ Department of Conservation, Office of Mine Reclamation (OMR)
- ☒ Department of Conservation, Division of Oil, Gas, and Geothermal Resources
- ☒ Department of Fish and Wildlife
- ☒ Department of Food and Agriculture
- ☒ Department of Air Resource Board (CARB)
- ☒ Department Environmental Protection Agency (CalEPA)
- ☐ Department of Public Health
- ☒ Department of Toxic Substances Control (DTSC)
- ☒ Department of Transportation (Caltrans)
- ☐ Department of Water Resources (DWR)
- ☒ Office of the State Fire Marshall
- ☒ Cal Recycle
- ☒ Northeast Center of the California Historical Resources Information System
- ☒ Grindstone Rancheria of Wintun-Wailaki
- ☒ Paskenta Band of Nomlaki Indians
- ☒ Mechoopda Indian Tribe of Chico Rancheria
- ☒ Colusa Indian Community Council Cachi Dehe Band of Wintun Indians

DATE: November 26, 2024

PROJECT: **Conditional Use Permit 2024-004, Carriere/Syntech CF1, LLC
Advanced Thermal Conversion**

PLANNER: Andy Popper, Principal Planner; apopper@countyofglenn.net

APPLICANT: Wayne McFarland
1625 Broadway Street
Suite 119
Fresno, CA 93721
(815) 513-3363
wmcf@syntechbioenergy.com

LANDOWNER: Carriere Family Farms
1640 State Highway 45
Glenn, CA 95943
(530) 934-8200
wcarriere@carrierefarms.com

ENGINEER: Jason Vine
1767 Market Street, Suite C1
Redding, CA 96001
(530) 526-7493
jason@realm-engineering.com

**PROPOSAL: Conditional Use Permit 2024-004,
Carriere/Syntech CF1, LLC Advanced Thermal Conversion**

Conditional Use Permit 2024-004, Carriere/Syntech CF1, LLC Advanced Thermal Conversion (ATC) project will operate on a 24/7 basis to remediate up to 135,000 tons a year of waste walnut shells (WWS) from an existing onsite walnut shelling facility into approximately 1,041,000 MMBtu/year of Renewable Natural Gas (RNG), which will then be compressed into a mobile storage trailer and then transported an existing walnut huller/dryer facility to be injected into a PG&E pipeline. The RNG project, referred to as SynTech CF1 will consist of the following four main operational components:

1. Organic Feedstock to Syngas Conversion
2. Biochar Transfer and Storage Facility
3. Collection of Syngas and Upgrade to Pipeline Quality RNG
4. Pipeline RNG Storage and Transfer Facility

Walnut shells will be moved to the ATC site via an enclosed conveyor system to a secondary waste walnut shell storage building used specifically for the ATC process. The project will draw power from the local utility grid during normal operation. In the case of grid power interruption, a natural gas and/or syngas fueled emergency generator will power essential safety and operational systems until grid power is restored. The biochar byproduct of the ATC process will be approximately 4% by volume of the WWS volume converted or remediated in the process and will be collected in 500 lb. storage containers for storage and shipment. Additional project information is included in the application and documents.

LOCATION: The project is located at 1640 State Route 45, south of the community of Glenn; located on the east side of State Route 45, south of the County Road 52, west of the Sacramento River, and north of County Road 54, in the unincorporated area of Glenn County, California.

ZONING: "FS-80" Farmland Security Zone

GENERAL PLAN: "Intensive Agriculture"

APN: 016-030-011 (96.37± acres), 016-090-016 (145.75± acres)

FLOOD ZONE: Both project sites are in Flood Zone "A" according to Flood Insurance Rate Map (FIRM) No. 06021C0650D, dated August 8, 2010 issued by the Federal Emergency Management Agency (FEMA). Flood Zone "A" (unshaded) consists of areas subject to inundation by the 1-percent-annual-chance flood event generally determined using approximate methodologies. Because detailed hydraulic analyses have not been performed, no Base Flood Elevations (BFEs) or flood depths are shown. Since the project site is within Flood Zone "A" as designated by FEMA, a Flood Elevation Certificate will be required before issuance of a Building Permit in accordance to Glenn County Code §15.54.

The Glenn County Planning Division is requesting comments on this proposal for determination of completeness, potential constraints, and/or proposed conditions of approval. If comments are not received by **Tuesday, December 17, 2024**, it is assumed that there are no specific comments to be included in the initial analysis of the project. Comments submitted by e-mail are welcomed. Thank you for considering this matter.

AGENCY COMMENTS:

Please consider the following:

1. Is the information in the application complete enough to analyze impacts and conclude review?
2. Comments may include project-specific code requirements unique to the project. Cite code section and document (i.e. General Plan, Subdivision Map Act, etc.).
3. What are the recommended Conditions of Approval for this project and justification for each Condition? When should each Condition be accomplished (i.e. prior to any construction at the site, prior to recording the parcel map, filing the Final Map, or issuance of a Certificate of Occupancy, etc.)?
4. Are there significant environmental impacts? What mitigation(s) would bring the impacts to a less than significant level? When should mitigation(s) be accomplished (i.e. prior to recording parcel map, filing Final Map, or Certificate of Occupancy, etc.)?

Date Submitted: _____

**GLENN COUNTY
PLANNING AND COMMUNITY
DEVELOPMENT SERVICES AGENCY**
255 Tehama Street
Willows, CA 95988
(530) 934-6540
planning@countyofglenn.net

APPLICATION FOR CONDITIONAL USE PERMIT

NOTE: FAILURE TO ANSWER APPLICABLE QUESTIONS AND
REQUIRED ATTACHMENTS COULD DELAY THE
PROCESSING OF YOUR APPLICATION.

1. Applicant(s): 
Name: Wayne McFarland
Address: 1625 Broadway Street, Suite 119, Fresno, CA 93721
Phone: 815-513-3363 E-Mail wmcf@syntechbioenergy.com
2. Property Owner(s): 
Name: Carriere Family Farms
Address: 1640 CA-45 Glenn, CA 95943
Phone: (530) 934-8200 E-Mail wcarriere@carrierefarms.com
3. Engineer/Person who Prepared Site Plan (if applicable):
Name: Jason Vine
Address: 1767 Market Street, Suite C1
Phone: 530.526.7493 E-Mail jason@realm-engineering.com
4. Name and address of property owner's duly authorized agent (if applicable)
who is to be furnished with notice of hearing (§65091 California Government
Code).
Name: N/A
Mailing Address: _____

5. Existing Use of Property: Walnut hulling, drying, shelling and packaging
6. Request or Proposal:
Conditional Use Permit to operate a renewable energy gasification
process that uses the walnut shell waste stream from the walnut shelling
facility on the same site.
7. Address and Location of Project: 1640 State Highway 45, Glenn, CA 95943, 7693 HWY 162, Willows, CA 95988
8. Current Assessor's Parcel Number(s): 016-030-011, 016-090-016
9. Existing Zoning (<http://gis.gcppwa.net/zoning/>): FS-80
10. Provide any additional information that may be helpful in evaluating your proposal. *Example - number of employees, hours of operation, number of truck deliveries/loadings per day:*
Please refer to the attached Project Description.
11. Setback Dimensions (Distance from property line to proposed structure):
North: 75 ft. South: 1075 ft.
East: 1515 ft. West: 185 ft.
Other Setback/s: _____ ft.
12. Provide the following information:
Size of Assessor Parcel: _____ sq.ft. 96 acres
Mean height of structure: 25 ft. Peak height of structure: 35 ft.
Dimensions of proposed including overhangs: 150 ft. x 150 ft.
Total Square Footage (Existing): 423,950 sq.ft.
Total Square Footage (Proposed): 25,000 sq.ft.

Project _____

Date Submitted: _____

**GLENN COUNTY
PLANNING AND COMMUNITY
DEVELOPMENT SERVICES AGENCY**
225 Tehama Street
Willows, CA 95988
(530) 934-6540
planning@countyofglenn.net

ENVIRONMENTAL INFORMATION FORM

To be completed by applicant or engineer
Use extra sheets if necessary

NOTE: FAILURE TO ANSWER APPLICABLE QUESTIONS AND
REQUIRED ATTACHMENTS COULD DELAY THE
PROCESSING OF YOUR APPLICATION.

This list is intended to meet the requirements of State of California Government
Code Section 65940.

I. GENERAL INFORMATION:

1. Applicant(s):

Name: Wayne McFarland

Address: 1625 Broadway Street, Suite 119, Fresno, CA 93721

Phone: 815-513-3363 E-Mail wmcf@syntechbioenergy.com

2. Property Owner(s):

Name: Carriere Family Farms

Address: 1640 CA-45 Glenn, CA 95943

Phone: (530) 934-8200 E-Mail wcarriere@carrierefarms.com

3. Engineer/Person who Prepared Site Plan (if applicable):

Name: Jason Vine

Address: 1767 Market Street, Suite C1

Phone: 530.526.7493 E-Mail jason@realm-engineering.com

4. Name and address of property owner's duly authorized agent (if applicable) who is to be furnished with notice of hearing (§65091 California Government Code).

Name: N/A

Mailing Address: _____

5. Existing Use of Property: Walnut hulling, drying, shelling and packaging

6. Request or Proposal:

Conditional Use Permit to operate a renewable energy gasification process that uses the walnut shell waste stream from the walnut shelling facility on the same site.

7. Address and Location of Project: 8106 County RD 54, Glen CA 95943/7693 Highway 162, Willows, CA 95988

8. Current Assessor's Parcel Number(s): 016-030-011, 016-090-016

9. Existing Zoning (<http://gis.gcppwa.net/zoning/>): FS-80

10. Indicate the type of permit(s) application(s) to which this form pertains:

Conditional Use Permit

11. If the project involves a variance, conditional use permit, or rezoning application, state this and indicate clearly why the application is required:

The project is an approved agricultural use on the site, where it is processing agricultural waste produced on site. However, the project will not be providing power to the existing walnut processing facility on the same site. The project will delivering the power generated to the PG&E grid.

12. List and describe any other related permit(s) and other public approvals required for this project, including those required by city, regional, state, and federal agencies:

See the attached Project Description.

13. List any special studies been prepared for the project site that are related to the proposed project including, but not limited to traffic, biology, wetlands delineation, archaeology, etc?

II. ENVIRONMENTAL SETTING:

1. Describe in detail the project site as it exists before the project, including information on topography, soil stability, plants and animals (wetlands, if any), different crops, irrigation systems, streams, creeks, rivers, canals, water table depth, and any cultural historical or scenic aspects. Describe any existing structures on the site, and the use of the structures. Attach photographs of the site. Snapshots or Polaroid photos will be accepted.

Previously used as orchards and walnut shell storage.

2. Describe the surrounding properties, including information on plants, animals, and any cultural, historical or scenic aspects. Indicate the type of land use (residential, commercial, agricultural, etc.), intensity of land use (one-family, apartment houses, shops, department stores, dairy, row crops, orchards, etc.) Attach photographs of the vicinity. Snapshots or Polaroid photos will be accepted.

North:

East:

North: 8106 County RD 54, Glen CA 95943, Intensive agricultural land use
surrounding the property.

North: 7693 Highway 162, Willows CA, 95988, Intensive agricultural land
use surrounding the property.

3. Describe noise characteristics of the surrounding area (include significant noise sources):

Walnut shelling and processing equipment noise. Industrial fans, blowers,
conveyance equipment.

III. SPECIFIC ITEMS OF IMPACT:

1. Drainage:

(a) Describe how increased runoff will be handled (on-site and off-site):

~~To be handled by existing drainage system at the site already installed.~~ _____

(b) Will the project change any drainage patterns? (Please explain):

~~No.~~ _____

(c) Will the project require the installation or replacement of storm drains or channels? If yes, indicate length, size, and capacity:

~~No.~~ _____

(d) Are there any gullies or areas of soil erosion? (Please explain):

~~No.~~ _____

(e) Do you plan to grade, disturb, or in any way change swales, drainages, ditches, gullies, ponds, low lying areas, seeps, springs, streams, creeks, river banks, or other area on the site that carries or holds water for any amount of time during the year?

~~No.~~ _____

If yes, you may be required to obtain authorization from other agencies such as the Army Corps of Engineers or California Department of Fish and Game.

2. Water Supply:

(a) Indicate and describe source of water supply (domestic well, irrigation district, private water company):

~~Will use existing supply already on-site.~~ _____

(b) Will the project require the installation or replacement of new water service mains?

~~no.~~ _____

3. Liquid Waste Disposal:

(a) Will liquid waste disposal be provided by private on-site septic system or public sewer? _____

Private on-site septic

(b) If private on-site septic system, describe the proposed system (leach field or seepage pit) and include a statement and tests explaining percolation rates, soil types, and suitability for any onsite sewage disposal systems:

leach field

(c) Will any special or unique sewage wastes be generated by this project other than normally associated with resident or employee restrooms?

Industrial, chemical, manufacturing, animal wastes? (Please describe)

None

(d) Should waste be generated by the proposed project other than that normally associated with a single family residence, Waste Discharge Requirements may be required by the Regional Water Quality Control Board.

Only waste discharge will be from office building into a septic system.

4. Solid Waste Collection:

(a) How will solid waste be collected? Individual disposal, private carrier, city?

Private carrier

5. Source of Energy:

(a) What is the source of energy (electricity, natural gas, propane)?:

Electricity

(b) If electricity, do any overhead electrical facilities require relocation? Is so, please describe:

No

(c) If natural gas, do existing gas lines have to be increased in size? If yes, please describe:

N/A

(d) Do existing gas lines require relocation? If yes, please describe:

N/A

6. Fire Protection:

(a) Indicate number and size of existing and/or proposed fire hydrants and distance from proposed buildings:

See supplied site plans

(b) Indicate number and capacity of existing and/or proposed water storage facilities and distance from proposed buildings:

See supplied site plans

IV. FOR ZONE CHANGE, ZONE VARIANCE, AND SPECIAL USE PERMIT APPLICATION:

1. Number and sizes of existing and proposed structures:

New proposed structures 4: Office building 1250sqft, Flat storage 22500sqft,
Processing site 68,080sqft, pipeline injection site 11,250sqft

2. Square footage
(structures) 103,080 S.F.; 423,950 S.F.
(New) (Existing)

3. Percentage of lot coverage: _____

4. Amount of off-street parking provided: 15 spaces

5. Will the project be constructed in phases? If so, please describe each phase briefly:

Yes, CF1 and CF2 phases. More detail explanation available in project
description document.

6. If residential, include the number of units, schedule of unit sizes, range of sale prices or rents, and type of household size expected:

7. If commercial, indicate type, estimated employment per shift, days and hours of operation, estimated number of daily customers/visitors on site at peak time, and loading facilities:

8. If industrial, indicate type, estimated employment per shift, and loading facilities:

Construction jobs 100-200. Permanent direct Jobs 35-45. Permanent
indirect 120-240. More detail available on page 8 of project description.

9. If institutional, indicate the major function, estimated employment per shift, estimated occupancy, loading facilities, and community benefits to be derived from the project:

10. List types and quantities of any hazardous or toxic materials, chemicals, pesticides, flammable liquids, or other similar product used as a part of the operation and storage container sizes:

Submit Material Safety Data Sheets (MSDS) for any proposed hazardous materials. If hazardous materials are proposed, it is recommended that the applicant contact the Air Pollution Control District/CUPA for permitting requirements.

11. Describe any earthwork (grading) to be done and dust control methods to be used during construction:

12. Describe any potential noise or vibration sources associated with the project (i.e. compressor, machine noise, heavy equipment).

While site will have compressors and auger motors it will not exceed the existing noise and vibration already on-site.

13. Describe source, type, and amount of air pollutant emissions (smoke, odors, steam, gases, water vapor, dust, chemicals) from the project. Describe what methods would be used to reduce emissions:

Water vapor and backup power generation equipment, NG or propane generators and respective emissions. These emissions are catalytic control by generators regulations.

V. CERTIFICATION:

I hereby certify that the statements furnished above and in the attached exhibits present the data and information required for this initial evaluation to the best of my ability, and that the facts, statements and information presented are true and correct to the best of my knowledge and belief.

Date: October 10, 2024 Signature: _____

For: Syntech Energy Services

According to Section 65943 for the California Government Code, your application will be reviewed within 30 days and you or your agent will receive written notice regarding the completeness of your application. Any reviewing agency may, in the course of processing the application, request the applicant to clarify, amplify, correct, or otherwise supplement the information required for the application.

According to Section 65944 (C), additional information may be requested in order to comply with Division 13 of the State of California Public Resources Code.

DECLARATION UNDER PENALTY OF PERJURY

(Must be signed by Applicant(s) and Property Owner(s))
(Additional sheets may be necessary)

The Applicant(s) and/or Property Owner(s), by signing this application, shall be deemed to have agreed to defend, indemnify, release and hold harmless the County, its agents, officers, attorneys, employees, boards and commissions from any claim, action or proceeding brought against the foregoing individuals or entities, the purpose of which is to attack, set aside, void or null the approval of this development entitlement or approval or certification of the environmental document which accompanies it, or to obtain damages relating to such action(s). This indemnification agreement shall include, but not be limited to, damages, costs expenses, attorney fees or expert witness fees that may be asserted by any person or entity, including the applicant, arising out of or in connection with the approval of the entitlement whether or not there is concurrent passive or active negligence on the part of the County.

Applicant(s): 

Signed: Wayne McFarland

Print: Wayne McFarland

Date: October 10, 2024

Address: P.O. Box 107 Morris, IL 60435

I am (We are) the owner(s) of property involved in this application and I (We) have completed this application and all other documents required.

I am (We are) the owner(s) of the property involved in this application and I (We) acknowledge the preparation and submission of this application.

I (We) declare under penalty of perjury that the foregoing is true and correct.

Property Owner(s):

Signed: William D. Carriere

Print: William D. Carriere

Date: October 10, 2024

Address: 1640 State Highway 45, Glenn, CA 95943

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CARRIERE/SynTech CF1, LLC ADVANCED THERMAL CONVERSION

PROJECT DESCRIPTION

I. EXECUTIVE SUMMARY

The applicant, SynTech CF1, LLC, an Illinois limited liability company (“CF1”) registered to do business in California, is proposing a project in the County of Glenn, that will convert an agricultural waste (waste walnut shells, “WWS”) into Renewable Natural Gas (“**Renewable Natural Gas**”, also known as “RNG”), which will be injected into a PG&E pipeline, to be sold to third party purchasers. The RNG project, referred to as SynTech CF1 (sometimes referred to as “**Project**” or “**CF1**”) will consist of the following four main operational components; each component being particularly described in Section III below:

- i. Organic Feedstock to Syngas Conversion
- ii. Biochar Transfer and Storage Facility
- iii. Collection of Syngas and Upgrade to Pipeline Quality RNG
- iv. Pipeline RNG Storage and Transfer Facility

The Advanced Thermal Conversion (ATC¹) process used in this project was developed by and is proprietary to an affiliate entity of CF1. While a form of gasification, SynTech’s proprietary ATC technologies and processes rely on rigid and precise control throughout the entire process, another aspect of SynTech’s proprietary IP, technology and process, which allows the system to maintain significantly higher operating temperatures than traditional gasification types. This results in an ability to produce an ultra-clean and virtually tar-free Syngas of much higher quality than traditional gasification, pyrolysis and other less evolved technologies.

It is the high quality of this Syngas² which allows SynTech to upgrade it directly to RNG ready for pipeline injection. The ATC process technology proprietary to SynTech is commonly known as “BioMax®. SynTech has over 126,000 commercial operating hours on these systems, to date, most of which have historically been accumulated in California meeting even California’s stringent environmental emission requirements.

The WWS will be fed into the BioMax® ATC Systems, where it will be converted to Syngas via the ATC process, and to RNG in a secondary methanation process, also proprietary to SynTech, commonly known as LiquiMax®. The RNG is then processed by separating out carbon dioxide and other impurities to produce RNG meeting PG&E pipeline quality standards. The RNG is then tested, metered and compressed to inject into a RNG mobile storage trailer, which is then transported 4.5 miles to the Carriere Drying and Hulling facility. There the RNG is again tested, metered, compressed to pipeline pressure and injected into the PG&E pipeline distribution system.

The only byproduct of the ATC process will be high value biochar that will be stored and transferred to another site to produce Graphene and other carbon-negative industrial materials and agricultural products. The biochar volume will be approximately 4% by volume of the WWS volume converted or remediated in the process and will be collected in 500 lb. storage containers for storage and shipment. Biochar produced by the BioMax® process is completely organic, non-toxic and is transferred into sealable storage containers via an enclosed conveyance system.

CF1 will draw power from the local utility grid during normal operation. In the case of grid power interruption, a natural gas and/or syngas fueled emergency generator will power essential safety and operational systems until grid power is restored. The project will produce no waste which needs to be transported, landfilled or sent out for other methods of disposal.

The project site is strategically located near a utility interconnection and the source of the organic feedstock (WWS). WWS will be provided to the BioMax® ATC process from the adjacent Carriere Family Farms walnut processing facility and waste shell storage building. Walnut shells will be moved to the ATC site via an enclosed conveyor system to a secondary waste walnut shell flat storage building used specifically for the ATC process. All organic agricultural waste streams (WWS) will be sourced from walnut growers in the area. See the attached site plan (**Appendix A, Phase 1 Site Plan**). [Note: All process infrastructure, including RNG mobile storage trailer infrastructure, will be placed on the four-acre site located adjacent to and north of the existing Carriere Family Farms walnut shelling facility.] The RNG from the Upgrade Facility will be injected into mobile storage trailers and moved 4.5 miles to an approved utility gas pipeline interconnection point. PG&E Interconnection Application is still being reviewed, but the initial study has identified PG&E line L172A as a pipeline with sufficient capacity for the RNG volumes produced in this project. That pipeline crosses the Carriere Hulling and Drying facility property, which will be utilized as the injection site. CF1 will locate and build a RNG decanting and injection station on this site.

CF1 proposes a Site Plan Review for this project.

II. SYNTECH CF1, LLC (“CF1”)

CF1 is a wholly owned project Special Purpose Vehicle (“SPV”) subsidiary of SynTech Holdings, LLC (“SynTech”), a privately held Illinois limited liability company located at 711 Briar Lane, Morris, IL 60450. SynTech is focused on the development of solid waste to renewable and sustainable clean energy projects which provide a sustainable, practical and economically sound path to remediation of agricultural solid waste materials and reduction of carbon pollution. CF1 is registered to do business in California at 1625 Broadway Street, Suite 119, Fresno, CA 93721. CF1 is presently actively developing renewable energy projects that focus on their patented BioMax® ATC and LiquiMax® Advanced Sustainable Fuels processes, producing valuable, sustainable products such as:

- I. Pipeline quality RNG production by means of SynTech’s patented BioMax® ATC process and a secondary but equally proprietary LiquiMax® methanation process, and commercially proven gas separation and purification processes.
- II. Production of other renewable energy and organic carbon products, which include Syngas, electricity, Sustainable Aviation Fuel (SAF), Green Hydrogen (“GH2”) and high value biochar that is upgraded to marketable graphene or other industrial and agricultural products.

SynTech’s project opportunities involve the utilization of SynTech’s BioMax® ATC process with various other organic agricultural raw materials that are classified as waste streams that are substantial in quantities, dependable in their availability and can be acquired with consistent quality, that will efficiently convert to RNG and high value biochar that will be upgraded to valuable graphene or other industrial and agricultural products.

CF1 has successfully entered long-term (10 years) supply agreements with United Energy Trading for the entire production from the CF1 Facility.

III. PROJECT DETAIL

CF1 proposes to permit, fund, construct and operate the CF1 ATC and RNG Facility as a “pipeline quality” (PG&E Rule 21 compliance) renewable natural gas (“**RNG**”) production facility in Glenn County, California. All the project facilities will operate on a 24/7 basis, producing noise levels of no more than 85 dBa on the industrial noise scale, within 10 meters of the BioMax® process. This is comparable to existing noise levels at both project sites. This project will process solid organic waste feedstock in the form of WWS produced as a waste stream from the adjacent Carriere Family Farms walnut processing facility in Glenn. The process of converting organic feedstock is as follows:

Step 1. Organic Feedstock to Syngas Conversion

BioMax® ATC Facility.

CF1 will construct and operate a co-located ATC facility designed and engineered to accept and process agricultural solid waste products, in the form of WWS produced by the processing of locally grown walnuts at the adjacent Carrier Family Farms walnut shelling facility. The ATC Facility will be built in two phases (see **APPENDIX A and B**), the ATC process is illustrated in **APPENDIX**

C. The ATC facility will utilize SynTech's patented and proprietary BioMax® (further explained in footnote ¹) technology to produce a Syngas product².

The ATC Facility, when at full scale, will remediate up to approximately 135,000 tons of Organic Feedstock (WWS) yearly to produce approximately 1,041,000 MMBtu/year (MMBtu = one million British Thermal Units) of renewable natural gas. The WWS will come from the adjacent Carriere Family Farms walnut shelling facility. The walnuts from which those waste walnut shells are produced are all grown within a short proximity of the Carriere shelling operation. The Organic WWS Feedstock will be presorted and processed by Carriere to provide a suitable organic feedstock to process prior to the WWS entering the CF1 shell storage building on our project site. All WWS received will be tested and confirmed to meet Organic Feedstock product specifications, as guaranteed by the feedstock supplier, prior to usage at the ATC Facility.

¹ **Advanced Thermal Conversion (ATC)** - SynTech's BioMax® system employs advanced thermochemical conversion (ATC) technology to transform solid agricultural, forest, and other waste materials like nut shells and wood into a combustible Syngas, known as producer gas. This process takes place in a low-oxygen, meticulously controlled, high-temperature environment, where biomass undergoes high heat, releasing carbon and hydrogen compounds as gases. The resulting Syngas is then cooled and conditioned before being directed to an internal combustion reciprocating engine, generating power for the CF1 facility, and to SynTech's proprietary LiquiMax® Advanced Sustainable Fuels components for further refinement into renewable natural gas (RNG), ensuring environmentally friendly operations. BioMax® distinguishes itself from biomass incineration/combustion, where all combustible biomass materials are consumed in a single combustor, converting them into heat and non-combustible gases using ample air for complete oxidation. Typically, biomass combustion leads to emissions such as nitrogen oxides, volatile organic compounds (VOCs), smoke, and particulates due to challenges in controlling solid fuel combustion. However, BioMax® mitigates these issues through its design and control systems, producing virtually tar-free Syngas (producer gas) in a closed-loop system that complies with all relevant California environmental emission regulations.

² **SYNGAS** – The gas product resulting from the ATC process is commonly referred to as Syngas. Its composition typically includes hydrogen, carbon monoxide, carbon dioxide, methane, nitrogen, and water vapor, with proportions varying depending on the biomass and the gasification or ATC method utilized. Following the ATC process, Syngas undergoes nominal gas cooling and conditioning to eliminate residual particulates, sulfur compounds, and other trace substances. Subsequently, it is directed to engine/generators to generate power for the entire facility, enabling grid independence and alleviating strain on the local utility grid. The primary Syngas output is further refined to produce renewable natural gas (RNG), which undergoes separation and purification in the final gas upgrade system to meet Rule 21 pipeline injection standards.

TYPICAL SYNTECH ATC FACILITY



The tested and delivered Organic Feedstock products will be directed to their specially designed receiving and storage/feed systems. The solid Organic Feedstock products are moved from the flat shell storage building into feedstock silos that hold three days of processed feedstock. The Organic Feedstock is then moved from the feedstock silos into the BioMax® ATC process. As the advanced thermochemical conversion process occurs, the gases liberated from the feedstock (Syngas) move into the secondary methanation process and are reformed into RNG. The residual solids from the ATC process (biochar) exit the bottom of the reactor and are conveyed into storage containers that are fully enclosed and held onsite until transfer to other locations for upgrade to graphene or other industrial and agricultural products.

Step 2. Biochar Transfer and Storage Facility

Biochar Facility

After the ATC process, the remaining solid material is a product commonly known as biochar. Biochar is a high carbon content, high surface area material that has a variety of uses and is high in value.

Biochar from the ATC process is transferred from the BioMax® equipment through an enclosed auger system to storage containers that include a high temperature foil liner inside of a hard storage and shipping container. These containers will normally be filled to about 500 lbs. of biochar, then sealed and moved from the production location to a storage area on site. While in storage, the containers remain sealed to protect them from the elements. At full production capacity for this site, the units should produce just under 30,000 lbs./day of biochar, or about 15 tons per day. Since this material is

intended to supply other processes at other locations, storage at this site is intended to be short term and should not be longer than is required to complete quantities necessary for full truckload shipment. At full production, that is expected to be 1-2 days. 100% of the biochar produced at this site will be shipped to other locations.

Uses of SynTech produced biochar, which has been branded “SynChar” due to its carbon density, extreme surface area and adsorption capacity and other characteristics, include the manufacture of Graphene, graphite, activated carbon, carbon black, and other valuable industrial and agricultural materials and supplies. Biochar is also valuable as a soil amendment, adding nutrients to soils and enhancing soil water retention characteristics through its high surface area.

Step 3. Collection of Syngas and Upgrade to Pipeline Quality RNG

Syngas and RNG Upgrade Facility

Syngas produced in the ATC process passes through filtration and conditioning equipment to remove any residual particulates, sulfur compounds or other unwanted trace compounds prior to moving to the secondary LiquiMax® methanation (RNG) process. LiquiMax® uses a proprietary catalyst technology to reform the syngas to RNG. State of the art membrane technology will then be utilized to remove carbon dioxide, and any other unwanted compounds from the gas stream to provide an RNG stream meeting Utility pipeline quality standards. The gas exiting the ATC and methanation processes is approximately 50% RNG. Carbon dioxide and other gas constituents not converted to RNG are recirculated in the process for further conversion or may be consumed in backup power generation.

Step 4. Pipeline Grade RNG

Pipeline Injection

The Project will produce approximately 2,850 MMBtu/day of RNG meeting PG&E’s Pipeline Rule 21 specifications. The Syngas product, produced by the BioMax® process will be delivered to the LiquiMax® methanation (RNG) process via piping, located on the same site as the BioMax® process.

The RNG will be directed through a pressure regulation temporary gas storage vessel. Once in the gas storage vessel the pipeline quality RNG will be tested and certified to meet Rule 21 specifications, then compressed and injected into a mobile storage trailer that will move the RNG to the CF1 RNG compression and injection station located at 7693 Highway 162, Carriere Family Farms Drying and Hulling facility. This site provides an interconnection point on PG&E’s system that will be located on PG&E’s Line 172A, which runs through the Carriere Drying and Hulling property. This site is illustrated in **APPENDIX D**.

Once at the interconnection point, the RNG will be compressed to meet Utility Pipeline injection standards that include a suggested maximum average operating pressure of 800 pounds. If needed, the RNG Rule 21 product will be directed to a gas chilling heat exchanger after exiting the

compressor station to ensure the temperature is from 60 – 100 degrees Fahrenheit. The Rule 21 RNG product will then be injected into the PG&E natural gas pipeline via a short high pressure gas line that will transfer the RNG from Syntech’s injection station to PG&E’s injection and transfer infrastructure. (“High Pressure Biomethane Pipeline”).

IV. Emergency Conditions and Site Mitigation Plan

Fire Prevention: The site will be provided with on-site fire protection per instructions of the Fire Marshal. Roadways will be provided for fire truck access to the site.

RNG Injection Interruption: At the RNG production site, located at the Carriere shelling facility, the ATC process is a thermochemical process and can be shut down immediately. Shut down may be required in the case of a utility interconnection interruption due to our RNG not meeting the PG&E Rule 21 requirement or some other process infrastructure failure. Fugitive gas in the process will be consumed through the on-site power generation, while the sales gas (RNG) will remain in the low-pressure pipelines for future transfer to the Utility interconnection point at the Carriere Drying facility. Backup power at the site will provide for the compression necessary for the storage trailers, until they can be moved to the injection site.

In the case of RNG injection interruption at the Utility injection site, the RNG will move to an alternative injection site located in Ceres, California, roughly 160 miles south of the Carriere Drying facility. Possible causes of interruption would include infrastructure failure (e.g. compressor or other equipment failure) or power interruption.

V. SIGNIFICANT ENVIRONMENTAL AND ECONOMIC BENEFITS

The Project is poised to significantly improve the economic landscape and environmental state of Glenn County, bolstering its agricultural sector.

a. Economic Benefits for the Glenn County Region

The SynTech CF1 ATC project will provide a boost to the local economy by providing the following projected increase in jobs:

PROJECTED JOB CREATION OF PROJECT & FUTURE SITES

JOB TYPES	NUMBER OF JOBS
Construction Jobs	100-200
Permanent Direct Jobs (On-site)	35-45
Permanent Indirect Jobs	120-240
Permanent Admin. & Management Jobs (Off-site)	2-4
Potential Duplicate Opportunity Sites	8-12

Table 1- Projected Job Creation Table

b. Environmental Benefits for the Glenn County Region

The most significant environmental benefits are immediate and significant reduction in site-specific, local and regional carbon footprints. The benefits are the product of the reductions in methane emissions and transportation emissions resulting from the need to transport the WWS shell to distant, less environmentally efficient disposal sites, which might include burning, combustion, composting, landfilling, or natural decay. By converting Carriere's waste walnut shell into RNG, it eliminates any possibility of the waste stream going to landfill, additionally, this will significantly reduce the total number of travel miles per truck trip from 400 total miles to 9 miles. Additionally, the RNG produced from this project will be used to fuel transportation in various forms, possibly including the production of renewable power for the charging of electrical vehicles within the State of California and/or sold into local, regional and/or international renewable energy markets, all of which represent a major environmental benefit from the SynTech CF1 project. The California agricultural industry is growing and doing so in a sustainable manner. California agricultural producers are subject to the most stringent environmental regulations in the U.S. Agriculture in California has been recognized as a model in the industry, all driven by engaged local lead agencies who understand the needs of their community and environment. The CF1 project furthers each of the goals and mandates of California and its lead agencies in this area.

c. Benefits to Host Site Provider

The partnership between SynTech CF1 and Carriere Family Farms promises substantial benefits for the latter in various dimensions. Foremost among these advantages is the elimination of the need to transport waste walnut shells (WWS) to off-site locations for remediation. With the project situated directly adjacent to Carriere's existing walnut processing facility where the waste is generated, Carriere Family Farms stands to reap significant savings by circumventing transportation costs, mitigating truck congestion, and reducing the carbon footprint associated with transportation activities, as well as any costs required to dispose of the WWS in landfills or other disposal options. This localized approach not only streamlines operations but also enhances Carriere's environmental sustainability efforts, aligning with its commitment to responsible stewardship of resources. By minimizing logistical complexities and optimizing resource utilization, Carriere Family Farms can focus on core agricultural activities while enjoying the economic and environmental benefits afforded by this collaborative venture.

d. Expansion Possibilities

Indeed, the ample supply of waste walnut shells (WWS) from Carriere Family Farms sets a solid foundation for the success of the CF1 project. With the current stockpile and ongoing production of WWS exceeding the project's requirements, CF1 enjoys a robust and sustainable source of feedstock, ensuring operational viability and longevity. Moreover, the project holds promising prospects for expansion, leveraging the potential to collaborate with neighboring farming and/or nut processing operations. By extending the benefits of RNG production to other farms and processors in the surrounding area, CF1 not only strengthens its regional partnerships but also fosters a collaborative ecosystem centered on sustainable waste management and renewable energy production. This inclusive

approach not only enhances the project's economic resilience but also amplifies its positive impact on the local agricultural community and the broader environment. As CF1 explores avenues for growth and collaboration, it emerges as a beacon of innovation and sustainability in the agricultural landscape, driving positive change and fostering resilience in the face of evolving energy and environmental challenges.

As our projects grow, start running smoothly, and prove successful, they'll naturally pave the way for expansion. Our timeline goal is simple: as things progress, we aim to keep growing. Below is a target timeline for expansion in the area:

1. CF1, a 24-unit RNG project
 - a. Start date: in process.
 - b. Begin manufacture date: beginning Q3, 2024
 - c. Equipment delivery date:
 - i. Starting: end of Q4, 2024
 - ii. Completed: mid of Q2, 2025
 - d. Substantial Completion/Commissioning date: beginning Q2, 2025
 - e. Commercial Operating date: Q3, 2025
2. CF2, a 24-unit RNG project
 - a. Start date: Q4, 2024
 - b. Begin manufacture date: beginning of Q1, 2025
 - c. Equipment delivery date:
 - i. Starting: beginning of Q2, 2025
 - ii. Completed: beginning of Q3, 2025
 - d. Substantial Completion/Commissioning date: Q4, 2025
 - e. Commercial Operating date: end of Q4, 2025

e. Truck Traffic Impact

Another significant benefit of the CF1 and CF2 projects will be the reduction of truck traffic in the area, along with a substantial decrease in CO2 emissions. Currently, Carriere Farms alone transports 460 truckloads of waste (WWS) annually, covering distances up to 400 miles (round trip) for disposal. This figure is expected to double in the coming years. Including other WWS producers in the area, the total WWS output will necessitate 2,920 truckloads each year, resulting in 1,889 Tons of CO2 emissions just for transportation to disposal sites.

Once the CF1 project is fully completed, the current 584,000 truck miles will be replaced by just 9,855 miles driven by electric trucks powered by renewable energy, resulting in zero emissions.

With the completion of the 2nd phase of this project (CF2) project, the improvements will be even more significant. CF1 & CF2 will handle the equivalent of 6,000 truckloads per year, which would have otherwise produced 3,881 Tons of CO2 from 2.4 million miles driven annually. This will be reduced to just 19,710 miles, all with zero emissions. The table below shows the contrast between current operations using diesel trucks to the new operation with electric trucks.

Projects		Truck Loads	Distance Traveled Per Truck	Total Distance Traveled	Total Carbon Emissions Tons
CF1	Carriere Today	460	400	92,000	298
	Carriere 2025 Projection	920	400	184,000	595
	Surrounding area	2,000	400	400,000	1,294
	Total	2,920	400	584,000	1,889
	Electric Trucks Carrying RNG	1,095	9	9,855	0
CF1 & CF2	Equivalent Truck Loads	6,000	400	2,400,000	3,881
	Electric Trucks Carrying RNG	2,190	9	19,710	0

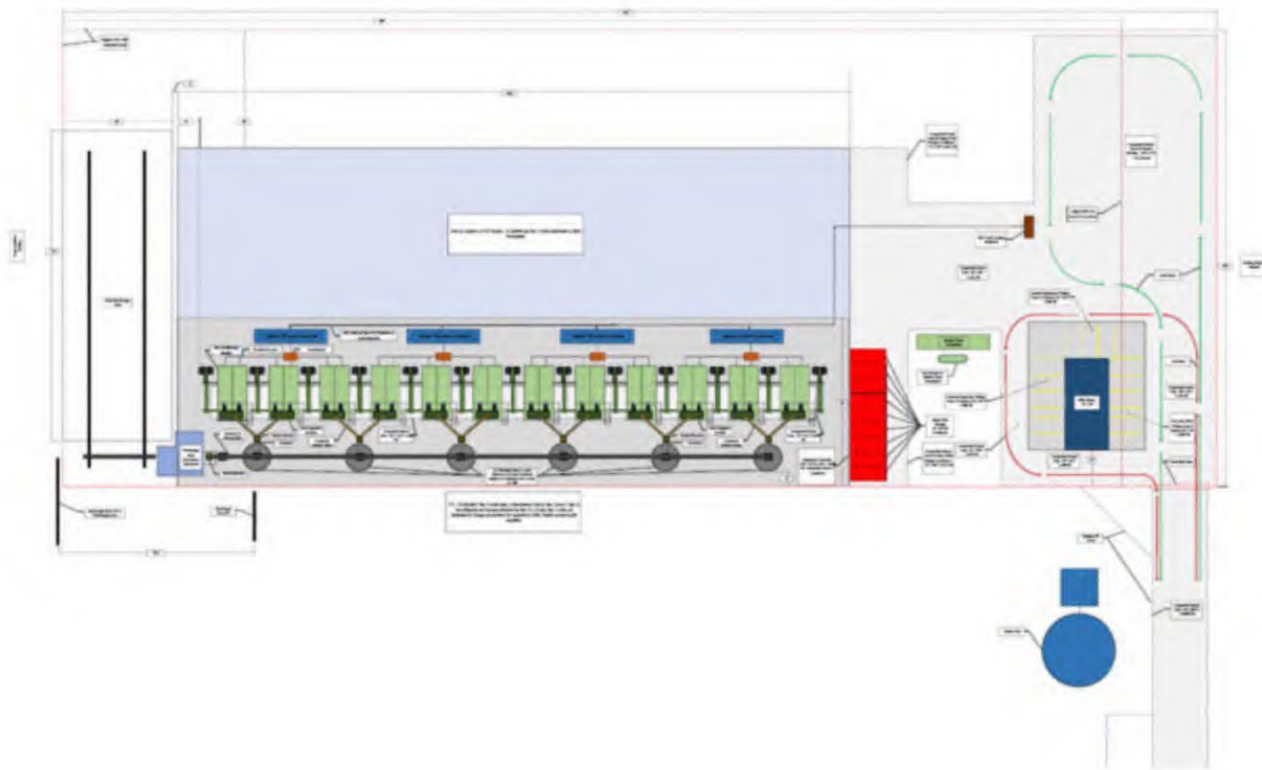
Table 2: Comparing truck trips of WWS vs RNG Electric Trucks

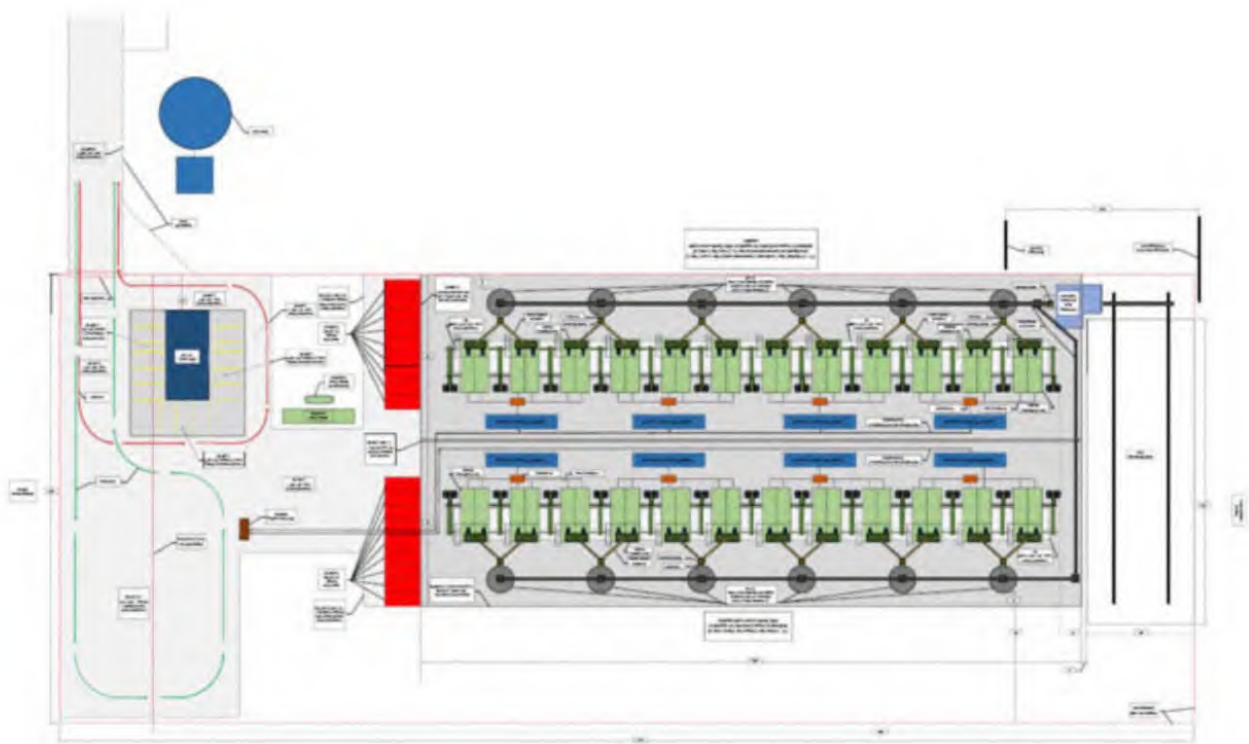
VI. OTHER PERMITS REQUIRED

Several agencies will be involved in the permitting and approval of the SynTech CF1 facility. A preliminary list of the agencies, and the permits and approvals required for the facilities, are summarized below.

