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Site Boundary Expansion Project Modification

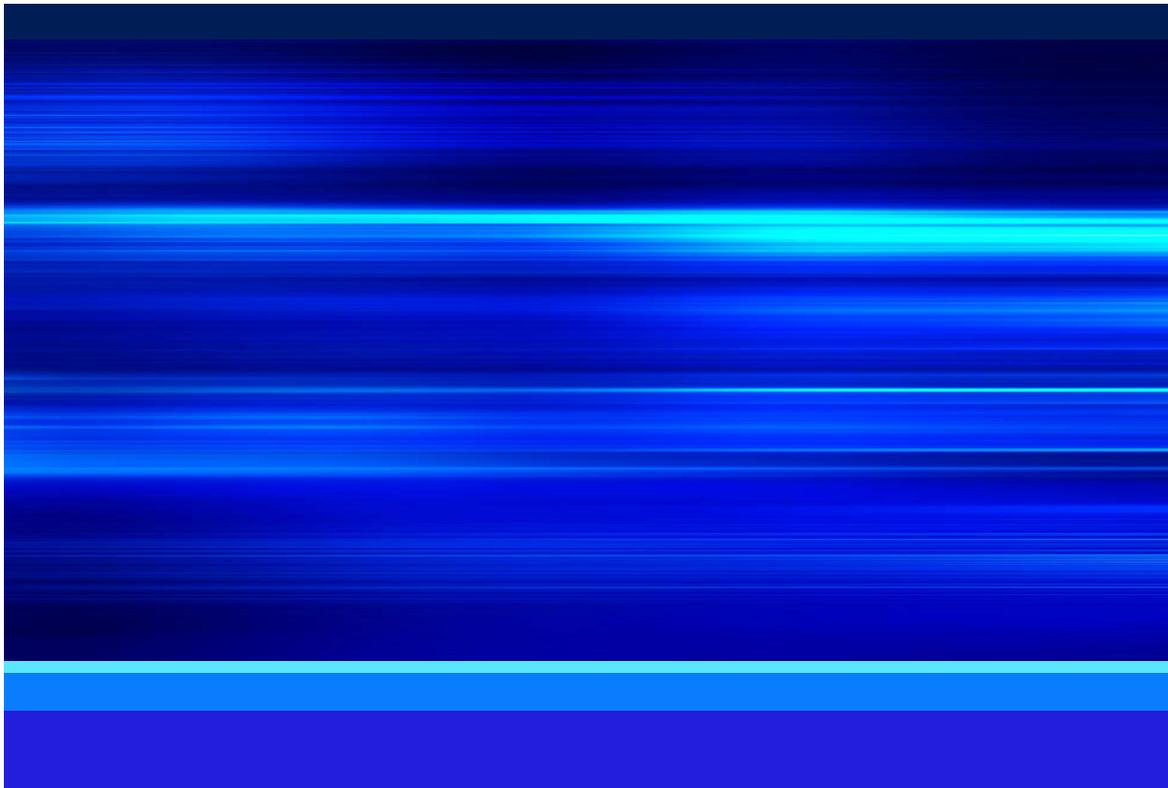
Humboldt Bay Generating Station
(06-AFC-07C)

Submitted to:
California Energy Commission

Submitted by:



March 17, 2023



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Acronyms and Abbreviations

AFC	Application for Certification
CCC	California Coastal Commission
CEC	California Energy Commission
CEQA	California Environmental Quality Act
DTSC	California Department of Toxic Substances Control
HBGS	Humboldt Bay Generating Station
HBPP	Humboldt Bay Power Plant
ISFSI	Independent Spent Fuel Storage Installation
kV	kilovolt
LORS	Laws, Ordinances, Regulations, and Standards
NPDES	National Pollution Discharge Elimination System
NRC	Nuclear Regulatory Commission
PG&E	Pacific Gas and Electric Company
PTA	Petition to Amend
SWPPP	Stormwater Pollution Prevention Plan