PERMIT TYPE	AGENCY	TIMING TO PREPARE AND FILE	TIMING TO PROCESS AND APPROVE	DOCUMENTS	RESPONSIBILITY
Table 2- Permit Process					
NTP PERMITS					
Authority to Construct Air Permit (ATC)	Glenn County APCD	3-4 months	3-6 months	Project Operational Statement, GCAPCD Application, Air Emission Calculation Table, See Checklist	FCR
Conditional Use Permit*	County of Glenn (Lead Agency)	1 month		Project Operational Statement, Development Application, Environmental Review Checklist	FCR
CEQA Review - if Mitigated Negative Declaration (MND) Required		4-6 months	2-4 months	Initial Study, Site Drawings, Signage & Landscape Plan	FCR
CEQA Review -if Environmental Impact Report (EIR) Required		6-10 months	2-4 months	TBD	FCR
Solid Waste Permit	Glenn County Environmental Health	2-4 months	4-6 months	Application Package	FCR
Pipeline Interconnect Permit	PGE	6-8 months	3-4 months	TBD	FCR
Waste Discharge Requirement (WDR) Permit	North Coast Regional Water Quality Control Board	3-4 months	3-6 months	Form 200	FCR
EPC-CONSTRUCTION (Post Financing/Pre-Construction)					
Storm Water Pollution Prevention Control Permit	North Coast Regional Water Quality Control Board	<30 days after application	<30 days after application	Grading Plan and SWPP Plan, Application	FCR/EPC
Grading Permit	County of Glenn (Lead Agency)	<30 days after application	<30 days after application	Application, Grading Plan, SWPP, Inspection	FCR/EPC
Building Permit (can be split to foundation vs. building permits if needed)	County of Glenn, Fire Department	3-4 months	3-4 months	Application, Structural Drawings, Site Layout with fire protection systems	FCR/EPC

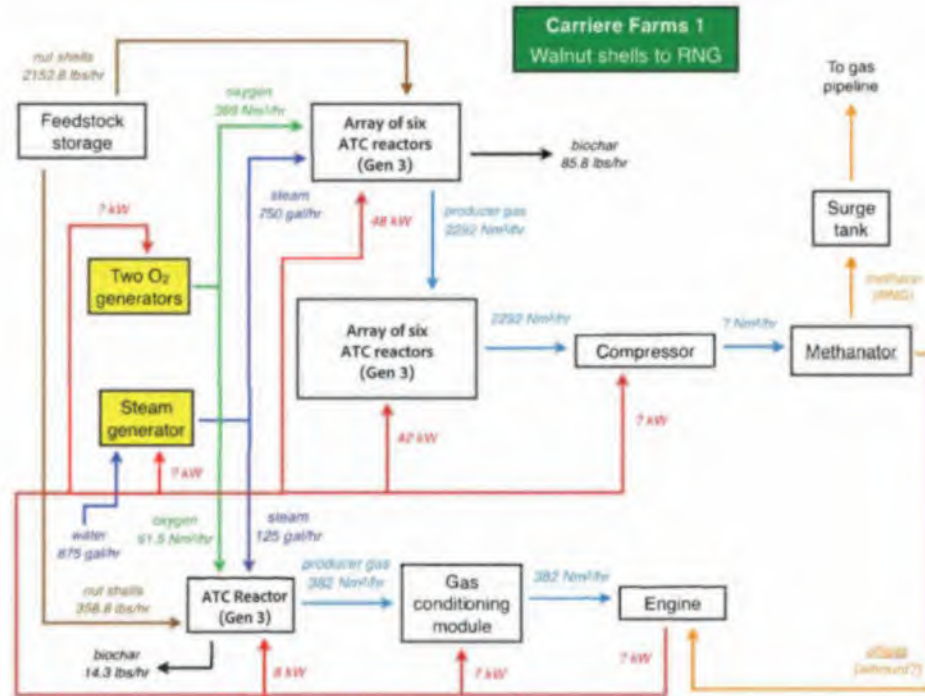
APPENDIX "A"
SITE LAYOUT CF1, PHASE 1





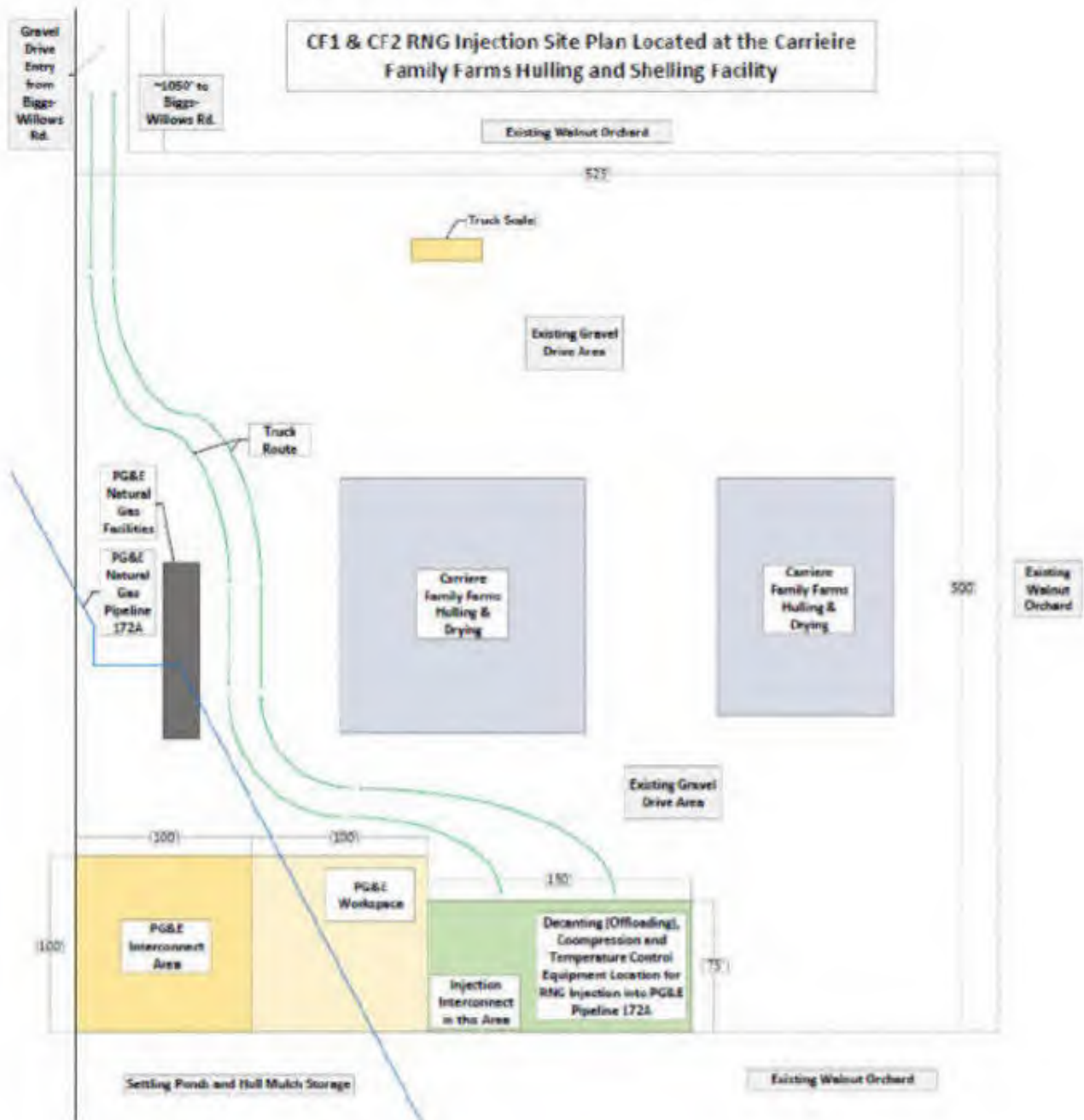
APPENDIX "B"
SITE LAYOUT CF2, PHASE 2

APPENDIX "C" ATC RNG PROCESS DIAGRAM



APPENDIX "D"

SITE PLAN



TIMIOS

PRELIMINARY REPORT

To:

CHICAGO TITLE COMPANY
2220 DOUGLAS BLVD., SUITE 190
ROSEVILLE, CA 95661
ATTN: KARISA D. LYKE

Title Officer:

TITLE OFFICER: RON CAMPBELL
TIMIOS TITLE
250 W. SYCAMORE ST.
WILLOWS, CA 95988
PHONE: (530) 934-3338

ESCROW NO: FSJP-6062400268

Property Address:

1640 STATE HIGHWAY 45
GLENN, CA, 95943-9649

Title No:

71-00241392

In response to the above referenced application for a policy of title insurance, this company hereby reports that it is prepared to issue, or cause to be issued, as of the date hereof, a policy or policies of title insurance describing the land and the estate or interest therein hereinafter set forth, insuring against loss which may be sustained by reason of any defect, lien or encumbrance not shown or referred to as an exception below or not excluded from coverage pursuant to the printed Schedules, Conditions and Stipulations of said Policy Forms.

The printed Exceptions and Exclusions from the coverage and Limitations on Covered Risks of said policy or policies are set forth in Exhibit A attached. The policy to be issued may contain an arbitration clause. When the Amount of Insurance is less than that set forth in the arbitration clause, all arbitrable matters shall be arbitrated at the option of either the Company or the Insured as the exclusive remedy of the parties. Limitations on Covered Risks applicable to the CLTA and ALTA Homeowner's Policies of Title Insurance which establish a Deductible Amount and a Maximum Dollar Limit of Liability for certain coverages are also set forth in Exhibit A. Copies of the policy forms should be read. They are available from the office which issued this report.

Please read the exceptions shown or referred to below and the exceptions and exclusions set forth in Exhibit A of this report carefully. The exceptions and exclusions are meant to provide you with notice of matters which are not covered under the terms of the title insurance policy and should be carefully considered.

It is important to note that this preliminary report is not a written representation as to the condition of title and may not list all liens, defects, and encumbrances affecting title to the land.

This report (and any supplements or amendments hereto) is issued solely for the purpose of facilitating the issuance of a policy of title insurance and no liability is assumed hereby. If it is desired that liability be assumed prior to the issuance of a policy of title insurance, a binder or commitment should be requested.

The form of Policy of title insurance contemplated by the report is:

ALTA STANDARD OWNER'S POLICY 2021

ALTA LOAN POLICY 2021

Issued by: FIRST AMERICAN TITLE INSURANCE COMPANY

Dated as of: Feb 23, 2024 at 8:00 a.m.

The Estate or Interest in the land hereinafter described or referred to covered by this report is:

A LEASEHOLD ESTATE

Title to said estate of interest at the date hereof is vested in:

CARRIERE LAND, LLC

At the date hereof exceptions to coverage in addition to the printed exceptions and exclusions contained in said policy form would be as follows:

1. PROPERTY TAXES, INCLUDING ANY ASSESSMENTS COLLECTED WITH TAXES, TO BE LEVIED FOR THE FISCAL YEAR 2024-2025 THAT ARE A LIEN NOT YET DUE.
2. PROPERTY TAXES AND ANY ASSESSMENTS COLLECTED WITH TAXES, FOR THE FISCAL YEAR 2023-2024.

1 ST INSTALLMENT:	\$3,827.26	PAID 12/08/2023
2 ND INSTALLMENT:	\$3,827.26	DUE 04/10/2024
ASSESSMENT NO.:	016-030-011-000	
1 ST INSTALLMENT:	\$3,294.42	PAID 12/08/2023
2 ND INSTALLMENT:	\$3,294.42	DUE 04/10/2024
ASSESSMENT NO.:	920-000-114-000	
FEE NO.:	016-030-011-000	
1 ST INSTALLMENT:	\$24,154.08	PAID 12/08/2023
2 ND INSTALLMENT:	\$24,154.08	DUE 04/10/2024
ASSESSMENT NO.:	920-000-115-000	
FEE NO.:	016-030-011-000	
1 ST INSTALLMENT:	\$16,684.97	PAID 12/08/2023
2 ND INSTALLMENT:	\$16,684.97	DUE 04/10/2024
ASSESSMENT NO.:	920-000-167-000	
FEE NO.:	016-030-011-000	
3. THE LIEN OF SUPPLEMENTAL OR ESCAPED ASSESSMENTS OF PROPERTY TAXES, IF ANY, MADE PURSUANT TO THE PROVISIONS OF PART 0.5, CHAPTER 3.5 OR PART 2, CHAPTER 3, ARTICLES 3 AND 4 RESPECTIVELY (COMMENCING WITH SECTION 75) OF THE REVENUE AND TAXATION CODE OF THE STATE OF CALIFORNIA AS A RESULT OF THE TRANSFER OF TITLE TO THE VESTEE NAMED IN SCHEDULE A; OR AS A RESULT OF CHANGES IN OWNERSHIP OR NEW CONSTRUCTION OCCURRING PRIOR TO THE DATE OF THE POLICY.
4. THE PROPERTY HEREIN DESCRIBED LIES WITHIN MAINTENANCE AREA NO. 2 AND IS SUBJECT TO ASSESSMENTS LEVIED IN CONNECTION THEREWITH. SUCH ASSESSMENTS ARE PAYABLE WITH COUNTY TAXES.
5. THE LAND HEREIN DESCRIBED LIES WITHIN THE BOUNDARIES OF SACRAMENTO-SAN JOAQUIN DRAINAGE DISTRICT AND IS SUBJECT TO ALL TAXES, ASSESSMENTS AND OBLIGATIONS THEREOF.
6. THE LAND HEREIN DESCRIBED LIES WITHIN THE BOUNDARIES OF RECLAMATION DISTRICT NO. 2047 AND IS SUBJECT TO ALL TAXES, ASSESSMENTS AND OBLIGATIONS THEREOF. ANY AND ALL ASSESSMENTS ARE COLLECTED WITH COUNTY TAXES.
7. RIGHT OF WAY AS SET FORTH IN DEED FROM N. W. HANSON AND BETHENA A. HANSON TO SACRAMENTO AND SAN JOAQUIN DRAINAGE DISTRICT, A PUBLIC AGENCY, DATED FEBRUARY 25, 1942 AND RECORDED JUNE 10, 1942 IN BOOK 149 OF OFFICIAL RECORDS, AT PAGE 291.
8. OIL AND GAS LEASE DATED DECEMBER 6, 1951 FROM MANUEL E. DIAS AND MARY E. DIAS, HIS WIFE TO THE OHIO OIL COMPANY, AN OHIO CORPORATION, RECORDED JANUARY 7, 1952 IN BOOK 271 OF OFFICIAL RECORDS, AT PAGE 327 AND RE-RECORDED DECEMBER 9, 1952 IN BOOK 281 OF OFFICIAL RECORDS, AT PAGE 224 TO INCLUDE ADDITIONAL PROPERTY.

THE PRESENT OWNERSHIP OF SAID LEASEHOLD AND OTHER MATTERS AFFECTING THE INTEREST OF THE LESSEE ARE NOT SHOWN HEREIN. (AFFECTS A PORTION)
9. EASEMENT TO CONSTRUCT, RECONSTRUCT, OPERATE, MAINTAIN, AND USE AN ACCESS ROAD AND APPURTENANCES THERETO AS GRANTED TO THE SACRAMENTO AND SAN JOAQUIN DRAINAGE DISTRICT, RECORDED JUNE 12, 1986 IN BOOK 795 OF OFFICIAL RECORDS, AT PAGE 135.
10. TERMS, EXCEPTIONS AND RESERVATIONS AS CONTAINED IN THE DEED FROM HERBERT A. CARRIERE ET

UX TO THE SACRAMENTO AND SAN JOAQUIN DRAINAGE DISTRICT, RECORDED JUNE 12, 1986 IN BOOK 795 OF OFFICIAL RECORDS, AT PAGE 135.

11. FARMLAND SECURITY ZONE CONTRACT RESOLUTION NO. 2000-144, BY AND BETWEEN AILEEN R. CARRIERE, INDIVIDUALLY AND AS EXECUTOR OF THE ESTATE OF HERBERT A. CARRIERE AND COUNTY OF GLENN, A POLITICAL SUBDIVISION OF THE STATE OF CALIFORNIA, DATED DECEMBER 5, 2000, RECORDED DECEMBER 12, 2000, GLENN COUNTY RECORDER'S FILE NO. 2000-6527.
12. OIL AND GAS LEASE MEMORANDUM UPON THE TERMS, COVENANTS AND CONDITIONS CONTAINED IN AN UNRECORDED LEASE REFERRED TO THEREIN DATED SEPTEMBER 1, 2006, RECORDED DECEMBER 20, 2007, GLENN COUNTY RECORDER'S FILE NO. 2007-7725.

LESSOR: AILEEN R. CARRIERE, TRUSTEE OF THE AILEEN R. CARRIERE TRUST DATED JANUARY 12, 2001; AILEEN R. CARRIERE, TRUSTEE OF THE HERBERT A. CARRIERE TRUST, DATED JANUARY 5, 2001
LESSEE: VENOCO INC., A DELAWARE CORPORATION

THE PRESENT OWNERSHIP OF SAID LEASEHOLD AND OTHER MATTERS AFFECTING THE INTEREST OF THE LESSEE ARE NOT SHOWN HEREIN.

13. RESERVATION OF ANY AND ALL OIL, GAS, MINERALS, AND OTHER HYDROCARBON SUBSTANCES TOGETHER WITH THE RIGHT TO REMOVE THE SAME, AS RESERVED IN THE DEED BY AILEEN R. CARRIERE, AS TRUSTEE OF THE HERBERT A. CARRIERE TRUST AND AILEEN R. CARRIERE, AS TRUSTEE OFF THE AILEEN R. CARRIERE TRUST, RECORDED SEPTEMBER 12, 2012 AS INSTRUMENT NO. 2012-3777
14. A DEED OF TRUST TO SECURE AN INDEBTEDNESS IN THE ORIGINAL AMOUNT SHOWN BELOW.

AMOUNT: \$3,000,000.00
DATED: DECEMBER 14, 2017
TRUSTOR: CARRIERE LAND, LLC, A CALIFORNIA LIMITED LIABILITY COMPANY ET AL
TRUSTEE: GOLDEN STATE FARM CREDIT, PCA
BENEFICIARY: GOLDEN STATE FARM CREDIT, PCA
RECORDED: JANUARY 13, 2021 AS INSTRUMENT NO. 2021-0184 OF OFFICIAL RECORDS
(ALSO COVERS OTHER PROPERTY)

A DOCUMENT RECORDED SEPTEMBER 29, 2021 AS INSTRUMENT NO. 2021-4405 OF OFFICIAL RECORDS PROVIDES THAT THE DEED OF TRUST OR THE OBLIGATION SECURED THEREBY HAS BEEN MODIFIED.

A DOCUMENT RECORDED DECEMBER 29, 2022 AS GLENN COUNTY INSTRUMENT NO. 2022-4978 OF OFFICIAL RECORDS PROVIDES THAT THE LIEN OR CHARGE OF THE DEED OF TRUST WAS SUBORDINATED TO THE LIEN OR CHARGE OF THE DEED OF TRUST RECORDED JANUARY 13, 2021 AS INSTRUMENT NO. 2021-0184 AND MODIFIED SEPTEMBER 29, 2021 AS GLENN COUNTY INSTRUMENT NO. 2021-4405 AND MODIFIED DECEMBER 29, 2022 AS GLENN COUNTY INSTRUMENT NO. 2022-4975 OF OFFICIAL RECORDS

15. A DEED OF TRUST TO SECURE AN INDEBTEDNESS IN THE ORIGINAL AMOUNT SHOWN BELOW.

AMOUNT: \$42,891,398.17
DATED: DECEMBER 14, 2020
TRUSTOR: CARRIERE LAND, LLC, A CALIFORNIA LIMITED LIABILITY COMPANY ET AL
TRUSTEE: GOLDEN STATE FARM CREDIT, FLCA
BENEFICIARY: GOLDEN STATE FARM CREDIT, FLCA
RECORDED: JANUARY 13, 2021 AS INSTRUMENT NO. 2021-0183 OFFICIAL RECORDS
(ALSO COVERS OTHER PROPERTY)

A DOCUMENT DISCLOSING AN ADDITIONAL ADVANCE IN THE AMOUNT OF \$15,500,000.00, RECORDED SEPTEMBER 20, 2021 AS INSTRUMENT NO. 2021-4267 OF OFFICIAL RECORDS.

A DOCUMENT DISCLOSING AN ADDITIONAL ADVANCE IN THE AMOUNT OF \$7,000,000.00, RECORDED DECEMBER 29, 2022 AS INSTRUMENT NO. 2022-4975 OF OFFICIAL RECORDS.

16. RIGHTS AND CLAIMS OF PARTIES IN POSSESSION.

17. WATER RIGHTS, CLAIMS OR TITLE TO WATER, WHETHER OR NOT THE MATTERS ARE SHOWN BY THE PUBLIC RECORDS.

18. EVIDENCE MUST BE PROVIDED THAT THERE ARE NO COMMITMENT STATEMENTS IN EFFECT UNDER CIVIL CODE SECTION 850 ET SEQ. WITH RESPECT TO THE PROPERTY.

IN ORDER TO REMOVE THIS STATEMENT, THE LANDOWNER WILL NEED TO PROVIDE US WITH AN AFFIDAVIT STATING THAT THEY ARE NOT AWARE OF ANY RELEASE REPORTS OR COMMITMENT STATEMENTS WHICH HAVE BEEN ISSUED UNDER THIS STATUTE WITH RESPECT TO THE PROPERTY.

19. ANY CLAIM THAT THE TITLE IS SUBJECT TO A TRUST OR LIEN CREATED UNDER THE PERISHABLE AGRICULTURAL COMMODITIES ACT (7 U.S.C. 499A, ET SEQ), THE PACKERS AND STOCKYARDS ACT (7 U.S.C. 181, ET SEQ) OR UNDER SIMILAR FEDERAL OR STATE LAWS.

20. THE REQUIREMENT THAT A MEMORANDUM OF LEASE BE RECORDED IN THE PUBLIC RECORDS.

21. NOTE: THE LEGAL DESCRIPTION CONTAINED HEREIN IS FOR THE PURPOSE OF A LEASEHOLD ESTATE AND MAY NOT BE USED AS A LEGAL PARCEL FOR THE PURPOSE OF A SALE.

22. WITH RESPECT TO CARRIERE LAND, LLC, A LIMITED LIABILITY COMPANY:

A. A COPY OF ITS OPERATING AGREEMENT AND ANY AMENDMENTS THERETO;

B. IF IT IS A CALIFORNIA LIMITED LIABILITY COMPANY, THAT A CERTIFIED COPY OF ITS ARTICLES OF ORGANIZATION (LLC-1) AND ANY CERTIFICATE OF CORRECTION (LLC-11), CERTIFICATE OF AMENDMENT (LLC-2), OR RESTATEMENT OF ARTICLES OF ORGANIZATION (LLC-10) BE RECORDED IN THE PUBLIC RECORDS;

C. IF IT IS A FOREIGN LIMITED LIABILITY COMPANY, THAT A CERTIFIED COPY OF ITS APPLICATION FOR REGISTRATION (LLC-5) BE RECORDED IN THE PUBLIC RECORDS;

D. WITH RESPECT TO ANY DEED, DEED OF TRUST, LEASE, SUBORDINATION AGREEMENT OR OTHER DOCUMENT OR INSTRUMENT EXECUTED BY SUCH LIMITED LIABILITY COMPANY AND PRESENTED FOR RECORDATION BY THE COMPANY OR UPON WHICH THE COMPANY IS ASKED TO RELY, THAT SUCH DOCUMENT OR INSTRUMENT BE EXECUTED IN ACCORDANCE WITH ONE OF THE FOLLOWING, AS APPROPRIATE:

(I) IF THE LIMITED LIABILITY COMPANY PROPERLY OPERATES THROUGH OFFICERS APPOINTED OR ELECTED PURSUANT TO THE TERMS OF A WRITTEN OPERATING AGREEMENT, SUCH DOCUMENT MUST BE EXECUTED BY AT LEAST TWO DULY ELECTED OR APPOINTED OFFICERS, AS FOLLOWS: THE CHAIRMAN OF THE BOARD, THE PRESIDENT OR ANY VICE PRESIDENT, AND ANY SECRETARY, ASSISTANT SECRETARY, THE CHIEF FINANCIAL OFFICER OR ANY ASSISTANT TREASURER;

(II) IF THE LIMITED LIABILITY COMPANY PROPERLY OPERATES THROUGH A MANAGER OR MANAGERS IDENTIFIED IN THE ARTICLES OF ORGANIZATION AND/OR DULY ELECTED PURSUANT TO THE TERMS OF A WRITTEN OPERATING AGREEMENT, SUCH DOCUMENT MUST BE EXECUTED BY AT LEAST TWO SUCH MANAGERS OR BY ONE MANAGER IF THE LIMITED LIABILITY COMPANY PROPERLY OPERATES WITH THE EXISTENCE OF ONLY ONE MANAGER.

E. OTHER REQUIREMENTS WHICH THE COMPANY MAY IMPOSE FOLLOWING ITS REVIEW OF THE MATERIAL REQUIRED HEREIN AND OTHER INFORMATION WHICH THE COMPANY MAY REQUIRE

NOTICE

Section 12413.1 of the California Insurance Code, effective January 1, 1990, requires that any title insurance company, underwritten title company, or controlled escrow company handling funds in an escrow or sub-escrow capacity, wait a specified number of days after depositing funds, before recording any documents in connection with the transaction or disbursing funds. This statute allows for funds deposited by wire transfer to be disbursed the same day as deposit. In the case of cashier's checks or certified checks, funds may be disbursed the next day after deposit. In order to avoid unnecessary delays of three to seven days, or more, please use wire transfer, cashier's checks, or certified checks whenever possible.

NOTES:

- A. THE POLICY TO BE ISSUED MAY CONTAIN AN ARBITRATION CLAUSE. WHEN THE AMOUNT OF INSURANCE IS LESS THAN THE CERTAIN DOLLAR AMOUNT SET FORTH IN ANY APPLICABLE ARBITRATION CLAUSE, ALL ARBITRABLE MATTERS SHALL BE ARBITRATED AT THE OPTION OF EITHER THE COMPANY OR THE INSURED AS THE EXCLUSIVE REMEDY OF THE PARTIES. IF YOU DESIRE TO REVIEW THE TERMS OF THE POLICY, INCLUDING ANY ARBITRATION CLAUSE THAT MAY BE INCLUDED, CONTACT THE OFFICE THAT ISSUED THIS COMMITMENT OR REPORT TO OBTAIN A SAMPLE OF THE POLICY JACKET FOR THE POLICY THAT IS TO BE ISSUED IN CONNECTION WITH YOUR TRANSACTION.**

LEGAL DESCRIPTION

ALL THAT CERTAIN REAL PROPERTY SITUATE LYING IN THE UNINCORPORATED AREA, COUNTY OF GLENN, STATE OF CALIFORNIA, BEING DESCRIBED AS FOLLOWS:

All that certain real property situated in the County of Glenn, State of California, described as follows: Being a portion of Section 68 as shown on that certain map entitled "Subdivisions of the Glenn Ranch", Glenn County, California, surveyed by H.B. Shackelford, and on file in Book 1 of Maps and Surveys, at Page 110, records of said County of Glenn; also being a portion of Parcel I, as said Parcel I is described in Official Records Document 2012-3777, records of said County of Glenn, more particularly described as follows,

Parcel One (lease area): COMMENCING at a point on the North line of the Southeast quarter of Section 68 of said Subdivisions of the Glenn Ranch, said point being marked by a 1 1/2" iron pipe, as shown on Book 15 of Maps and Surveys, Page 62, records of said County of Glenn, thence along said North line, South 89° 59' 25" East, 261.35 feet; thence leaving said North line, South 00° 16' 27" West, 7.79 feet, to the True Point of Beginning; thence South 89° 43' 33" East, 652.55 feet; thence South 00° 16' 27" West, 250.00 feet, to a point hereinafter referred to as "Point A"; thence North 89° 43' 33" West, 65.00 feet, to a point hereinafter referred to as "Point B" thence continuing North 89° 43' 33" West, 587.55 feet; thence North 00° 16' 27" East, 250.00 feet, more or less, to the True Point of Beginning. Containing 3.75 acres, more or less.

Parcel Two (easement area): Being a non-exclusive easement for ingress and egress, for road purposes, and the installation, operation and maintenance of a low-pressure gas line, more particularly described as follows; Beginning at the hereinabove described "Point A", thence South 00° 00' 18" West, 503.72 feet, to the beginning of a curve to the right; thence along said curve having a radius of 220.00 feet, through a central angle of 30° 00' 00", for an arc length of 115.19 feet to the end of said curve and the beginning of a curve to the left; thence along said curve having a radius of 190.00 feet, through a central angle of 29° 32' 00", for an arc length of 97.94 feet to the end of said curve; thence South 00° 28' 18" West, 348.39 feet, more or less to a point on the centerline of Glenn County Road 54; thence along said centerline, North 89° 59' 55" West, 30.00 feet; thence leaving said centerline, North 00° 28' 18" East, 348.63 feet, to the beginning of a curve to the right; thence along said curve having a radius of 220.00 feet, through a central angle of 29° 32' 00", for an arc length of 113.40 feet, to the end of said curve and the beginning of a curve to the left; thence along said curve having a radius of 190.00 feet, through a central angle of 30° 00' 00", for an arc length of 99.48 feet to the end of said curve; thence North 00° 00' 18" East, 473.98; thence North 49° 21' 20" West, 46.12 feet, more or less, to "Point B", described hereinabove; thence South 89° 43' 33" East, 65.00 feet, to "Point A", described hereinabove.

EXHIBIT A
LIST OF PRINTED EXCEPTIONS AND EXCLUSIONS (BY POLICY TYPE)
CLTA/ALTA HOMEOWNER'S POLICY OF TITLE INSURANCE (02-03-10)
EXCLUSIONS

In addition to the Exceptions in Schedule B, You are not insured against loss, costs, attorneys' fees, and expenses resulting from:

1. Governmental police power, and the existence or violation of those portions of any law or government regulation concerning:
 - (a) building;
 - (b) zoning;
 - (c) land use;
 - (d) improvements on the Land;
 - (e) land division; and
 - (f) environmental protection.This Exclusion does not limit the coverage described in Covered Risk 8.a., 14, 15, 16, 18, 19, 20, 23 or 27.
2. The failure of Your existing structures, or any part of them, to be constructed in accordance with applicable building codes. This Exclusion does not limit the coverage described in Covered Risk 14 or 15.
3. The right to take the Land by condemning it. This Exclusion does not limit the coverage described in Covered Risk 17.
4. Risks:
 - (a) that are created, allowed, or agreed to by You, whether or not they are recorded in the Public Records;
 - (b) that are Known to You at the Policy Date, but not to Us, unless they are recorded in the Public Records at the Policy Date;
 - (c) that result in no loss to You; or
 - (d) that first occur after the Policy Date - this does not limit the coverage described in Covered Risk 7, 8.e., 25, 26, 27 or 28.
5. Failure to pay value for Your Title.
6. Lack of a right:
 - (a) to any land outside the area specifically described and referred to in paragraph 3 of Schedule A; and
 - (b) in streets, alleys, or waterways that touch the Land.This Exclusion does not limit the coverage described in Covered Risk 11 or 21.
7. The transfer of the Title to You is invalid as a preferential transfer or as a fraudulent transfer or conveyance under federal bankruptcy, state insolvency, or similar creditors' rights laws.

LIMITATIONS ON COVERED RISKS

Your insurance for the following Covered Risks is limited on the Owner's Coverage Statement as follows: For Covered Risk 16, 18, 19, and 21 Your Deductible Amount and Our Maximum Dollar Limit of Liability shown in Schedule A.

<u>Your Deductible Amount</u>	<u>Our Maximum Dollar Limit of Liability</u>
Covered Risk 16: 1% of Policy Amount or \$2,500.00 (whichever is less)	\$10,000.00
Covered Risk 18: 1% of Policy Amount or \$5,000.00 (whichever is less)	\$25,000.00
Covered Risk 19: 1% of Policy Amount or \$5,000.00 (whichever is less)	\$25,000.00
Covered Risk 21: 1% of Policy Amount or \$2,500.00 (whichever is less)	\$5,000.00

ALTA RESIDENTIAL TITLE INSURANCE POLICY (6-1-87)
EXCLUSIONS

In addition to the Exceptions in Schedule B, you are not insured against loss, costs, attorneys' fees, and expenses resulting from:

1. Governmental police power, and the existence or violation of any law or government regulation. This includes building and zoning ordinances and also laws and regulations concerning:
 - (a) and use
 - (b) improvements on the land
 - (c) and division
 - (d) environmental protectionThis exclusion does not apply to violations or the enforcement of these matters which appear in the public records at Policy Date. This exclusion does not limit the zoning coverage described in Items 12 and 13 of Covered Title Risks.
2. The right to take the land by condemning it, unless:
 - (a) a notice of exercising the right appears in the public records on the Policy Date
 - (b) the taking happened prior to the Policy Date and is binding on you if you bought the land without knowing of the taking
3. Title Risks:
 - (a) that are created, allowed, or agreed to by you
 - (b) that are known to you, but not to us, on the Policy Date -- unless they appeared in the public records
 - (c) that result in no loss to you
 - (d) that first affect your title after the Policy Date -- this does not limit the labor and material lien coverage in Item 8 of Covered Title Risks
4. Failure to pay value for your title.
5. Lack of a right:
 - (a) to any land outside the area specifically described and referred to in Item 3 of Schedule A OR
 - (b) in streets, alleys, or waterways that touch your landThis exclusion does not limit the access coverage in Item 5 of Covered Title Risks.

2006 ALTA LOAN POLICY (06-17-06)
EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - (i) the occupancy, use, or enjoyment of the Land;
 - (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection;or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
- (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 13, or 14); or
 - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing-business laws of the state where the Land is situated.
5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury or any consumer credit protection or truth-in-lending law.
6. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is
 - (a) a fraudulent conveyance or fraudulent transfer, or
 - (b) a preferential transfer for any reason not stated in Covered Risk 13(b) of this policy.
7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the Insured Mortgage in the Public Records. This Exclusion does not modify or limit the coverage provided under Covered Risk 11(b).

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

EXCEPTIONS FROM COVERAGE

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) that arise by reason of:

1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
2. Any facts, rights, interests, or claims that are not shown by the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and not shown by the Public Records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.
6. Any lien or right to a lien for services, labor or material not shown by the public records.

2006 ALTA OWNER'S POLICY (06-17-06)
EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - (i) the occupancy, use, or enjoyment of the Land;
 - (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection;or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
- (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters

- (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 9 or 10); or
 - (e) in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Title.
4. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction vesting the Title as shown in Schedule A, is
- (a) a fraudulent conveyance or fraudulent transfer, or
 - (b) a preferential transfer for any reason not stated in Covered Risk 9 of this policy.
5. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the deed or other instrument of transfer in the Public Records that vests Title as shown in Schedule A.

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

EXCEPTIONS FROM COVERAGE

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) that arise by reason of:

- 1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
- 2. Any facts, rights, interests, or claims that are not shown by the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
- 3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
- 4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and not shown by the Public Records.
- 5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.
- 6. Any lien or right to a lien for services, labor or material not shown by the public records.

ALTA EXPANDED COVERAGE RESIDENTIAL LOAN POLICY (07-26-10) EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

- 1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - (i) the occupancy, use, or enjoyment of the Land;
 - (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection;
 or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5, 6, 13(c), 13(d), 14 or 16.
 - (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 5, 6, 13(c), 13(d), 14 or 16.
- 2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
- 3. Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27 or 28); or
 - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
- 4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing-business laws of the state where the Land is situated.
- 5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury or any consumer credit protection or truth-in-lending law. This Exclusion does not modify or limit the coverage provided in Covered Risk 26.
- 6. Any claim of invalidity, unenforceability or lack of priority of the lien of the Insured Mortgage as to Advances or modifications made after the Insured has Knowledge that the vestee shown in Schedule A is no longer the owner of the estate or interest covered by this policy. This Exclusion does not modify or limit the coverage provided in Covered Risk 11.
- 7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching subsequent to Date of Policy. This Exclusion does not modify or limit the coverage provided in Covered Risk 11(b) or 25.
- 8. The failure of the residential structure, or any portion of it, to have been constructed before, on or after Date of Policy in accordance with applicable building codes. This Exclusion does not modify or limit the coverage provided in Covered Risk 5 or 6.

9. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is
 - (a) a fraudulent conveyance or fraudulent transfer, or
 - (b) a preferential transfer for any reason not stated in Covered Risk 27(b) of this policy.

CALIFORNIA LAND TITLE ASSOCIATION STANDARD COVERAGE POLICY – 1990
SCHEDULE B

EXCEPTIONS FROM COVERAGE

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) which arise by reason of:

1. Taxes or assessments which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the public records. Proceedings by a public agency which may result in taxes or assessments, or notice of such proceedings, whether or not shown by the records of such agency or by the public records.
2. Any facts, rights, interest, or claims which are not shown by the public records but which could be ascertained by an inspection of the land or which may be asserted by persons in possession thereof.
3. Easements, liens or encumbrances, or claims thereof, which are not shown by the public records.
4. Discrepancies, conflicts in boundary lines, shortage in area, encroachments, or any other facts which a correct survey would disclose, and which are not shown by the public records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the public records.
6. Any lien or right to a lien for services, labor or material not shown by the public records.

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorneys' fees or expenses which arise by reason of:

1.
 - (a) Any law, ordinance or governmental regulation (including but not limited to building and zoning laws, ordinances, or regulations) restricting, regulating, prohibiting or relating to (i) the occupancy, use, or enjoyment of the land; (ii) the character, dimensions or location of any improvement now or hereafter erected on the land; (iii) a separation in ownership or change in the dimensions or area of the land or any parcel of which the land is or was a part; or (iv) environmental protection, or the effect of any violation of these laws, ordinances or governmental regulations, except to the extent that a notice of the enforcement thereof or a notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
 - (b) Any governmental police power not excluded by (a) above, except to the extent that a notice of the exercise thereof or a notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
2. Rights of eminent domain unless notice of the exercise thereof has been recorded in the public records at Date of Policy, but not excluding from coverage any taking which has occurred prior to Date of Policy which would be binding on the rights of a purchaser for value without knowledge.
3. Defects, liens, encumbrances, adverse claims or other matters:
 - (a) whether or not recorded in public records at Date of Policy, but created, suffered, assumed or agreed to by the insured claimant;
 - (b) not known to the Company, not recorded in public records at Date of Policy, but known to the insured claimant and not disclosed in writing to the Company by the insured claimant prior to the date the insured claimant became an insured under this policy;
 - (c) resulting in no loss or damage to the insured claimant;
 - (d) attaching or created subsequent to Date of Policy; or
 - (e) resulting in loss or damage which would not have been sustained if the insured claimant had paid value for the insured mortgage or for the estate or interest insured by this policy.
4. Unenforceability of the lien of the insured mortgage because of the inability or failure of the insured at Date of Policy, or the inability or failure of any subsequent owner of the indebtedness, to comply with applicable "doing business" laws of the state in which the land is situated.
5. Invalidity or unenforceability of the lien of the insured mortgage, or claim thereof, which arises out of the transaction evidenced by the insured mortgage and is based upon usury or any consumer credit protection or truth in lending law.
6. Any claim which arises out of the transaction vesting in the insured the estate or interest insured by their policy or the transaction creating the interest of the insured lender, by reason of the operation of federal bankruptcy, state of insolvency or similar creditors' rights laws.

PRIVACY INFORMATION

We Are Committed to Safeguarding Customer Information

In order to better serve your needs now and in the future, we may ask you to provide us with certain information. We understand that you may be concerned about what we will do with such information. We agree that you have right to know how we will utilize the personal information you provide to us. Therefore, together with our subsidiaries we have adopted this Privacy Policy to govern the use and handling of your personal information.

Applicability

This Privacy Policy governs our use of the information that you provide to us. It does not govern the manner in which we may use information we have obtained from any other sources, such as information obtained from a public record or from another person or entity. First American has also adopted broader guidelines that govern our use of personal information regardless of its source. First American calls these guidelines its Fair Information Values.

Types of Information

Depending upon which of our services you are utilizing, the types of nonpublic personal information that we may collect include:

- Information we receive from you on applications, forms and in other communications to us, whether in writing, in person, by telephone or any other means;
- Information about your transactions with us, our affiliated companies, or others; and
- Information we receive from a consumer reporting agency.

Use of Information

We request information from you for our own legitimate business purposes and not for the benefit of any nonaffiliated party. Therefore, we will not release your information to nonaffiliated parties except: (1) as necessary for us to provide the product or service you have requested of us; or (2) as permitted by law. We may, however, store such information indefinitely, including the period after which any customer relationship has ceased. Such information may be used for any internal purpose, such as quality control efforts or customer analysis. We may also provide all of the types of nonpublic personal information listed above to one or more of our affiliated companies. Such affiliated companies include financial service providers, such as title insurers, property and casualty insurers, and trust and investment advisory companies, or companies involved in real estate services, such as appraisal companies, home warranty companies and escrow companies. Furthermore, we may also provide all the information we collect, as described above, to companies that perform marketing services on our behalf, on behalf of our affiliated companies or to other financial institutions with whom we or our affiliated companies have joint marketing agreements.

Former Customers

Even if you are no longer our customer, our Privacy Policy will continue to apply to you.

Confidentiality and Security

We will use our best efforts to ensure that no unauthorized parties have access to any of our information. We restrict access to nonpublic personal information about you to those individuals and entities who need to know that information to provide products or services to you. We will use our best efforts to train and oversee our employees and agents to ensure that your information will be handled responsibly and in accordance with this Privacy Policy and First American's Fair Information Values. We currently maintain physical, electronic, and procedural safeguards that comply with federal regulations to guard your nonpublic personal information.

Information Obtained Through Our Web Site

Business Relationships

First American Financial Corporation's site and its affiliates' sites may contain links to other Web sites. While we try to link only to sites that share our high standards and respect for privacy, we are not responsible for the content or the privacy practices employed by other sites.

Cookies

Some of First American's Web site may make use of "cookie" technology to measure site activity and to customize information to your personal tastes. A cookie is an element of data that a Web site can send to your browser, which may then store the cookie on your hard drive.