1. Project Overview

1.1 Background

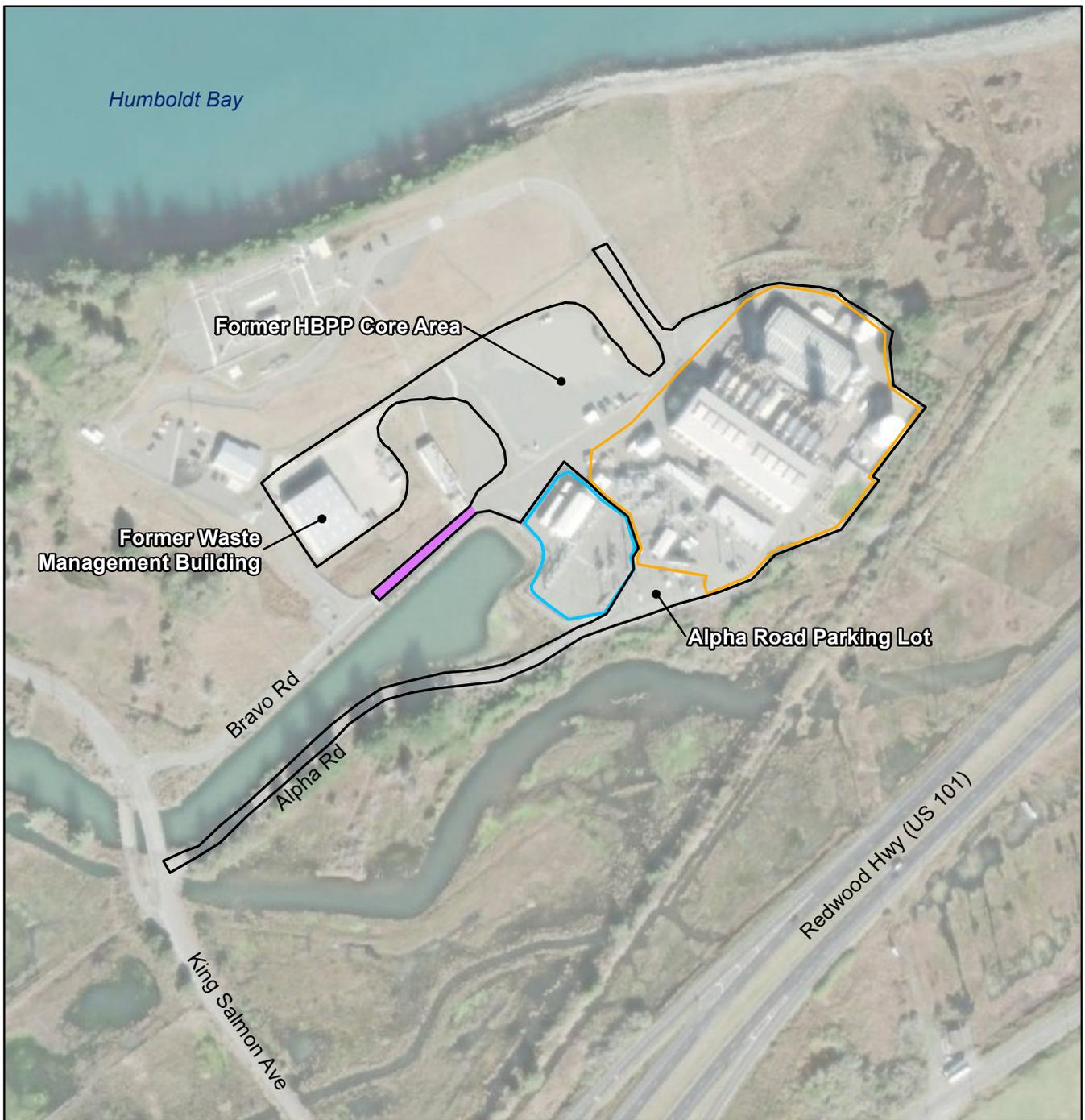
On September 24, 2008, the California Energy Commission (CEC) granted a license to Pacific Gas & Electric Company (PG&E) to construct and operate the Humboldt Bay Generating Station (HBGS). Construction began in September 2008, and the HBGS commenced commercial operation in October 2010. The commercial operation of the HBGS enabled PG&E to shut down the Humboldt Bay Power Plant (HBPP), located adjacent to the HBGS on the same 143-acre property. The HBPP consisted of two steam generating units (Units 1 and 2) and a boiling water nuclear reactor (Unit 3). The two steam generating units began operation in 1956 and 1958 and were shut down in 2010. The nuclear unit operated between 1963 and 1976. It was put into SAFESTOR in 1985. In 2005, an Independent Spent Fuel Storage Installation (ISFSI) was permitted on the HBPP site to store the Unit 3 spent fuel until a federal repository is available. Construction of the ISFSI was completed in 2007, and the fuel was transferred to the ISFSI in 2008.