FirstAm.com uses stored cookies. The goal of this technology is to better serve you when visiting our site, save you time when you are here and to provide you with a more meaningful and productive Web site experience.

Fair Information Values

Fairness We consider consumer expectations about their privacy in all our businesses. We only offer products and services that assure a favorable balance between consumer benefits and consumer privacy.

Public Record We believe that an open public record creates significant value for society, enhances consumer choice and creates consumer opportunity. We actively support an open public record and emphasize its importance and contribution to our economy.

Use We believe we should behave responsibly when we use information about a consumer in our business. We will obey the laws governing the collection, use and dissemination of data.

Accuracy We will take reasonable steps to help assure the accuracy of the data we collect, use and disseminate. Where possible, we will take reasonable steps to correct inaccurate information. When, as with the public record, we cannot correct inaccurate information, we will take all reasonable steps to assist consumers in identifying the source of the erroneous data so that the consumer can secure the required corrections.

Education We endeavor to educate the users of our products and services, our employees and others in our industry about the importance of consumer privacy. We will instruct our employees on our fair information values and on the responsible collection and use of data. We will encourage others in our industry to collect and use information in a responsible manner.

Security We will maintain appropriate facilities and systems to protect against unauthorized access to and corruption of the data we maintain.

The map attached, if any, may or may not be a survey of the land depicted hereon. Timios Title and it's Underwriters expressly disclaims any liability for loss or damage which may result from reliance on this map except to the extent coverage for such loss or damage is expressly provided by the terms and provisions of the title insurance policy, if any, to which this map is attached.

MAP





PRELIMINARY REPORT

To:

CHICAGO TITLE COMPANY
2220 DOUGLAS BLVD, SUITE 190
ROSEVILLE, CA 95661
ATTN: KARISA D. LYKE

Title Officer:

TITLE OFFICER: RON CAMPBELL
TIMIOS TITLE
250 W. SYCAMORE ST.
WILLOWS, CA 95988
PHONE: (530) 934-3338

ESCROW NO: 71-00243599

Property Address:

7693 HIGHWAY 162
WILLOWS, CA, 95988

Title No:

71-00243598

In response to the above referenced application for a policy of title insurance, this company hereby reports that it is prepared to issue, or cause to be issued, as of the date hereof, a policy or policies of title insurance describing the land and the estate or interest therein hereinafter set forth, insuring against loss which may be sustained by reason of any defect, lien or encumbrance not shown or referred to as an exception below or not excluded from coverage pursuant to the printed Schedules, Conditions and Stipulations of said Policy Forms.

The printed Exceptions and Exclusions from the coverage and Limitations on Covered Risks of said policy or policies are set forth in Exhibit A attached. The policy to be issued may contain an arbitration clause. When the Amount of Insurance is less than that set forth in the arbitration clause, all arbitrable matters shall be arbitrated at the option of either the Company or the Insured as the exclusive remedy of the parties. Limitations on Covered Risks applicable to the CLTA and ALTA Homeowner's Policies of Title Insurance which establish a Deductible Amount and a Maximum Dollar Limit of Liability for certain coverages are also set forth in Exhibit A. Copies of the policy forms should be read. They are available from the office which issued this report.

Please read the exceptions shown or referred to below and the exceptions and exclusions set forth in Exhibit A of this report carefully. The exceptions and exclusions are meant to provide you with notice of matters which are not covered under the terms of the title insurance policy and should be carefully considered.

It is important to note that this preliminary report is not a written representation as to the condition of title and may not list all liens, defects, and encumbrances affecting title to the land.

This report (and any supplements or amendments hereto) is issued solely for the purpose of facilitating the issuance of a policy of title insurance and no liability is assumed hereby. If it is desired that liability be assumed prior to the issuance of a policy of title insurance, a binder or commitment should be requested.

The form of Policy of title insurance contemplated by the report is:

ALTA STANDARD OWNER'S POLICY 2021

ALTA LOAN POLICY 2021

Issued by: FIDELITY NATIONAL TITLE INSURANCE COMPANY

Dated as of: Oct 25, 2024 at 8:00 a.m.

The Estate or Interest in the land hereinafter described or referred to covered by this report is:

A LEASEHOLD

Title to said estate of interest at the date hereof is vested in:

CARRIERE LAND, LLC, A LIMITED LIABILITY COMPANY

At the date hereof exceptions to coverage in addition to the printed exceptions and exclusions contained in said policy form would be as follows:

1. PROPERTY TAXES AND ANY ASSESSMENTS COLLECTED WITH TAXES, FOR THE FISCAL YEAR 2024-2025.

1 ST INSTALLMENT:	\$1,498.49	DUE 12/10/2024
2 ND INSTALLMENT:	\$1,498.49	DUE 04/10/2025
ASSESSMENT NO.:	016-090-016-000	
1 ST INSTALLMENT:	\$11,145.36	DUE 12/10/2024
2 ND INSTALLMENT:	\$11,145.36	DUE 04/10/2025
ASSESSMENT NO.:	920-000-187-000	
FEE NO.:	016-090-016-000	
1 ST INSTALLMENT:	\$222.98	DUE 12/10/2024
2 ND INSTALLMENT:	\$222.98	DUE 04/10/2025
ASSESSMENT NO.:	016-090-017-000	
1 ST INSTALLMENT:	\$567.24	DUE 12/10/2024
2 ND INSTALLMENT:	\$567.24	DUE 04/10/2025
ASSESSMENT NO.:	920-000-188-000	
FEE NO.:	016-090-017-000	
2. THE LIEN OF SUPPLEMENTAL OR ESCAPED ASSESSMENTS OF PROPERTY TAXES, IF ANY, MADE PURSUANT TO THE PROVISIONS OF PART 0.5, CHAPTER 3.5 OR PART 2, CHAPTER 3, ARTICLES 3 AND 4 RESPECTIVELY (COMMENCING WITH SECTION 75) OF THE REVENUE AND TAXATION CODE OF THE STATE OF CALIFORNIA AS A RESULT OF THE TRANSFER OF TITLE TO THE VESTEE NAMED IN SCHEDULE A; OR AS A RESULT OF CHANGES IN OWNERSHIP OR NEW CONSTRUCTION OCCURRING PRIOR TO THE DATE OF THE POLICY.
3. THE PROPERTY HEREIN DESCRIBED LIES WITHIN MAINTENANCE AREA NO. 2 AND IS SUBJECT TO ALL ASSESSMENTS LEVIED IN CONNECTION THEREWITH. SUCH ASSESSMENTS ARE PAYABLE WITH COUNTY TAXES.
4. THE LAND HEREIN DESCRIBED LIES WITHIN THE BOUNDARIES OF RECLAMATION DISTRICT NO. 2047 AND IS SUBJECT TO ALL TAXES, ASSESSMENTS AND OBLIGATIONS THEREOF. ANY AND ALL ASSESSMENTS ARE COLLECTED WITH COUNTY TAXES.
5. THE HEREIN DESCRIBED PROPERTY LIES WITHIN THE BOUNDARIES OF THE PROVIDENT IRRIGATION DISTRICT AND IS SUBJECT TO ALL TAXES, ASSESSMENTS AND OBLIGATIONS THEREOF.
6. ROAD RESERVATION AS SET FORTH IN DEED FROM N. D. RIDEOUT, ADMINISTRATOR OF THE ESTATE OF H. J. GLENN, DECEASED TO E. H. WHYLER RECORDED OCTOBER 4, 1904 IN [BOOK 21 OF DEEDS, PAGE 188](#).
7. AN OIL AND GAS LEASE EXECUTED BY WILLIAM HENRY WHYLER, A SINGLE MAN; ELLSWORTH HOWARD WHYLER, A MARRIED MAN DEALING WITH HIS SEPARATE PROPERTY; HAZEL WHYLER, A SINGLE WOMAN AND GLADYS WHYLER, A SINGLE WOMAN AS LESSOR AND SUNRAY OIL CORPORATION AS LESSEE, RECORDED OCTOBER 13, 1953 IN BOOK 300 [OFFICIAL RECORDS, PAGE 269](#).

THE PRESENT OWNERSHIP OF SAID LEASEHOLD AND OTHER MATTERS AFFECTING THE LEASE ARE NOT SHOWN HEREIN.
8. AN EASEMENT FOR PIPE LINES AND INCIDENTAL PURPOSES CONVEYED TO PACIFIC GAS AND ELECTRIC COMPANY IN THE DOCUMENT RECORDED MARCH 6, 1957 IN BOOK 352 OF [OFFICIAL RECORDS, PAGE 45](#).
9. THE TERMS, CONDITIONS AND PROVISIONS CONTAINED IN THE AGREEMENT BY AND BETWEEN RICHARDS R. WHYLER AND CARRIERE & SONS, A PARTNERSHIP RECORDED DECEMBER 30, 1992 AS [INSTRUMENT NO. 92-6989](#) OF OFFICIAL RECORDS.

10. FARMLAND SECURITY ZONE CONTRACT REPLACING WILLIAMSON ACT CONTRACT, RESOLUTION NO. 2000-144, BY AND BETWEEN CARRIERE & SONS, A PARTNERSHIP AND COUNTY OF GLENN, A POLITICAL SUBDIVISION OF THE STATE OF CALIFORNIA, DATED DECEMBER 5, 2000, RECORDED DECEMBER 12, 2000, GLENN COUNTY RECORDER'S [FILE NO. 2000-6569](#).

11. A DEED OF TRUST TO SECURE AN INDEBTEDNESS IN THE ORIGINAL AMOUNT SHOWN BELOW.

AMOUNT: \$5,000,000.00
DATED: MAY 10, 2017
TRUSTOR: CARRIERE LAND, LLC, A CALIFORNIA LIMITED LIABILITY COMPANY AND RICHARD W. CARRIERE AND INGER A. CARRIERE, AS TRUSTEES OF THE RICHARD AND NINA CARRIERE TRUST ESTABLISHED ON MAY 2, 2003
TRUSTEE: GOLDEN STATE FARM CREDIT, FLCA
BENEFICIARY: GOLDEN STATE FARM CREDIT, FLCA
RECORDED: MAY 17, 2017 AS [INSTRUMENT NO. 2017-2113](#) OF OFFICIAL RECORDS

A DOCUMENT DISCLOSING AN ADDITIONAL ADVANCE IN THE AMOUNT OF \$500,000.00, RECORDED DECEMBER 16, 2019 AS [INSTRUMENT NO. 2019-5069](#) OF OFFICIAL RECORDS.

A DOCUMENT DISCLOSING AN ADDITIONAL ADVANCE IN THE AMOUNT OF \$750,000.00, RECORDED SEPTEMBER 17, 2020 AS [INSTRUMENT NO. 2020-3661](#) OF OFFICIAL RECORDS.

A DOCUMENT DISCLOSING AN ADDITIONAL ADVANCE IN THE AMOUNT OF \$1,000,000.00, RECORDED MARCH 29, 2023 AS [INSTRUMENT NO. 2023-0864](#) OF OFFICIAL RECORDS.

12. RIGHTS AND CLAIMS OF PARTIES IN POSSESSION.

13. WATER RIGHTS, CLAIMS OR TITLE TO WATER, WHETHER OR NOT THE MATTERS ARE SHOWN BY THE PUBLIC RECORDS.

14. EVIDENCE MUST BE PROVIDED THAT THERE ARE NO COMMITMENT STATEMENTS IN EFFECT UNDER CIVIL CODE SECTION 850 ET SEQ. WITH RESPECT TO THE PROPERTY.

IN ORDER TO REMOVE THIS STATEMENT, THE LANDOWNER WILL NEED TO PROVIDE US WITH AN AFFIDAVIT STATING THAT THEY ARE NOT AWARE OF ANY RELEASE REPORTS OR COMMITMENT STATEMENTS WHICH HAVE BEEN ISSUED UNDER THIS STATUTE WITH RESPECT TO THE PROPERTY.

15. ANY CLAIM THAT THE TITLE IS SUBJECT TO A TRUST OR LIEN CREATED UNDER THE PERISHABLE AGRICULTURAL COMMODITIES ACT (7 U.S.C. 499A, ET SEQ), THE PACKERS AND STOCKYARDS ACT (7 U.S.C. 181, ET SEQ) OR UNDER SIMILAR FEDERAL OR STATE LAWS.

16. WITH RESPECT TO CARRIERE LAND, LLC, A LIMITED LIABILITY COMPANY:

A. A COPY OF ITS OPERATING AGREEMENT AND ANY AMENDMENTS THERETO;

B. IF IT IS A CALIFORNIA LIMITED LIABILITY COMPANY, THAT A CERTIFIED COPY OF ITS ARTICLES OF ORGANIZATION (LLC-1) AND ANY CERTIFICATE OF CORRECTION (LLC-11), CERTIFICATE OF AMENDMENT (LLC-2), OR RESTATEMENT OF ARTICLES OF ORGANIZATION (LLC-10) BE RECORDED IN THE PUBLIC RECORDS;

C. IF IT IS A FOREIGN LIMITED LIABILITY COMPANY, THAT A CERTIFIED COPY OF ITS APPLICATION FOR REGISTRATION (LLC-5) BE RECORDED IN THE PUBLIC RECORDS;

D. WITH RESPECT TO ANY DEED, DEED OF TRUST, LEASE, SUBORDINATION AGREEMENT OR OTHER DOCUMENT OR INSTRUMENT EXECUTED BY SUCH LIMITED LIABILITY COMPANY AND PRESENTED FOR RECORDATION BY THE COMPANY OR UPON WHICH THE COMPANY IS ASKED TO RELY, THAT SUCH DOCUMENT OR INSTRUMENT BE EXECUTED IN ACCORDANCE WITH ONE OF THE FOLLOWING, AS APPROPRIATE:

(I) IF THE LIMITED LIABILITY COMPANY PROPERLY OPERATES THROUGH OFFICERS APPOINTED OR ELECTED PURSUANT TO THE TERMS OF A WRITTEN OPERATING AGREEMENT, SUCH DOCUMENT MUST BE EXECUTED BY AT LEAST TWO DULY ELECTED OR APPOINTED OFFICERS, AS FOLLOWS: THE

CHAIRMAN OF THE BOARD, THE PRESIDENT OR ANY VICE PRESIDENT, AND ANY SECRETARY, ASSISTANT SECRETARY, THE CHIEF FINANCIAL OFFICER OR ANY ASSISTANT TREASURER;

(II) IF THE LIMITED LIABILITY COMPANY PROPERLY OPERATES THROUGH A MANAGER OR MANAGERS IDENTIFIED IN THE ARTICLES OF ORGANIZATION AND/OR DULY ELECTED PURSUANT TO THE TERMS OF A WRITTEN OPERATING AGREEMENT, SUCH DOCUMENT MUST BE EXECUTED BY AT LEAST TWO SUCH MANAGERS OR BY ONE MANAGER IF THE LIMITED LIABILITY COMPANY PROPERLY OPERATES WITH THE EXISTENCE OF ONLY ONE MANAGER.

E. OTHER REQUIREMENTS WHICH THE COMPANY MAY IMPOSE FOLLOWING ITS REVIEW OF THE MATERIAL REQUIRED HEREIN AND OTHER INFORMATION WHICH THE COMPANY MAY REQUIRE.

17. THE ATTACHED LEGAL DESCRIPTION IS NOT A LEGAL PARCEL ACCORDING TO THE SUBDIVISION MAP ACT AND CANNOT BE SOLD OR ENCUMBERED AS A FEE ESTATE.

NOTICE

Section 12413.1 of the California Insurance Code, effective January 1, 1990, requires that any title insurance company, underwritten title company, or controlled escrow company handling funds in an escrow or sub-escrow capacity, wait a specified number of days after depositing funds, before recording any documents in connection with the transaction or disbursing funds. This statute allows for funds deposited by wire transfer to be disbursed the same day as deposit. In the case of cashier's checks or certified checks, funds may be disbursed the next day after deposit. In order to avoid unnecessary delays of three to seven days, or more, please use wire transfer, cashier's checks, or certified checks whenever possible.

NOTES:

- A. THE INSURANCE CONTEMPLATED BY THIS TRANSACTION SHALL BE ISSUED IN FAVOR OF TBD ITS SUCCESSORS AND/OR ITS ASSIGNS IN THE AMOUNT OF \$.00 PURSUANT TO A DEED OF TRUST FROM TBD , AND AN OWNER'S POLICY IN THE AMOUNT OF \$.00 PURSUANT TO A DEED EXECUTED BY**
- B. ACCORDING TO THE PUBLIC RECORDS, THERE HAS BEEN NO CONVEYANCE OF THE LAND WITHIN A PERIOD OF TWENTY-FOUR MONTHS PRIOR TO THE DATE OF THIS REPORT, EXCEPT AS FOLLOWS:**

NONE
- C. NONE OF THE ITEMS SHOWN IN THIS REPORT WILL CAUSE THE COMPANY TO DECLINE TO ATTACH CLTA ENDORSEMENT FORM 100 TO AN ALTA POLICY, WHEN ISSUED.**
- D. THE POLICY TO BE ISSUED MAY CONTAIN AN ARBITRATION CLAUSE. WHEN THE AMOUNT OF INSURANCE IS LESS THAN THE CERTAIN DOLLAR AMOUNT SET FORTH IN ANY APPLICABLE ARBITRATION CLAUSE, ALL ARBITRABLE MATTERS SHALL BE ARBITRATED AT THE OPTION OF EITHER THE COMPANY OR THE INSURED AS THE EXCLUSIVE REMEDY OF THE PARTIES. IF YOU DESIRE TO REVIEW THE TERMS OF THE POLICY, INCLUDING ANY ARBITRATION CLAUSE THAT MAY BE INCLUDED, CONTACT THE OFFICE THAT ISSUED THIS COMMITMENT OR REPORT TO OBTAIN A SAMPLE OF THE POLICY JACKET FOR THE POLICY THAT IS TO BE ISSUED IN CONNECTION WITH YOUR TRANSACTION.**

LEGAL DESCRIPTION

ALL THAT CERTAIN REAL PROPERTY SITUATE LYING IN THE UNINCORPORATED AREA, COUNTY OF GLENN, STATE OF CALIFORNIA, BEING DESCRIBED AS FOLLOWS:

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE COUNTY OF GLENN, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

BEING A PORTION OF SECTION 63 AS SHOWN ON THAT CERTAIN MAP ENTITLED "SUBDIVISIONS OF THE GLENN RANCH", GLENN COUNTY, CALIFORNIA, SURVEYED BY H.B. SHACKELFORD, AND ON FILE IN BOOK 1 OF MAPS AND SURVEYS, AT PAGE 110, RECORDS OF SAID COUNTY OF GLENN; ALSO BEING A PORTION OF THE LANDS AS DESCRIBED IN OFFICIAL RECORDS DOCUMENT NO. 2004-7802, MORE PARTICULARLY DESCRIBED AS FOLLOWS, AND ALSO SHOWN ON ATTACHED EXHIBIT "B":

PARCEL ONE (OFFLOADING AND TRANSFER SITE):

COMMENCING AT THE SOUTHEAST CORNER OF LOT 887 OF THE SACRAMENTO VALLEY COMPANY'S SUBDIVISION OF THE JACINTO UNIT, AS SAID SUBDIVISION IS SHOWN ON BOOK 2 OF MAPS AND SURVEYS, PAGE 205, RECORDS OF SAID COUNTY OF GLENN, ALSO BEING A POINT ON THE SOUTH LINE OF SAID SECTION 63, AND AS DESCRIBED IN SAID OFFICIAL RECORDS DOCUMENT NO. 2004-7802, THENCE LEAVING SAID SOUTH LINE OF SECTION 63 AND ALONG THE EAST LINE OF SAID LOT 887, NORTH 00° 11' 00" EAST, 870.00 FEET;

THENCE LEAVING SAID EAST LINE, SOUTH 89° 49' 00" EAST, 5.00 FEET, TO THE TRUE POINT OF BEGINNING;

THENCE NORTH 00° 11' 00" EAST, 300.00 FEET;

THENCE SOUTH 89° 49' 00" EAST, 100.00 FEET;

THENCE SOUTH 00° 11' 00" WEST, 200.00 FEET;

THENCE SOUTH 89° 49' 00" EAST, 100.00 FEET;

THENCE SOUTH 00° 11' 00" WEST, 100.00 FEET, TO A POINT HEREINAFTER REFERRED TO AS "POINT A";

THENCE NORTH 89° 49' 00" WEST, 200.00 FEET, TO THE TRUE POINT OF BEGINNING.

CONTAINING 0.92 ACRES, MORE OR LESS.

PARCEL TWO (SITE ACCESS ROAD):

A STRIP OF LAND FOR INGRESS, EGRESS AND ROAD PURPOSES, BEING 20.00 FEET WIDE, AS MEASURED 20.00 FEET RIGHT OF, PARALLEL WITH AND PERPENDICULAR TO THE FOLLOWING DESCRIBED LINE;

BEGINNING AT THE HEREINABOVE DESCRIBED "POINT A", THENCE NORTH 00° 11' 00" EAST, 189.07 FEET, TO THE BEGINNING OF A CURVE TO THE LEFT;

THENCE ALONG SAID CURVE, HAVING A RADIUS OF 50.00 FEET, THROUGH A CENTRAL ANGLE OF 30° 00' 00", FOR AN ARC LENGTH OF 26.18 FEET TO THE END OF SAID CURVE;

THENCE NORTH 29° 49' 00" WEST, 184.65 FEET, TO THE BEGINNING OF A CURVE TO THE RIGHT;

THENCE ALONG SAID CURVE HAVING A RADIUS OF 70.00 FEET, THROUGH A CENTRAL ANGLE OF 30° 00' 00", FOR AN ARC LENGTH OF 36.65 FEET TO THE END OF SAID CURVE;

THENCE NORTH 00° 11' 00" EAST, 78.84 FEET, TO THE BEGINNING OF A CURVE TO THE LEFT;

THENCE ALONG SAID CURVE HAVING A RADIUS OF 50.00 FEET, THROUGH A CENTRAL ANGLE OF 30° 00' 00", FOR AN ARC LENGTH OF 26.18 FEET TO THE END OF SAID CURVE;

THENCE NORTH 29° 49' 00" WEST, 150.58 FEET, TO THE BEGINNING OF A CURVE TO THE RIGHT;

THENCE ALONG SAID CURVE HAVING A RADIUS OF 70.00 FEET, THROUGH A CENTRAL ANGLE OF 29° 44' 39", FOR AN ARC LENGTH OF 36.34 FEET, TO THE END OF SAID CURVE;

THENCE NORTH 00° 04' 21" WEST, 1025.58 FEET, MORE OR LESS, TO A POINT ON THE SOUTH LINE OF STATE HIGHWAY 162, AS DESCRIBED IN BOOK 376 OFFICIAL RECORDS, PAGE 428, RECORDS OF SAID COUNTY OF GLENN.

SUBJECT TO EASEMENTS OF RECORD.

THE SIDELINE OF SAID EASEMENT IS TO BE LENGTHENED OR SHORTENED, AS NECESSARY, TO BEGIN ON THE EASTERLY PROLONGATION OF THE SOUTH LINE OF PARCEL ONE, DESCRIBED HEREINABOVE, AND TO END ON THE SOUTH LINE OF SAID BOOK 376 OFFICIAL RECORDS, PAGE 428.

EXHIBIT A
LIST OF PRINTED EXCEPTIONS AND EXCLUSIONS (BY POLICY TYPE)
CLTA/ALTA HOMEOWNER'S POLICY OF TITLE INSURANCE (02-03-10)
EXCLUSIONS

In addition to the Exceptions in Schedule B, You are not insured against loss, costs, attorneys' fees, and expenses resulting from:

1. Governmental police power, and the existence or violation of those portions of any law or government regulation concerning:
 - (a) building;
 - (b) zoning;
 - (c) land use;
 - (d) improvements on the Land;
 - (e) land division; and
 - (f) environmental protection.This Exclusion does not limit the coverage described in Covered Risk 8.a., 14, 15, 16, 18, 19, 20, 23 or 27.
2. The failure of Your existing structures, or any part of them, to be constructed in accordance with applicable building codes. This Exclusion does not limit the coverage described in Covered Risk 14 or 15.
3. The right to take the Land by condemning it. This Exclusion does not limit the coverage described in Covered Risk 17.
4. Risks:
 - (a) that are created, allowed, or agreed to by You, whether or not they are recorded in the Public Records;
 - (b) that are Known to You at the Policy Date, but not to Us, unless they are recorded in the Public Records at the Policy Date;
 - (c) that result in no loss to You; or
 - (d) that first occur after the Policy Date - this does not limit the coverage described in Covered Risk 7, 8.e., 25, 26, 27 or 28.
5. Failure to pay value for Your Title.
6. Lack of a right:
 - (a) to any land outside the area specifically described and referred to in paragraph 3 of Schedule A; and
 - (b) in streets, alleys, or waterways that touch the Land.This Exclusion does not limit the coverage described in Covered Risk 11 or 21.
7. The transfer of the Title to You is invalid as a preferential transfer or as a fraudulent transfer or conveyance under federal bankruptcy, state insolvency, or similar creditors' rights laws.

LIMITATIONS ON COVERED RISKS

Your insurance for the following Covered Risks is limited on the Owner's Coverage Statement as follows: For Covered Risk 16, 18, 19, and 21 Your Deductible Amount and Our Maximum Dollar Limit of Liability shown in Schedule A.

<u>Your Deductible Amount</u>	<u>Our Maximum Dollar Limit of Liability</u>
Covered Risk 16: 1% of Policy Amount or \$2,500.00 (whichever is less)	\$10,000.00
Covered Risk 18: 1% of Policy Amount or \$5,000.00 (whichever is less)	\$25,000.00
Covered Risk 19: 1% of Policy Amount or \$5,000.00 (whichever is less)	\$25,000.00
Covered Risk 21: 1% of Policy Amount or \$2,500.00 (whichever is less)	\$5,000.00

ALTA RESIDENTIAL TITLE INSURANCE POLICY (6-1-87)
EXCLUSIONS

In addition to the Exceptions in Schedule B, you are not insured against loss, costs, attorneys' fees, and expenses resulting from:

1. Governmental police power, and the existence or violation of any law or government regulation. This includes building and zoning ordinances and also laws and regulations concerning:
 - (a) and use
 - (b) improvements on the land
 - (c) and division
 - (d) environmental protectionThis exclusion does not apply to violations or the enforcement of these matters which appear in the public records at Policy Date. This exclusion does not limit the zoning coverage described in Items 12 and 13 of Covered Title Risks.
2. The right to take the land by condemning it, unless:
 - (a) a notice of exercising the right appears in the public records on the Policy Date
 - (b) the taking happened prior to the Policy Date and is binding on you if you bought the land without knowing of the taking
3. Title Risks:
 - (a) that are created, allowed, or agreed to by you
 - (b) that are known to you, but not to us, on the Policy Date -- unless they appeared in the public records
 - (c) that result in no loss to you
 - (d) that first affect your title after the Policy Date -- this does not limit the labor and material lien coverage in Item 8 of Covered Title Risks
4. Failure to pay value for your title.
5. Lack of a right:
 - (a) to any land outside the area specifically described and referred to in Item 3 of Schedule A OR
 - (b) in streets, alleys, or waterways that touch your landThis exclusion does not limit the access coverage in Item 5 of Covered Title Risks.

2006 ALTA LOAN POLICY (06-17-06)
EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - (i) the occupancy, use, or enjoyment of the Land;
 - (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection;or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
- (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 13, or 14); or
 - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing-business laws of the state where the Land is situated.
5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury or any consumer credit protection or truth-in-lending law.
6. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is
 - (a) a fraudulent conveyance or fraudulent transfer, or
 - (b) a preferential transfer for any reason not stated in Covered Risk 13(b) of this policy.
7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the Insured Mortgage in the Public Records. This Exclusion does not modify or limit the coverage provided under Covered Risk 11(b).

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

EXCEPTIONS FROM COVERAGE

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) that arise by reason of:

1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
2. Any facts, rights, interests, or claims that are not shown by the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and not shown by the Public Records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.
6. Any lien or right to a lien for services, labor or material not shown by the public records.

2006 ALTA OWNER'S POLICY (06-17-06)
EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - (i) the occupancy, use, or enjoyment of the Land;
 - (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection;or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
- (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters

- (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 9 or 10); or
 - (e) in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Title.
4. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction vesting the Title as shown in Schedule A, is
- (a) a fraudulent conveyance or fraudulent transfer, or
 - (b) a preferential transfer for any reason not stated in Covered Risk 9 of this policy.
5. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the deed or other instrument of transfer in the Public Records that vests Title as shown in Schedule A.

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

EXCEPTIONS FROM COVERAGE

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) that arise by reason of:

- 1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
- 2. Any facts, rights, interests, or claims that are not shown by the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
- 3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
- 4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and not shown by the Public Records.
- 5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.
- 6. Any lien or right to a lien for services, labor or material not shown by the public records.

ALTA EXPANDED COVERAGE RESIDENTIAL LOAN POLICY (07-26-10) EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

- 1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - (i) the occupancy, use, or enjoyment of the Land;
 - (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection;
 or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5, 6, 13(c), 13(d), 14 or 16.
 - (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 5, 6, 13(c), 13(d), 14 or 16.
- 2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
- 3. Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27 or 28); or
 - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
- 4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing-business laws of the state where the Land is situated.
- 5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury or any consumer credit protection or truth-in-lending law. This Exclusion does not modify or limit the coverage provided in Covered Risk 26.
- 6. Any claim of invalidity, unenforceability or lack of priority of the lien of the Insured Mortgage as to Advances or modifications made after the Insured has Knowledge that the vestee shown in Schedule A is no longer the owner of the estate or interest covered by this policy. This Exclusion does not modify or limit the coverage provided in Covered Risk 11.
- 7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching subsequent to Date of Policy. This Exclusion does not modify or limit the coverage provided in Covered Risk 11(b) or 25.
- 8. The failure of the residential structure, or any portion of it, to have been constructed before, on or after Date of Policy in accordance with applicable building codes. This Exclusion does not modify or limit the coverage provided in Covered Risk 5 or 6.

9. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is
 - (a) a fraudulent conveyance or fraudulent transfer, or
 - (b) a preferential transfer for any reason not stated in Covered Risk 27(b) of this policy.

CALIFORNIA LAND TITLE ASSOCIATION STANDARD COVERAGE POLICY – 1990
SCHEDULE B

EXCEPTIONS FROM COVERAGE

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) which arise by reason of:

1. Taxes or assessments which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the public records. Proceedings by a public agency which may result in taxes or assessments, or notice of such proceedings, whether or not shown by the records of such agency or by the public records.
2. Any facts, rights, interest, or claims which are not shown by the public records but which could be ascertained by an inspection of the land or which may be asserted by persons in possession thereof.
3. Easements, liens or encumbrances, or claims thereof, which are not shown by the public records.
4. Discrepancies, conflicts in boundary lines, shortage in area, encroachments, or any other facts which a correct survey would disclose, and which are not shown by the public records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the public records.
6. Any lien or right to a lien for services, labor or material not shown by the public records.

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorneys' fees or expenses which arise by reason of:

1.
 - (a) Any law, ordinance or governmental regulation (including but not limited to building and zoning laws, ordinances, or regulations) restricting, regulating, prohibiting or relating to (i) the occupancy, use, or enjoyment of the land; (ii) the character, dimensions or location of any improvement now or hereafter erected on the land; (iii) a separation in ownership or change in the dimensions or area of the land or any parcel of which the land is or was a part; or (iv) environmental protection, or the effect of any violation of these laws, ordinances or governmental regulations, except to the extent that a notice of the enforcement thereof or a notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
 - (b) Any governmental police power not excluded by (a) above, except to the extent that a notice of the exercise thereof or a notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
2. Rights of eminent domain unless notice of the exercise thereof has been recorded in the public records at Date of Policy, but not excluding from coverage any taking which has occurred prior to Date of Policy which would be binding on the rights of a purchaser for value without knowledge.
3. Defects, liens, encumbrances, adverse claims or other matters:
 - (a) whether or not recorded in public records at Date of Policy, but created, suffered, assumed or agreed to by the insured claimant;
 - (b) not known to the Company, not recorded in public records at Date of Policy, but known to the insured claimant and not disclosed in writing to the Company by the insured claimant prior to the date the insured claimant became an insured under this policy;
 - (c) resulting in no loss or damage to the insured claimant;
 - (d) attaching or created subsequent to Date of Policy; or
 - (e) resulting in loss or damage which would not have been sustained if the insured claimant had paid value for the insured mortgage or for the estate or interest insured by this policy.
4. Unenforceability of the lien of the insured mortgage because of the inability or failure of the insured at Date of Policy, or the inability or failure of any subsequent owner of the indebtedness, to comply with applicable "doing business" laws of the state in which the land is situated.
5. Invalidity or unenforceability of the lien of the insured mortgage, or claim thereof, which arises out of the transaction evidenced by the insured mortgage and is based upon usury or any consumer credit protection or truth in lending law.
6. Any claim which arises out of the transaction vesting in the insured the estate or interest insured by their policy or the transaction creating the interest of the insured lender, by reason of the operation of federal bankruptcy, state of insolvency or similar creditors' rights laws.

PRIVACY INFORMATION

We Are Committed to Safeguarding Customer Information

In order to better serve your needs now and in the future, we may ask you to provide us with certain information. We understand that you may be concerned about what we will do with such information. We agree that you have right to know how we will utilize the personal information you provide to us. Therefore, together with our subsidiaries we have adopted this Privacy Policy to govern the use and handling of your personal information.

Applicability

This Privacy Policy governs our use of the information that you provide to us. It does not govern the manner in which we may use information we have obtained from any other sources, such as information obtained from a public record or from another person or entity. First American has also adopted broader guidelines that govern our use of personal information regardless of its source. First American calls these guidelines its Fair Information Values.

Types of Information

Depending upon which of our services you are utilizing, the types of nonpublic personal information that we may collect include:

- Information we receive from you on applications, forms and in other communications to us, whether in writing, in person, by telephone or any other means;
- Information about your transactions with us, our affiliated companies, or others; and
- Information we receive from a consumer reporting agency.

Use of Information

We request information from you for our own legitimate business purposes and not for the benefit of any nonaffiliated party. Therefore, we will not release your information to nonaffiliated parties except: (1) as necessary for us to provide the product or service you have requested of us; or (2) as permitted by law. We may, however, store such information indefinitely, including the period after which any customer relationship has ceased. Such information may be used for any internal purpose, such as quality control efforts or customer analysis. We may also provide all of the types of nonpublic personal information listed above to one or more of our affiliated companies. Such affiliated companies include financial service providers, such as title insurers, property and casualty insurers, and trust and investment advisory companies, or companies involved in real estate services, such as appraisal companies, home warranty companies and escrow companies. Furthermore, we may also provide all the information we collect, as described above, to companies that perform marketing services on our behalf, on behalf of our affiliated companies or to other financial institutions with whom we or our affiliated companies have joint marketing agreements.

Former Customers

Even if you are no longer our customer, our Privacy Policy will continue to apply to you.

Confidentiality and Security

We will use our best efforts to ensure that no unauthorized parties have access to any of our information. We restrict access to nonpublic personal information about you to those individuals and entities who need to know that information to provide products or services to you. We will use our best efforts to train and oversee our employees and agents to ensure that your information will be handled responsibly and in accordance with this Privacy Policy and First American's Fair Information Values. We currently maintain physical, electronic, and procedural safeguards that comply with federal regulations to guard your nonpublic personal information.

Information Obtained Through Our Web Site

Business Relationships

First American Financial Corporation's site and its affiliates' sites may contain links to other Web sites. While we try to link only to sites that share our high standards and respect for privacy, we are not responsible for the content or the privacy practices employed by other sites.

Cookies

Some of First American's Web site may make use of "cookie" technology to measure site activity and to customize information to your personal tastes. A cookie is an element of data that a Web site can send to your browser, which may then store the cookie on your hard drive.

FirstAm.com uses stored cookies. The goal of this technology is to better serve you when visiting our site, save you time when you are here and to provide you with a more meaningful and productive Web site experience.

Fair Information Values

Fairness We consider consumer expectations about their privacy in all our businesses. We only offer products and services that assure a favorable balance between consumer benefits and consumer privacy.

Public Record We believe that an open public record creates significant value for society, enhances consumer choice and creates consumer opportunity. We actively support an open public record and emphasize its importance and contribution to our economy.

Use We believe we should behave responsibly when we use information about a consumer in our business. We will obey the laws governing the collection, use and dissemination of data.

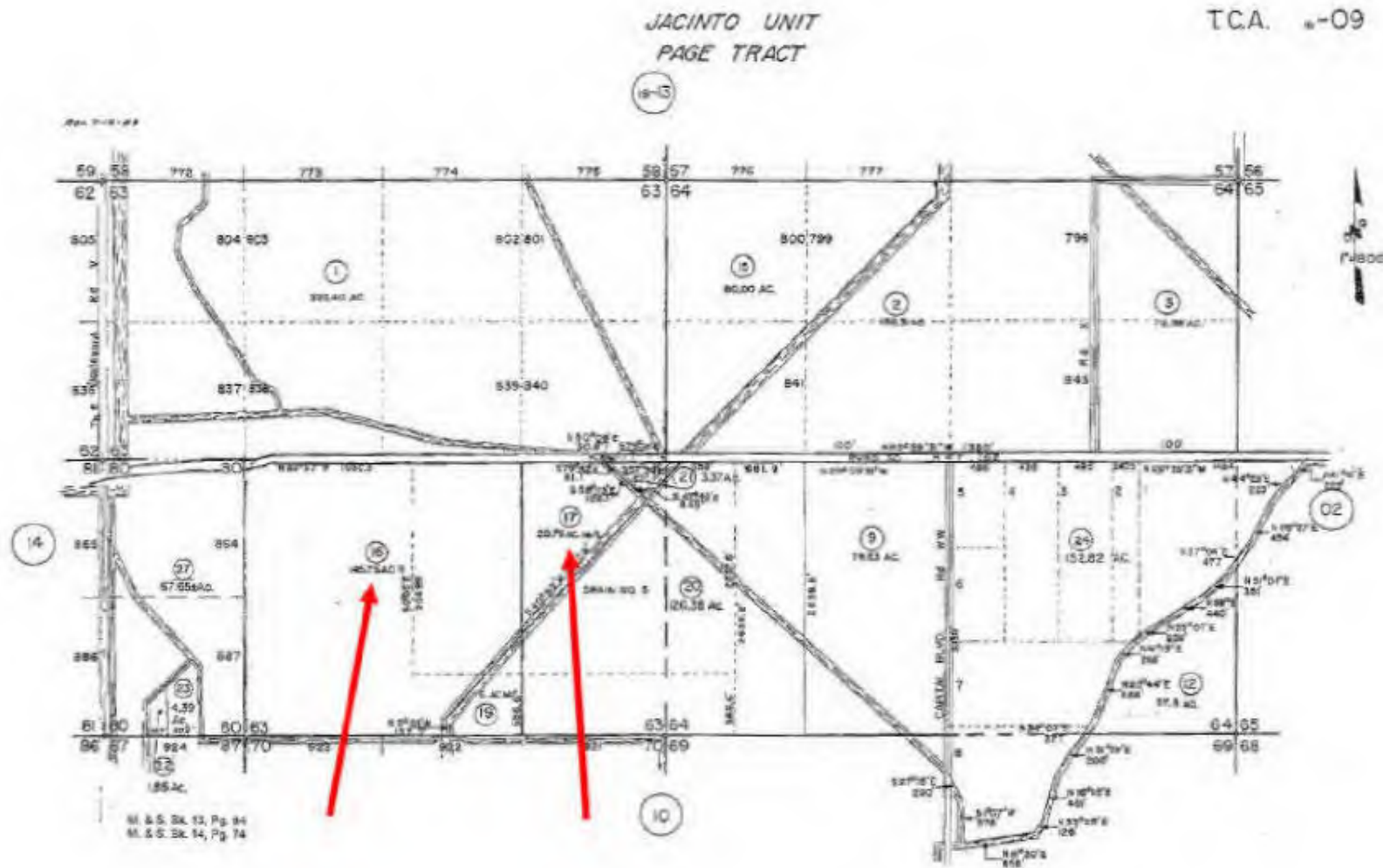
Accuracy We will take reasonable steps to help assure the accuracy of the data we collect, use and disseminate. Where possible, we will take reasonable steps to correct inaccurate information. When, as with the public record, we cannot correct inaccurate information, we will take all reasonable steps to assist consumers in identifying the source of the erroneous data so that the consumer can secure the required corrections.

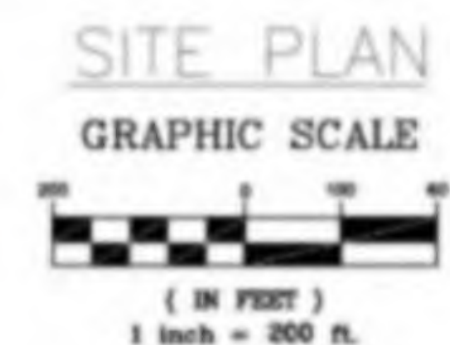
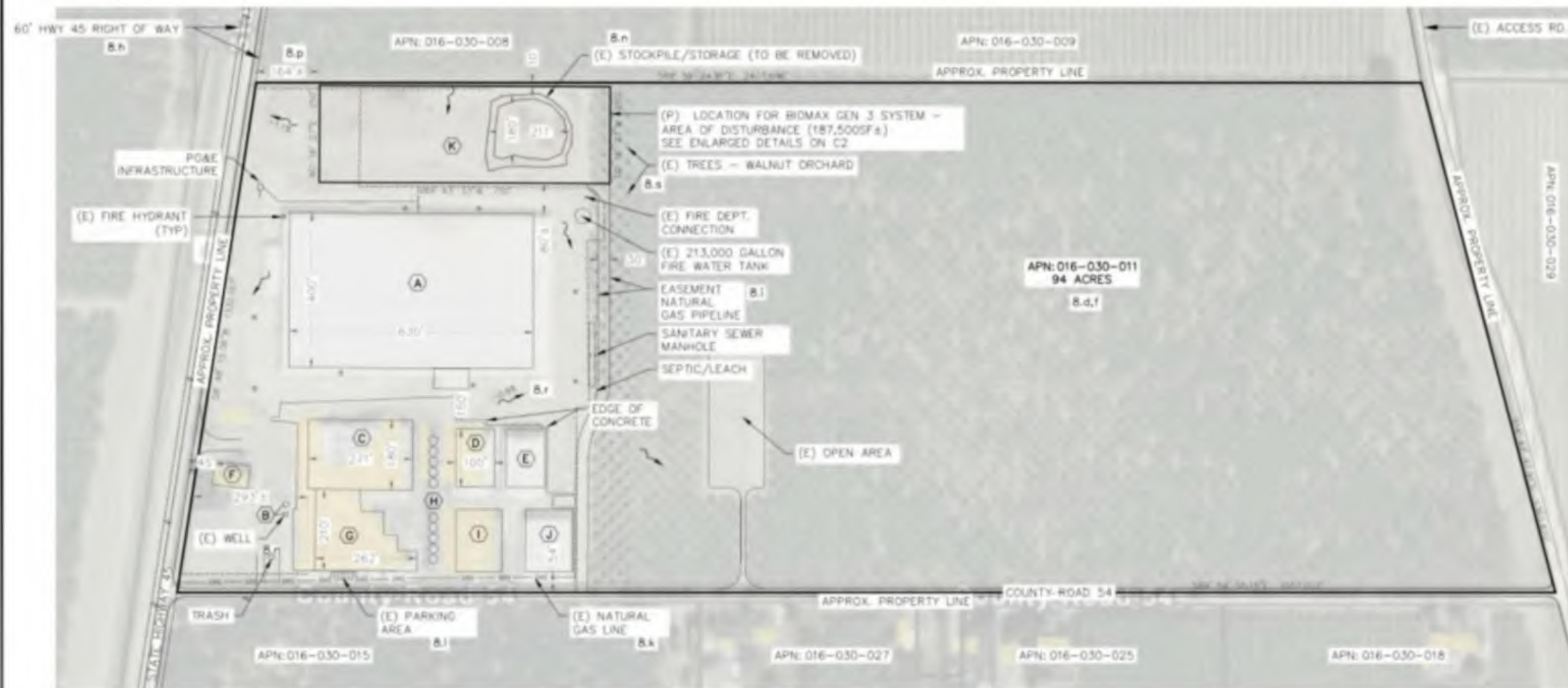
Education We endeavor to educate the users of our products and services, our employees and others in our industry about the importance of consumer privacy. We will instruct our employees on our fair information values and on the responsible collection and use of data. We will encourage others in our industry to collect and use information in a responsible manner.