The start of HBGS operations and transfer of the nuclear fuel storage to the ISFSI marked a new beginning at the HBPP plant site. PG&E could commence with the termination of the Unit 3 Nuclear Regulatory Commission license through the decommissioning and the eventual remediation and restoration of the HBPP site. Once the HBGS began commercial operation, decommissioning of Units 1, 2, and 3 began. Units 1 and 2 were removed in 2010 and Unit 3 was removed in 2017. Site remediation and restoration is now complete, except for ongoing monitoring that is required to meet habitat restoration success criteria.

Space was limited when the HBGS site was permitted due to the presence of HBPP and surrounding wetlands. The decommissioning and restoration of the HBPP provides HBGS with an opportunity to modify its site boundary to take advantage of the additional space that has become available as a result of the decommissioning of the HBPP and the restoration of the plant site. The additional space provided by the modified boundary will improve HBGS functionality and efficiency.

Reuse of portions of the HBPP site was envisioned in Coastal Development Permit (CDP) 9-15-0531, which was approved by the California Coastal Commission on April 15, 2016 for implementation of a final site restoration plan following decommissioning of Units 1, 2, and 3 at the HBPP.

The purpose of this Petition to Amend (PTA) is to modify the HBGS CEC-jurisdictional site boundary now that the HBPP decommissioning, and site remediation and restoration are complete. The proposed modified boundary, shown in Figure 1, will provide HBGS space for maintenance laydown, storage, and parking. The boundary expansion will also enable HBGS to use HBPP infrastructure that was developed for decommissioning. As shown in Figure 1, primary plant access will be from Alpha Road. Bravo Road, which is currently the primary access road, will be a secondary and emergency access road and will include a secured electronic gate that is shared with ISFSI personnel. ISFSI personnel will use the gate and a portion of Bravo Road to access their training facilities (formerly Building 6) as well as existing ISFSI administrative facilities to the north of HBGS. All ISFSI facilities, including the training facilities, are located outside of the modified HBGS site boundary, with the exception of the approximately 250 feet of Bravo Road which will be shared by both HBGS and ISFSI. All habitat/wetland restoration areas associated with HBPP restoration requirements are outside of the proposed HBGS modified boundary.



Legend

- PG&E Switchyard
- HBGS Existing Boundary
- Proposed Modified Boundary
- Shared Bravo Road

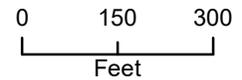


Figure 1
Project Boundaries
 PG&E Humboldt Bay Generating Station
 Humboldt County, California

Basemap Source: Esri World Imagery

\\dc1vs01\gisproj\PI\PG&E\HumboldtBay\MapFiles_working\Boundaries_Overview_221205_v2.mxd

1.2 Description of Proposed Project Modification

The 5.4-acre HBGS site is currently spatially constrained. The power plant was constructed within a disturbed portion of the HBPP site. Wetland avoidance was a primary goal in developing the HBGS site layout. A larger site would have required eliminating wetland habitat, specifically in the Buhne Slough salt marsh, which is located adjacent to the HBGS plant site. Decommissioning of the HBPP and site restoration have now made available space for use by HBGS. The proposed modification includes expansion of the existing HBGS CEC-jurisdictional site boundary to include these areas and increase the project boundary from 5.4 acres to approximately 10 acres. The expansion of this boundary will incorporate the following facilities that were formerly used during HBPP operations and decommissioning:

1. Former Waste Management Building, for use as a warehouse for storage.
2. "HBPP Core Area" (former locations of Generating Units 1-3) for parking, open storage and maintenance laydown.
3. Parking lot adjacent to the HBGS security gate on Alpha Road for parking.
4. Designation of Alpha Road as the primary access road. Designation of Bravo Road, which is currently the primary access road, as the secondary and emergency access road.