Security We will maintain appropriate facilities and systems to protect against unauthorized access to and corruption of the data we maintain.

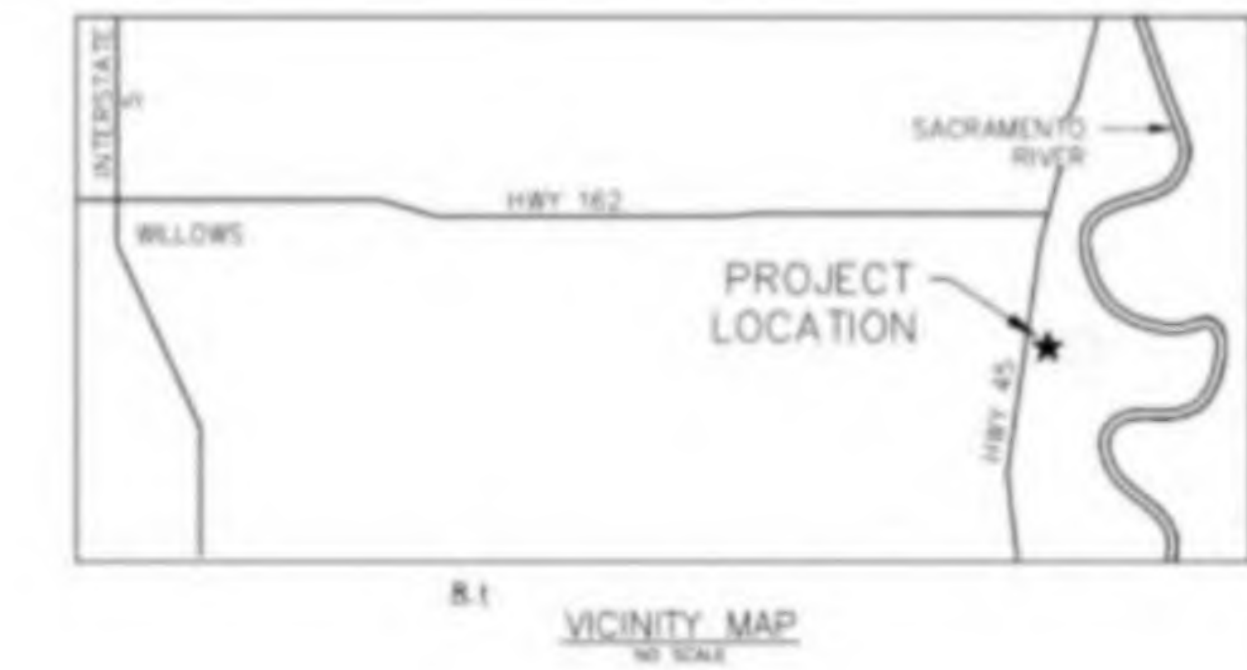
The map attached, if any, may or may not be a survey of the land depicted hereon. Timios Title and it's Underwriters expressly disclaims any liability for loss or damage which may result from reliance on this map except to the extent coverage for such loss or damage is expressly provided by the terms and provisions of the title insurance policy, if any, to which this map is attached.

MAP





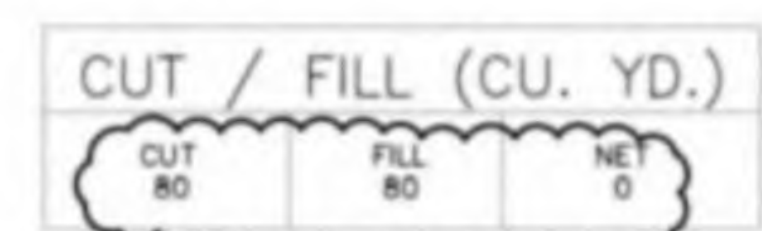
- CONDITIONAL USE PERMIT APPLICATION CHECKLIST - SITE PLAN**
- ☐ a. APPLICANT-NAME, PHONE, ETC.
 - ☐ b. OWNER-NAME, PHONE, ETC.
 - ☐ c. ENGINEER-NAME, PHONE, ETC.
 - ☐ d. GLENN COUNTY APN'S
 - ☐ e. NORTH ARROW, SCALE, ETC.
 - ☐ f. PROP. DIMENSIONS/ACREAGE
 - ☐ g. (E)/(P) BUILDINGS DIMS., ETC.
 - ☐ h. LOCATION OF ROADS/RIGHT OF WAYS
 - ☐ i. LOCATION OF EASEMENTS
 - ☐ j. (E)/(P) WALLS, FENCES, ETC.
 - ☐ k. (E)/(P) UTILITIES, WELLS, ETC.
 - ☐ l. (E)/(P) PARKING, ETC.
 - ☐ m. N/A - PROPOSED SIGNAGE
 - ☐ n. OUTDOOR STORAGE/TRASH ENCLOSURES
 - ☐ o. LANDSCAPING (SEE L SHEETS)
 - ☐ p. N/A - ADJACENT LAND USE/DISTANCES
 - ☐ q. N/A - HAZMAT/CHEMICAL STORAGE
 - ☐ r. DRAINAGE ARROWS/SLOPE %
 - ☐ s. WATERCOURSES, RESERVOIRS, ETC.
 - ☐ t. VICINITY MAP
 - ☐ u. N/A - OTHER INFO



CARRIERE LAND, LLC
1640 STATE HIGHWAY 45
GLENN, CA 95943
APN: 016-030-011

- LEGEND:**
- 15.30 CONTOUR ELEVATION
 - FENCE
 - ASPHALT
 - GRAVEL
 - EARTH
 - (E) POWER POLE
 - (E) HYDRANT
 - DRAINAGE DIRECTION
 - APN ASSESSOR'S PARCEL NUMBER
 - APPROX. APPROXIMATELY
 - DRY DRIVEWAY
 - (E) EXISTING
 - (P) PROPOSED
 - RD ROAD
 - SF SQUARE FEET

- (A) (E) PROCESSING WAREHOUSE/BULK STORAGE
- (B) (E) WELL/TANK
- (C) (E) DRY WAREHOUSE
- (D) (E) BULK STORAGE
- (E) (E) BULK STORAGE
- (F) (E) OFFICE
- (G) (E) DRY WAREHOUSE
- (H) (E) SILO STORAGE
- (I) (E) PROCESSING WAREHOUSE
- (J) (E) DRY STORAGE
- (K) (P) LOCATION FOR BIOMAX GEN 3 SYSTEM - AREA OF DISTURBANCE (187,500SF±) SEE ENLARGED DETAILS ON C2



ELEVATION DATUM
ELEVATIONS SHOWN ARE IN THE NGVD 1929 DATUM BASE
FLOOD ELEVATION FOR THIS SITE IS 90.0' NGVD 1929

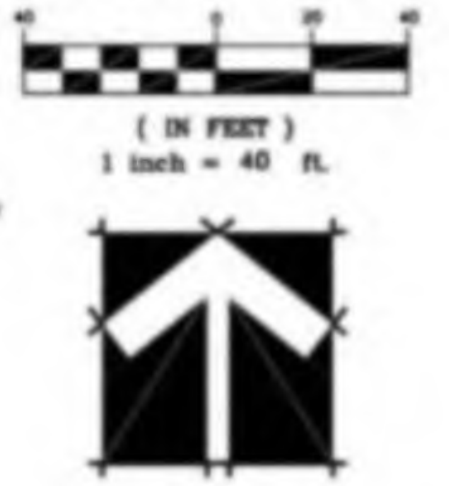
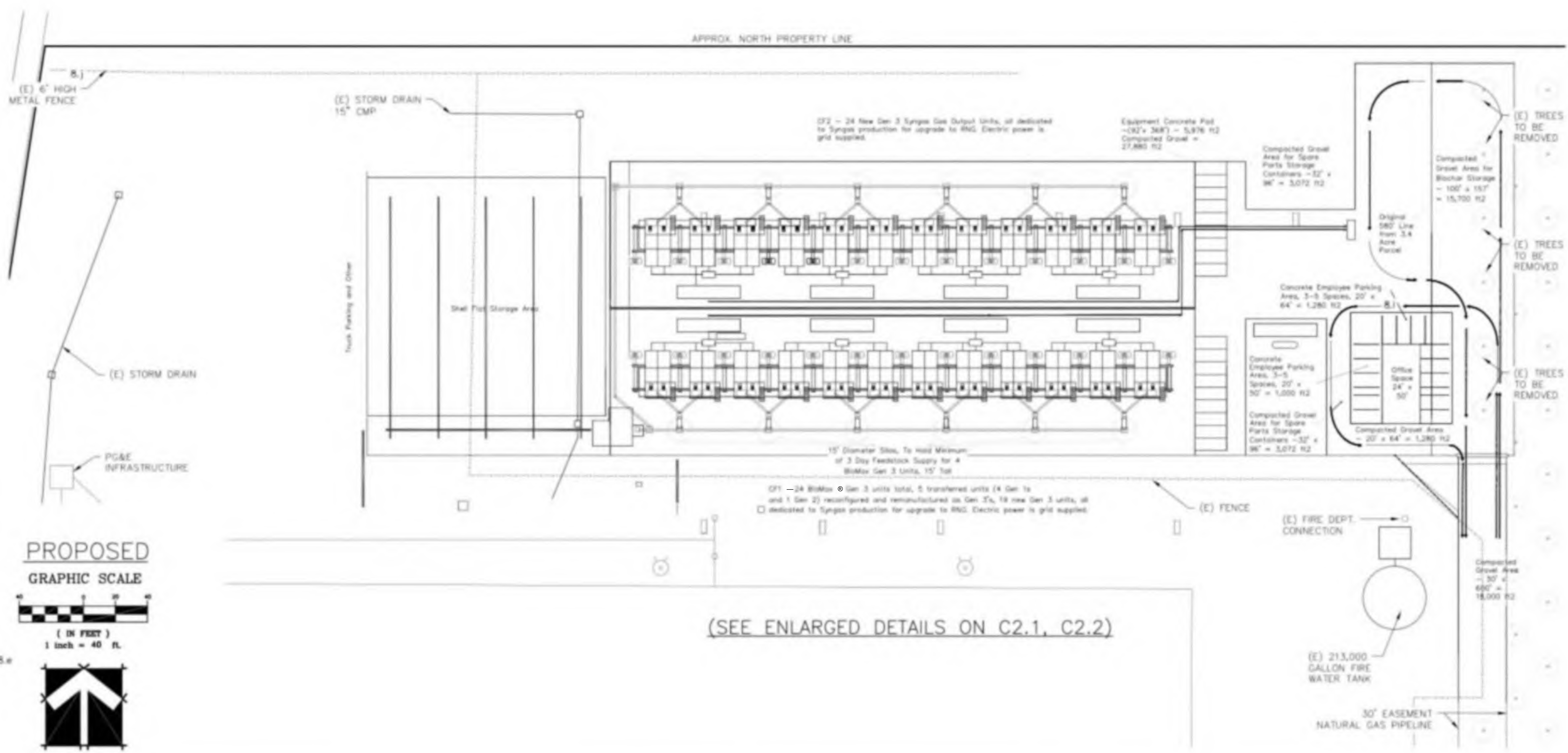
ENGINEER'S CERTIFICATION:

THIS PLAN WILL NOT IMPOSE A DRAINAGE, GRADING OR FLOODING HAZARD TO ITSELF AND SURROUNDING PROPERTIES.

JASON B. VINE, P.E.
LICENSE NO: C67800
DATE
EXPIRATION DATE: 06-30-25

PLANS REVIEWED OR APPROVED BY:

GLENN COUNTY ENGINEER



Revisions:

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMITTING	10/08/24
2	REVISED FOR COMMENTS	10/08/24
3	REVISED FOR COMMENTS	10/08/24
4	REVISED FOR COMMENTS	10/08/24
5	REVISED FOR COMMENTS	10/08/24
6	REVISED FOR COMMENTS	10/08/24
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99	REVISED FOR COMMENTS	10/08/24
100	REVISED FOR COMMENTS	10/08/24

REALM ENGINEERING
CIVIL ENGINEERING, SURVEYING & PLANNING
1767 MARKET STREET SUITE C
REDDING, CA 96001
530-526-7493

PLANS PREPARED UNDER THE SUPERVISION OF:

CONDITIONAL USE PERMIT SITE PLAN

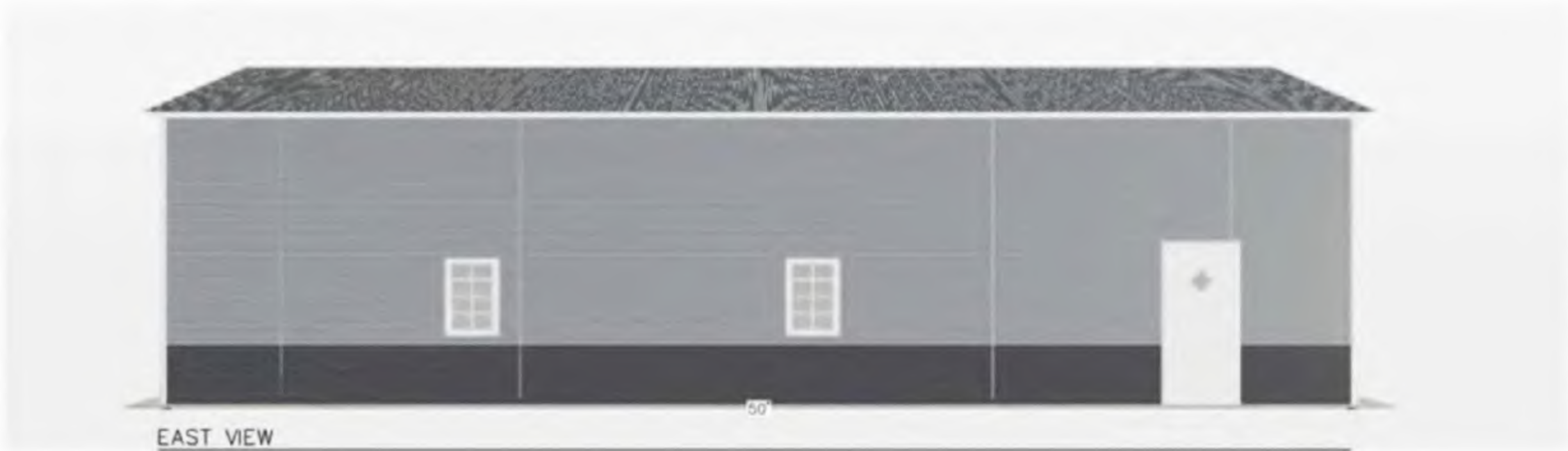
CARRIERE LAND, LLC
1640 STATE HIGHWAY 45
GLENN, CA 95943-9649
(530) 217-8335
GLENN COUNTY APN: 016-030-011

ISSUED BY:
DATE:
SCALE OF DRAWING:
JEN: JEN
GND: GND
SHEET:
C1

SOUTH VIEW



EAST VIEW



NORTH VIEW



WEST VIEW



STRUCTURE DETAILS

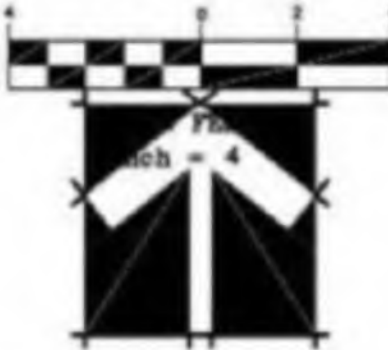
SIZE: 24'X50'
INSTALLATION SURFACE: CONCRETE
ROOF: ZINC GREY
TRIM COLORS: BRIGHT WHITE
SIDING: PEWTER GRAY
GABLE ENDS WAINSCOT: ZINC GREY
SIDE WALLS WAINSCOT: ZINC GREY
ROOF STYLE: A-FRAME VERTICAL
ROOF PITCH: 3/12
TRUSSES: STANDARD
LEG STYLE: STANDARD
GAUGE: 14-GAUGE FRAMING
LEG HEIGHT: 12"
LEFT SIDE: FULLY ENCLOSED
LEFT SIDE SIDING: HORIZONTAL
RIGHT SIDE: FULLY ENCLOSED
RIGHT SIDE SIDING: HORIZONTAL
FRONT END: FULLY ENCLOSED
FRONT END SIDING: HORIZONTAL
BACK END: FULLY ENCLOSED
BACK END SIDING: HORIZONTAL
ANCHOR PACKAGE: CONCRETE ANCHORS
ROLL DOORS & RAMPS
10' X 10' ROLLUP DOOR

DOORS & RAMPS

WALK-IN DOOR W/ WINDOW (36" X 80")
WINDOWS & ACCESSORIES
24W X 36H WINDOW
24W X 36H WINDOW
24W X 36H WINDOW
24W X 36H WINDOW

24'x50' METAL
BUILDING
OFFICE SPACE

GRAPHIC SCALE



Revisions:

REALM ENGINEERING
CIVIL ENGINEERING, SURVEYING & PLANNING
1767 MARKET STREET SUITE C
REDDING, CA 96001
530-526-7493



PLANS PREPARED UNDER
THE SUPERVISION OF:

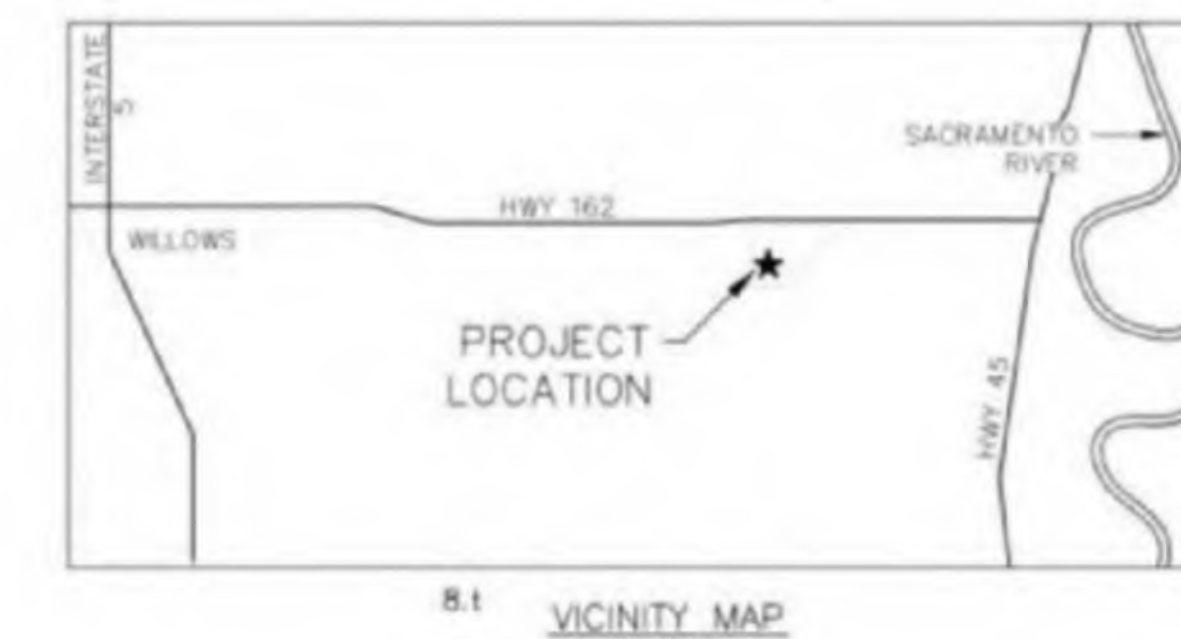


CONDITIONAL USE PERMIT SITE PLAN - DETAILS

DRAWN BY:
DATE PLOTTED:
10/09/24
SCALE OF DRAWING:
SEE PLAN
JOB NUMBER:

CAD FILE:
SHEET:

C2.2



CARRIERE LAND, LLC
7693 HIGHWAY 162
WILLOWS, CA 95988
APNS: 016-090-016, 016-090-017

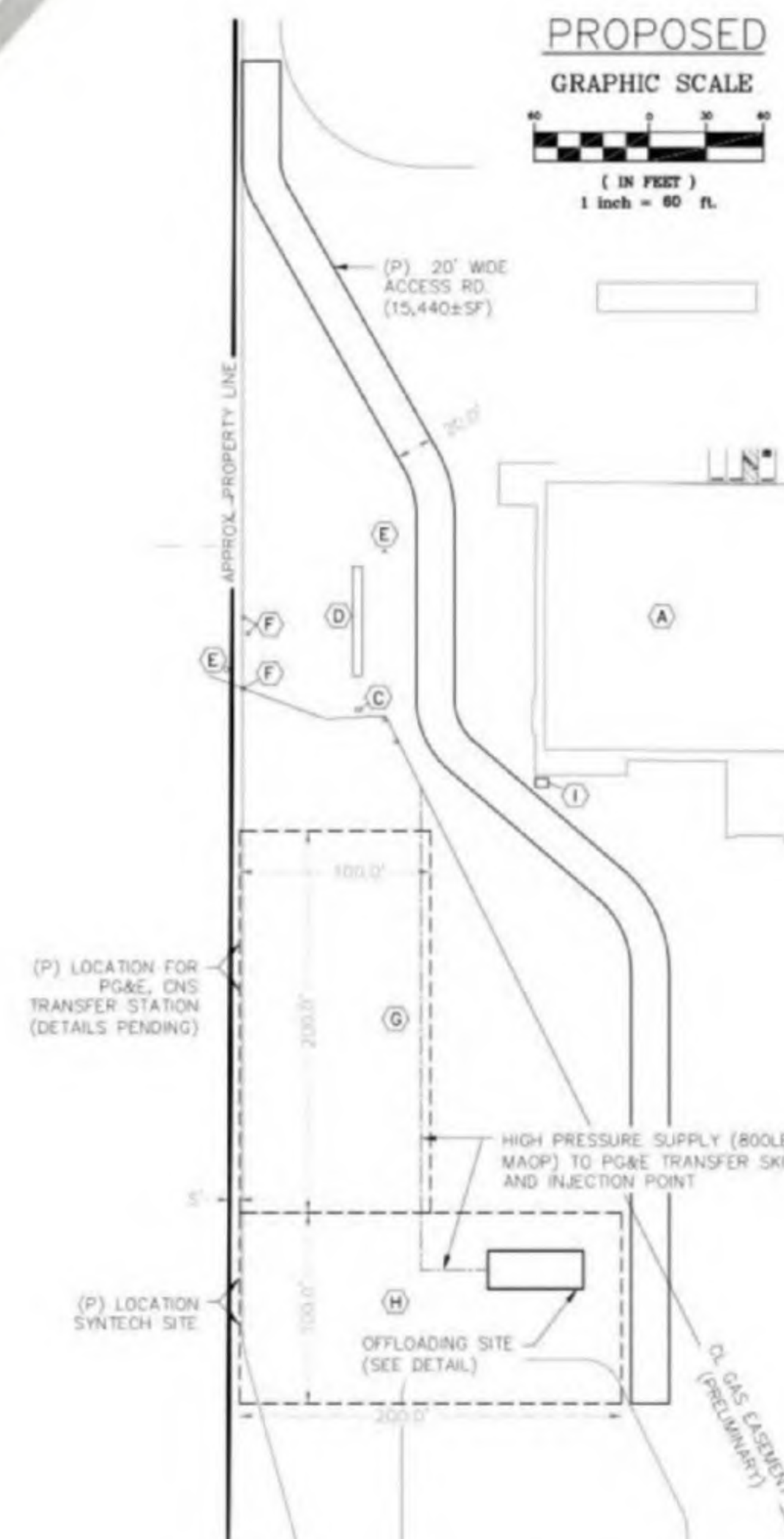
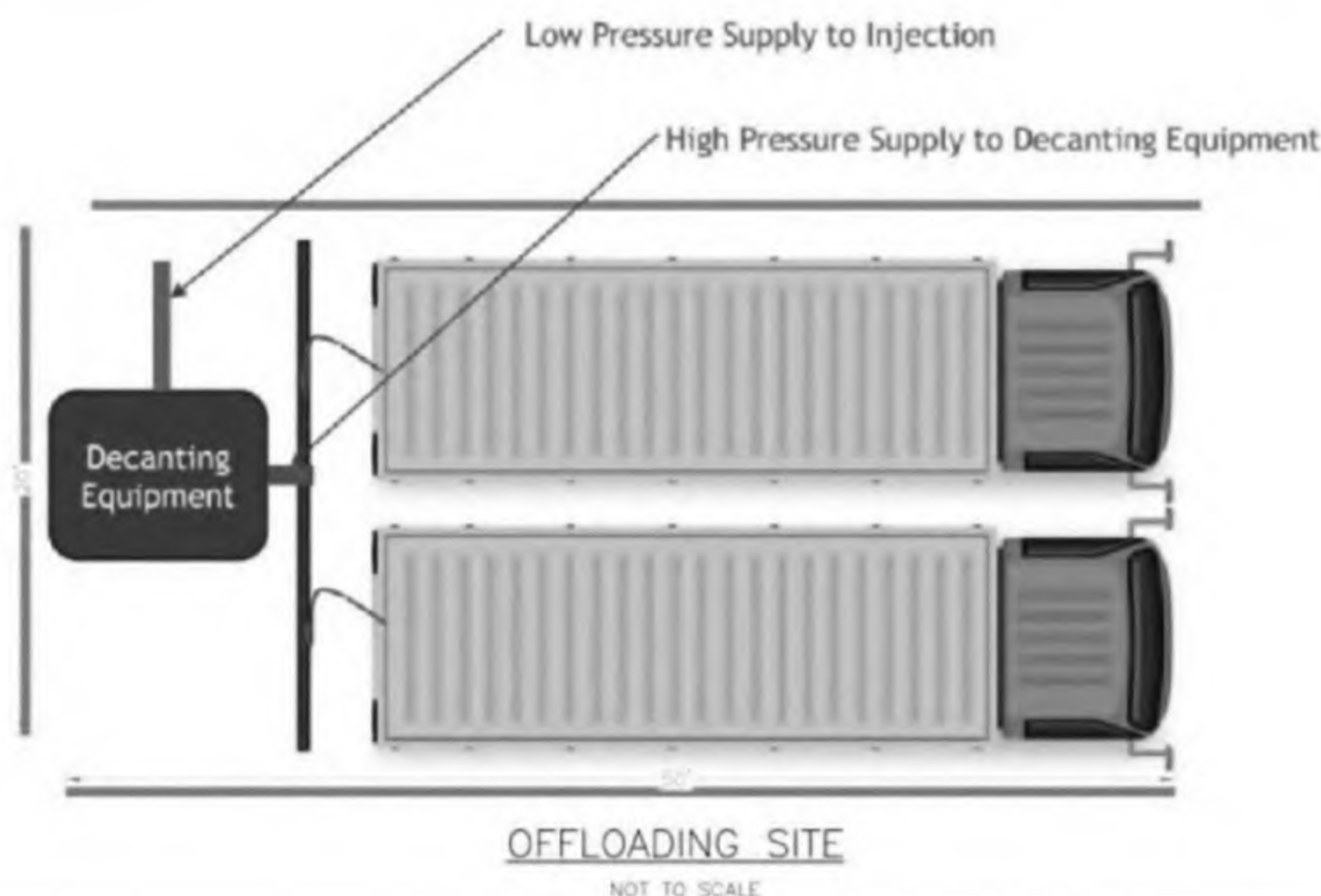
- LEGEND:**
- 15.30 CONTOUR ELEVATION
 - FENCE
 - ASPHALT
 - GRAVEL
 - EARTH
 - (E) POWER POLE
 - APN ASSESSOR'S PARCEL NUMBER
 - APPROX APPROXIMATELY
 - DWY DRIVEWAY
 - (E) EXISTING
 - (P) PROPOSED
 - RD ROAD
 - SF SQUARE FEET

- (A) (E) HULLER
(B) (E) DRYER
(C) (E) VAULT/GAS REGULATOR
(D) (E) BOLLARDS/GAS VALVES
(E) (E) 12" LID GAS VALVE
(F) (E) GAS LINE MARKERS
(G) (P) LOCATION FOR PG&E, CNS TRANSFER STATION
(H) (P) LOCATION FOR SYNTech SITE
(I) (E) DOMESTIC WELL (220GPM)
(J) (E) AG WELL (1600GPM)



**CONDITIONAL USE PERMIT APPLICATION
CHECKLIST - SITE PLAN**

- B.a ☐ APPLICANT-NAME, PHONE, ETC.
B.b ☐ OWNER-NAME, PHONE, ETC.
B.c ☐ ENGINEER-NAME, PHONE, ETC.
B.d ☐ GLENN COUNTY APN'S
B.e ☐ NORTH ARROW, SCALE, ETC.
B.f ☐ PROP. DIMENSIONS/ACREAGE
B.g ☐ (E)/(P) BUILDINGS DIMS., ETC.
B.h ☐ LOCATION OF ROADS/RIGHT OF WAYS
B.i ☐ LOCATION OF EASEMENTS
B.j ☐ N/A - (E)/(P) WALLS, FENCES, ETC.
B.k ☐ (E)/(P) UTILITIES, WELLS, ETC.
B.l ☐ (E)/(P) PARKING, ETC.
B.m ☐ N/A - PROPOSED SIGNAGE
B.n ☐ OUTDOOR STORAGE/TRASH ENCLOSURES
B.o ☐ LANDSCAPING (SEE L. SHEETS)
B.p ☐ N/A - ADJACENT LAND USE/DISTANCES
B.q ☐ N/A - HAZMAT/CHEMICAL STORAGE
B.r ☐ DRAINAGE ARROWS/SLOPE %
B.s ☐ WATERCOURSES, RESERVOIRS, ETC.
B.t ☐ VICINITY MAP
B.u ☐ N/A - OTHER INFO



CUT / FILL (CU. YD.)		
CUT 80	FILL 80	NET 0

ELEVATION DATUM

ELEVATIONS SHOWN ARE IN THE NGVD 1929 DATUM BASE
FLOOD ELEVATION FOR THIS SITE IS 90.0' NGVD 1929

ENGINEER'S CERTIFICATION:

THIS PLAN WILL NOT IMPOSE A DRAINAGE, GRADING OR
FLOODING HAZARD TO ITSELF AND SURROUNDING PROPERTIES.

JASON B. VINE, P.E.
LICENSE NO: C67800
DATE
EXPIRATION DATE: 06-30-25

PLANS REVIEWED OR APPROVED BY:

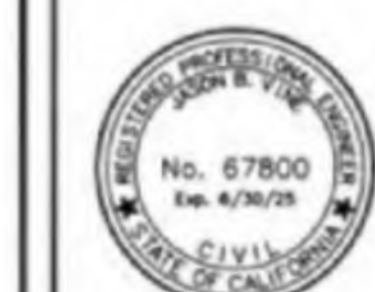
GLENN COUNTY ENGINEER

Revisions:

REALM ENGINEERING
CIVIL ENGINEERING, SURVEYING & PLANNING
1767 MARKET STREET SUITE C
REDDING, CA 96001
530-526-7493



PLANS PREPARED UNDER
THE SUPERVISION OF:



CONDITIONAL USE PERMIT SITE PLAN

PROJECT BY:

DATE PLOTTED: 10/09/24

SCALE OF DRAWING: SEE PLAN

JOB NUMBER:

CADD FILE:

SHEET:

C1

GLENN COUNTY

Planning & Community Development Services Agency

225 N. Tehama Street
Willows, CA 95988
530.934.6540 Fax 530.934.6533
www.countyofglenn.net



Mardy Thomas, Director

Wayne McFarland
1625 Broadway Street
Suite 119
Fresno, CA 93721

wmcf@syntechbioenergy.com
(815) 513-3363

**RE: Conditional Use Permit 2024-004,
Carriere/Syntech CF1, LLC Advanced Thermal Conversion
SCH#: 2024120076**

December 20, 2024

To Applicant,

This letter is to provide (attached) agency comments received to date as a result of the Conditional Use Permit 2024-004, Carriere/Syntech CF1, LLC Advanced Thermal Conversion [Request for Review](#) / [Early Consultation](#) process. It should be noted that the comments received to date are the preliminary comments and additional comments may be received during further required review processes.

Transportation:

Caltrans has commented that a Traffic Impact Study (TIS) among other times includes information regarding anticipated project trip generations, trip distributions, and anticipated queuing. This project analysis will also require review/environmental analysis regarding vehicle miles traveled, vehicle routes, Green House Gas Emissions, and the existing/proposed route conditions.

Therefore, in order to support the environmental review data of possible impacts from the project traffic on the road system, the applicant shall submit a completed Traffic Impact Study/Analysis conducted by a professional transportation consulting firm. The Traffic Impact Study/Analysis shall also include, but not limited to, all items as noted in the Caltrans comment letter(s) as well as, recommended Conditions of Approval and/or Mitigation Measures to offset plausible traffic and road impacts.

Water Quality/Onsite Septic Capacity:

The total water usage/wastewater volumes are not specifically addressed in the application documents. This is not being required at this time; however, it is yet to be determined if the property can support the proposed number of persons and ancillary wastewater uses. The Glenn County the Environmental Health Department (EHD) has commented that, existing onsite wastewater treatment systems (OWTS) shall be

expanded and/or new OWTS shall be installed to accommodate the increase in employees. All OWTS shall be permitted and approved by the EHD.

Water Supply:

Onsite ground water wells used to supply water to the proposed facility, construction workers, and operation employees shall be permitted and regulated by the Glenn County EHD and/or the State Water Resource Control Board (SWRCB), Division of Drinking Water. Although comments from the State Water Resources Control Board have yet to be received; based on the projected persons at the location, this facility may be classified as a Public Water System, and may be required to obtain a drinking water permit from the State Water Resources Control Board, Division of Drinking Water. It is recommended that the applicant contact Glenn County EHD and the following for additional information:

District 21 - Reese Crenshaw, 364 Knollcrest Dr., Ste 101 Redding CA, 96002
(530) 224-4800

Solid Waste Permit:

The proposed Advanced Thermal Conversion project shall be approved, regulated and have a solid waste permit thru the Environmental Health Department (EHD) with concurrence/oversight by CalRecycle.

Air Pollution Control

The facility will be required to modify the existing District Permit to Operate. The first step in this process is to complete and submit an Authorization to Construct (ATC) application prior to construction. The application is available at www.countyofglenn.net/APCD . All new sources of air pollution and the air pollution control equipment including emissions estimates should be included in the ATC application.

Gas and Electric Transmission and Distribution

The PG&E preliminary review indicates the proposed improvements do not appear to directly interfere with existing PG&E facilities or impact our easement rights. With that stated the PG&E correspondence(s) include numerous items that should be fully reviewed and may require addressing.

Noise:

The Glenn County General Plan Noise Element provides a basis for local policies to control and abate environmental noise, and to protect the citizens of Glenn County from excessive noise exposure by enforcing its Noise Ordinance (County Code Chapter 15.56.100). The application states the site will have compressors and auger motors that will not exceed the existing noise and vibration already on-site. The provided information does not analyze noise levels created due to proposed operations. For example, decibels anticipated at the property lines. The project is required to comply with the Glenn County Noise Code(s).

Public Services:

The project analysis is to include review of impacts associated with public services and facilities in order to maintain acceptable service ratios, response times or other performance objectives including but not limited to police and fire protection. Further information/analysis is required to in order to determine if the proposal could include or

require the installation or maintenance of associated infrastructure such as fuel breaks, emergency water sources, power lines or other utilities; including if the proposal and safety measures reflect the capacity of the local fire protection district to respond to an incident which may entail specific equipment and/or training.

Agricultural Statement of Acknowledgment:

The applicant/landowner is notified of Glenn County Code 15.58 Right to Farm and Section 15.58.030 which requires the Agricultural Statement of Acknowledgment to be recorded. A signed, notarized, and recorded copy of the Agricultural Statement of Acknowledgment is being requested to be included with the Conditional Use Permit application.

Written Notice:

Limited additional progress can be taken on the project analysis regarding the particular items listed until responses from the applicant are received. More specifically, a completed Traffic Impact Study/Analysis conducted by a professional Transportation Consulting firm is submitted, and the items are addressed/responded to. In order to continue the Conditional Use Permit process, please provide all the agencies requested and required information to the Glenn County Planning Division in a timely manner.

If you have any questions, please contact the Glenn County Planning & Community Development Services Agency at (530) 934-6540 to discuss actions towards completing the application requirements.

Sincerely,
Andy Popper,
Principal Planner
apopper@countyofglenn.net

Ec:
Wayne McFarland wmcf@syntechbioenergy.com;
Jim Quan jquan@synteches.com
Bill Carriere wcarriere@carrirefarms.com

planning@countyofglenn.net ; MSkelton@countyofglenn.net; KBackus@countyofglenn.net;
MBiggs@countyofglenn.net; LNiehues@countyofglenn.net; publicworks@countyofglenn.net;
gcsoadmin@countyofglenn.net; TRichardson@countyofglenn.net;
gcbuilding@countyofglenn.net; acordova@countyofglenn.net; steve.u.chung@navy.mil;
PGEPlanReview@pge.com; THPO@paskenta.org; lbill@paskenta.org;
greg@glenncountyrca.org; Jerred.Ferguson@Waterboards.ca.gov; dramirez@mechoopda-nsn.gov;
environmental@countyofglenn.net; andrew.dove@waterboards.ca.gov;
dlrp@conservation.ca.gov; R2CEQA@wildlife.ca.gov; joe.monson@cdfa.ca.gov;
CalfireTGUFireMarshal@fire.ca.gov; D3.local.development@dot.ca.gov;
notifydwr@water.ca.gov; Nevin.Yeates@CalRecycle.ca.gov; John.Loane@CalRecycle.ca.gov;
cicc@colusa-nsn.gov; Charlene.Wardlow@conservation.ca.gov; jeff.lindberg@arb.ca.gov;
Joseph.Hunt@dtsc.ca.gov; matthew.lima@glenncodorafire.com; admin@glenncodorafire.com;
randjhansen@pulsarco.com; angelina.healy@dot.ca.gov; [Dhatt, Satwinder K@DOT](mailto:Dhatt,Satwinder K@DOT)
satwinder.dhatt@dot.ca.gov; gary.arnold@dot.ca.gov; [Fong, Alexander Y@DOT](mailto:Fong,Alexander Y@DOT)
<alexander.fong@dot.ca.gov>

Andy Popper

From: Hosea, Robert@Wildlife <Robert.Hosea@Wildlife.ca.gov>
Sent: Monday, December 9, 2024 7:57 AM
To: Andy Popper
Cc: Wildlife R2 CEQA
Subject: Conditional Use Permit 2024-004, Carriere/Syntech CF1, LLC Advanced Thermal Conversion

You don't often get email from robert.hosea@wildlife.ca.gov. [Learn why this is important](#)

Mr. Popper-

The California Department of Fish and Wildlife has reviewed the proposed project subject to Conditional Use Permit 2024-004 and has no comments at this time. Please keep Mr. Robert Hosea informed if there are changes or expansion plans made to the proposed project. Thank you for the opportunity to review and comment on the proposed project.

-Robert (Bob) Hosea, Environmental Scientist
North Central Region. Habitat Conservation Program
California Department of Fish and Wildlife
(530) 708-1199

Andy Popper

From: CALFIRE TGU Tehama Glenn Fire Marshal <CalfireTGUFireMarshal@fire.ca.gov>
Sent: Monday, December 2, 2024 9:24 AM
To: Andy Popper
Subject: RE: Conditional Use Permit 2024-004, Carriere/Syntech CF1, LLC Advanced Thermal Conversion, Request for Review

Hello Andy,

This project is located in the Local Responsibility Area (LRA), there for CAL FIRE does not have any jurisdictional authority for this project.

Thank you,



Brian Wright

Battalion Chief
Tehama Glenn Unit
633 Washington St. RM 22
Red Bluff, CA 96080
(530) 527-7986 Office



From: Andy Popper <APopper@countyofglenn.net>
Sent: Tuesday, November 26, 2024 4:49 PM
Cc: Planning Email Group <Planning@countyofglenn.net>
Subject: Conditional Use Permit 2024-004, Carriere/Syntech CF1, LLC Advanced Thermal Conversion, Request for Review

Warning: this message is from an external user and should be treated with caution.

To Whom it May Concern,

Please accept the following Request for Review/Early Consultation for commenting.

[Conditional Use Permit 2024-004, Carriere/Syntech CF1, LLC Advanced Thermal Conversion, Request for Review](#)

Comments are being requested by Tuesday, December 17, 2024.
Thank you for your time and consideration regarding this matter.

Sincerely,
Andy Popper, Principal Planner
<https://www.countyofglenn.net/>
Glenn County Planning &
Community Development Services Agency

225 North Tehama Street
Willows, CA 95988
530-934-6540

Andy Popper

From: Dhatt, Satwinder K@DOT <satwinder.dhatt@dot.ca.gov> on behalf of D3 Local Development@DOT <D3.local.development@dot.ca.gov>
Sent: Thursday, December 19, 2024 8:57 AM
To: Andy Popper
Cc: Arnold, Gary S@DOT; Fong, Alexander Y@DOT
Subject: Caltrans District 3 LDR Response: Conditional Use Permit 2024-004, Carriere/Syntech CF1, LLC Advanced Thermal Conversion
Attachments: Caltrans Comments Letter - Conditional Use Permit 2024-004 CarriereSyntech.pdf

Hi Andy,

Thank you for including the California Department of Transportation (Caltrans) in the review process of Conditional Use Permit 2024-004, Carriere/Syntech CF1, LLC Advanced Thermal Conversion project. Attached you will find our comments regarding this project.

Please provide our office with copies of any further actions regarding this project as we would appreciate the opportunity to review and comment on any changes related to this project.

Should you have questions regarding these comments or require additional information, please contact me, Local Development Review and System Planning Coordinator, by phone (530) 821-8261 or via email at D3.local.development@dot.ca.gov.

Thank you!

Satwinder Dhatt
Local Development Review and Complete Streets
Division of Planning, Local Assistance, and Sustainability
California Department of Transportation, District 3
703 B Street, Marysville, CA 95901
(530) 821-8261

California Department of Transportation

DISTRICT 3
703 B STREET | MARYSVILLE, CA 95901-5556
(530) 821-8401
www.dot.ca.gov



December 19, 2024

GTS# 03-GLE-2024-00115
SCH# 2024120076

Mr. Andy Popper, Principal Planner
Glenn County
Planning & Community Development Services Agency
225 North Tehama Street
Willows, CA 95988

Conditional Use Permit 2024-004, Carriere/Syntech CF1, LLC Advanced Thermal Conversion

Dear Mr. Popper,

Thank you for including the California Department of Transportation (Caltrans) in the review process for the project referenced above. We reviewed this local development for impacts to the State Highway System (SHS) in keeping with our mission, vision, and goals, some of which includes addressing equity, climate change, and safety, as outlined in our statewide plans such as the California Transportation Plan, Caltrans Strategic Plan, and Climate Action Plan for Transportation Infrastructure.

The project is located at 1640 State Highway 45, south of the community of Glenn; located on the east side of State Route (SR) 45, south of the County Road 52, west of the Sacramento River, and north of County Road 54, in the unincorporated area of Glenn County, California. The project will operate on a 24/7 basis to remediate up to 135,000 tons a year of waste walnut shells (WWS) from an existing onsite walnut shelling facility into approximately 1,041,000 MMBtu/year of Renewable Natural Gas (RNG), which will then be compressed into a mobile storage trailer and then transported an existing walnut huller/dryer facility to be injected into a Pacific Gas & Electric (PG&E) pipeline. Walnut shells will be moved to the ATC site via an enclosed conveyor system to a secondary waste walnut shell storage building used specifically for the ATC process. Based on the Early Consultation package provided, Caltrans has the following requests and recommendations:

Highway Operations & Traffic Safety

- Trip Generation: Please provide an estimate of the number of trips generated by the project for all vehicles and trucks including:
 - Trucks transporting compressed RNG to the PG&E pipeline facility.
 - Vehicles or trucks transporting walnut shells from the project.
 - Potential maintenance and supply vehicles.
- Trip Distribution: For the trips generated from the project site, please identify the routes the trucks and vehicles will use and identify any potential impacts to SR 45, County Road 54, and project driveway intersections.
- Project Driveway. Truck trips should be converted into Passenger Car Equivalent (PCE) of 3 PCE per truck. Caltrans may require northbound and/or southbound turn/deceleration lanes for safety concerns.
- Turn Radius and Maneuverability: Please indicate that intersections and access points can safely accommodate truck movements and provide an Auto-Turn truck analysis template to demonstrate maneuverability.
- If any work is done on the driveways from SR 45 to the project site, please inform Caltrans as that may require traffic control plans to be provided.

Encroachment Permit

Any project or work, including access modification and drainage work, that takes place along or within the State's right of way (ROW) requires an encroachment permit issued by Caltrans. To apply, a completed encroachment permit application, environmental documentation, and five sets of plans clearly indicating State ROW must be submitted to Encroachment Permits Offices as indicated below:

Hikmat Bsaibess
California Department of Transportation
District 3, Office of Permits
703 B Street
Marysville, CA 95901
D3encpermit@dot.ca.gov

Please provide our office with copies of any further actions regarding this proposal. We would appreciate the opportunity to review and comment on any changes related to this development.

Mr. Andy Popper, Principal Planner
December 19, 2024
Page 3

If you have any questions regarding these comments or require additional information, please contact Satwinder Dhatt, Local Development Review Coordinator, by phone (530) 821-8261 or via email at satwinder.dhatt@dot.ca.gov.

Sincerely,

Alexander Fong

for GARY ARNOLD, Branch Chief
Local Development Review and Complete Streets
Division of Planning, Local Assistance, and Sustainability
California Department of Transportation, District 3

California Department of Transportation

DISTRICT 3
703 B STREET | MARYSVILLE, CA 95901-5556
(530) 821-8401 | www.dot.ca.gov



December 20, 2024

GTS # 03-GLE-2024-00113

Andy Popper, Principal Planner
Planning & Community Development Services Agency
Glenn County
225 North Tehama Street
Willows, CA 95988

Carriere Farms / Syntech CF1, LLC., Advanced Thermal Conversion (CUP 2024-004)

Dear Mr. Popper,

Thank you for including the California Department of Transportation (Caltrans) in the review process for the project referenced above. We reviewed this local development for impacts to the State Highway System (SHS) in keeping with our mission, vision, and goals, some of which includes addressing equity, climate change, and safety, as outlined in our statewide plans such as the California Transportation Plan, Caltrans Strategic Plan, and Climate Action Plan for Transportation Infrastructure.

The project contains two sites. The first site is located at 1640 State Route (SR) 45, south of the community of Glenn. It abuts the northbound lane of SR 45, south of County Road 52, west of the Sacramento River and north of County Road 54 in the unincorporated area of Glenn County. The second site is just west of site one, abutting the eastbound lane of SR 162, east of County "V" Road and west of County "W" Road.

This project is requesting a Conditional Use Permit (#2024-004) for Carriere Farms / Syntech CF1, LLC. to operate an Advanced Thermal Conversion (ATC) facility. The ATC project will operate on a 24/7 basis to remediate up to 135,000 tons a year of waste walnut shells (WWS) from an existing, onsite walnut shelling facility into approximately 1,041,000 MMBtu/year of Renewable Natural Gas (RNG), which will then be compressed into a mobile storage trailer and then transported to an existing walnut huller/dryer facility to be injected into a PG&E pipeline. The RNG project, called SynTech CF1, will include the following four main operational components: 1. Organic Feedstock to Syngas Conversion 2. Biochar Transfer and Storage Facility 3. Collection of Syngas and upgrade to Pipeline Quality RNG 4. Pipeline RNG Storage and Transfer Facility Walnut shells will be moved to the ATC site via an enclosed conveyor system to a secondary waste walnut shell storage building used specifically for the ATC process. The project will draw power from the local utility grid during normal operation. In grid

power interruption, a natural gas and/or syngas fueled emergency generator will power essential safety and operational systems until grid power is restored. The biochar byproduct of the ATC process will be approximately 4% by volume of the WWS volume converted or remediated in the process and will be collected in 500 lb. storage containers for storage and shipment. Based on the Early Consultation and document review request, Caltrans has the following requests and recommendations:

Highway Operations / Forecasting & Modeling

- Please provide a Traffic Impact Study (TIS) that includes information regarding anticipated project trip generations, trip distributions, and anticipated queuing.
- Please use the Institute of Transportation Engineering (ITE) Trip Generation Manual for this analysis.
- Please clarify whether the applicant plans to use existing accesses or creating new one(s).
- Please ensure that the design vehicle is appropriate, based off the Truck Networks on California State Highways Map for District 3 (Link: <https://dot.ca.gov/programs/traffic-operations/legal-truck-access/truck-network-map>).
- Please provide information for review about the design vehicle(s) that will be used at these sites.

Comments for sheet C1 (page 57/60) off SR 45 and for sheet C1 (page 60/60) off SR 162. If the driveway access is from the SHS:

- Please provide information regarding driveway access to and from both sites. This information should be in a site plans.
- Please show proper dimension of all driveways. Ensure that the driveways follow guidance outlined in the California Highway Design Manual (HDM).
- Please provide AutoTurn CAD templates, using the correct design vehicle, showing the design vehicle entering and exiting the site plans.

Right of Way Engineering

All connections to the SHS will require mapping. As the project moves forward, Caltrans will request plans showing the State right of way (ROW) delineated with bearings, distances along with SR boundary determination. Caltrans ROW Record Maps mapping are available by contacting the District 3 ROW Map counter at: d3rwmaprequest@dot.ca.gov.

Encroachment Permit

Any project along or within the State's ROW requires an encroachment permit issued by Caltrans.

- The applicant must provide necessary documents and mitigate any environmental, cultural resources, traffic operations, hydraulics, etc. effects on the State's highway ROW.
- Facilities proposed within the State ROW necessitate a Maintenance Agreement with the local entity.

Any work performed within the State's highway ROW must meet all Caltrans design and construction standards and will require a Caltrans' Encroachment Permit. A pre-application meeting with the encroachment permits unit is required (D3encpermit@dot.ca.gov).

If you have any question regarding these comments or require additional information, please contact Angelina Healy, Local Development Review Coordinator, by phone (530) 790-8138 or via email at D3.Local.Development@dot.ca.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read "Gary S. Arnold", is positioned above the typed name.

Gary S. Arnold, Branch Chief
Local Development Review and Complete Streets
Division of Planning, Local Assistance, and Sustainability
Caltrans District 3

Andy Popper

From: Allyson Smith
Sent: Monday, December 16, 2024 3:06 PM
To: Andy Popper
Subject: Comments on Conditional Use Permit 2024-004
Attachments: CUP2024-004 Syntech.docx

Hi Andy,

Please see comments regarding the Carriere/Syntech CF1, LLC Advanced Thermal Conversion project.

The District has been speaking with companies and consultants over the past few years about biomass projects at Carriere. We are excited to see this finally get to the planning stage.

Sincerely,

Allyson Smith
Environmental Program Manager
Glenn County Air Pollution Control District
720 N. Colusa Street
Willows, CA 95988
asmith@countyofglenn.net
office (530) 934-6500
fax (530) 934-6503



COUNTY OF GLENN

Air Pollution Control District

Marcie Skelton, Air Pollution Control Officer/CUPA Director
720 N. Colusa Street ♦ P.O. Box 351 ♦ Willows, CA 95988
(530) 934-6500 ♦ Fax (530) 934-6503
www.countyofglenn.net

Date: December 13, 2024
Project: Conditional Use Permit 2024-004, Carriere/Syntech CF1, LLC Advanced Thermal Conversion
Planner: Andy Popper, Principal Planner
Applicant: Wayne McFarland for Carriere Family Farms

Mr. Popper,

The Glenn County Air Pollution Control District (District) has the following comments regarding the application for Conditional Use Permit, Carriere/Syntech CF1, LLC Advanced Thermal Conversion (ATC) project. The District has been in contact with representatives at Syntech beginning in spring 2024 regarding this project.

- The District is writing to express our full support for the ATC project being developed by Syntech at Carriere Family Farms. As an organization dedicated to sustainable energy solutions and environmental conservation, we recognize the tremendous benefits that biogas technology can provide to communities, industries, and the environment. By converting organic waste into clean energy, this initiative not only helps to address critical issues related to waste management but also contributes to reducing greenhouse gas emissions, improving local air quality, and creating new economic opportunities. We strongly believe that the successful implementation of this project will serve as a model for other regions and businesses seeking to transition to sustainable energy practices.
- The facility will be required to modify their existing District Permit to Operate. The first step in this process is to complete and submit an Authorization to Construct (ATC) application prior to construction. The application is available on our website www.countyofglenn.net/APCD. All new sources of air pollution and the air pollution control equipment including emissions estimates should be included in the ATC application.

Please contact me with any questions or comments that you or anyone else may have.

Regards,

Allyson Smith
Environmental Program Manager

GLENN COUNTY

Planning & Community Development Services Agency Environmental Health Department

225 N Tehama St.
Willows, CA 95988
Tel: 530.934.6102 Fax: 530.934.6103
www.countyofglenn.net



Mardy Thomas, Director

Date: December 17, 2024

To: Andy Popper, Principal Planner
Glenn County Planning & Community Development Services Agency (PCDSA)
(Via Email)

From: Kevin Backus, REHS
Director, Glenn County PCDSA - Environmental Health Department

Re: CUP 2024-004, Carriere/Syntech CF1 LLC, Advanced Thermal Conversion APN 016-030-011 and
016-090-016

We have reviewed the application information for the project noted above and recommend it be found complete for further processing. We have the following comments/requirements:

1. The proposed Advanced Thermal Conversion project shall be approved, regulated and have a solid waste permit thru the Environmental Health Department (EHD) with concurrence/oversight by CalRecycle.
2. Existing onsite wastewater treatment systems (OWTS) shall be expanded and/or new OWTS shall be installed to accommodate the increase in employees. All OWTS shall be permitted and approved by the Environmental Health Department (EHD).
3. In addition, facilities shall be provided to accommodate workers during construction of the project. These facilities shall be approved by the EHD.
4. Water wells used to supply potable water shall meet current construction requirements, be permitted and regulated by the EHD or the State Water Resource Control Board (SWRCB), Division of Drinking Water. Contact EHD and SWRCB to determine appropriate level of regulation.
5. All garbage, rubbish and refuse created, produced or accumulated during construction, at the proposed facility and/or on the property shall be removed by a permitted waste hauler or taken to a permitted facility at least once each week. All garbage shall be kept in a container with a close-fitting cover, without leakage or escape of odors.

Please contact Environmental Health at 530-934-6102 with any questions on the above requirements for this project.



PUBLIC WORKS AGENCY

P.O. Box 1070 / 777 N. Colusa Street
Willows, CA 95988

Airports
Engineering
Flood Control
Roads & Bridges
Solid Waste
Surveyor

December 11, 2024

Glenn County Planning and
Community Development Services
777 N. Colusa Street
Willows, CA 95988

Attn: Andy Popper, Principal Planner

Subject: Conditional Use Permit 2024-004 – Carriere / Syntech CF1, LLC

Comments

None

Conditions

None

A handwritten signature in black ink that reads "Michael Biggs". The signature is written in a cursive style.

Michael Biggs
Engineering Technician III
Glenn County Public Works

Andy Popper

From: Dennis Ramirez <dramirez@mechoopda-nsn.gov>
Sent: Wednesday, November 27, 2024 8:48 AM
To: Andy Popper
Cc: Planning Email Group
Subject: Re: Conditional Use Permit 2024-004, Carriere/Syntech CF1, LLC Advanced Thermal Conversion, Request for Review

Happy Thanksgiving Andy,
I hope you and your family are doing well?!
No concerns from Mechoopda Indian Tribe.
Dennis Ramirez
Tribal Chairman
Mechoopda Indian Tribe
1920 Alcott Ave
Chico, California 95928
(530) 899-8922 ext 215
Cell (530)514-1582
Email: dramirez@mechoopda-nsn.gov
Official website: <http://www.mechoopda-nsn.gov/>
Facebook: <http://www.facebook.com/mechoopda.tribe>

Sent from my iPhone

On Nov 26, 2024, at 4:49 PM, Andy Popper <APopper@countyofglenn.net> wrote:

To Whom it May Concern,

Please accept the following Request for Review/Early Consultation for commenting.

[Conditional Use Permit 2024-004, Carriere/Syntech CF1, LLC Advanced Thermal Conversion, Request for Review](#)

Comments are being requested by Tuesday, December 17, 2024.
Thank you for your time and consideration regarding this matter.

Sincerely,
Andy Popper, Principal Planner
<https://www.countyofglenn.net/>
Glenn County Planning &
Community Development Services Agency
225 North Tehama Street
Willows, CA 95988
530-934-6540

Andy Popper

From: PGE Plan Review <PGEPlanReview@pge.com>
Sent: Monday, December 2, 2024 11:00 AM
To: Andy Popper
Subject: RE: Conditional Use Permit 2024-004, Carriere/Syntech CF1, LLC Advanced Thermal Conversion, Request for Review
Attachments: Initial_Response_Letter_12-1-2024.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Classification: Internal

Dear Andy Popper,

Thank you for submitting the CUP 2024-004 plans. The PG&E Plan Review Team is currently reviewing the information provided. Should this project have the potential to interfere with PG&E's facilities, we intend to respond to you with project specific comments. Attached is some general information when working near PG&E facilities that must be adhered to when working near PG&E's facilities and land rights.

This email and attachment does not constitute PG&E's consent to use any portion of PG&E's land rights for any purpose not previously conveyed. If there are subsequent modifications made to your design, we ask that you resubmit the plans to the email address listed below.

If you have any questions regarding our response, please contact the PG&E Plan Review Team at pgeplanreview@pge.com.

Thank you,



Pacific Gas and Electric Company
Plan Review Team
Email: pgeplanreview@pge.com

From: Andy Popper <APopper@countyofglenn.net>
Sent: Tuesday, November 26, 2024 4:49 PM
Cc: Planning Email Group <Planning@countyofglenn.net>
Subject: Conditional Use Permit 2024-004, Carriere/Syntech CF1, LLC Advanced Thermal Conversion, Request for Review

CAUTION: EXTERNAL SENDER!

This email was sent from an EXTERNAL source. Do you know this person? Are you expecting this email? Are you expecting any links or attachments? If suspicious, do not click links, open attachments, or provide credentials. Don't delete it. **Report it by using the "Report Phish" button.**

To Whom it May Concern,

Please accept the following Request for Review/Early Consultation for commenting.

[Conditional Use Permit 2024-004, Carriere/Syntech CF1, LLC Advanced Thermal Conversion, Request for Review](#)

Comments are being requested by Tuesday, December 17, 2024.
Thank you for your time and consideration regarding this matter.

Sincerely,
Andy Popper, Principal Planner
<https://www.countyofglenn.net/>
Glenn County Planning &
Community Development Services Agency
225 North Tehama Street
Willows, CA 95988
530-934-6540

You can read about PG&E's data privacy practices at [PGE.com/privacy](https://www.pge.com/privacy).

December 2, 2024

Andy Popper
County of Glenn
225 North Tehama Street
Willows, CA 95988

Ref: Gas and Electric Transmission and Distribution

Dear Andy Popper,

Thank you for submitting the CUP 2024-004 plans for our review. PG&E will review the submitted plans in relationship to any existing Gas and Electric facilities within the project area. If the proposed project is adjacent/or within PG&E owned property and/or easements, we will be working with you to ensure compatible uses and activities near our facilities.

Attached you will find information and requirements as it relates to Gas facilities (Attachment 1) and Electric facilities (Attachment 2). Please review these in detail, as it is critical to ensure your safety and to protect PG&E's facilities and its existing rights.

Below is additional information for your review:

1. This plan review process does not replace the application process for PG&E gas or electric service your project may require. For these requests, please continue to work with PG&E Service Planning: <https://www.pge.com/en/account/service-requests/building-and-renovation.html>.
2. If the project being submitted is part of a larger project, please include the entire scope of your project, and not just a portion of it. PG&E's facilities are to be incorporated within any CEQA document. PG&E needs to verify that the CEQA document will identify any required future PG&E services.
3. An engineering deposit may be required to review plans for a project depending on the size, scope, and location of the project and as it relates to any rearrangement or new installation of PG&E facilities.

Any proposed uses within the PG&E fee strip and/or easement, may include a California Public Utility Commission (CPUC) Section 851 filing. This requires the CPUC to render approval for a conveyance of rights for specific uses on PG&E's fee strip or easement. PG&E will advise if the necessity to incorporate a CPUC Section 851 filing is required.

This letter does not constitute PG&E's consent to use any portion of its easement for any purpose not previously conveyed. PG&E will provide a project specific response as required.

Sincerely,

Plan Review Team
Land Management

Attachment 1 – Gas Facilities

There could be gas transmission pipelines in this area which would be considered critical facilities for PG&E and a high priority subsurface installation under California law. Care must be taken to ensure safety and accessibility. So, please ensure that if PG&E approves work near gas transmission pipelines it is done in adherence with the below stipulations. Additionally, the following link provides additional information regarding legal requirements under California excavation laws: <https://www.usanorth811.org/images/pdfs/CA-LAW-2018.pdf>

1. **Standby Inspection:** A PG&E Gas Transmission Standby Inspector must be present during any demolition or construction activity that comes within 10 feet of the gas pipeline. This includes all grading, trenching, substructure depth verifications (potholes), asphalt or concrete demolition/removal, removal of trees, signs, light poles, etc. This inspection can be coordinated through the Underground Service Alert (USA) service at 811. A minimum notice of 48 hours is required. Ensure the USA markings and notifications are maintained throughout the duration of your work.
2. **Access:** At any time, PG&E may need to access, excavate, and perform work on the gas pipeline. Any construction equipment, materials, or spoils may need to be removed upon notice. Any temporary construction fencing installed within PG&E's easement would also need to be capable of being removed at any time upon notice. Any plans to cut temporary slopes exceeding a 1:4 grade within 10 feet of a gas transmission pipeline need to be approved by PG&E Pipeline Services in writing PRIOR to performing the work.
3. **Wheel Loads:** To prevent damage to the buried gas pipeline, there are weight limits that must be enforced whenever any equipment gets within 10 feet of traversing the pipe.

Ensure a list of the axle weights of all equipment being used is available for PG&E's Standby Inspector. To confirm the depth of cover, the pipeline may need to be potholed by hand in a few areas.

Due to the complex variability of tracked equipment, vibratory compaction equipment, and cranes, PG&E must evaluate those items on a case-by-case basis prior to use over the gas pipeline (provide a list of any proposed equipment of this type noting model numbers and specific attachments).

No equipment may be set up over the gas pipeline while operating. Ensure crane outriggers are at least 10 feet from the centerline of the gas pipeline. Transport trucks must not be parked over the gas pipeline while being loaded or unloaded.

4. **Grading:** PG&E requires a minimum of 36 inches of cover over gas pipelines (or existing grade if less) and a maximum of 7 feet of cover at all locations. The graded surface cannot exceed a cross slope of 1:4.
5. **Excavating:** Any digging within 2 feet of a gas pipeline must be dug by hand. Note that while the minimum clearance is only 24 inches, any excavation work within 24 inches of the edge of a pipeline must be done with hand tools. So to avoid having to dig a trench entirely with hand tools, the edge of the trench must be over 24 inches away. (Doing the math for a 24 inch

wide trench being dug along a 36 inch pipeline, the centerline of the trench would need to be at least 54 inches [$24/2 + 24 + 36/2 = 54$] away, or be entirely dug by hand.)

Water jetting to assist vacuum excavating must be limited to 1000 psig and directed at a 40° angle to the pipe. All pile driving must be kept a minimum of 3 feet away.

Any plans to expose and support a PG&E gas transmission pipeline across an open excavation need to be approved by PG&E Pipeline Services in writing PRIOR to performing the work.

6. Boring/Trenchless Installations: PG&E Pipeline Services must review and approve all plans to bore across or parallel to (within 10 feet) a gas transmission pipeline. There are stringent criteria to pothole the gas transmission facility at regular intervals for all parallel bore installations.

For bore paths that cross gas transmission pipelines perpendicularly, the pipeline must be potholed a minimum of 2 feet in the horizontal direction of the bore path and a minimum of 24 inches in the vertical direction from the bottom of the pipe with minimum clearances measured from the edge of the pipe in both directions. Standby personnel must watch the locator trace (and every ream pass) the path of the bore as it approaches the pipeline and visually monitor the pothole (with the exposed transmission pipe) as the bore traverses the pipeline to ensure adequate clearance with the pipeline. The pothole width must account for the inaccuracy of the locating equipment.

7. Substructures: All utility crossings of a gas pipeline should be made as close to perpendicular as feasible ($90^\circ \pm 15^\circ$). All utility lines crossing the gas pipeline must have a minimum of 24 inches of separation from the gas pipeline. Parallel utilities, pole bases, water line 'kicker blocks', storm drain inlets, water meters, valves, back pressure devices or other utility substructures are not allowed in the PG&E gas pipeline easement.

If previously retired PG&E facilities are in conflict with proposed substructures, PG&E must verify they are safe prior to removal. This includes verification testing of the contents of the facilities, as well as environmental testing of the coating and internal surfaces. Timelines for PG&E completion of this verification will vary depending on the type and location of facilities in conflict.

8. Structures: No structures are to be built within the PG&E gas pipeline easement. This includes buildings, retaining walls, fences, decks, patios, carports, septic tanks, storage sheds, tanks, loading ramps, or any structure that could limit PG&E's ability to access its facilities.

9. Fencing: Permanent fencing is not allowed within PG&E easements except for perpendicular crossings which must include a 16 foot wide gate for vehicular access. Gates will be secured with PG&E corporation locks.

10. Landscaping: Landscaping must be designed to allow PG&E to access the pipeline for maintenance and not interfere with pipeline coatings or other cathodic protection systems. No trees, shrubs, brush, vines, and other vegetation may be planted within the easement area. Only those plants, ground covers, grasses, flowers, and low-growing plants that grow unsupported to a maximum of four feet (4') in height at maturity may be planted within the easement area.



11. Cathodic Protection: PG&E pipelines are protected from corrosion with an “Impressed Current” cathodic protection system. Any proposed facilities, such as metal conduit, pipes, service lines, ground rods, anodes, wires, etc. that might affect the pipeline cathodic protection system must be reviewed and approved by PG&E Corrosion Engineering.

12. Pipeline Marker Signs: PG&E needs to maintain pipeline marker signs for gas transmission pipelines in order to ensure public awareness of the presence of the pipelines. With prior written approval from PG&E Pipeline Services, an existing PG&E pipeline marker sign that is in direct conflict with proposed developments may be temporarily relocated to accommodate construction work. The pipeline marker must be moved back once construction is complete.

13. PG&E is also the provider of distribution facilities throughout many of the areas within the state of California. Therefore, any plans that impact PG&E’s facilities must be reviewed and approved by PG&E to ensure that no impact occurs which may endanger the safe operation of its facilities.

Attachment 2 – Electric Facilities

It is PG&E's policy to permit certain uses on a case by case basis within its electric transmission fee strip(s) and/or easement(s) provided such uses and manner in which they are exercised, will not interfere with PG&E's rights or endanger its facilities. Some examples/restrictions are as follows:

1. **Buildings and Other Structures:** No buildings or other structures including the foot print and eave of any buildings, swimming pools, wells or similar structures will be permitted within fee strip(s) and/or easement(s) areas. PG&E's transmission easement shall be designated on subdivision/parcel maps as **"RESTRICTED USE AREA – NO BUILDING."**
2. **Grading:** Cuts, trenches or excavations may not be made within 25 feet of our towers. Developers must submit grading plans and site development plans (including geotechnical reports if applicable), signed and dated, for PG&E's review. PG&E engineers must review grade changes in the vicinity of our towers. No fills will be allowed which would impair ground-to-conductor clearances. Towers shall not be left on mounds without adequate road access to base of tower or structure.
3. **Fences:** Walls, fences, and other structures must be installed at locations that do not affect the safe operation of PG&E's facilities. Heavy equipment access to our facilities must be maintained at all times. Metal fences are to be grounded to PG&E specifications. No wall, fence or other like structure is to be installed within 10 feet of tower footings and unrestricted access must be maintained from a tower structure to the nearest street. Walls, fences and other structures proposed along or within the fee strip(s) and/or easement(s) will require PG&E review; submit plans to PG&E Centralized Review Team for review and comment.
4. **Landscaping:** Vegetation may be allowed; subject to review of plans. On overhead electric transmission fee strip(s) and/or easement(s), plant only low-growing shrubs under the wire zone and only grasses within the area directly below the tower. Along the border of the transmission line right-of-way, plant only small trees no taller than 10 feet in height at maturity. PG&E must have access to its facilities at all times, including access by heavy equipment. No planting is to occur within the footprint of the tower legs. Greenbelts are encouraged.
5. **Reservoirs, Sumps, Drainage Basins, and Ponds:** Prohibited within PG&E's fee strip(s) and/or easement(s) for electric transmission lines.
6. **Automobile Parking:** Short term parking of movable passenger vehicles and light trucks (pickups, vans, etc.) is allowed. The lighting within these parking areas will need to be reviewed by PG&E; approval will be on a case by case basis. Heavy equipment access to PG&E facilities is to be maintained at all times. Parking is to clear PG&E structures by at least 10 feet. Protection of PG&E facilities from vehicular traffic is to be provided at developer's expense AND to PG&E specifications. Blocked-up vehicles are not allowed. Carports, canopies, or awnings are not allowed.
7. **Storage of Flammable, Explosive or Corrosive Materials:** There shall be no storage of fuel or combustibles and no fueling of vehicles within PG&E's easement. No trash bins or incinerators are allowed.

8. Streets and Roads: Access to facilities must be maintained at all times. Street lights may be allowed in the fee strip(s) and/or easement(s) but in all cases must be reviewed by PG&E for proper clearance. Roads and utilities should cross the transmission easement as nearly at right angles as possible. Road intersections will not be allowed within the transmission easement.

9. Pipelines: Pipelines may be allowed provided crossings are held to a minimum and to be as nearly perpendicular as possible. Pipelines within 25 feet of PG&E structures require review by PG&E. Sprinklers systems may be allowed; subject to review. Leach fields and septic tanks are not allowed. Construction plans must be submitted to PG&E for review and approval prior to the commencement of any construction.

10. Signs: Signs are not allowed except in rare cases subject to individual review by PG&E.

11. Recreation Areas: Playgrounds, parks, tennis courts, basketball courts, barbecue and light trucks (pickups, vans, etc.) may be allowed; subject to review of plans. Heavy equipment access to PG&E facilities is to be maintained at all times. Parking is to clear PG&E structures by at least 10 feet. Protection of PG&E facilities from vehicular traffic is to be provided at developer's expense AND to PG&E specifications.

12. Construction Activity: Since construction activity will take place near PG&E's overhead electric lines, please be advised it is the contractor's responsibility to be aware of, and observe the minimum clearances for both workers and equipment operating near high voltage electric lines set out in the High-Voltage Electrical Safety Orders of the California Division of Industrial Safety (<https://www.dir.ca.gov/Title8/sb5g2.html>), as well as any other safety regulations. Contractors shall comply with California Public Utilities Commission General Order 95 (http://www.cpuc.ca.gov/gos/GO95/go_95_startup_page.html) and all other safety rules. No construction may occur within 25 feet of PG&E's towers. All excavation activities may only commence after 811 protocols has been followed.

Contractor shall ensure the protection of PG&E's towers and poles from vehicular damage by (installing protective barriers) Plans for protection barriers must be approved by PG&E prior to construction.

13. PG&E is also the owner of distribution facilities throughout many of the areas within the state of California. Therefore, any plans that impact PG&E's facilities must be reviewed and approved by PG&E to ensure that no impact occurs that may endanger the safe and reliable operation of its facilities.

Andy Popper

From: PGE Plan Review <PGEPlanReview@pge.com>
Sent: Tuesday, December 17, 2024 6:27 AM
To: Andy Popper
Subject: RE: Conditional Use Permit 2024-004, Carriere/Syntech CF1, LLC Advanced Thermal Conversion, Request for Review
Attachments: No_Impact_Response_12-17-2024.pdf

Classification: Internal

Dear Andy Popper,

Attached is our response to your proposed project.

Thank you,



Pacific Gas and Electric Company
Plan Review Team
Email: pgeplanreview@pge.com

From: Andy Popper <APopper@countyofglenn.net>
Sent: Tuesday, November 26, 2024 4:49 PM
Cc: Planning Email Group <Planning@countyofglenn.net>
Subject: Conditional Use Permit 2024-004, Carriere/Syntech CF1, LLC Advanced Thermal Conversion, Request for Review

CAUTION: EXTERNAL SENDER!

This email was sent from an EXTERNAL source. Do you know this person? Are you expecting this email? Are you expecting any links or attachments? If suspicious, do not click links, open attachments, or provide credentials. Don't delete it. **Report it by using the "Report Phish" button.**

To Whom it May Concern,

Please accept the following Request for Review/Early Consultation for commenting.

[Conditional Use Permit 2024-004, Carriere/Syntech CF1, LLC Advanced Thermal Conversion, Request for Review](#)

Comments are being requested by Tuesday, December 17, 2024.
Thank you for your time and consideration regarding this matter.

Sincerely,
Andy Popper, Principal Planner
<https://www.countyofglenn.net/>
Glenn County Planning &
Community Development Services Agency
225 North Tehama Street

Willows, CA 95988
530-934-6540

You can read about PG&E's data privacy practices at [PGE.com/privacy](https://www.pge.com/privacy).

December 17, 2024

Andy Popper
Glenn County Planning
225 North Tehama Street
Willows, CA 95988

Re: Conditional Use Permit 2024-004
Carriere/Syntech CF1, LLC

Dear Andy Popper,

Thank you for providing PG&E the opportunity to review the proposed plans for Conditional Use Permit 2024-004 dated 11/26/2024. Our review indicates the proposed improvements do not appear to directly interfere with existing PG&E facilities or impact our easement rights.

Please note this is our preliminary review and PG&E reserves the right for additional future review as needed. This letter shall not in any way alter, modify, or terminate any provision of any existing easement rights. If there are subsequent modifications made to the design, we ask that you resubmit the plans to the email address listed below.

If the project requires PG&E gas or electrical service in the future, please continue to work with PG&E's Service Planning department: <https://www.pge.com/cco/>.

As a reminder, before any digging or excavation occurs, please contact Underground Service Alert (USA) by dialing 811 a minimum of 2 working days prior to commencing any work. This free and independent service will ensure that all existing underground utilities are identified and marked on-site.

If you have any questions regarding our response, please contact the PG&E Plan Review Team at pgeplanreview@pge.com.

Sincerely,

PG&E Plan Review Team
Land Management

Documents Received

After

Request For Review

and

Pre-Consultation

Commenting

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GLENN COUNTY

Planning & Community Development Services Agency

225 N. Tehama Street
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530.934.6540 Fax 530.934.6533
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Mardy Thomas, Director

Wayne McFarland
1625 Broadway Street
Suite 119
Fresno, CA 93721

wmcf@syntechbioenergy.com
(815) 513-3363

**RE: Conditional Use Permit 2024-004,
Carriere/Syntech CF1, LLC Advanced Thermal Conversion
SCH#: 2024120076**

December 20, 2024

To Applicant,

This letter is to provide (attached) agency comments received to date as a result of the Conditional Use Permit 2024-004, Carriere/Syntech CF1, LLC Advanced Thermal Conversion [Request for Review](#) / [Early Consultation](#) process. It should be noted that the comments received to date are the preliminary comments and additional comments may be received during further required review processes.

Transportation:

Caltrans has commented that a Traffic Impact Study (TIS) among other times includes information regarding anticipated project trip generations, trip distributions, and anticipated queuing. This project analysis will also require review/environmental analysis regarding vehicle miles traveled, vehicle routes, Green House Gas Emissions, and the existing/proposed route conditions.

Therefore, in order to support the environmental review data of possible impacts from the project traffic on the road system, the applicant shall submit a completed Traffic Impact Study/Analysis conducted by a professional transportation consulting firm. The Traffic Impact Study/Analysis shall also include, but not limited to, all items as noted in the Caltrans comment letter(s) as well as, recommended Conditions of Approval and/or Mitigation Measures to offset plausible traffic and road impacts.

The Project has retained W-Trans, a professional transportation consulting firm to provide stamped traffic impacts for the project.

W-Trans has found the project to significantly reduce overall existing traffic impacts as a result of this new use of the project site. Specifically, by eliminating all truck trips associated with transporting waste walnut shells from the site and replacing them with a significantly lower number of truck trips associated with transporting RNG to the gas

injection site.

The Project has provided a draft copy of W-Trans traffic study and will provide a stamped version next week.

Water Quality/Onsite Septic Capacity:

The total water usage/wastewater volumes are not specifically addressed in the application documents. This is not being required at this time; however, it is yet to be determined if the property can support the proposed number of persons and ancillary wastewater uses. The Glenn County the Environmental Health Department (EHD) has commented that, existing onsite wastewater treatment systems (OWTS) shall be

expanded and/or new OWTS shall be installed to accommodate the increase in employees. All OWTS shall be permitted and approved by the EHD.

The Project will expand the existing OWTS to provide for the increase in the total number of persons and ancillary waste water uses.

Water Supply:

Onsite ground water wells used to supply water to the proposed facility, construction workers, and operation employees shall be permitted and regulated by the Glenn County EHD and/or the State Water Resource Control Board (SWRCB), Division of Drinking Water. Although comments from the State Water Resources Control Board have yet to be received; based on the projected persons at the location, this facility may be classified as a Public Water System, and may be required to obtain a drinking water permit from the State Water Resources Control Board, Division of Drinking Water. It is recommended that the applicant contact Glenn County EHD and the following for additional information:

District 21 - Reese Crenshaw, 364 Knollcrest Dr., Ste 101 Redding CA, 96002
(530) 224-4800

The Project has contacted SWRCB and discussed the project with their staff. SWRCB has a new District Director, Rebecca Tabor, who I have left a message for after discussing the project with SWRCB staff. The Carriere Shelling facility already is permitted as a Public Water System with the SWRCB. Bill Carriere has provided me with both the SWRCB Public Water System Permit and the CCR also issued to Carriere.

The Project has provided both the SWRCB Public Water System permit and the SWRCB CCR to Andy Popper and Glenn County previously for their review. Please let us know if we need to send these documents again.

Solid Waste Permit:

The proposed Advanced Thermal Conversion project shall be approved, regulated and have a solid waste permit thru the Environmental Health Department (EHD) with concurrence/oversight by CalRecycle.

The Project is attaching laboratory analysis that certified the biochar produced from the Syntech BioMax ATC process using waste walnut shells as a USDA Certified Biobased Product. The attached guaranteed laboratory analysis shows that the biochar is an organic, nontoxic substance. At full production, the BioMax ATC process will produce just 15 tons a day that will be shipped to another processing site to upgrade the biochar into graphene every two days.

The process biochar will be directly placed into 500 lb. totes through enclosed conveyance equipment. The totes are lined with a liner that will prevent combustion, dust, moisture and odor. Once the totes are full, they are sealed using a airtight cap enclosure. The project has attached specification sheets for both the tote and liner to be used.

The Project is also including comments from Syntech's Chief Science Officer, Drew Manica, for Glenn County's review and use.

Air Pollution Control

The facility will be required to modify the existing District Permit to Operate. The first step

in this process is to complete and submit an Authorization to Construct (ATC) application prior to construction. The application is available at www.countyofglenn.net/APCD . All new sources of air pollution and the air pollution control equipment including emissions estimates should be included in the ATC application.

The Project has attached a completed draft Glenn County APCD Authorization to Construct to amend/modify the existing APCD PTO.

Gas and Electric Transmission and Distribution

The PG&E preliminary review indicates the proposed improvements do not appear to directly interfere with existing PG&E facilities or impact our easement rights. With that stated the PG&E correspondence(s) include numerous items that should be fully reviewed and may require addressing.

The Project will continue to work with PG&E to manage any potential impact to their facilities or easement rights.

Noise:

The Glenn County General Plan Noise Element provides a basis for local policies to control and abate environmental noise, and to protect the citizens of Glenn County from excessive noise exposure by enforcing its Noise Ordinance (County Code Chapter 15.56.100). The application states the site will have compressors and auger motors that will not exceed the existing noise and vibration already on-site. The provided information does not analyze noise levels created due to proposed operations. For example, decibels anticipated at the property lines. The project is required to comply with the Glenn County Noise Code(s).

County Code 15.56.100, does provide for an exemption for agricultural processes operated on land already zoned for agricultural uses. It would seem reasonable to find this use satisfactory for such an exemption to the Glenn County Noise Ordinance.

The Project has previously provided sound mapping documents for the County's use. Please let us know if we need to provide these documents again.

Public Services:

The project analysis is to include review of impacts associated with public services and facilities in order to maintain acceptable service ratios, response times or other performance objectives including but not limited to police and fire protection. Further information/analysis is required in order to determine if the proposal could include or

require the installation or maintenance of associated infrastructure such as fuel breaks, emergency water sources, power lines or other utilities; including if the proposal and safety measures reflect the capacity of the local fire protection district to respond to an incident which may entail specific equipment and/or training.

The Project will work with Glenn County to mitigate any impacts associated with public services and facilities, where deemed reasonable. We will await the County's Public Services analysis relative to this project.

Agricultural Statement of Acknowledgment:

The applicant/landowner is notified of Glenn County Code 15.58 Right to Farm and Section 15.58.030 which requires the Agricultural Statement of Acknowledgment to be recorded. A signed, notarized, and recorded copy of the Agricultural Statement of Acknowledgment is being requested to be included with the Conditional Use Permit application.

The Project will provide signed, notarized and recorded copy of the Agricultural Statement of Acknowledgment as requested.

Written Notice:

Limited additional progress can be taken on the project analysis regarding the particular items listed until responses from the applicant are received. More specifically, a completed Traffic Impact Study/Analysis conducted by a professional Transportation Consulting firm is submitted, and the items are addressed/responded to. In order to continue the Conditional Use Permit process, please provide all the agencies requested and required information to the Glenn County Planning Division in a timely manner.

If you have any questions, please contact the Glenn County Planning & Community Development Services Agency at (530) 934-6540 to discuss actions towards completing the application requirements.

Sincerely,
Andy Popper,
Principal Planner
apopper@countyofglenn.net

Ec:
Wayne McFarland wmcf@syntechbioenergy.com;
Jim Quan jquan@synteches.com
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gcbuilding@countyofglenn.net; acordova@countyofglenn.net; steve.u.chung@navy.mil;
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greg@glenncountyrca.org; Jerred.Ferguson@Waterboards.ca.gov; dramirez@mechoopda-nsn.gov; environmental@countyofglenn.net; andrew.dove@waterboards.ca.gov;
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CUP2024-004

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Appendix 1: SynChar™ Biochar – A Zero-Waste Process

The BioMax® ATC process at CF1 produces zero “waste”, meaning all biomass feedstock is converted into heat and two material coproducts – RNG and a high-carbon biochar, branded as SynChar™. SynChar™ biochar is produced at a yield of 4% by volume of WWS and is 100% recovered, safely stored, and transported for downstream conversion to other value-added carbon-based products. Due to the commercial value of the products and applications stemming from SynChar™, SynTech’s objective is to ensure that all the biochar produced at Carriere Farms is handled safely and sustainably to maximize the efficient use of the feedstock and to avoid any losses to the environment, aged inventory, or damage to the SynChar™ product. The following discussion explains how SynTech accomplishes this objective.

Data Sheet for Biochar

SynTech is in the process of developing a material Safety Data Sheet (SDS) for SynChar™. The key points of an SDS for biochar include product identification as “biochar,” warning about potential dust hazards, instructions to wear appropriate personal protective equipment (PPE) like respirators and gloves when handling, and first aid measures in case of contact with eyes or skin. While the SDS for SynChar™ is in development, the key safety data for SynChar™ is expected to be similar to that of other biochar materials. For reference, a representative SDS from Biochar Solutions, DBA Western Biochar (Golden, CO) [1] is provided in Appendix 2: Safety Data Sheet.

Composition of SynChar™

Due to its high-temperature conditions and tightly controlled gas introduction system, the BioMax® ATC process produces virtually no tar. Hence, the only co-product of the ATC process, aside from renewable energy, is a high-carbon biochar, which possesses unique physical and chemical properties, including a high degree of graphitic carbon and a low number of impurities.

SynChar™ produced by the BioMax® gasifier system is organic, non-reactive, and non-toxic. SynChar™ has met the strict certification requirements of the International Biochar Initiative (IBI). IBI certification ensures that SynChar™ contains negligible levels of dioxins, polycyclic aromatic hydrocarbons (PAH’s), polychlorinated benzenes (PCB’s), and heavy metals, which verifies that it is safe to use in soil applications for food production. Testing per USDA’s BioPreferred certification has confirmed that SynChar™ biochar contains contemporary carbon from biomass (i.e., not fossil carbon from coal). Copies of the official laboratory reports used for certification of SynChar™ are attached in Appendix 3: Certified Laboratory Reports.

Proximate analysis is an important quality control parameter for carbon-based materials, such as biochar, coal, and coke. Proximate analysis measures the readily identifiable components like moisture, volatile matter, fixed carbon, and ash content. One widely used test method for proximate analysis is thermogravimetric analysis (TGA), in which the sample is heated to high temperatures while measuring the weight loss of the sample. At a specified temperature, the gas flow surrounding the sample is switched from inert atmosphere to oxygenated air to differentiate the non-combustible vs. combustible components of the sample. Figure 1 below shows a proximate analysis of a representative sample of SynChar™ biochar produced from waste walnut shells at Carriere Farms. The results below indicate a moisture content of 6.87%, 18.83% volatile content, 37.11% fixed carbon, and 37.19% residual ash. While the moisture content may change based on exposure to environmental conditions after



February 26, 2025

Mr. Jim Quan
SynTech Energy Services, LLC
1625 Broadway Street, 119
Fresno, CA 93721

DRAFT Trip Generation Assessment for the SynTech Advanced Thermal Conversion Facility

Dear Mr. Quan;

As requested, W-Trans has prepared trip generation assessment for the proposed SynTech Advanced Thermal Conversion (ATC) Facility to be located on the Carriere Family Farms site in the County of Glenn. The purpose of this letter is to determine the potential change in trip generation associated with the proposed project.

Project Description

The proposed project includes construction of an ATC facility at the Carriere Family Farms walnut processing facility located at 1640 State Route (SR) 45. The ATC facility would operate 24/7 to remediate waste walnut shells (WWS) from the existing shelling facility into Renewable Natural Gas (RNG). The RNG would then be compressed into mobile storage trailers, transported to the Carriere Drying and Hulling facility located approximately 4.5 miles away at 7693 SR 162, and injected into the PG&E pipeline. The biochar biproduct of the ATC process would be stored on-site until the quantity is sufficient for a full truckload shipment, which is anticipated to occur every one to two days. The proposed project would require 13 full-time employees to operate the ATC facility.

Trip Generation

Trip generation estimates are typically developed using standard rates published by the Institute of Transportation Engineers (ITE) in *Trip Generation Manual*, 11th Edition, 2021. While the Manual does include rates for generic industrial land uses, no land use included in the Manual closely matches the existing walnut disposal and proposed ATC operations so the trip generation for the proposed project was estimated using site-specific operational parameters to more accurately estimate the potential changes in trip generation.

Existing Use

The WWS are currently transported by truck to Anderson for disposal. Based on information provided by the applicant team, near-term estimates for 2027 indicate that the walnut processing facility would require an anticipated 6,000 truckloads per year to dispose of about 135,000 tons of WWS using trucks with a carrying capacity of 45,000 pounds. This equates to an average of 16 trucks per day, or 32 trips accounting for one trip when leaving the site and one trip when returning. These truck trips are generally spread out over the course of the day so for the purposes of assessing the peak hour trip generation it was assumed that one truckload (two trips) occurs during each peak hour.

Proposed Use

Truck Trips

With the implementation of the project as proposed, trips required for WWS disposal would be eliminated and replaced with RNG trips to the injection site and trips for biochar removal. When fully operational, the facility would remediate 135,000 tons of WWS annually and generate 2,850 MMBtu of RNG and 15 tons of biochar biproduct per day. The RNG would be stored in a mobile storage trailer and transported three times a day on average to be injected into the PG&E pipeline. While the RNG trailers would remain at the ATC facility, the trucks

minus the trailer, would leave the site between loads; therefore, four truck trips would be made per delivery to the pipeline (one trip when arriving to the ATC site to pick up the trailer, one trip when traveling with a full trailer to the injection site, one trip when traveling with an empty trailer back to the ATC site, and one trip when leaving the ATC site without a trailer).

Biochar would be transported from the site every one to two days when a truckload shipment of the biproduct has been generated. To maintain a conservative estimate, a rate of one truck per day was assumed, including one each inbound and outbound trip. The proposed ATC operations would result in an average of 14 truck trips per day, consisting of 12 trips for ATC injection and two trips for biochar removal. All of these trips are expected to occur outside of peak hours.

Employee Trips

The proposed ATC facilities would result in 13 additional full-time employees at the site. These full-time employees would be expected to generate 39 trips per day using a rate of three daily trips per employee, which accounts for one trip each when arriving and departing plus a second round trip for half of the employees to account for the fact that some employees may leave the site for lunch or for routine errands throughout the work day while others may carpool or be dropped off in the morning and picked up in the evening.

Net Change

Overall, at buildout the proposed ATC facility has the potential to result in 21 more daily trips on average compared to the existing WWS disposal condition, with 11 more trips during the a.m. and p.m. peak hours each. The net increase in trips is attributable to the additional on-site employees as the total truck trips would be expected to decrease by 18 trips per day.

To account for the fact that trucks require more time to enter a roadway and accelerate to the free-flow travel speed, an equivalency factor of 3.0 passenger vehicles per truck was applied, consistent with standard traffic engineering practice. After applying the passenger car equivalency (PCE) factor of 3.0, and including both truck and employee trips, the project would be expected to generate 15 fewer equivalent trips on a daily basis, with seven more trips during each peak hour. The trip generation estimates based on the stated assumptions for the existing and proposed conditions are indicated in Table 1.

Table 1 – Trip Generation Summary

Generator	Units	Daily		AM Peak Hour				PM Peak Hour			
		Rate	Trips	Rate	Trips	In	Out	Rate	Trips	In	Out
Existing (WWS Disposal)											
WWS Trucks	16	2.00	-32	0.13	-2	-1	-1	0.13	-2	-1	-1
PCE Trips	3.00		-96		-6	-3	-3		-6	-3	-3
Proposed (ATC Facility)											
Employees	13	3.00	39	1.00	13	9	4	1.00	13	4	9
RNG Trucks	3	4.00	12	0.00	0	0	0	0.00	0	0	0
PCE Trips	3.00		36		0	0	0		0	0	0
Biochar Trucks	1	2.00	2	0.00	0	0	0	0.00	0	0	0
PCE Trips	3.00		6		0	0	0		0	0	0
Total Proposed			53		13	9	4		13	4	9
Total Proposed PCE			81		13	9	4		13	4	9
Net Change			21		11	8	3		11	3	8
Net Change PCE			-15		7	6	1		7	1	6

Note: PCE = Passenger Car Equivalent

Vehicle Miles Traveled (VMT)

Though VMT is not generally evaluated for truck trips, because the proposed project would eliminate the need to transport WWS from the project site to Anderson, consideration was given to the project's potential to have a positive impact on VMT. The existing condition wherein WWS are transported to Anderson is expected to require 32 daily one-way trips of 80 miles each in 2027, which translates to 2,560 VMT per day. The proposed project would eliminate the trips to Anderson and result in 12 daily one-way trips of 4.5 miles each for RNG injection, which translates to 54 daily VMT, or 2,506 less VMT than the existing condition. While the proposed project would also result in VMT associated with employees and biochar removal, these two aspects combined are expected to produce substantially fewer than 2,506 daily VMT; as a result, it can be concluded that the proposed project would result in decreases in both truck VMT and total VMT.

Conclusions

- The proposed project has the potential to generate 21 new trips on a daily basis compared to the existing condition wherein WWS are transported to Anderson for disposal, with 11 additional trips during each peak hour. The net increase in trips is attributable to the additional on-site employees as the total truck trips would be expected to decrease by 18 trips per day.
- Taking vehicle miles traveled (VMT) into consideration, the proposed project would be expected to result in a substantial reduction of VMT as 16 daily round trips to Anderson (a distance of 80 miles away) would be replaced with fewer and shorter trips to the PG&E pipeline approximately 4.5 miles from the ATC site.
- Using a PCE factor of 3.0, the proposed project would be expected to generate the equivalent of 15 fewer trips on a daily basis, even with an additional 13 employees.

Thank you for giving W-Trans the opportunity to provide these services. Please call if you have any questions.

Sincerely,

Gabriel Ramos, EIT
Assistant Engineer

Cameron Nye, PE (Traffic)
Transportation Engineer

Dalene J. Whitlock, PE (Civil, Traffic), PTOE
Senior Principal

DJW/cjn-gr/GLX003.L1

California Historical Resources Information System

BUTTE
GLENN
LASSEN
MODOC
PLUMAS
SHASTA

SIERRA
SISKIYOU
SUTTER
TEHAMA
TRINITY

Northeast Information Center
1074 East Avenue, Suite F
Chico, California 95926
Phone (530) 898-6256
neinfoctr@csuchico.edu

January 2, 2025

Andy Popper
Glenn County Planning & Community
Development Services Agency
225 N. Tehama Street
Willows, CA 95988

IC File # NE24-614 Project Review

RE: CUP 2024-004
T19N, R1W, Sections 67 & 68 (016-030-011); T19N, R1W, Section 34 (016-090-016)
MDBM
USGS Glenn 7.5' (1969) & Willows 15' (1966) quadrangle maps
214.95 acres (Glenn County)

Andy Popper:

In response to your request, a records search for the project cited above was conducted by examining the official maps and records for cultural resources and surveys in Glenn County. Cultural resources in our inventory include archaeological objects, sites, landscapes, districts, and all manner of buildings and structures associated with past human activities. Please note that access to archaeological resource records is restricted to qualified individuals.

Results:

Archaeological Resources:

Resources within or adjacent to the project area:	No resources were located in the project area
---	---

In addition, seven resources have been recorded within the one-mile vicinity.

Built Environment Resources: According to our records, no resources of this type have been recorded within or adjacent to the project boundaries. The Built Environment Resources Directory

(BERD), which includes listings of the California Register of Historical Resources, California State Historical Landmarks, California State Points of Historical Interest, and the National Register of Historic Places, does not list any properties within or adjacent to the proposed project area. The BERD is available online at: https://ohp.parks.ca.gov/?page_id=30338

Previous Investigations: According to our records, the project area has been partially surveyed for cultural resources. The reports are listed below.

Laura Leach-Palm, Pat Mikkelsen, Paul Brandy, Jay King, and Lindsay Hartman (Far Western Anthropological Research Group)

2008 *Cultural Resources Inventory of Caltrans District 3 Rural Conventional Highways in Butte, Colusa, El Dorado, Glenn, Nevada, Placer, Sacramento, Sierra, Sutter, Yolo and Yuba Counties.*

NEIC-009539

Ben Elliott (URS Corporation)

2010 *Final Cultural Resources Technical Report, Levee Geotechnical Evaluation Program, Sacramento River: Right Bank Levee, Glenn and Colusa Counties, California.*

NEIC-010909

Historical Maps and Literature Search: The official records and maps for archaeological sites and surveys in Glenn County were reviewed. Also reviewed: **National Register of Historic Places - Listed properties and Determined Eligible Properties** (2022); **California Inventory of Historic Resources** (1976); **California Historical Landmarks** (2022); **Built Environment Resource Directory** (2022).

The USGS Glenn 7.5' (1969) & Willows 15' (1966) quadrangle maps depict archaeological sensitive areas within the project's region such as structures, foundations, and waterways. Additional structures, foundations, and waterways are located in the general project vicinity.

The project is located in a region utilized by Konkow populations at the time of Euro-American contact. Indigenous populations used the local region for seasonal and/or permanent settlement, as well as for the gathering of plants, roots, seeds, domestic materials, and hunting seasonal game. Historically, Euro-Americans utilized the region for mining and transportation opportunities.

Sensitivity Assessment and Recommendations:

Based upon the above information and local topography, the project area is considered to have low sensitivity for cultural resources. Portions of the project along existing sites, roads, and trails are sensitive for archaeological resources. Other areas of sensitivity are flats near creeks, springs, seeps, or rock outcrops that may be located in the project area.

Therefore, because the project area has not been previously surveyed for archaeological resources, we recommend that a professional consultant be contacted prior to ground disturbance. The project archaeologist can offer recommendations for avoidance and protection of any existing or newly identified resources. If the proposed project contains buildings or structures that meet the minimum

age requirement (45 years in age or older) it is recommended that the resources be assessed by a qualified specialist familiar with architecture and history of the county. Review of the available historic building/structure data has included only those sources listed above and should not be considered comprehensive. A list of qualified consultants is available online at www.chrisinfo.org.

During any phase of parcel development, if any archaeological resources are encountered, all work should cease in the area of the find pending an examination of the site and materials by the project archaeologist. This request to cease work in the area of a potential archaeological find is intended for accidental discoveries made during construction activities and is not intended as a substitute for the recommended cultural resources survey. It is recommended that any identified cultural resources be recorded on DPR 523 historic resource recordation forms, available online from the California Office of Historic Preservation (OHP): https://ohp.parks.ca.gov/?page_id=28351

If human remains are discovered, California Health and Safety Code Section 7050.5 requires you to protect the discovery and notify the county coroner, who will determine if the find is Native American. If the remains are recognized as Native American, the coroner shall then notify the Native American Heritage Commission (NAHC). California Public Resources Code Section 5097.98 authorizes the NAHC to appoint a Most Likely Descendant (MLD) who will make recommendations for the treatment of the discovery.

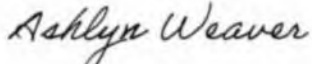
The California Office of Historic Preservation (OHP) contracts with the California Historical Resources Information System's (CHRIS) regional Information Centers (ICs) to maintain information in the CHRIS inventory and make it available to local, state, and federal agencies, cultural resource professionals, Native American tribes, researchers, and the public. Recommendations made by IC coordinators or their staff regarding the interpretation and application of this information are advisory only. Such recommendations do not necessarily represent the evaluation or opinion of the State Historic Preservation Officer in carrying out the OHP's regulatory authority under federal and state law.

Not all known cultural resources have been recorded and submitted to the OHP, so this record search should not be considered an exhaustive list of all cultural resources present in your project area. DPR forms and reports that are used for recording and evaluating sites and individual resources are submitted to the Northeast Information Center by private and public agencies. Please note that the Northeast Information Center is not responsible for misinformation of coordinates presented on the submitted DPR forms. If a discrepancy is found, please contact the lead agency for more information.

Due to processing delays and other factors, not all of the cultural resource reports and resource records that have been submitted to the OHP are available via this records search. Additional information may be available through the federal, state, and local agencies that produced or paid for cultural resource management work in the search area. Finally, Native American tribes have cultural resource information not in the CHRIS Inventory, and the NAHC should be contacted at (916) 373-3710 for information regarding Native American representatives in the vicinity of the project.

Payment for this project review was received on (Check # 1041). Thank you for your dedication preserving Glenn County's and California's irreplaceable cultural heritage, and please feel free to contact us if you have any questions or need any further information or assistance.

Sincerely,

A handwritten signature in cursive script that reads "Ashlyn Weaver".

Ashlyn Weaver, M.A.
Coordinator & GIS Specialist
Northeast Information Center
(530) 898-6256



COUNTY OF GLENN

Air Pollution Control District

Marcie Skelton, Air Pollution Control Officer/CUPA Director
720 N. Colusa Street ♦ P.O. Box 351 ♦ Willows, CA 95988
(530) 934-6500 ♦ Fax (530) 934-6503
www.countyofglenn.net

AUTHORITY TO CONSTRUCT APPLICATION (GENERAL)

- A \$130.00 FILING FEE IS DUE UPON SUBMITTAL OF THIS APPLICATION
- ALL REQUESTED INFORMATION MUST BE COMPLETED IF APPLICABLE (INCLUDING ATTACHED ADDITIONAL INFORMATION FORM)
- ALL AVAILABLE EQUIPMENT MANUFACTURERS ENGINEERING SPECIFICATIONS MUST BE INCLUDED OR AVAILABLE UPON REQUEST
- IF ADDITIONAL ENGINEERING, EVALUATION, AND REVIEW IS NEEDED, ACTUAL COST THEREOF MAY BE CHARGED TO APPLICANT

Date: _____ Project Name: _____

1. Application for a Permit to: (please check one)

Construct _____ Alter/Modify _____ Name/Owner Change _____ Change Location _____

2. Is This a New Facility? Yes No

3. Are You Changing Equipment on an Existing Facility? Yes No

4. Expected Date of Construction/Installation Completion: _____

5. Contact Information: _____

Business Name: _____ Office Phone: _____

Owner Name: _____ Cell/Other Phone: _____

Fax: _____ E-Mail: _____

Facility Address/Location (plus GPS): _____

Mailing Address: _____ City: _____ State: _____ Zip: _____

6. Emergency Contacts: (day or night)

Name _____ Title _____ Phone _____

Name _____ Title _____ Phone _____



COUNTY OF GLENN

Air Pollution Control District

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www.countyofglenn.net

2/12/2025

7. General Type/Nature of Business: _____

8. Specific Product Manufactured, Handled, Processed, and/or Distributed: _____

9. Expected Production or Operating Schedule: (fill in applicable fields)

Production Rate (with units): _____ per (circle one) hour day week month year

Equipment Operation Schedule: _____ hour(s) per day day(s) per week week(s) per year

Type(s) of Raw material used/processed: _____

10. Quantities of raw materials used: /hour /day /week /year

Waste Wallnut Shells

11. Maximum hourly process rate: _____

12. Any Stationary Fuel Burning Equipment? (Boilers, Engines, Driers) Yes No

13. If Yes, Please Provide Description: _____

Fuel Type (circle): Diesel Natural Gas Gasoline Liquid Propane Other: _____

Make: _____ Model: _____ Model Year: _____

Maximum Horsepower: _____ Expected Horsepower: _____ Fuel Consumption: _____

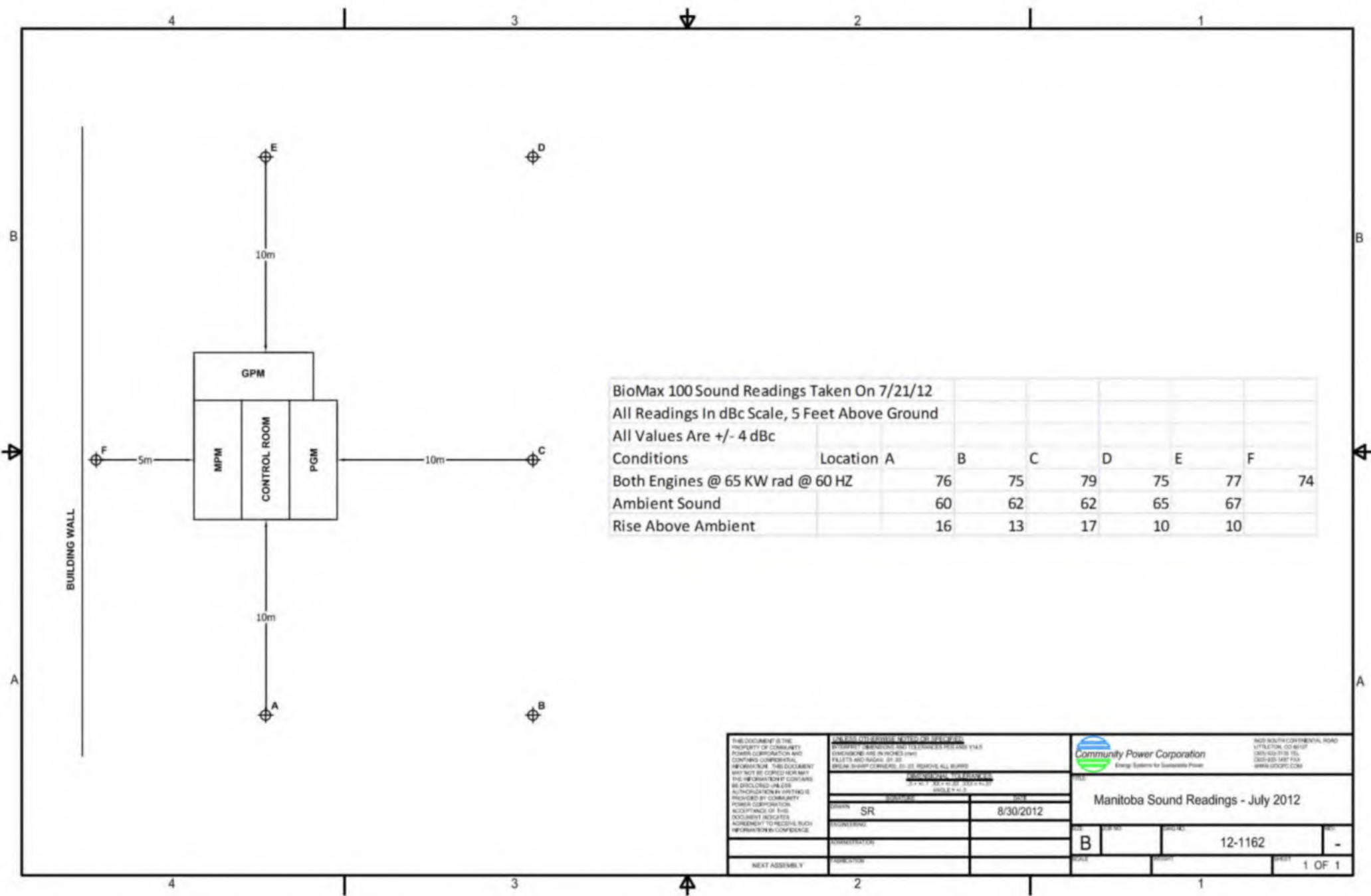
Signature: _____ Date: _____

Printed Name: _____

"I certify that all sources having a potential to emit in excess of 25 tons per year in the State of California that is owned, operated, or controlled by this entity are in compliance with all applicable emission limitations and standards."

Air Pollution Control District (APCD)
Stationary Source Permitting
Agricultural and Residential Burning
Carl Moyer Grant Program

Certified Unified Program Agency (CUPA)
Hazardous Materials and Wastes Handling and Storage
Above and Under Ground Storage Tanks
Facilities with Regulated Substances

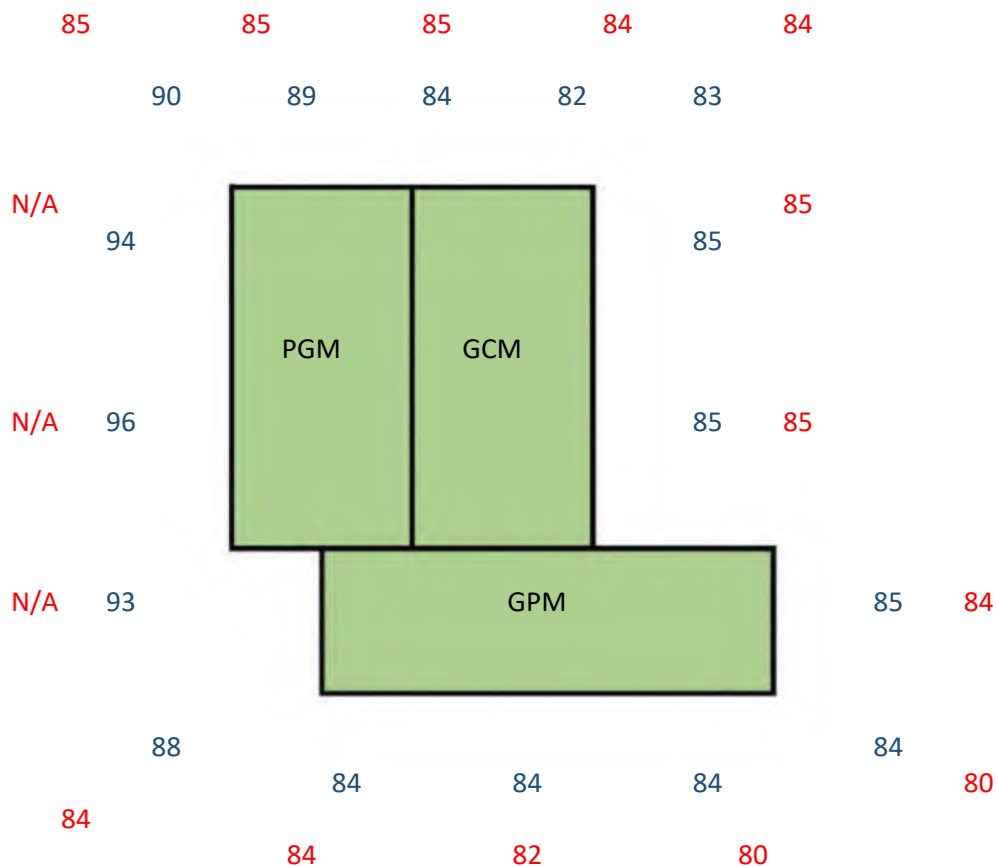


BioMax 100 Sound Readings Taken On 7/21/12
 All Readings In dBc Scale, 5 Feet Above Ground
 All Values Are +/- 4 dBc

Conditions	Location A	B	C	D	E	F
Both Engines @ 65 KW rad @ 60 HZ	76	75	79	75	77	74
Ambient Sound	60	62	62	65	67	
Rise Above Ambient	16	13	17	10	10	

THIS DOCUMENT IS THE PROPERTY OF COMMUNITY POWER CORPORATION AND CONTAINS CONFIDENTIAL INFORMATION. THIS DOCUMENT AND THE INFORMATION CONTAINED HEREIN ARE NOT TO BE DISCLOSED OR REPRODUCED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF COMMUNITY POWER CORPORATION. ACCEPTANCE OF THIS DOCUMENT REQUIRES AGREEMENT TO RECEIVE SUCH INFORMATION IN CONFIDENCE.	FOR RELEASE TO THE PUBLIC, PLEASE PRINT:		AND SOUTH DAKOTA BOARD OF UTILITIES, 601 10TH AVENUE, S.D. 57107 (605) 432-3121 FAX (605) 432-3121 FAX WWW.COOPC.COM	
	PROJECT: SR		DATE: 8/30/2012	
	LOCATION: B		DRAWING NO.: 12-1162	
	SCALE:		SHEET: 1 OF 1	

Map of Noise Measurements around a BioMax Gen 2 - No MPM



All measurements are on the industrial dBa scale. Numbers shown in **BLUE** are measured at a distance of 5.0 meters from the edge of the containers. Numbers shown in **RED** are measured at a distance of 10.0 meters from the edge of the containers. Measurements at locations shown as N/A were not possible because another BioMax unit was in that location. The unit used for these measurements was Unit #4 at San Saba Pecan.

Note: The unit used for these measurements was Unit #4 at San Saba Pecan. Unit #3 next to this unit was running at the time of the measurements.

State Water Resources Control Board

Division of Drinking Water

July 19, 2016

Carriere Family Farms, Inc.
1640 State Highway 45
GLENN, CA 95943

Attention: Ron Bryant, Plant Manager

RE: Carriere Family Farms, Inc., Public Water System No. 1100101, Permit No. 01-21-16(P)11001

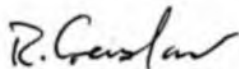
A permit application, received by the Division of Drinking Water (Division) on January 15, 2016, requested a permit to operate the Carriere Family Farms public water system near Glenn in Glenn County. The permit application was made in accordance with Section 116525, et seq., of the California Health and Safety Code (CH&SC) and is acceptable for filing. The fee receipt is enclosed.

Pursuant to Sections 116535 and 116540 of the CH&SC, THE DIVISION OF DRINKING WATER FINDS that a water supply permit shall be granted to Carriere Family Farms to operate a nontransient noncommunity public water system as described in the enclosed Engineering Report (Report), dated September 2015 and prepared by the Division. The decision to grant the permit is based on findings contained in the Report. The Report finds that the Carriere Family Farms water system can consistently provide safe and wholesome drinking water from the existing well and distribution system. A copy of the permit is enclosed.

As a reminder, initial lead and copper samples must be collected **during July, August, or September 2016.**

If you have questions concerning the enclosed domestic water supply permit or accompanying Report, please call me at (530) 224-4861, or Ray Bruun at (530) 224-3252.

Sincerely,



Reese B. Crenshaw, P.E.
Valley District Engineer
Drinking Water Field Operations Branch

Enclosures

STATE OF CALIFORNIA

DOMESTIC WATER SUPPLY PERMIT ISSUED TO

Carriere Family Farms, Inc., Water System

(Public Water System No. 1100101)

PERMIT NO. 01-21-16(P)11001

DATE OF ISSUE: July 19, 2016

WHEREAS:

1. Carriere Family Farms, Inc., (System) submitted an application to the Division of Drinking Water (Division), dated January 15, 2016, for operating an existing nontransient noncommunity public water system on its property south of the community of Glenn in Glenn County.
2. The purpose of the permit is to authorize operation of the System, including an existing domestic supply well (Well 01) and distribution system.
3. The System has submitted all information needed to evaluate the application.
4. The Division has reviewed the application and supporting information and has determined that the water system complies with applicable state drinking water requirements.
5. The permit application is hereby accepted for filing.
6. Well 01 does not have a sanitary seal.

THEREFORE:

1. A Domestic Water Supply Permit is hereby issued to the Carriere Family Farms water system (System) as follows:
 - a) The existing well, Well 01, is designated as an approved source of supply.
 - b) The existing distribution system is designated as an approved conveyance.
 - c) Any bacteriological issues originating with Well 01 that cannot be resolved with hypochlorination will result in revocation of paragraph 1. a)., above.
2. This permit amendment is subject to the following special conditions:
 - a) The well totalizer must be read and recorded at least once each month.
 - b) Continuous chlorination of water produced by Well 01 shall not commence unless authorized in a permit amendment.

FOR THE DIVISION OF DRINKING WATER

7/19/16

Date

R. Crenshaw

Reese B. Crenshaw, P.E.

Valley District Engineer

Drinking Water Field Operations Branch

**STATE WATER RESOURCES CONTROL BOARD
DIVISION OF DRINKING WATER**

ENGINEERING REPORT IN THE MATTER OF THE PERMIT

FOR

**CARRIERE FAMILY FARMS, INC.
GLENN COUNTY**

JULY 2016

REPORT PREPARED BY:

A handwritten signature in dark ink, appearing to read 'Ray Bruun', is written over a horizontal line.

**RAY BRUUN, P.E.
ASSOCIATE SANITARY ENGINEER**

REPORT REVIEWED BY:

A handwritten signature in dark ink, appearing to read 'R. Crenshaw', is written over a horizontal line.

**REESE B. CRENSHAW, P.E.
SENIOR SANITARY ENGINEER**

Purpose of Report

An existing (discovered) water system, owned by Carriere Family Farms, Inc., (Carriere) consists of a well (Well 01), pressure tank, and distribution system. The purpose of this report is to assess the sanitary and chemical reliability of the water system. Recommendations will be made regarding a permit to authorize the operation of the water system.

Water System Summary

Carriere owns a walnut processing facility located approximately 1.3 miles south of the community of Glenn, in Glenn County. The water system supplies potable water for office space, break rooms, kitchen, rest rooms, hose bibs, walnut bleaching, and landscape irrigation. There are two walnut processing plants onsite. One, owned by Carriere Family Farms, produces walnut meat; the other, owned by Borges, packs in-shell walnuts. The water system is classified as a nontransient noncommunity public water system and serves full-time and seasonal employees, as follows (per information provided by Carriere Family Farms):

- Office – 10 to 15 full-time employees
- Shelling operation – 10 full-time employees and 30 employees 9 months out of the year
- In-shell operation – 25 employees for 4 months, of which 12 employees will stay on up to 6 months

On January 15, 2016, Carriere submitted a permit application and filing fee. The application has been accepted for filing.

The plant site comprises the southwest corner of a 96.37-acre parcel (1640 Highway 45, Glenn, CA; APN 016-030-011-0), located on the east side of State Highway 45/162. The facility is within the 100-year flood plain as defined by FIRM Panel 06021C0650D.

General Information		Use Type:	AGRICULTURAL PRESERVE
APN:	016-030-011-0	Tax Rate Area:	081-014
Site Address:	1640 HWY 45 GLENN CA 95943-9649		
Mailing Address:	1640 HWY 45 GLENN CA 95943		
Legal Description:	1640 HWY 45		

Assessment	
Year Assd:	2015
Land:	\$756,505
Structure(s):	\$176,745
Other:	
Total Land and Improv:	\$933,250
HO Exempt?:	N
Exemption Amt:	

[CLICK HERE](#)
For More Info
on this Property! ➔



**The information provided here is deemed reliable, but is not guaranteed.

Water Sources and Distribution System

Historically, water has been supplied by a domestic well (Well 01) which served a farm house now used as an office. According to a well completion report supplied by the water system, Well 01 was drilled in December 1966 using cable-tool technology. Forty-eight (48) feet of 10-inch diameter, butt-welded, blank steel casing was installed in a 47-foot borehole, making this an open bottom well. There is no sanitary seal. Lithology was reported as follows:

0 to 4 feet	Soil
4 to 14 feet	Yellow clay
14 to 45 feet	Sand & gravel
45 to 47 feet	Brown clay
47 feet →	Gravel

The make/model of submersible pump and pumping capacity are unknown. The well has a pressure tank (bladder type), for pump control. The water supplier recently (2016) installed a wellhead sample tap and flow meter. The distribution system consists of PVC pipe, ranging from 1 to 2 inches in diameter.

Carriere's contract operator is Culligan of Chico (Culligan) which has a number of employees that have the required minimum operator grade of D1.

Chemical Water Quality

Chemical samples collected from Well 01 from 2014 to 2016 show the well produces water that meets all primary MCLs. Historical chemical test results are provided in the appendices to this engineering report. The well is also bacteriologically clean. Monthly routine coliform samples have been nondetect since the water system began testing in 2014 (the water system does not chlorinate).

Appraisal of Sanitary Hazards and Safeguards

A DWSAPP (Drinking Water Source Assessment and Protection Program) analysis was completed in January 2016. The analysis concludes that the well is most vulnerable to the following:

- Septic systems – low density (<1/acre)
- Agricultural Drainage
- Food processing
- Crops, irrigated
- Fertilizer, Pesticide/ Herbicide Application
- Transportation Corridors- Freeways/state highways
- Surface water - streams/ lakes/rivers
- Wells – Water supply

California Environmental Quality Act (CEQA) Exemption

The action to adopt a permit for a replacement well is categorically exempt from CEQA in accordance with Title 22, Section 60101(a), "Class 1, Existing Facilities." A Notice of Exemption was mailed to the State Clearinghouse in July 2016.

Recommendations

A domestic water supply permit should be issued to Carriere Family Farms, for the use and operation of Well 01 and distribution system.

Attachments

Site Map

Photographs

Well Data Sheet

Well Completion Report

Chemical Data

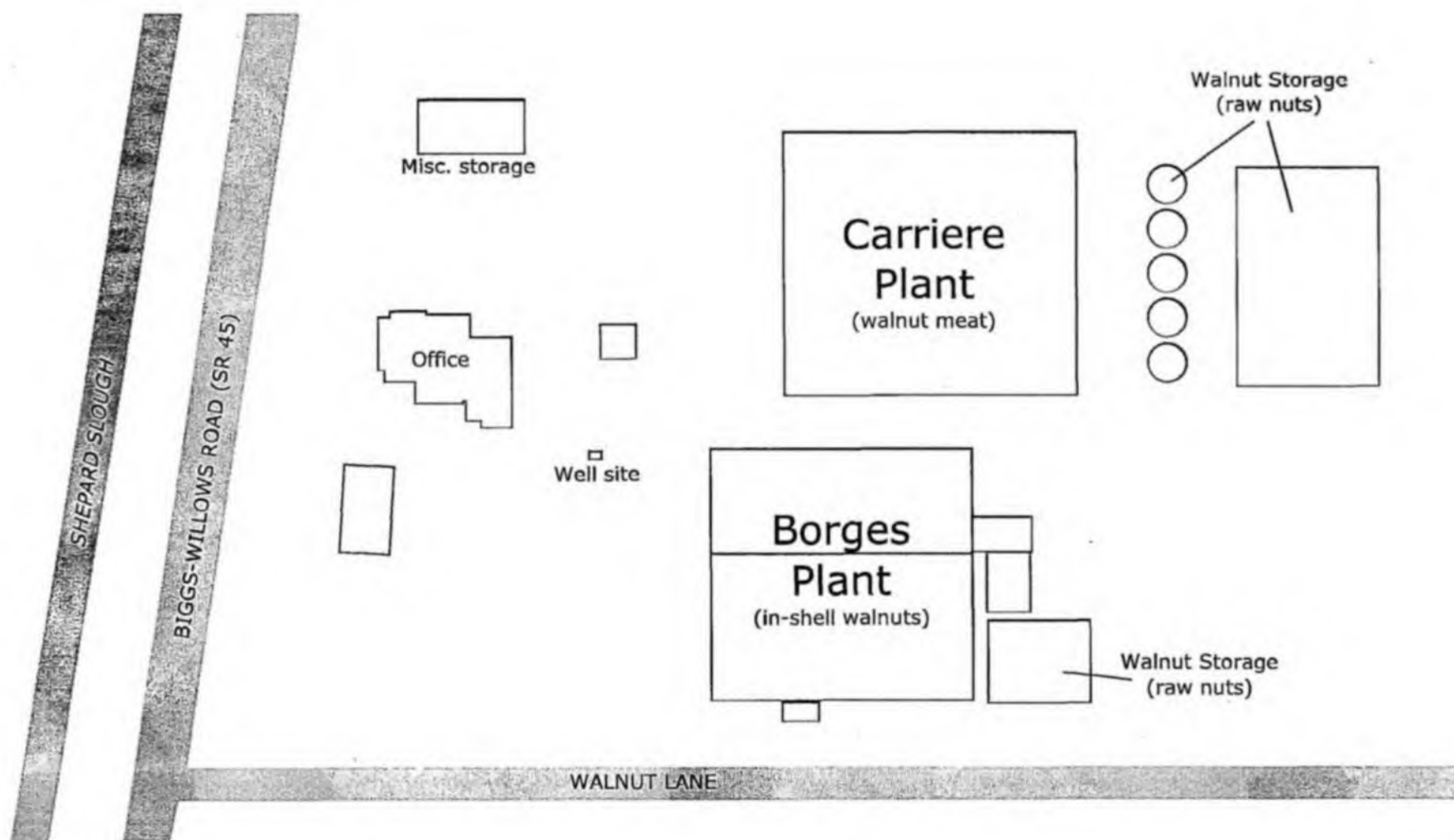
Permit Amendment Application

Drinking Water Source Assessment (DSWAP)

California Environmental Quality Act – Notice of Exemption

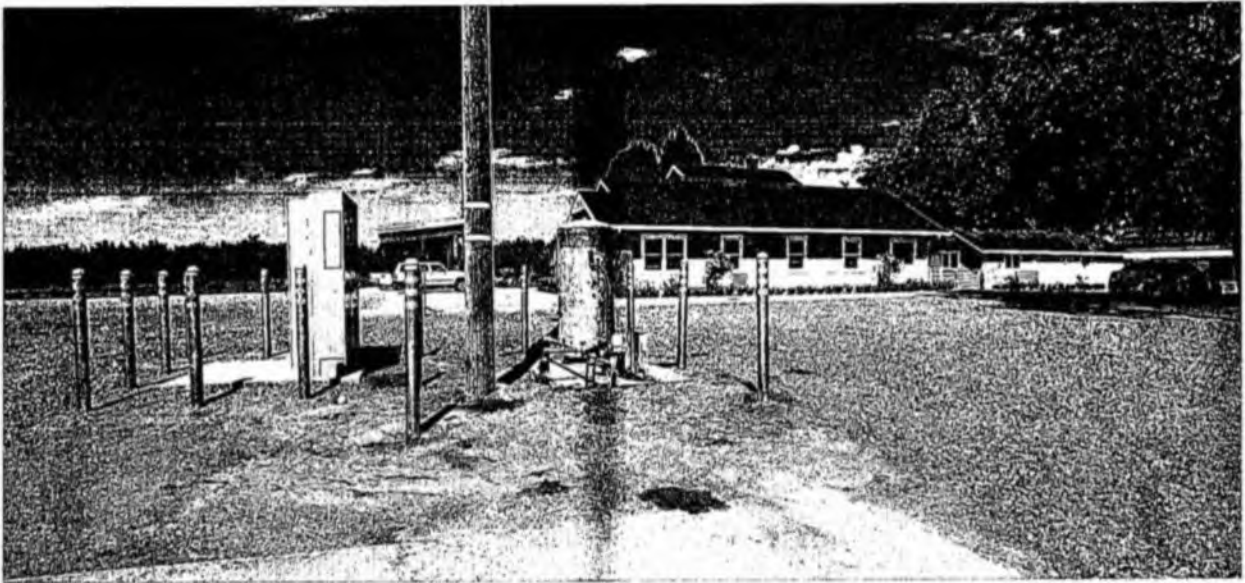
TMF Form

Site Map

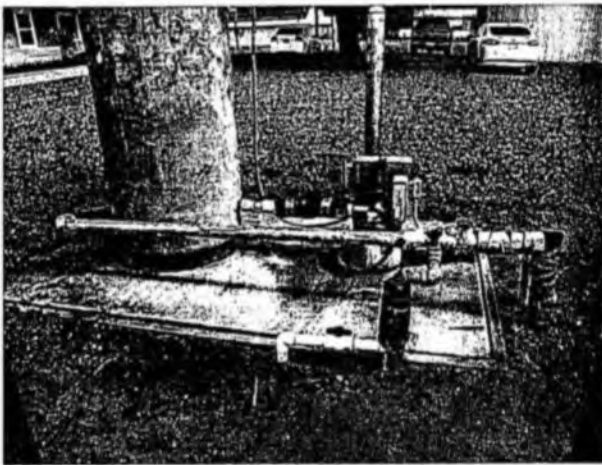


CARRIERE FAMILY FARMS
WS# 1100101 - SITE MAP
(not to scale)

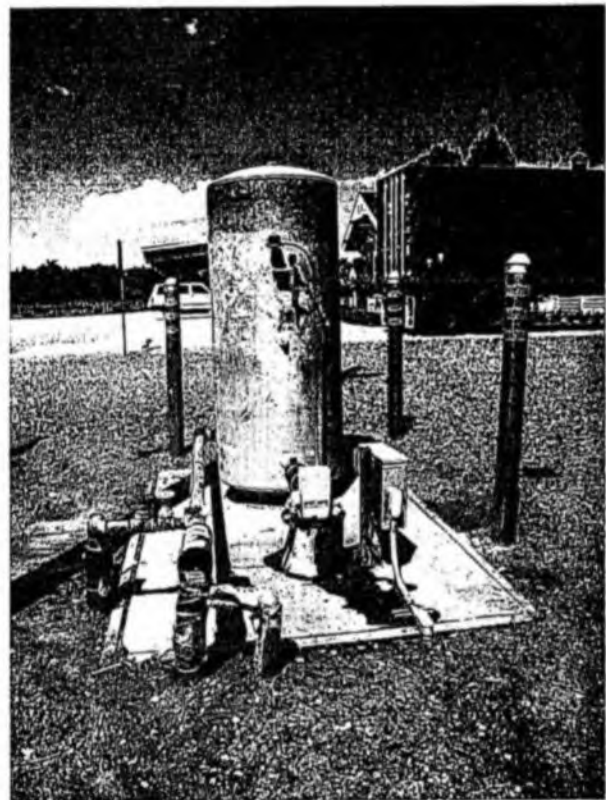
Photographs



Well 01, with office in the background.



Well 01.



Well 01.

Well Data Sheet

Well Data Sheet

Complete as much information as possible. Leave blank if information is not available, use N.A. if not applicable.

* Indicates items required for Source Water Assessment

** Indicates additional items required for assessments and Ground Water Rule

	(separate multiple entries in field with semi-	Actual, Estimated or Default?
DATA SHEET GENERAL INFORMATION		
System Name	Carriere Family Farms	from DDW database
System Number	1100101	from DDW database
Source of Information (well log, DDW/County files, system, etc)	System	
Organization Collecting Information (DDW, County, System, other)	System	
Date Information Collected/Updated	Oct. 12, 2015	
WELL IDENTIFICATION		
* Well Number or Name	Carriere Family Farms	from DDW database
* DDW Source Identification Number (FRDS ID No.)		
DWR Well Log on File? ("YES" or "NO")	No	
State Well Number (from DWR)		
Well Status (Active, Standby, Inactive)	Active	from DDW database
WELL LOCATION		
Latitude		from DDW database
Longitude		from DDW database
Ground Surface Elevation (ft above Mean Sea Level)	91.5'	
Street Address	1640 Highway 45	
Nearest Cross Street	Rd. 54	
City	Glenn	
County	Glenn	
* Neighborhood/Surrounding Area (see Note 1)	A	
Site plan on file? ("YES" or "NO")	Yes	
DWR Ground Water Basin		to come from DWR
DWR Ground Water Sub-basin		to come from DWR
SANITARY CONDITIONS		
** Distance to closest Sewer Line, Sewage Disposal, Septic Tank (ft)	165'	Actual
Distance to Active Wells (ft)	>1,000'	Estimated
Distance to Abandoned Wells (ft)		
Distance to Surface Water (ft)		
** Size of controlled area around well (square feet)	250,000	Actual
* Type of access control to well site (fencing, building, etc)	Fencing	✓
* Surface Seal? (Concrete slab) ("YES", "NO" or "UNKNOWN")	Yes	✓
* Dimensions of concrete slab: Length(ft) Width(ft) Thick(in)	5' x 8' x 4"	✓
* Within 100 year flood plain? ("YES", "NO" or "UNKNOWN")	Yes	✓

* Drainage away from well? ("YES" or "NO")	Yes	
ENCLOSURE/HOUSING		
Enclosure Type (building, vault, none, etc.)	None	
Floor material		
Located in Pit? ("YES" or "NO")		
Pit depth (feet) (if applicable)		
WELL CONSTRUCTION		
Date drilled	Dec. 27, 1966	
Drilling Method		
Depth of Bore Hole (feet below ground surface)	48'	
Casing Beginning Depth/Ending Depth (ft below surface); 2nd Casing Beginning Depth/Ending Depth; 3rd Casing, etc.	0 to 46'	
Casing Diameter (inches); 2nd Casing Diameter; 3rd Casing, etc.	10"	Actual
Casing Material; 2nd Casing Material; 3rd Casing, etc.	Steel	✓
	(separate multiple entries in field with semi-	Actual, Estimated or Default?
WELL CONSTRUCTION (continued)		
Conductor casing used? ("YES", "NO" or "UNKNOWN") (See Note	Unknown	
Conductor casing removed? ("YES", "NO" or "UNKNOWN")	Unknown	
* Depth to highest perforations/screens (ft below surface) (or "UNKNOWN")	No perforations	
Screened Interval Beginning Depth/Ending Depth (ft below surface); 2nd Screened Interval Beg. Depth/Ending Depth; 3rd Screened		
* Total length of screened interval (ft) (default = 10% pump capacity in gpm) (or "UNKNOWN")		
* Annular Seal? ("YES", "NO" or "UNKNOWN") (See Note 3)	No	
* Depth of Annular Seal (ft)		
Material of Annular Seal (cement grout, bentonite, etc.)		
Gravel pack, Depth to top (ft below ground surface)		
Total length of gravel pack (ft)		
Complete as much information as possible. Leave blank if information is not available, use N.A. if not applicable.		
* Indicates items required for Source Water Assessment		
** Indicates additional items required for assessments and Ground Water Rule		
AQUIFER		
* Aquifer Materials (list all that apply: sand, silt, clay, gravel, rock, fractured rock)	sand; silt; clay	Actual
* Effective porosity (decimal percent) (default = 0.2) (or "UNKNOWN")	Unknown	

* Confining layer (Impervious Strata) above aquifer? ("YES", "NO" or "UNKNOWN")	Unknown	
Thickness of confining layer, if known (ft)		
Depth to confining layer, if known (ft below ground)		
* Static water level (ft below ground surface)		
Static water level measurement: Date/Method		
Pumping water level (ft below ground surface)		
Pumping water level measurement: Date/Method		

WELL PRODUCTION

Well Yield (gpm)		
Well Yield Based On (i.e., pump test, etc.)		
Date measured		
Is the well metered? ("YES" or "NO")	No	
Production (gallons per year)	154,000	Estimated
Frequency of Use (hours/year)	3,600 hrs./year	Actual
Typical pumping duration (hours/day)	20 hrs / day	Actual

PUMP

Make		
Type		
Size (hp)		
* Capacity (gpm)		
Depth to suction intake (ft below ground surface)		
Lubrication Type		
Type of Power: (i.e., electric, diesel, etc.)		
Auxiliary power available? ("YES" or "NO")	No	Actual
Operation controlled by: (i.e., level in tank, pressure, etc.)	Pressure	-
Pump to Waste capability? ("YES" or "NO")	No	✓
Discharges to: (i.e., distribution system, storage, etc.)	Distribution System	✓

NOTES

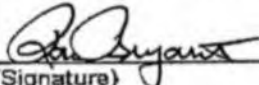
1. Neighborhood/Surrounding Area (list all that apply): A= Agricultural, Ru = Rural, Re = Residential, Co = Commercial, I = Industrial, Mu = Municipal, P = Pristine, O = Other
2. Conductor Casing - Oversized casing used to stabilize bore hole during well construction. Should be removed during installation of annular seal.

3. Annular Seal - Seal of grout in the space between the well casing and the wall of the drilled hole. Sometimes called "sanitary seal".

Please Note:

The information on this Well Data Sheet is considered confidential. To allow the information to be included in the permit report, or made available subject to a public information act request, the waiver clause below has to be signed and dated by the owner (public water system). In lieu of this signature, the WDS has to be retained in a confidential file, or the information shown in the shaded rows has to be "blacked out."

I/We, (Name) Ken Bryant certify that I/We are the present owners of the well described on this well data sheet. I/We have reviewed the information presented on this well data sheet and I/We take no exception to having the information included in the SWRCB - Division of Drinking Water's Engineering Report. I/We understand that by including the well data sheet in the Engineering Report, it will be part of a public document that can be reviewed and copied subject to a Public Information Act request.


(Signature)

Jan. 11, 2016
(Date)

Well Data Sheet Supplement

REMARKS AND DEFECTS

(Use or note these items as appropriate)

(** indicates items pertinent to Ground Water Rule)

Distance (ft) to other sanitary concerns:

** Type of Sanitary Concern: _____

** Type of Sanitary Concern: _____

** Type of Sanitary Concern: _____

** Type of Sanitary Concern: _____

** Type of Sanitary Concern: _____

Raw Water Quality concerns? (Yes or No)

** Microbiological (coliform)

Chemicals

Other (list)

** Continuous Chlorination provided? (Yes or No)

Condition of enclosure or housing

Pit Drained? (if applicable)

Pitless Adaptor? Make and Model

Height of pump base (inches)

Casing Vent? (yes or no)

Air/Vacuum Release? (yes or no)

Sampling Taps? (yes or no)

Location of sampling taps

Wellhead Riser? (yes or no); height above well

Other

Well Completion Report

ORIGINAL
File with DWR

WATER WELL DRILLERS REPORT

(Sections 7079, 7080, 7081, 7082, Water Code)

JAN 9 - 1967

Do Not Fill In

THE RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES

No 5062

State Well No. 19N/1W-48
Other Well No.

(1) OWNER:

Name Manuel Dias
Address Rt 4 Box 392
Chico Calif

(2) LOCATION OF WELL:

County Glenn Owner's number, if any
Township, Range, and Section

Distance from cities, roads, railroads, etc. 1 1/2 miles south
Glenn State on East side of 100 ft

(3) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Destroying ☐
If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☐
Cable ☒
Other ☐

(6) CASING INSTALLED:

STEEL: OTHER:
SINGLE ☒ DOUBLE ☐

If gravel packed

From ft.	To ft.	Diam. ft.	Gage or Wall	Diameter of Bore	From ft.	To ft.
0	48	10	10			

Size of shoe or well ring: 14 x 4" Size of gravel:

Describe joint: Butt weld

(7) PERFORATIONS OR SCREEN:

Type of perforation or name of screen

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
<u>None</u>				

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes ☐ No ☒ To what depth ft.

Were any struts sealed against pollution? Yes ☐ No ☐ If yes, note depth of struts

From 0 ft. to 46 ft. Plain Casing

Method of sealing Plain Casing

(9) WATER LEVELS:

Depth at which water was first found, if known 12 ft.

Standing level before perforating, if known ft.

Standing level after perforating and developing ft.

(10) WELL TESTS:

Was pump test made? Yes ☒ No ☐ If yes, drawdown after 1 hr. 12 ft.

Temperature of water Was a chemical analysis made? Yes ☐ No ☐

Was electric log made of well? Yes ☐ No ☐ If yes, attach copy

(11) WELL LOG:

Total depth 47 ft. Depth of completed well 47 ft.

Formation: Describe by color, character, size of material, and structure
0 ft. to 4 ft. Loess
4 ft. to 14 ft. yellow clay
14 ft. to 47 ft. Sand & gravel
47 ft. gravel

FOR OFFICIAL USE ONLY

Work started Dec 27 1966 Completed Dec 29 1966

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME MW Bechard (Typed or printed)

Address 4000 Terry St

(SIGNED) MW Bechard (Well Driller)

License No. 132008 Dated 7/16

SKETCH LOCATION OF WELL ON REVERSE SIDE

Chemical Data

DATE: 6/28/2016

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SYSTEM NO: 1100101 NAME: CARRIERE FAMILY FARMS

COUNTY: GLENN

SOURCE NO: 001

NAME: WELL 01

CLASS: NTNC

STATUS: Active

PSCODE	GROUP/CONSTITUENT IDENTIFICATION	DATE	RESULT *	MCL	DLR	TRIGGER	UNIT
1100101001	1100101 CARRIERE FAMILY FARMS	001	WELL 01				
DB P	DISINFECTION BYPRODUCTS						
	32101 BROMODICHLOROMETHANE (THM)	2014/09/03	< 0.5 *	-----	1.000	-----	UG/L
	32101 BROMODICHLOROMETHANE (THM)	2015/06/04	< .5000 *	-----	1.000	-----	UG/L
	32104 BROMOFORM (THM)	2014/09/03	< 0.5 *	-----	1.000	-----	UG/L
	32104 BROMOFORM (THM)	2015/06/04	< .5000 *	-----	1.000	-----	UG/L
	32106 CHLOROFORM (THM)	2014/09/03	< 0.5 *	-----	1.000	-----	UG/L
	32106 CHLOROFORM (THM)	2015/06/04	< .5000 *	-----	1.000	-----	UG/L
	32105 DIBROMOCHLOROMETHANE (THM)	2014/09/03	< 0.5 *	-----	1.000	-----	UG/L
	32105 DIBROMOCHLOROMETHANE (THM)	2015/06/04	< .5000 *	-----	1.000	-----	UG/L
	82080 TOTAL TRIHALOMETHANES	2014/09/03	< 0.5	80.000	-----	80.000	UG/L
	82080 TOTAL TRIHALOMETHANES	2015/06/04	< .5000	80.000	-----	80.000	UG/L
GP	SECONDARY/GP						
	82383 AGGRSSIVE INDEX (CORROSIVITY)	2014/09/03	11.8 *	-----	-----	-----	
	00440 BICARBONATE ALKALINITY	2014/09/03	240 *	-----	-----	-----	MG/L
	00916 CALCIUM	2014/09/03	42 *	-----	-----	-----	MG/L
	00445 CARBONATE ALKALINITY	2014/09/03	< 10 *	-----	-----	-----	MG/L
	00940 CHLORIDE	2014/09/03	49	500.000	-----	250.000	MG/L
	00081 COLOR	2014/09/03	< 5	15.000	-----	15.000	UNITS
	01042 COPPER	2014/09/03	< 10	1000.00 0	50.000	1000.000	UG/L
	00900 HARDNESS (TOTAL) AS CaCO3	2014/09/03	208 *	-----	-----	-----	MG/L
	71830 HYDROXIDE ALKALINITY	2014/09/03	< 10 *	-----	-----	-----	MG/L
	01045 IRON	2014/09/03	50	300.000	100.000	300.000	UG/L
	00927 MAGNESIUM	2014/09/03	25 *	-----	-----	-----	MG/L
	01055 MANGANESE	2014/09/03	< 10	50.000	20.000	50.000	UG/L
	00086 ODOR THRESHOLD @ 50 C	2014/09/03	< 1	3.000	1.000	3.000	TON
	00403 PH, LABORATORY	2014/09/03	7.5 *	-----	-----	-----	
	01077 SILVER	2014/09/03	< 1	100.000	10.000	100.000	UG/L
	00929 SODIUM	2014/09/03	22 *	-----	-----	-----	MG/L
	00095 SPECIFIC CONDUCTANCE	2014/09/03	512	1600.00 0	-----	900.000	US

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COUNTY: GLENN

SOURCE NO: 001

NAME: WELL 01

CLASS: NTNC

STATUS: Active

PSCODE	GROUP/CONSTITUENT IDENTIFICATION	DATE	RESULT *	MCL	DLR	TRIGGER	UNIT
1100101001	GP SECONDARY/GP						
	00945 SULFATE	2014/09/03	5.6	500.000	0.500	250.000	MG/L
	70300 TOTAL DISSOLVED SOLIDS	2014/09/03	290	1000.00 0	-----	500.000	MG/L
	82079 TURBIDITY, LABORATORY	2014/09/03	0.2	5.000	0.100	5.000	NTU
	01092 ZINC	2014/09/03 <	20	5000.00 0	50.000	5000.000	UG/L
	IO INORGANIC						
	01105 ALUMINUM	2014/09/03 <	10	1000.00 0	50.000	200.000	UG/L
	01097 ANTIMONY	2014/09/03 <	1	6.000	6.000	6.000	UG/L
	01002 ARSENIC	2014/09/03 <	2	10.000	2.000	5.000	UG/L
	01007 BARIUM	2014/09/03	94.7	1000.00 0	100.000	1000.000	UG/L
	01012 BERYLLIUM	2014/09/03 <	1	4.000	1.000	4.000	UG/L
	01027 CADMIUM	2014/09/03 <	0.2	5.000	1.000	5.000	UG/L
	01034 CHROMIUM (TOTAL)	2014/09/03	6	50.000	10.000	50.000	UG/L
	01032 CHROMIUM, HEXAVALENT	2014/09/03	4.22	10.000	1.000	10.000	UG/L
	01291 CYANIDE	2014/09/03 <	0.004	150.000	100.000	150.000	UG/L
	00951 FLUORIDE (F) (NATURAL-SOURCE)	2014/09/03 <	0.1	2.000	0.100	2.000	MG/L
	01051 LEAD	2014/09/03 <	0.5	-----	5.000	15.000	UG/L
	71900 MERCURY	2014/09/03	0.02	2.000	1.000	2.000	UG/L
	01067 NICKEL	2014/09/03 <	1	100.000	10.000	100.000	UG/L
	A-031 PERCHLORATE	2014/09/03 <	2	6.000	4.000	4.000	UG/L
	A-031 PERCHLORATE	2015/03/09 <	2	6.000	4.000	4.000	UG/L
	01147 SELENIUM	2014/09/03 <	1	50.000	5.000	50.000	UG/L
	01059 THALLIUM	2014/09/03 <	0.2	2.000	1.000	2.000	UG/L
	NI NITRATE/NITRITE						
	00618 NITRATE (as N)	2015/12/17	2.2	10.000	0.400	5.000	mg/L
	00618 NITRATE (as N)	2016/04/11	1.8	10.000	0.400	5.000	mg/L
	71850 NITRATE (AS NO3)	2014/09/03 <	0.4	45.000	2.000	23.000	MG/L
	A-029 NITRATE + NITRITE (AS N)	2014/09/03 <	0.1	10000.0 00	400.000	5000.000	UG/L
	00620 NITRITE (AS N)	2014/09/03 <	0.1	1000.00 0	400.000	500.000	UG/L
	RA RADIOLOGICAL						
	01501 GROSS ALPHA	2014/09/03	1.04	15.000	3.000	5.000	PCI/L

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NAME: CARRIERE FAMILY FARMS

COUNTY: GLENN

SOURCE NO: 001

NAME: WELL 01

CLASS: NTNC

STATUS: Active

PSCODE	GROUP/CONSTITUENT IDENTIFICATION	DATE	RESULT *	MCL	DLR	TRIGGER	UNIT
1100101001	RA RADIOLOGICAL						
	01502 GROSS ALPHA COUNTING ERROR	2014/09/03	1.19 *	-----	-----	-----	PCI/L
	A-072 GROSS ALPHA MDA95	2014/09/03	1.30 *	3.000	-----	-----	PCI/L
	09501 RADIUM 226	2015/03/09	0.038 *	-----	1.000	-----	PCI/L
	09502 RADIUM 226 COUNTING ERROR	2015/03/09	0.197 *	-----	-----	-----	PCI/L
	A-074 RADIUM 226 MDA95	2015/03/09	0.470 *	1.000	-----	-----	PCI/L
	11501 RADIUM 228	2015/03/09	0.000	-----	1.000	-----	
	11502 RADIUM 228 COUNTING ERROR	2015/03/09	0.466 *	-----	-----	-----	PCI/L
	A-075 RADIUM 228 MDA95	2015/03/09	0.253 *	1.000	-----	-----	PCI/L
	28012 URANIUM (PCI/L)	2014/09/03	0.411	20.000	1.000	20.000	PCI/L
	A-028 URANIUM COUNTING ERROR	2014/09/03	0.494 *	-----	-----	-----	PCI/L
	A-073 URANIUM MDA95	2014/09/03	0.300 *	1.000	-----	-----	PCI/L
	S1 REGULATED VOC						
	34506 1,1,1-TRICHLOROETHANE	2014/09/03 <	0.5	200.000	0.500	0.500	UG/L
	34506 1,1,1-TRICHLOROETHANE	2015/06/04 <	.5000	200.000	0.500	0.500	UG/L
	34516 1,1,2,2-TETRACHLOROETHANE	2014/09/03 <	0.5	1.000	0.500	0.500	UG/L
	34516 1,1,2,2-TETRACHLOROETHANE	2015/06/04 <	.5000	1.000	0.500	0.500	UG/L
	34511 1,1,2-TRICHLOROETHANE	2014/09/03 <	0.5	5.000	0.500	0.500	UG/L
	34511 1,1,2-TRICHLOROETHANE	2015/06/04 <	.5000	5.000	0.500	0.500	UG/L
	34496 1,1-DICHLOROETHANE	2014/09/03 <	0.5	5.000	0.500	0.500	UG/L
	34496 1,1-DICHLOROETHANE	2015/06/04 <	.5000	5.000	0.500	0.500	UG/L
	34501 1,1-DICHLOROETHYLENE	2014/09/03 <	0.5	6.000	0.500	0.500	UG/L
	34501 1,1-DICHLOROETHYLENE	2015/06/04 <	.5000	6.000	0.500	0.500	UG/L
	34551 1,2,4-TRICHLOROBENZENE	2014/09/03 <	0.5	5.000	0.500	0.500	UG/L
	34551 1,2,4-TRICHLOROBENZENE	2015/06/04 <	.5000	5.000	0.500	0.500	UG/L
	34536 1,2-DICHLOROBENZENE	2014/09/03 <	0.5	600.000	0.500	0.500	UG/L
	34536 1,2-DICHLOROBENZENE	2015/06/04 <	.5000	600.000	0.500	0.500	UG/L
	34531 1,2-DICHLOROETHANE	2014/09/03 <	0.5	0.500	0.500	0.500	UG/L
	34531 1,2-DICHLOROETHANE	2015/06/04 <	.5000	0.500	0.500	0.500	UG/L

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PSCODE	GROUP/CONSTITUENT IDENTIFICATION	DATE	RESULT *	MCL	DLR	TRIGGER	UNIT
1100101001	S1 REGULATED VOC						
34541	1,2-DICHLOROPROPANE	2014/09/03	< 0.5	5.000	0.500	0.500	UG/L
34541	1,2-DICHLOROPROPANE	2015/06/04	< .5000	5.000	0.500	0.500	UG/L
34561	1,3-DICHLOROPROPENE (TOTAL)	2014/09/03	< 0.5	0.500	0.500	0.500	UG/L
34561	1,3-DICHLOROPROPENE (TOTAL)	2015/06/04	< .5000	0.500	0.500	0.500	UG/L
34571	1,4-DICHLOROBENZENE	2014/09/03	< 0.5	5.000	0.500	0.500	UG/L
34571	1,4-DICHLOROBENZENE	2015/06/04	< .5000	5.000	0.500	0.500	UG/L
34030	BENZENE	2014/09/03	< 0.5	1.000	0.500	0.500	UG/L
34030	BENZENE	2015/06/04	< .5000	1.000	0.500	0.500	UG/L
32102	CARBON TETRACHLORIDE	2014/09/03	< 0.5	0.500	0.500	0.500	UG/L
32102	CARBON TETRACHLORIDE	2015/06/04	< .5000	0.500	0.500	0.500	UG/L
77093	CIS-1,2-DICHLOROETHYLENE	2014/09/03	< 0.5	6.000	0.500	0.500	UG/L
77093	CIS-1,2-DICHLOROETHYLENE	2015/06/04	< .5000	6.000	0.500	0.500	UG/L
34423	DICHLOROMETHANE	2014/09/03	< 0.5	5.000	0.500	0.500	UG/L
34423	DICHLOROMETHANE	2015/06/04	< .5000	5.000	0.500	0.500	UG/L
34371	ETHYLBENZENE	2014/09/03	< 0.5	300.000	0.500	0.500	UG/L
34371	ETHYLBENZENE	2015/06/04	< .5000	300.000	0.500	0.500	UG/L
46491	METHYL-TERT-BUTYL-ETHER (MTBE)	2014/09/03	< 1	13.000	3.000	3.000	UG/L
46491	METHYL-TERT-BUTYL-ETHER (MTBE)	2015/06/04	< 1.0000	13.000	3.000	3.000	UG/L
34301	MONOCHLOROBENZENE	2014/09/03	< 0.5	70.000	0.500	0.500	UG/L
34301	MONOCHLOROBENZENE	2015/06/04	< .5000	70.000	0.500	0.500	UG/L
77128	STYRENE	2014/09/03	< 0.5	100.000	0.500	0.500	UG/L
77128	STYRENE	2015/06/04	< .5000	100.000	0.500	0.500	UG/L
34475	TETRACHLOROETHYLENE	2014/09/03	< 0.5	5.000	0.500	0.500	UG/L
34475	TETRACHLOROETHYLENE	2015/06/04	< .5000	5.000	0.500	0.500	UG/L
34010	TOLUENE	2014/09/03	< 0.5	150.000	0.500	0.500	UG/L
34010	TOLUENE	2015/06/04	< .5000	150.000	0.500	0.500	UG/L
34546	TRANS-1,2-DICHLOROETHYLENE	2014/09/03	< 0.5	10.000	0.500	0.500	UG/L
34546	TRANS-1,2-DICHLOROETHYLENE	2015/06/04	< .5000	10.000	0.500	0.500	UG/L

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SYSTEM NO: 1100101

NAME: CARRIERE FAMILY FARMS

COUNTY: GLENN

SOURCE NO: 001

NAME: WELL 01

CLASS: NTNC

STATUS: Active

PSCODE	GROUP/CONSTITUENT IDENTIFICATION	DATE	RESULT *	MCL	DLR	TRIGGER	UNIT
1100101001	S1 REGULATED VOC						
	39180 TRICHLOROETHYLENE	2014/09/03	< 0.5	5.000	0.500	0.500	UG/L
	39180 TRICHLOROETHYLENE	2015/06/04	< .5000	5.000	0.500	0.500	UG/L
	34488 TRICHLOROFLUOROMETHANE	2014/09/03	< 0.5	150.000	5.000	5.000	UG/L
	34488 TRICHLOROFLUOROMETHANE	2015/06/04	< .5000	150.000	5.000	5.000	UG/L
	81611 TRICHLOROTRIFLUOROETHANE (FREON 113)	2014/09/03	< 0.5	1200.00 0	10.000	10.000	UG/L
	81611 TRICHLOROTRIFLUOROETHANE (FREON 113)	2015/06/04	< .5000	1200.00 0	10.000	10.000	UG/L
	39175 VINYL CHLORIDE	2014/09/03	< 0.5	0.500	0.500	0.500	UG/L
	39175 VINYL CHLORIDE	2015/06/04	< .5000	0.500	0.500	0.500	UG/L
	81551 XYLENES (TOTAL)	2014/09/03	< 0.5	1750.00 0	0.500	0.500	UG/L
	81551 XYLENES (TOTAL)	2015/06/04	< .5000	1750.00 0	0.500	0.500	UG/L
	S2 REGULATED SOC						
	34676 2,3,7,8-TCDD (DIOXIN)	2014/09/03	00000000 00	30.000	5.000	5.000	PG/L
	39045 2,4,5-TP (SILVEX)	2014/09/03	< 1	50.000	1.000	1.000	UG/L
	39730 2,4-D	2014/09/03	< 2	70.000	10.000	10.000	UG/L
	77825 ALACHLOR	2014/09/03	< 1	2.000	1.000	1.000	UG/L
	39033 ATRAZINE	2014/09/03	< 0.5	1.000	0.500	0.500	UG/L
	38710 BENTAZON	2014/09/03	< 2	18.000	2.000	2.000	UG/L
	34247 BENZO (A) PYRENE	2014/09/03	< 0.10	0.200	0.100	0.100	UG/L
	81405 CARBOFURAN	2014/09/03	< 5	18.000	5.000	5.000	UG/L
	39350 CHLORDANE	2014/09/03	< 0.1	0.100	0.100	0.100	UG/L
	38432 DALAPON	2014/09/03	< 10	200.000	10.000	10.000	UG/L
	A-026 DI(2-ETHYLHEXYL)ADIPATE	2014/09/03	< 5.0	400.000	5.000	5.000	UG/L
	39100 DI(2-ETHYLHEXYL)PHTHALATE	2014/09/03	< 3.0	4.000	3.000	3.000	UG/L
	38761 DIBROMOCHLOROPROPANE (DBCP)	2014/09/03	< 0.01	0.200	0.010	0.010	UG/L
	81287 DINOSEB	2014/09/03	< 1	7.000	2.000	2.000	UG/L
	78385 DIQUAT	2014/09/03	< 2	20.000	4.000	4.000	UG/L
	38926 ENDOTHALL	2014/09/03	< 40	100.000	45.000	45.000	UG/L
	39390 ENDRIN	2014/09/03	< 0.01	2.000	0.100	0.100	UG/L
	77651 ETHYLENE DIBROMIDE (EDB)	2014/09/03	< 0.02	0.050	0.020	0.020	UG/L

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SYSTEM NO: 1100101 NAME: CARRIERE FAMILY FARMS

COUNTY: GLENN

SOURCE NO: 001

NAME: WELL 01

CLASS: NTNC

STATUS: Active

PSCODE	GROUP/CONSTITUENT IDENTIFICATION	DATE	RESULT *	MCL	DLR	TRIGGER	UNIT
1100101001	S2 REGULATED SOC						
	79743 GLYPHOSATE	2014/09/03 <	20	700.000	25.000	25.000	UG/L
	39410 HEPTACHLOR	2014/09/03 <	0.01	0.010	0.010	0.010	UG/L
	39420 HEPTACHLOR EPOXIDE	2014/09/03 <	0.01	0.010	0.010	0.010	UG/L
	39700 HEXACHLOROBENZENE	2014/09/03 <	0.01	1.000	0.500	0.500	UG/L
	34386 HEXACHLOROCYCLOPENTADIENE	2014/09/03 <	0.1	50.000	1.000	1.000	UG/L
	39340 LINDANE	2014/09/03 <	0.05	0.200	0.200	0.200	UG/L
	39480 METHOXYCHLOR	2014/09/03 <	0.1	30.000	10.000	10.000	UG/L
	82199 MOLINATE	2014/09/03 <	2	20.000	2.000	2.000	UG/L
	38865 OXAMYL	2014/09/03 <	5	50.000	20.000	20.000	UG/L
	34671 PCB-1016 (AS DECACHLOROBIPHENYL (DCB))	2014/09/03 <	0.5	-----	0.500	0.500	UG/L
	39488 PCB-1221 (AS DCB)	2014/09/03 <	0.5	-----	0.500	0.500	UG/L
	39492 PCB-1232 (AS DCB)	2014/09/03 <	0.5	-----	0.500	0.500	UG/L
	39496 PCB-1242 (AS DCB)	2014/09/03 <	0.5	-----	0.500	0.500	UG/L
	39500 PCB-1248 (AS DCB)	2014/09/03 <	0.5	-----	0.500	0.500	UG/L
	39504 PCB-1254 (AS DCB)	2014/09/03 <	0.5	-----	0.500	0.500	UG/L
	39508 PCB-1260 (AS DCB)	2014/09/03 <	0.5	-----	0.500	0.500	UG/L
	39032 PENTACHLOROPHENOL	2014/09/03 <	0.2	1.000	0.200	0.200	UG/L
	39720 PICLORAM	2014/09/03 <	1	500.000	1.000	1.000	UG/L
	39055 SIMAZINE	2014/09/03 <	0.5	4.000	1.000	1.000	UG/L
	A-001 THIOBENCARB	2014/09/03 <	1	70.000	1.000	1.000	
	39400 TOXAPHENE	2014/09/03 <	0.5	3.000	1.000	1.000	UG/L
	UA STATE UCMR						
	77562 1,1,1,2-TETRACHLOROETHANE	2014/09/03 <	0.5	-----	0.500	0.500	UG/L
	77562 1,1,1,2-TETRACHLOROETHANE	2015/06/04 <	.5000	-----	0.500	0.500	UG/L
	01020 BORON	2014/09/03	100	1000.00 0	100.000	1000.000	UG/L
	34668 DICHLORODIFLUOROMETHANE (FREON 12)	2014/09/03 <	0.5	1000.00 0	0.500	1000.000	UG/L
	34668 DICHLORODIFLUOROMETHANE (FREON 12)	2015/06/04 <	.5000	1000.00 0	0.500	1000.000	UG/L
	A-033 ETHYL-TERT-BUTYL ETHER	2014/09/03 <	3 *	-----	3.000	-----	UG/L
	A-033 ETHYL-TERT-BUTYL ETHER	2015/06/04 <	3.0000 *	-----	3.000	-----	UG/L

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SYSTEM NO: 1100101 NAME: CARRIERE FAMILY FARMS

COUNTY: GLENN

SOURCE NO: 001 NAME: WELL 01

CLASS: NTNC

STATUS: Active

PSCODE	GROUP/CONSTITUENT IDENTIFICATION	DATE	RESULT *	MCL	DLR	TRIGGER	UNIT
1100101001	UA STATE UCMR						
	A-034 TERT-AMYL-METHYL ETHER	2014/09/03	< 3 *	-----	3.000	-----	UG/L
	A-034 TERT-AMYL-METHYL ETHER	2015/06/04	< 3.0000 *	-----	3.000	-----	UG/L
	01087 VANADIUM	2014/09/03	7	50.000	3.000	50.000	UG/L
	UB UNREG. TABLE B						
	77222 1,2,4-TRIMETHYLBENZENE	2014/09/03	< 0.5	330.000	0.500	330.000	UG/L
	77222 1,2,4-TRIMETHYLBENZENE	2015/06/04	< .5000	330.000	0.500	330.000	UG/L
	38458 DIMETHOATE	2014/09/03	< 2 *	-----	-----	-----	UG/L
	A-011 P-ISOPROPYLTOLUENE	2014/09/03	< 0.5 *	-----	-----	-----	UG/L
	A-011 P-ISOPROPYLTOLUENE	2015/06/04	< .5000 *	-----	-----	-----	UG/L
	UC UNREG. TABLE C						
	38533 PROPACHLOR	2014/09/03	< 0.5	0.500	0.500	0.500	UG/L
	XX GENERAL NON CHAP 15						
	77168 1,1-DICHLOROPROPENE	2014/09/03	< 0.5	-----	0.500	0.500	UG/L
	77168 1,1-DICHLOROPROPENE	2015/06/04	< .5000	-----	0.500	0.500	UG/L
	77613 1,2,3-TRICHLOROBENZENE	2014/09/03	< 0.5	-----	0.500	0.500	UG/L
	77613 1,2,3-TRICHLOROBENZENE	2015/06/04	< .5000	-----	0.500	0.500	UG/L
	77226 1,3,5-TRIMETHYLBENZENE	2014/09/03	< 0.5	330.000	0.500	330.000	UG/L
	77226 1,3,5-TRIMETHYLBENZENE	2015/06/04	< .5000	330.000	0.500	330.000	UG/L
	34566 1,3-DICHLOROBENZENE	2014/09/03	< 0.5	-----	0.500	600.000	UG/L
	34566 1,3-DICHLOROBENZENE	2015/06/04	< .5000	-----	0.500	600.000	UG/L
	77173 1,3-DICHLOROPROPANE	2014/09/03	< 0.5	-----	0.500	0.500	UG/L
	77173 1,3-DICHLOROPROPANE	2015/06/04	< .5000	-----	0.500	0.500	UG/L
	77170 2,2-DICHLOROPROPANE	2014/09/03	< 0.5	-----	0.500	0.500	UG/L
	77170 2,2-DICHLOROPROPANE	2015/06/04	< .5000	-----	0.500	0.500	UG/L
	39740 2,4,5-T	2014/09/03	< 1 *	-----	-----	-----	UG/L
	A-008 2-CHLOROTOLUENE	2014/09/03	< 0.5	140.000	0.500	0.500	UG/L
	A-008 2-CHLOROTOLUENE	2015/06/04	< .5000	140.000	0.500	0.500	UG/L
	A-021 3-HYDROXYCARBOFURAN	2014/09/03	< 3	-----	3.000	3.000	UG/L
	A-009 4-CHLOROTOLUENE	2014/09/03	< 0.5	140.000	0.500	140.000	UG/L
	A-009 4-CHLOROTOLUENE	2015/06/04	< .5000	140.000	0.500	140.000	UG/L

DATE: 6/28/2016

STATE OF CALIFORNIA
DRINKING WATER ANALYSES RESULTS REPORT
ALL SAMPLES FOR ALL CONSTITUENTS - ALL RESULTS
FOR SAMPLE DATE RANGE OF 19800101 THRU 20160628
REPORT OF SYSTEM: 1100101

PAGE 8

SYSTEM NO:

NAME:

COUNTY:

SOURCE NO:

NAME:

CLASS:

STATUS:

PSCODE	GROUP/CONSTITUENT IDENTIFICATION	DATE	RESULT *	MCL	DLR	TRIGGER	UNIT
1100101001	XX GENERAL NON CHAP 15						
	39053 ALDICARB	2014/09/03 <	3	-----	3.000	7.000	UG/L
	A-020 ALDICARB SULFONE	2014/09/03 <	2	-----	4.000	4.000	UG/L
	A-019 ALDICARB SULFOXIDE	2014/09/03 <	3	-----	3.000	3.000	UG/L
	39330 ALDRIN	2014/09/03 <	0.075 *	-----	0.075	0.002	UG/L
	00410 ALKALINITY (TOTAL) AS CaCO3	2014/09/03	200 *	-----	-----	-----	MG/L
	82198 BROMACIL	2014/09/03 <	2	-----	10.000	10.000	UG/L
	81555 BROMOBENZENE	2014/09/03 <	0.5	-----	0.500	0.500	UG/L
	81555 BROMOBENZENE	2015/06/04 <	.5000	-----	0.500	0.500	UG/L
	A-012 BROMOCHLOROMETHANE	2014/09/03 <	0.5	-----	0.500	0.500	UG/L
	A-012 BROMOCHLOROMETHANE	2015/06/04 <	.5000	-----	0.500	0.500	UG/L
	34413 BROMOMETHANE	2014/09/03 <	0.5	-----	0.500	0.500	UG/L
	34413 BROMOMETHANE	2015/06/04 <	.5000	-----	0.500	0.500	UG/L
	77860 BUTACHLOR	2014/09/03 <	0.38	-----	0.380	0.380	UG/L
	77700 CARBARYL	2014/09/03 <	5	-----	5.000	700.000	UG/L
	34311 CHLOROETHANE	2014/09/03 <	0.5	-----	0.500	0.500	UG/L
	34311 CHLOROETHANE	2015/06/04 <	.5000	-----	0.500	0.500	UG/L
	34418 CHLOROMETHANE	2014/09/03 <	0.5	-----	0.500	0.500	UG/L
	34418 CHLOROMETHANE	2015/06/04 <	.5000	-----	0.500	0.500	UG/L
	34704 CIS-1,3-DICHLOROPROPENE	2014/09/03 <	0.5	0.500	0.500	0.500	UG/L
	34704 CIS-1,3-DICHLOROPROPENE	2015/06/04 <	.5000	0.500	0.500	0.500	UG/L
	39570 DIAZINON	2014/09/03 <	2 *	1.200	-----	-----	UG/L
	77596 DIBROMOMETHANE	2014/09/03 <	0.5	-----	0.500	0.500	UG/L
	77596 DIBROMOMETHANE	2015/06/04 <	.5000	-----	0.500	0.500	UG/L
	82052 DICAMBA	2014/09/03 <	1 *	-----	1.500	-----	UG/L
	39380 DIELDRIN	2014/09/03 <	0.01 *	-----	0.020	0.002	UG/L
	A-036 DIISOPROPYL ETHER	2014/09/03 <	3 *	-----	3.000	-----	UG/L
	A-036 DIISOPROPYL ETHER	2015/06/04 <	3.0000 *	-----	3.000	-----	UG/L
	34391 HEXACHLOROBUTADIENE	2014/09/03 <	0.5	-----	0.500	0.500	UG/L
	34391 HEXACHLOROBUTADIENE	2015/06/04 <	.5000	-----	0.500	0.500	UG/L
	77223 ISOPROPYLBENZENE	2014/09/03 <	0.5	770.000	0.500	770.000	UG/L

DATE: 6/28/2016

STATE OF CALIFORNIA
DRINKING WATER ANALYSES RESULTS REPORT
ALL SAMPLES FOR ALL CONSTITUENTS - ALL RESULTS
FOR SAMPLE DATE RANGE OF 19800101 THRU 20160628
REPORT OF SYSTEM: 1100101

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SYSTEM NO:

NAME:

COUNTY:

SOURCE NO:

NAME:

CLASS:

STATUS:

PSCODE		GROUP/CONSTITUENT IDENTIFICATION	DATE	RESULT	*	MCL	DLR	TRIGGER	UNIT
1100101001	XX	77223	ISOPROPYLBENZENE	2015/06/04	<	.5000	770.000	0.500	770.000 UG/L
		71814	LANGELIER INDEX AT SOURCE TEMP.	2014/09/03		-0.02	-----	-----	-----
		A-014	M,P-XYLENE	2014/09/03	<	0.5	-----	0.500	----- UG/L
		A-014	M,P-XYLENE	2015/06/04	<	.5000	-----	0.500	----- UG/L
		39051	METHOMYL	2014/09/03	<	2	-----	2.000	2.000 UG/L
		39356	METOLACHLOR	2014/09/03	<	1	-----	-----	----- UG/L
		81408	METRIBUZIN	2014/09/03	<	0.5	-----	-----	----- UG/L
		34696	NAPHTHALENE	2014/09/03	<	0.5	170.000	0.500	170.000 UG/L
		34696	NAPHTHALENE	2015/06/04	<	.5000	170.000	0.500	170.000 UG/L
		A-010	N-BUTYLBENZENE	2014/09/03	<	0.5	260.000	0.500	70.000 UG/L
		A-010	N-BUTYLBENZENE	2015/06/04	<	.5000	260.000	0.500	70.000 UG/L
		77224	N-PROPYLBENZENE	2014/09/03	<	0.5	260.000	0.500	260.000 UG/L
		77224	N-PROPYLBENZENE	2015/06/04	<	.5000	260.000	0.500	260.000 UG/L
		77135	O-XYLENE	2014/09/03	<	0.5	-----	0.500	----- UG/L
		77135	O-XYLENE	2015/06/04	<	.5000	-----	0.500	----- UG/L
		00937	POTASSIUM	2014/09/03		1	-----	-----	----- MG/L
		39057	PROMETRYN	2014/09/03	<	2	-----	2.000	2.000 UG/L
		77350	SEC-BUTYLBENZENE	2014/09/03	<	0.5	260.000	0.500	0.500 UG/L
		77350	SEC-BUTYLBENZENE	2015/06/04	<	.5000	260.000	0.500	0.500 UG/L
		00931	SODIUM ABSORPTION RATIO	2014/09/03		0.7	-----	-----	-----
		77353	TERT-BUTYLBENZENE	2014/09/03	<	0.5	260.000	0.500	0.500 UG/L
		77353	TERT-BUTYLBENZENE	2015/06/04	<	.5000	260.000	0.500	0.500 UG/L
		34699	TRANS-1,3-DICHLOROPROPENE	2014/09/03	<	0.5	0.500	0.500	----- UG/L
		34699	TRANS-1,3-DICHLOROPROPENE	2015/06/04	<	.5000	0.500	0.500	----- UG/L

Permit Amendment Application

STATE OF CALIFORNIA
APPLICATION
FOR
DOMESTIC WATER SUPPLY PERMIT AMENDMENT
FROM

Applicant: Carriere Family Farms
(Enter the name of legal owner, i.e., person(s) or organization)

Address: 1640 State Highway 45 Glenn, CA. 95943

System Name: Carriere Family Farms

System Number: 1100101

TO: State Water Resources Control Board
Division of Drinking Water
Drinking Water Field Operations Branch, District 21
364 Knollcrest Drive, Suite 101
Redding, CA 96002



Pursuant and subject to the requirements of the California Health and Safety Code,
Division 104, Part 12, Chapter 4 (California Safe Drinking Water Act), Article 7, Section 116525,
relating to domestic water supply permits, application is hereby made for a
domestic water supply permit to operate a Nontransient-Noncommunity Water System in
Glenn, CA.

(Applicant should state the type of system, e.g., community, transient-noncommunity,

or nontransient-noncommunity, and the proposed area of services. This application form may also be used for a change in

ownership application.)

FOR OFFICIAL USE

RECEIVED
Date Received:
SWRCB REDDING

JAN 19 2016

DIVISION OF
DRINKING WATER

I (We) declare under penalty of perjury that the statements on this application and on the accompanying attachments are correct to my (our) knowledge and that I (we) are acting under authority and direction of the responsible legal entity under whose name this application is made.

Signed By: [Signature]

Title: Plant Manager

Address: 1640 Highway 45

Drinking Water Source Assessment (DSWAP)

Drinking Water Source Assessment

Water System

Carriere Family Farms

Glenn County

Water Source

Well 01

Assessment Date

January 2016

California Division of Drinking Water

Northern Field Operations Branch

Valley District

District No.	<u>21</u>
System No.	<u>1100101</u>
Source No.	<u>001</u>
PS Code	<u>1100101-001</u>

Drinking Water Source Assessment and Protection (DWSAP) Program

Assessment Summary

Description of System and Source

The Carriere Family Farms water system is classified as non-transient and is located in Glenn County. The water system serves two walnut packing plants and an office. There are approximately 55 employees.

The drinking water source (Well 01) is of unknown construction (a well log could not be located) and probably does not have a sanitary seal. The well has a 10-inch diameter steel casing, submersible pump, and pressure tank. It draws from the underlying aquifer. The well is likely between 50 and 150 feet in depth.

Land surrounding the facility is used almost exclusively to grow orchard crops. The facility is on the east side of Highway 45/162 about 1.3 miles south of the community of Glenn, in Glenn County. The River Branch Canal is across the two-lane highway from the plant.

Assessment Procedures

This assessment was conducted by staff of the Division of Drinking Water, in January 2016, in accordance with standard DWSAP procedures. Information for the assessment was obtained from online maps, satellite photos, the plant manager (Ron Bryant), etc.

Contents of this Assessment

- *Assessment Summary*
- *Vulnerability Summary*
- *Delineation of Protection Zones*
- *Physical Barrier Effectiveness Checklist*
- *Inventory of Possible Contaminating Activities*
- *Vulnerability Ranking*
- *Assessment Map*

Comments

Well location (coordinates) was established using an online map (mapper.acme.com).

Vulnerability Summary

THE FOLLOWING INFORMATION MUST BE INCLUDED IN THE SYSTEM CONSUMER CONFIDENCE REPORT

A source water assessment was conducted for the Well 01 of the
Carriere Family Farms water system in January 2016.

The source is considered most vulnerable to the following activities associated with contaminants detected in the water supply:

- *Septic systems – low density (<1/acre)*
- *Agricultural Drainage*
- *Crops, irrigated*

The source is considered most vulnerable to the following activities not associated with any detected contaminants:

- *Septic systems – low density (<1/acre)*
- *Agricultural Drainage*
- *Food processing*
- *Crops, irrigated*
- *Fertilizer, Pesticide/ Herbicide Application*
- *Transportation Corridors- Freeways/state highways*
- *Surface water - streams/ lakes/rivers*
- *Wells – Water supply*

Discussion of Vulnerability

There have been no contaminants detected in the water supply at or near regulatory levels; however, the source is still considered vulnerable to activities located near the drinking water source.

Delineation of Ground Water Protection Zones

Indicate the method used to delineate the zones:

(For more information refer to the Drinking Water Source Assessment and Protection document)

- ☒ Calculated Fixed Radius (Default) (Show calculations below)
- ☐ Modified Calculated Fixed Radius (Show calculations below and attach documentation for direction of ground water flow)
- ☐ More detailed methods
Type used (i.e., analytical methods, hydrogeologic mapping, modeling):
- ☐ Arbitrary Fixed Radius (For use only by or with permission of DHS—use minimum distances shown below)

Calculated Fixed Radius Equation

The equation for the calculated fixed radius (R) is $R_t = \sqrt{Q t / \pi \eta H}$

$R_t = R_2, R_5, \text{ or } R_{10}$ corresponding to t (Calculate R for each travel time)

Q = maximum pumping capacity of well
($\text{ft}^3/\text{year} = \text{gpm} * 70,267$):

t = time of travel (years), 2, 5 and 10 years

$\pi = 3.1416$

η = effective porosity (decimal percent) (If unknown, assume 0.2):

H = screened interval of well (feet) (If unknown, assume 10% of Q gpm, 10 ft minimum):

Specific methods follow on next page

Calculated Fixed Radius Delineation Method (Default)

Using the equation presented above, calculate the size of zones for the appropriate aquifer setting of the source.

Porous Media Aquifer

Zone A (2 year TOT) $R_2 =$ _____ ft, minimum = 600 ft—use larger: _____ ft
 Zone B5 (5 year TOT) $R_5 =$ _____ ft, minimum = 1,000 ft—use larger: _____ ft
 Zone B10 (10 year TOT) $R_{10} =$ _____ ft, minimum = 1,500 ft—use larger: _____ ft

Default values

Fractured Rock Aquifer

(Increase size of zones by 50%)

Zone A (2 year TOT) $1.5R_2 =$ _____ ft, minimum = 900 ft—use larger: _____ ft
 Zone B5 (5 year TOT) $1.5R_5 =$ _____ ft, minimum = 1,500 ft—use larger: _____ ft
 Zone B10 (10 year TOT) $1.5R_{10} =$ _____ ft, minimum = 2,250 ft—use larger: _____ ft

Modified Calculated Fixed Radius Delineation Method

In porous media aquifers, if the direction of ground water flow is known (see Section 6.2.3), the default zone circle may be shifted upgradient by $0.5R_i$. The upgradient and downgradient limits of the zone are determined below.

Zone A (2-year TOT)

upgradient distance = $1.5R_2 =$ _____ ft, minimum = 900 ft, use larger: _____ ft
 downgradient distance = $0.5R_2 =$ _____ ft, minimum = 300 ft, use larger: _____ ft

Zone B5 (5-year TOT)

upgradient distance = $1.5R_5 =$ _____ ft, minimum = 1,500 ft, use larger: _____ ft
 downgradient distance = $0.5R_5 =$ _____ ft, minimum = 500 ft, use larger: _____ ft

Zone B10 (10-year TOT)

upgradient distance = $1.5R_{10} =$ _____ ft, minimum = 2,250 ft, use larger: _____ ft
 downgradient distance = $0.5R_{10} =$ _____ ft, minimum = 750 ft, use larger: _____ ft

Drinking Water Source Assessment and Protection (DWSAP) Program

Physical Barrier Effectiveness (PBE) – Ground Water, page 1 of 2

Source Name: _____

Source No.: _____

PARAMETER	POINTS			
	Unconfined		Confined	
A. TYPE OF AQUIFER				
Confinement (up to 50 points maximum) choose one				
a. Unconfined, Semi-confined, Fractured Rock, Unknown	0	X		
b. Confined			50	
B. AQUIFER MATERIAL (Unconfined Aquifer)				
Type of materials within the aquifer (up to 20 points maximum) choose one				
1. Porous Media (Interbedded sands, silts, clays, gravels) with continuous clay layer minimum 25' thick above water table within Zone A	20			
2. Porous Media (Interbedded sands, silts, clays, and gravels)	10	X		
3. Fractured rock *	0			
(* Low Physical Barrier Effectiveness - no further questions required)				
C. PATHWAYS OF CONTAMINATION (All Aquifers)				
Presence of Abandoned or Improperly Destroyed Wells (up to 10 points maximum)				
1. Are they present within Zone A (2-year time of travel (TOT) distance)?				
a. Yes or unknown	0	X	0	
b. No	5		5	
2. Are they present within Zone B5 (2- to 5-year TOT distance)?				
a. Yes or unknown	0	X	0	
b. No	3		3	
3. Are they present within Zone B10 (5- to 10-year TOT distance)?				
a. Yes or unknown	0	X	0	
b. No	2		2	
D. STATIC WATER CONDITIONS (Unconfined Aquifer)				
Depth to static Water (DTW) = 15 feet (up to 10 points maximum) choose one				
1. 0 to 20 feet	0	X		
2. 20 to 50 feet	2			
3. 50 to 100 feet	6			
4. > 100 feet	10			
E. WELL OPERATION (Unconfined Aquifer)				
Depth to Uppermost Perforations (DUP) DUP = 50 feet				
Maximum Pumping Rate of Well (Q) Q = 50 gallons/minute				
Length of screened interval (H) H = 1 feet				
$[(DUP - DTW) / (Q/H)] = <1$ (up to 10 points maximum) choose one				
1. < 5	0	X		
2. 5 to 10	5			
3. > 10	10			

Drinking Water Source Assessment and Protection (DWSAP) Program

Physical Barrier Effectiveness – Ground Water, page 2 of 2

Source Name: _____ Source No. _____

PARAMETER	POINTS			
	Unconfined		Confined	
F. HYDRAULIC HEAD (Confined Aquifer) What is the relationship in hydraulic head between the confined aquifer and the overlying unconfined aquifer? (i.e. does the well flow under artesian conditions?) (up to 20 points maximum) choose one				
1. head in confined aquifer is higher than head in unconfined aquifer under all conditions			20	
2. head in confined aquifer is higher than head in unconfined aquifer under static conditions			10	
3. head in confined aquifer is lower than or same as head in unconfined aquifer			0	
4. unknown			0	
G. WELL CONSTRUCTION (All Aquifers)				
1. Sanitary Seal (Annular Seal) Depth = <u>NONE</u> feet (up to 10 points maximum) choose one				
a. None or less than 20 feet deep	0	X	0	
b. 20 to 50 ft deep	6		10	
c. 50 ft or greater	10		10	
2. Surface seal (concrete cap) (up to 4 points maximum) choose one				
a. Not present or improperly constructed	0	X	0	
b. Watertight, slopes away from well, at least 2' laterally in all directions	4		4	
3. Flooding potential at well site (up to 1 point maximum) choose one				
a. Subject to localized flooding (i.e. in low area or unsealed pit or vault) or Within 100 year flood plain	0	X	0	
b. Not subject to flooding	1		1	
4. Security at well site (up to 5 points maximum) choose one				
a. Not secure	0	X	0	
b. Secure (i.e. housing, fencing, etc.)	5		5	
Maximum Points Possible	70		100	
POINT TOTAL FOR THIS SOURCE	10			

Physical Barrier Effectiveness SCORE INTERPRETATION

<u>Point Total</u>	<u>Effectiveness</u>
<u>X</u> 0 to 35 =	Low (includes all sources in Fractured Rock)
36 to 69 =	Moderate
70 to 100 =	High

Possible Contaminating Activities (PCA) Inventory Form - Ground Water

District Name _____ District No. _____ County _____
System Name _____ System No. _____
Source Name _____ Source No. _____ PS Code: _____

Completed by _____ Date _____

PCA tables used for this drinking water source:

Commercial/Industrial X

Residential/Municipal

Agricultural/Rural X

Other (required for all) X

PCA Checklist COMMERCIAL/INDUSTRIAL

PCA (Risk Ranking)	PCA in Zone A?	PCA in Zone B5?	PCA in Zone B10?	Comments
Automobile- Body shops (H)	N	N	N	
Automobile- Car washes (M)	N	N	N	
Automobile- Gas stations (VH)	N	N	N	
Automobile- Repair shops (H)	N	N	N	
Boat services/repair/ refinishing (H)	N	N	N	
Chemical/petroleum pipelines (H)	N	N	N	
Chemical/petroleum processing/storage (VH)	N	N	N	
Dry cleaners (VH)	N	N	N	
Electrical/electronic manufacturing (H)	N	N	N	
Fleet/truck/bus terminals (H)	N	N	N	
Furniture repair/ manufacturing (H)	N	N	N	
Home manufacturing (H)	N	N	N	
Junk/scrap/salvage yards (H)	N	N	N	
Machine shops (H)	N	N	N	
Metal plating/ finishing/fabricating (VH)	N	N	N	
Photo processing/printing (H)	N	N	N	
Plastics/synthetics producers (VH)	N	N	N	
Research laboratories (H)	N	N	N	
Wood preserving/treating (H)	N	N	N	
Wood/pulp/paper processing and mills (H)	N	N	N	
Lumber processing and manufacturing (H)	N	N	N	
Sewer collection systems (H, if in Zone A, otherwise L)	N	N	N	
Parking lots/malls (>50 spaces) (M)	N	N	N	
Cement/concrete plants (M)	N	N	N	
Food processing (M)	Y	N	N	Facility processes walnuts
Funeral services/graveyards (M)	N	N	N	
Hardware/lumber/parts stores (M)	N	N	N	
Appliance/Electronic Repair (L)	N	N	N	
Office buildings/complexes (L)	N	N	N	
Rental Yards (L)	N	N	N	
RV/mini storage (L)	N	N	N	

PCA Checklist RESIDENTIAL/MUNICIPAL

PCA (Risk Ranking)	PCA in Zone A?	PCA in Zone B5?	PCA in Zone B10?	Comments
Airports - Maintenance/ fueling areas (VH)				
Landfills/dumps (VH)				
Railroad yards/ maintenance/ fueling areas (H)				
Septic systems - high density (>1/acre) (VH if in Zone A, otherwise M)				
Sewer collection systems (H, if in Zone A, otherwise L)				
Utility stations - maintenance areas (H)				
Wastewater treatment plants (VH in Zone A, otherwise H)				
Drinking water treatment plants (M)				
Golf courses (M)				
Housing - high density (>1 house/0.5 acres) (M)				
Motor pools (M)				
Parks (M)				
Waste transfer/recycling stations (M)				
Apartments and condominiums (L)				
Campgrounds/ Recreational areas (L)				
Fire stations (L)				
RV Parks (L)				
Schools (L)				
Hotels, Motels (L)				

PCA Checklist AGRICULTURAL/RURAL

PCA (Risk Ranking)	PCA in Zone A?	PCA in Zone B5?	PCA in Zone B10?	Comments
Grazing (> 5 large animals or equivalent per acre) (H in Zone A, otherwise M)	N	N	N	
Concentrated Animal Feeding Operations (CAFOs) as defined in federal regulation ¹ (VH in Zone A, otherwise H)	N	N	N	
Animal Feeding Operations as defined in federal regulation ² (VH in Zone A, otherwise H)	N	N	N	
Other Animal operations (H in Zone A, otherwise M)	N	N	N	
Farm chemical distributor/ application service (H)	N	N	N	
Farm machinery repair (H)	N	N	N	
Septic systems - low density (<1/acre) (H in Zone A, otherwise L)	Y	N	Y	A – Facility's septic B10 – Ranch house
Lagoons / liquid wastes (H)	N	N	N	
Machine shops (H)	N	N	N	
Pesticide/fertilizer/ petroleum storage & transfer areas (H)	N	N	N	
Agricultural Drainage (H in Zone A, otherwise M)	Y	Y	Y	Facility surrounded by orchards
Wells - Agricultural/ Irrigation (H)	N	N	N	
Managed Forests (M)	N	N	N	
Crops, irrigated (Berries, hops, mint, orchards, sod, greenhouses, vineyards, nurseries, vegetable) (M)	Y	Y	Y	Facility surrounded by orchards
Fertilizer, Pesticide/ Herbicide Application (M)	Y	Y	Y	Facility surrounded by orchards
Sewage sludge/biosolids application (M)	N	N	N	
Crops, non-irrigated (e.g., Christmas trees, grains, grass seeds, hay, pasture) (L) (includes drip-irrigated crops)	N	N	N	

PCA Checklist OTHER ACTIVITIES

PCA (Risk Ranking)	PCA in Zone A?	PCA in Zone B5?	PCA in Zone B10?	Comments
NPDES/WDR permitted discharges (H)	N	N	N	
Underground Injection of Commercial/Industrial Discharges (VH)	N	N	N	
Historic gas stations (VH)	N	N	N	
Historic waste dumps/ landfills (VH)	N	N	N	
Illegal activities/ unauthorized dumping (H)	N	N	N	
Injection wells/ dry wells/ sumps (VH)	N	N	N	
Known Contaminant Plumes (VH)	N	N	N	
Military installations (VH)	N	N	N	
Mining operations - Historic (VH)	N	N	N	
Mining operations - Active (VH)	N	N	N	
Mining - Sand/Gravel (H)	N	N	N	
Wells - Oil, Gas, Geothermal (H)	N	N	N	
Salt Water Intrusion (H)	N	N	N	
Recreational area - surface water source (H)	N	N	N	
Underground storage tanks - Confirmed leaking tanks (VH)	N	N	N	
Underground storage tanks - Decommissioned - inactive tanks (L)	N	N	N	
Underground storage tanks - Non- regulated tanks (tanks smaller than regulatory limit) (H)	N	N	N	
Underground storage tanks - Not yet upgraded or registered tanks (H)	N	N	N	
Underground storage tanks - Upgraded and/or registered - active tanks (L)	N	N	N	
Above ground storage tanks (M)	N	N	N	
Wells - Water supply (M)	N	N	Y	Domestic & possibly ag
Construction/demolition staging areas (M)	N	N	N	
Contractor or government agency equipment storage yards (M)	N	N	N	
Dredging (M)	N	N	N	
Transportation corridors - Freeways/state highways (M)	Y	Y	Y	State Route 45/162
Transportation corridors - Railroads (M)	N	N	N	
Transportation corridors - Historic railroad right-of-ways (M)	N	N	N	
Transportation corridors - Road Right-of- ways (herbicide use areas) (M)	N	N	N	
Transportation corridors - Roads/ Streets (L)	N	N	N	
Hospitals (M)	N	N	N	
Storm Drain Discharge Points (M)	N	N	N	
Storm Water Detention Facilities (M)	N	N	N	

PCA Checklist OTHER ACTIVITIES (continued)

PCA (Risk Ranking)	PCA in Zone A?	PCA in Zone B5?	PCA in Zone B10?	Comments
Artificial Recharge Projects - Injection wells (potable water) (L)	N	N	N	
Artificial Recharge Projects - Injection wells (non-potable water) (M)	N	N	N	
Artificial Recharge Projects - Spreading Basins (potable water) (L)	N	N	N	
Artificial Recharge Projects - Spreading Basins (non-potable water) (M)	N	N	N	
Medical/dental offices/clinics (L)	N	N	N	
Veterinary offices/clinics (L)	N	N	N	
Surface water - streams/ lakes/rivers (L)	Y	Y	Y	River Branch Canal
Wells - monitoring, test holes (L)	N	N	N	

Groundwater Protection Zones & Assessment Map



CARRIERE FAMILY FARMS
SYSTEM NO. 1100101
DWSAP ZONES
JANUARY 2016

California Environmental Quality Act
Notice of Exemption

NOTICE OF EXEMPTION

(Categorical)

TO: Office of Planning and Research
P.O. Box 3044
Sacramento, CA 958112-3044

FROM: State Water Resources Control Board
Valley District Office
364 Knollcrest Drive, Suite 101
Redding, CA 96002
Contact: Reese Crenshaw
Phone number: 530-224-4861

SCH#: [if applicable]

WATER SYSTEM #: 1100101

PROJECT TITLE: Operation of a Potable Water Well

PROJECT LOCATION: In the vicinity of Highway 45 and Interstate 5, Glenn County

PROJECT DESCRIPTION: The State Water Resources Control Board (SWRCB), as the responsible agency, will be issuing a water supply permit. The Carriere Family Farms proposed project is the operation of an existing water system with one potable well.

PUBLIC AGENCY APPROVING PROJECT AND CARRYING OUT PROJECT: This is to advise that the SWRCB has issued a water supply permit for the above described project.

Categorical Exemption Status:

- ☒ Class 1 Existing Facilities
(CCR, Title 14, Sec 15301 and Title 22, Section 60101 (a))
- ☐ Class 2 Replacement or Reconstruction
(CCR, Title 14, Sec 15302 and Title 22, Section 60101 (b))
- ☐ Class 3 New Construction or Conversion of Small Structures
(CCR, Title 14, Sec 15303 and Title 22, Section 60101 (c))
- ☐ Class 4 Minor Alterations to Land
(CCR, Title 14, Sec 15304 and Title 22, Section 60101 (d))
- ☐ Class 6 Information Collection
(CCR, Title 14, Sec. 15306 and Title 22 Section 60101)

Reason why project is exempt: The public water system is existing and newly discovered by SWRCB district staff.

The State Water Resources Control Board is a responsible agency for this project and is not responsible for the California Department of Fish and Wildlife filing fees.

LEAD AGENCY: Carriere Family Farms

CONTACT PERSON: Ron Bryant

PHONE NUMBER: (530) 934-8200

Signature: R. Crenshaw Date: 7/19/16

Name: Reese Crenshaw Title: Senior Sanitary Engineer

TMF Form

**TMF Capacity Assessment "E-Z" Form
For
Transient-Noncommunity Public Water Systems
(Change of Ownership)**

Water System Name:

Carriere Family Farms

System Number:

1100101

Person completing this assessment:

Ron Bryant
Name

Plant Manager
Title

Ron Bryant
Signature

Jan. 12, 2016
Date

Background

As a result of the 1996 Federal Safe Drinking Water Act the California legislature passed Senate Bill 1307. This bill added Section 116540 to the California Health and Safety Code (CHSC). Subparagraph a) of this section states, "No public water system that was not in existence on January 1, 1998, shall be granted a permit unless the system demonstrates to the department that the water supplier possesses adequate financial, managerial, and technical capacity to assure the delivery of pure, wholesome, and potable drinking water. This section shall also apply to any change of ownership of a public water system that occurs after January 1, 1998."

The information you provide on this form will be used to assess the technical, managerial, and financial (TMF) capacity of your transient noncommunity public water system.

Instructions

This is a streamlined form that asks for specific documentation. In order to qualify to use this form you must be able to answer yes to ALL of the following statements. If you cannot answer yes to ALL of these statements you must use the standard TMF Assessment form.

2012-3777

RECORDING REQUESTED BY
AND WHEN RECORDED MAIL TO:
ELTON R. GARNER, JR.
Attorney at Law
P.O. Box 908
Willows, California 95988

CLOSE ENCLOSED

Recorded at the request of:
ATTORNEY

09/06/2012 02:18 PM
Fee: \$22.00 Pgs: 4

OFFICIAL RECORDS
Sheryl Thur, Clerk-Recorder
Glenn County, CA

MAIL TAX STATEMENTS TO:
Carriere Land, LLC
c/o Carriere Brothers
1640 State Hwy 45
Glenn, California 95943

QUITCLAIM DEED

The undersigned grantor(s) declare(s):

Documentary transfer tax is \$ -0-

() computed on full value of property conveyed, or

() computed on full value less value of liens and encumbrances remaining at time of sale.

(x) Unincorporated area: () City of Willows, and

AILEEN R. CARRIERE, as Trustee of the HERBERT A. CARRIERE TRUST and AILEEN R. CARRIERE, as Trustee of the AILEEN R. CARRIERE TRUST, hereby REMISES, RELEASES AND QUITCLAIMS to CARRIERE LAND, LLC, all her interest in that certain real property located in the County of Glenn, State of California, and more particularly described in Exhibit "A" attached hereto and made a part hereof by this reference.

Dated: January 1, 2012.

HERBERT A. CARRIERE TRUST

By: Aileen R. Carriere
AILEEN R. CARRIERE, as Trustee

AILEEN R. CARRIERE TRUST

By: Aileen R. Carriere
AILEEN R. CARRIERE, as Trustee

MAIL TAX STATEMENTS AS DIRECTED ABOVE



CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California }

County of Glenn }

On August 15 2012, before me, Yvonne A. Mayberry, Notary Public,
DATE NAME, TITLE OF OFFICER

personally appeared **AILEEN R. CARRIERE**

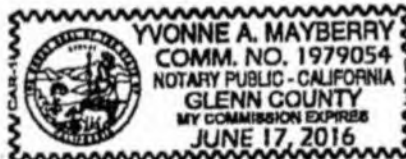
who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature

Yvonne A. Mayberry



(Seal)

Capacity Claimed by Signer

- ☐ INDIVIDUAL(S)
☐ CORPORATE OFFICER(S)

TITLE(S)

- ☐ PARTNER(S) ☐ LIMITED
☐ GENERAL

☐ ATTORNEY-IN-FACT

☒ TRUSTEE(S)

☐ SUBSCRIBING WITNESS

☐ GUARDIAN/CONSERVATOR

☐ OTHER: _____

Type of Document: _____

Quit/Claim Deed

Signer is Representing:

NAME OF PERSON(S) OR ENTITY(IES)

HERBERT A. CARRIERE TRUST
and
AILEEN R. CARRIERE TRUST



EXHIBIT "A"

Parcel I:

All that certain land situate, lying and being in the County of Glenn, State of California, described as follows:

Portions of the Rancho known as the Larkin's Children's Ranch being more particularly described by the survey and map thereof of the Glenn Ranch made by H.B. Shackelford, a licensed surveyor, in May and June, 1900 (said map being recorded in the office of the Glenn County Recorder, August 23, 1900) as follows:

The North half of the South half of section 67, together with right of way from the Southwest corner thereof, 40 feet wide due West to the Jacinto and Princeton Road, said right of way to be 20 feet in width each side of the line dividing the South half from the North with half of the Southeast quarter of Section 68.

Also all that portion of the North half of the Southeast quarter of Section 68 lying East of the Princeton and Jacinto Road, subject to a right of way along the South side 20 feet wide.

Also a portion of Section 67 described as follows: Beginning at a stake 20 chains South of the quarter Section corner of Sections 67 and 68, said stake marking the Southwest corner of Hanson and Hanson's Tract; running thence East 12.83 chains to a stake in the center of levee to the point of commencement of the 31 acre tract; thence East along the South line of Hanson and Hanson 31.67 chains to a stake on the West bank of the Sacramento River; thence Southerly along said West bank of Sacramento River to a stake which is 10 chains South of Hanson and Hanson's South line; thence West 30.33 chains to a stake in the center of the aforesaid levee; thence Northerly along the center of said levee to the place of beginning.

Together with all of the grantor's right, title and interest, if any, in and to all accreted land that is not located within the metes and bounds description of the hereinabove described real property that lies between the East boundary line of said real property and the presently existing West Bank of the Sacramento River.

APN: 016-030-011-0 and 016-030-029-0

Parcel II:

All that certain land situate, lying and being in the County of Glenn, State of California, described as follows:

Being a portion of the Rancho known as the Larkin's Children's Rancho, said tract being more particularly described by the survey and map of the Glenn Ranch made by H.B. Shackelford, a licensed surveyor in May and June, 1900 (said map or plat being recorded in the office of the Recorder of the County of Glenn, on August 23, 1900) and being more particularly described as follows, to wit:



EXHIBIT "A" (continued)

BEGINNING at a point 660 feet South of quarter section corner on the line between Sections 73 and 74 of said Glenn Ranch Survey; thence West 864.6 feet; thence South 478.5 feet, thence East 864.6 feet to section line; thence directly East in Section 74, 2193 feet to the West bank of the Sacramento River; thence North $29^{\circ} 16'$ West 412.0 feet along the West bank of the said River; thence North $2^{\circ} 16''$ West 118.5 feet along said West bank of said river to a point due East of the place of beginning, thence West 1985 feet to said place of beginning.

Together with a right of way 40 feet wide from the Northwest corner of said lands due North off of the West end of lands sold P.R. Estes and along the West side of land sold Charles Beck to the main levee of the Sacramento River; thence down said levee to a point where right of way heretofore granted Charles Beck and other, leaves said levee, thence due West 12.50 chains to the Princeton and Jacinto Public Road. A Strip of land 40 feet wide off the West side of said premises herein described is subject to a right of way for roads.

EXCEPTING THEREFROM a portion of Section 73 of the Glenn Ranch Survey described as follows: Beginning at a point 1138.5 feet South and 350.8 feet West of the Northeast corner of the Southeast quarter of Section 73 of the Glenn Ranch Survey, said point being on the South boundary of the land decded by H.H. Hanson et us to Wm. R. Lane by Deed recorded October 24, 1925 in Book 92 of Deeds, page 398, thence North 194.67 feet to an iron pipe; thence West 144.9 feet to an iron pipe, thence South 194.67 feet to an iron pipe, thence East 144.9 feet, more or less to an iron pipe marking the place of beginning.

APN: 016-040-016-0

RESERVING FROM ALL PROPERTY DESCRIBED IN THIS EXHIBIT "A" ANY AND ALL OIL, GAS, MINERALS, AND OTHER HYDROCARBON SUBSTANCES TOGETHER WITH THE RIGHT TO REMOVE THE SAME.



Five Year Budget Projection

Expenses	2016	2017	2018	2019	2020
<u>Operations + Maintenance</u>					
Utilities	1,800.00	1,864.00	1,928.00	2,025.00	2,146.00
Fees	500.00	550.00	600.00	650.00	700.00
Coliform Monitoring	650.00	675.00	700.00	725.00	750.00
Chemical Monitoring	700.00	725.00	750.00	775.00	800.00
Parts and Supplies	500.00	200.00	100.00	100.00	100.00
Miscellaneous	<u>200.00</u>	<u>200.00</u>	<u>150.00</u>	<u>100.00</u>	<u>100.00</u>
	4,350.00	4,204.00	4,228.00	4,375.00	4,596.00
<u>General + Administrative</u>					
Professional Services	1,000.00	1,050.00	1,100.00	1,150.00	1,200.00
Insurance	50.00	55.00	60.00	65.00	70.00
Miscellaneous	<u>600.00</u>	<u>700.00</u>	<u>800.00</u>	<u>900.00</u>	<u>1,000.00</u>
	1,650.00	1,805.00	1,960.00	2,015.00	2,270.00
Total Yearly Expenses	6,000.00	6,009.00	6,188.00	6,390.00	6,866.00

Report prepared by

Ron Bryant

Carriere Family Farms

System Number 1100101

Consumer Confidence Report Certification Form

(to be submitted with a copy of the CCR)

(to certify electronic delivery of the CCR, use the certification form on the State Water Board's website at
http://www.swrcb.ca.gov/drinking_water/cert/cdr/drinkingwater/CCR.shtml)

Water System Name:	CARRIERE FAMILY FARMS
Water System Number:	CA1100101

The water system named above hereby certifies that its Consumer Confidence Report was distributed on _____ (date) to customers (and appropriate notices of availability have been given). Further, the system certifies that the information contained in the report is correct and consistent with the compliance monitoring data previously submitted to the State Water Resources Control Board, Division of Drinking Water.

Certified By:	Name:	Brenda Gonzalez	
	Signature:	<i>Brenda Gonzalez</i>	
	Title:	Quality Assurance Manager	
	Phone Number:	(530) 934-8200	Date: 5/27/2024

To summarize report delivery used and good-faith efforts taken, please complete the form below by checking all items that apply and fill-in where appropriate:

☒ CCR was distributed by mail or other direct delivery methods. Specify other direct delivery methods used:

Posted in break room areas and main office buildings.

☐ "Good faith" efforts were used to reach non-bill paying customers. Those efforts included the following methods:

- ☐ Posted the CCR on the internet at <http://> _____
- ☐ Mailed the CCR to postal patrons within the service area (attach zip codes used)
- ☐ Advertised the availability of the CCR in news media (attach a copy of press release)
- ☐ Publication of the CCR in a local newspaper of general circulation (attach a copy of the published notice, including name of the newspaper and date published)
- ☐ Posted the CCR in public places (attach a list of locations)
- ☐ Delivery of multiple copies of CCR to single bill addresses serving several persons, such as apartments, businesses, and schools
- ☐ Delivery to community organizations (attach a list of organizations)
- ☐ Other (attach a list of other methods used)

☐ For systems serving at least 100,000 persons: Posted CCR on a publicly-accessible internet site at the following address: <http://> _____

☐ For investor-owned utilities: Delivered the CCR to the California Public Utilities Commission

(This form is provided as a convenience and may be used to meet the certification requirement of section 64483(c), California Code of Regulations.)

2023 Consumer Confidence Report

Water System Name: CARRIERE FAMILY FARMS

Report Date: April 2024

We test the drinking water quality for many constituents as required by state and federal regulations. This report shows the results of our monitoring for the period of January 1 - December 31, 2023.

Este informe contiene información muy importante sobre su agua potable. Tradúzcalo ó hable con alguien que lo entienda bien.

Type of water source(s) in use: According to SWRCB records, this Source is Groundwater. This Assessment was done using the Default Groundwater System Method.

Your water comes from 1 source(s): WELL 01

Opportunities for public participation in decisions that affect drinking water quality: Regularly-scheduled water board or city/county council meetings currently are not held as the water provided is to employees only. There is an open door policy if any employee has an questions.

For more information about this report, or any questions relating to your drinking water, please call (530)343-5105 and ask for Greg Lowe.

TERMS USED IN THIS REPORT

Maximum Contaminant Level (MCL): The highest level of contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically feasible. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.

Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. Environmental Protection Agency (USEPA).

Public Health Goal (PHG): The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

Maximum Residual Disinfectant Level (MRDL): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Primary Drinking Water Standards (PDWS): MCLs and MRDLs for the contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water.

Regulatory Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

Level 1 Assessment: A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.

Level 2 Assessment: A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an E. coli MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.

mg/L: milligrams per liter or parts per million (ppm)

ug/L: micrograms per liter or parts per billion (ppb)

The sources of drinking water: (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

- *Microbial contaminants*, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- *Inorganic contaminants*, such as salts and metals, that can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- *Pesticides and herbicides*, that may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.
- *Organic chemical contaminants*, including synthetic and volatile organic chemicals, that are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, agricultural application, and septic systems.
- *Radioactive contaminants*, that can be naturally-occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, the USEPA and the State Water Resource Control Board (State Water Board) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. State Water Board regulations also establish limits for contaminants in bottled water that provide the same protection for public health.

Tables 1 and 2 list all of the drinking water contaminants that were detected during the most recent sampling for the constituent. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. The State Water Board allows us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of the data, though representative of the water quality, are more than one year old.

Any violation of MCL, AL or MRDL is highlighted. Additional information regarding the violation is provided later in this report.

Table 1 - SAMPLING RESULTS SHOWING THE DETECTION OF LEAD AND COPPER

Lead and Copper (complete if lead or copper detected in last sample set)	Sample Date	No. of Samples	90th percentile level detected	No. Sites Exceeding AL	AL	PHG	Typical Sources of Contaminant
Copper (mg/L)	(2022)	5	0.22	0	1.3	.3	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

Table 2 - DETECTION OF CONTAMINANTS WITH A PRIMARY DRINKING WATER STANDARD

Chemical or Constituent (and reporting units)	Sample Date	Average Level Detected	Range of Detections	MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Sources of Contaminant
Arsenic (ug/L)	(2023)	2	n/a	10	0.004	Erosion of natural deposits; runoff from orchards, glass and electronics production wastes
Barium (mg/L)	(2023)	0.12	n/a	1	2	Discharge from oil drilling wastes and from metal refineries; erosion of natural deposits
Hexavalent Chromium (ug/L)	(2020)	6	n/a		0.02	Discharge from electroplating factories, leather tanneries, wood preservation, chemical synthesis, refractory production, and textile manufacturing facilities; erosion of natural deposits.
Fluoride (mg/L)	(2020)	0.1	n/a	1	2	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories.
Nitrate as N (mg/L)	(2023)	1.8	n/a	10	10	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits

Toluene (ug/L)	(2022)	30.5	n/a	150	150	Discharge from petroleum and chemical factories; underground gas tank leaks
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Additional General Information on Drinking Water

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the USEPA's Safe Drinking Water Hotline (1-800-426-4791).

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. USEPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

Lead Specific Language for Community Water Systems: If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with the service lines and home plumbing. *Carriere Family Farms* is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/lead>.

2023 Consumer Confidence Report Drinking Water Assessment Information

Assessment Information

A source water assessment was conducted for the WELL 01 of the CARRIERE FAMILY FARMS water system in September, 2015.

WELL 01 - - is considered most vulnerable to the following activities not associated with any detected contaminants:

- Irrigated Crops
- Fertilizer/Pesticide/Herbicide Application
- Transportation Corridors (State Highway)
- Wells (Agriculture/Irrigation)

Discussion of Vulnerability

There have been no contaminants detected in the water supply, however the source is still considered vulnerable to activities located near the drinking water source.

Acquiring Information

A copy of the complete assessment may be viewed at:
State Water Resources Control Board
Division of Drinking Water
364 Knollcrest Dr., Suite 101
Redding, CA 96002

You may request a summary of the assessment be sent to you by contacting:
Daniel L. Cikuth, P.E.
Associate Sanitary Engineer

Phone: (530) 224-3271

Fax: (530) 224-4844

Email: dan.cikuth@waterboards.ca.gov

Carriere Family Farms

Analytical Results By FGL - 2023

LEAD AND COPPER RULE								
		Units	MCLG	CA-MCL	PHG	Sampled	Result	90th Percentile
Copper		mg/L		1.3	.3			0.22
Borges Breakroom #1	CH 2278430-3	mg/L				2022-09-30	ND	
Borges Mens Restroom #1	CH 2278430-4	mg/L				2022-09-30	0.05	
Carrier Mens Restroom #6	CH 2278430-2	mg/L				2022-09-30	0.05	
Carrier Womens Restroom #6	CH 2278430-1	mg/L				2022-09-30	0.09	
Office Kitch Office	CH 2278430-5	mg/L				2022-09-30	0.35	

PRIMARY DRINKING WATER STANDARDS (PDWS)								
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)
Arsenic		ug/L		10	0.004			2
WELL 01	CH 2372465-1	ug/L				2023-04-18	2	
Barium		mg/L	2	1	2			0.12
WELL 01	CH 2072173-1	mg/L				2020-04-06	0.12	
Hexavalent Chromium		ug/L			0.02			6.0
WELL 01	CH 2072173-1	ug/L				2020-04-06	6.0	
Fluoride		mg/L		2	1			0.1
WELL 01	CH 2072173-1	mg/L				2020-04-06	0.1	
Nitrate as N		mg/L		10	10			1.8
WELL 01	CH 2372465-1	mg/L				2023-04-18	1.8	
Toluene		ug/L		150	150			30.5
WELL 01	CH 2273847-1	ug/L				2022-05-31	30.5	

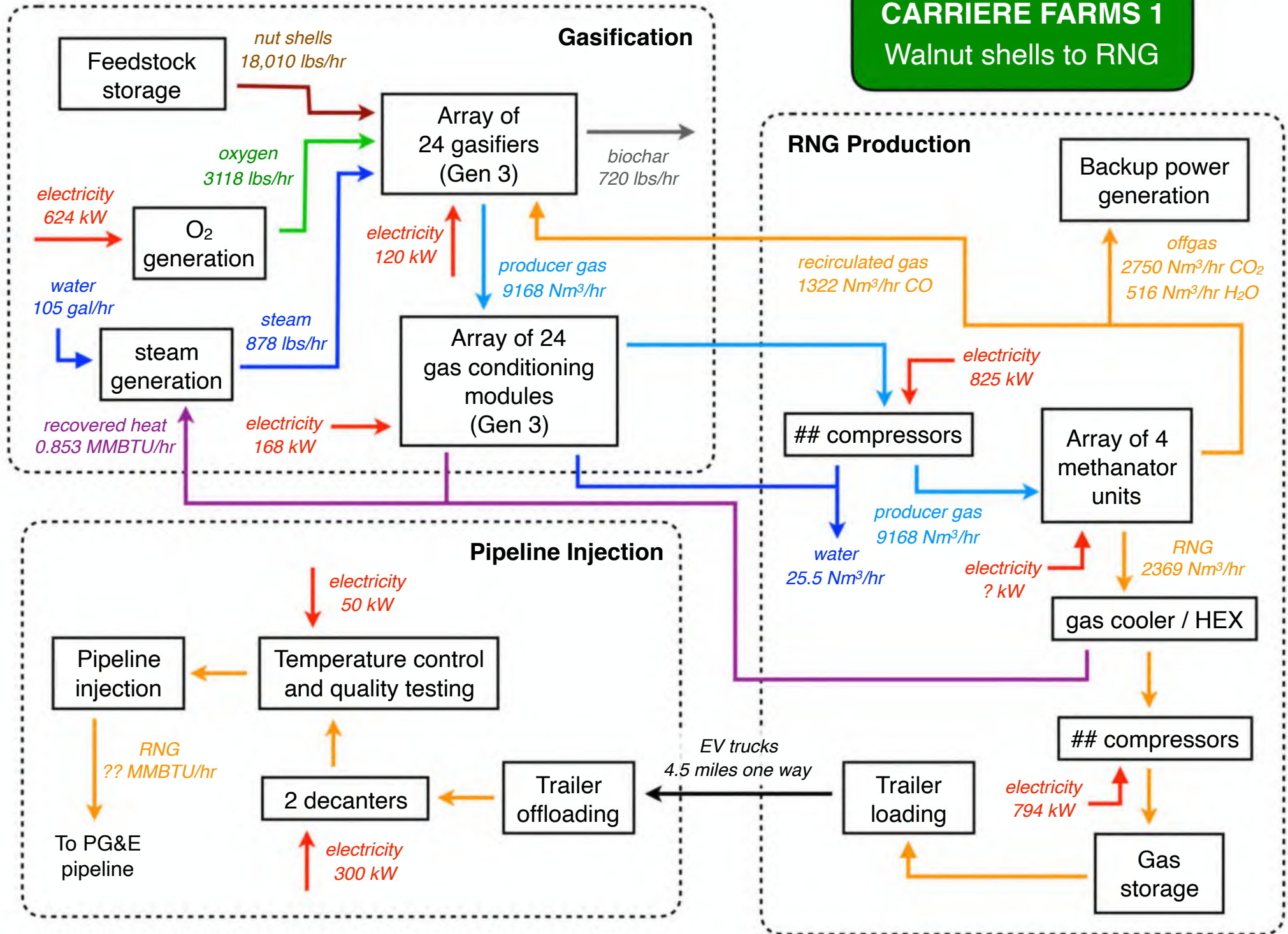
Carriere Family Farms

CCR Login Linkage - 2023

FGL Code	Lab ID	Date Sampled	Method	Description	Property
CA1100101_DST_L	CH 2278430-3	2022-09-30	Metals, Total	Borges Breakroom #1	Lead & Copper Monitoring
	CH 2278430-4	2022-09-30	Metals, Total	Borges Mens Restroom #1	Lead & Copper Monitoring
Bacti-Rout-ss03	CH 2371401-1	2023-03-02	Coliform	Borges Plant-HB W.Side of Bldg	Routine Bacteriological -3
	CH 2373848-1	2023-06-08	Coliform	Borges Plant-HB W.Side of Bldg	Routine Bacteriological -3
	CH 2377618-1	2023-09-07	Coliform	Borges Plant-HB W.Side of Bldg	Routine Bacteriological -3
	CH 2390335-1	2023-12-07	Coliform	Borges Plant-HB W.Side of Bldg	Routine Bacteriological -3
CA1100101_DST_L	CH 2278430-2	2022-09-30	Metals, Total	Carrier Mens Restroom #6	Lead & Copper Monitoring
	CH 2278430-1	2022-09-30	Metals, Total	Carrier Womens Restroom #6	CARRIERE FAMILY FARMS
Bacti-Rout-ss02	CH 2370925-1	2023-02-14	Coliform	Carriere Office-HBPatio/W.Side	Routine Bacteriological -2
	CH 2373183-1	2023-05-10	Coliform	Carriere Office-HBPatio/W.Side	Routine Bacteriological -2
	CH 2376448-1	2023-08-09	Coliform	Carriere Office-HBPatio/W.Side	Routine Bacteriological -2
	CH 2379662-1	2023-11-09	Coliform	Carriere Office-HBPatio/W.Side	Routine Bacteriological -2
Bacti-Rout-ss01	CH 2370158-1	2023-01-05	Coliform	Carriere Plant-HB SE Corner	Routine Bacteriological -1
	CH 2372464-1	2023-04-18	Coliform	Carriere Plant-HB SE Corner	Routine Bacteriological -1
	CH 2375222-1	2023-07-12	Coliform	Carriere Plant-HB SE Corner	Routine Bacteriological -1
	CH 2378655-1	2023-10-11	Coliform	Carriere Plant-HB SE Corner	Routine Bacteriological -1
CA1100101_DST_L	CH 2278430-5	2022-09-30	Metals, Total	Office Kitch Office	Lead & Copper Monitoring
WELL 01	CH 2072173-1	2020-04-06	Wet Chemistry	WELL 01	Water Quality Monitoring
	CH 2072173-1	2020-04-06	Metals, Total	WELL 01	Water Quality Monitoring
	CH 2273847-1	2022-05-31	EPA 524.2	WELL 01	Water Quality - VOCs
	CH 2372465-1	2023-04-18	Wet Chemistry	WELL 01	Water Quality Monitoring
	CH 2372465-1	2023-04-18	Metals, Total	WELL 01	Water Quality Monitoring

CARRIERE FARMS 1

Walnut shells to RNG



CARRIERE FARMS 1

Walnut shells to RNG