As part of the HBPP decommissioning process and as required by the CDPs for that, the former HBPP Waste Management Building, located in the northwest of the site, was converted into a warehouse/associated offices. The boundary modifications proposed will now include this building in the HBGS boundary for use as a warehouse. The Waste Management Building was used during decommissioning and restoration for sorting, sampling, monitoring, loading, weighing, and other processing of waste materials prior to shipping them to an appropriate disposal site. The use of the existing Waste Management Building as a warehouse will allow for more efficient movement of parts and materials to and from the HBGS plant buildings. An onsite warehouse will also reduce traffic from HBGS staff traveling to and from the offsite warehouse. The building currently includes a fire suppression system and restroom facilities. In addition, potable water, firewater and sanitary sewer pipelines servicing this building have all been constructed and are in use. Modifications to the building were all completed during HBPP remediation and restoration activities

In addition to the Waste Management Building, HBGS proposes to utilize the area previously occupied by HBPP Core Area for laydown, storage, and additional parking. The area was previously graveled as part of HBPP site restoration. In addition, a road has already been constructed within the area to enable vehicles to travel to the proposed HBGS warehouse (former Waste Management Building). The existing HBPP main access road (Bravo Road), which was originally to have been the main HBGS access road, provides secondary access. As part of site restoration, Alpha Road was paved and upgraded in some areas to enable it to accommodate heavy loads. Further, Alpha Road was widened at the entrance at King Salmon Avenue. Alpha Road is necessary as a permanent entrance road due to heavy haul access considerations. From Highway 101, the road interconnects with King Salmon Avenue before the King Salmon Avenue Bridge over Buhne Slough. This bridge is not rated to accept heavy loads (the existing HBPP access road, referred to as Bravo Road, turns off of King Salmon Avenue after crossing this bridge). Heavy haul access is needed to remove the ISFSI casks when a high-level waste repository is available. The road will also be used if the HBGS reciprocating engines require replacement, and for the transport of backup transformers for the HBGS switchyard and 60-kilovolt (kV) substation in the event of transformer failures. Additionally, where Alpha Road enters the HBGS, an existing graveled parking area will be included within the proposed boundary and used as a secondary access road.

1.3 Necessity of Proposed Modification

Sections 1769 (a)(1)(B) and (C) of the CEC Siting Regulations require a discussion of the necessity for the proposed modification to the HBGS project and whether the modification is based on information known by the petitioner during the certification proceeding. The 5.4-acre HBGS site is spatially constrained and

expanding the site to approximately 10 acres will provide HBGS with additional needed space for maintenance laydown, equipment storage, and parking. It also enables HBGS to use existing infrastructure (the Waste Management Building) used during HBPP decommissioning activities. The use of Alpha Road for primary access enables Bravo Road to be used by HBGS for secondary and emergency access, as well as enhances plant safety. The modifications included in this petition were not envisioned during the certification proceeding. The focus at that time was on developing and constructing the HBGS to enable the 50-year-old HBPP to be shut down and decommissioned. Specific plans for HBPP decommissioning and site restoration had not yet been developed.

1.4 Summary of Environmental Impacts

Section 1769 (a)(1)(E) of the CEC Siting Regulations requires that an analysis be conducted to address impacts that the proposed modification may have on the environment and proposed measures to mitigate any significant adverse impacts. Section 1769 (a)(1)(F) requires a discussion on whether the proposed modification affects the facility's ability to comply with applicable Laws, Ordinances, Regulations, and Standards (LORS). The expansion of the HBGS boundary will include incorporation of the Waste Management Building within the project boundary, use of Alpha Road for primary access, and additional areas for parking. The expansion of the boundary will not result in any environmental impacts and is consistent with LORS. Section 3 provides an environmental analysis of the proposed modification and information regarding its consistency with LORS.

1.5 Consistency of Modifications with License

Section 1769 (a)(1)(D) of the CEC Siting Regulations requires a discussion of the consistency of the proposed project modification with the assumptions, rationale, findings, or other bases of the Final Decision and whether the modification is based on new information that changes or undermines the bases of the Final Decision. Also required is an explanation of why the modification should be permitted.

The proposed modification does not undermine the assumptions, rationale, findings, or other basis of the Final Decision for the project. In addition, the proposed modification should be permitted because it will provide the HBGS additional space in which to function more efficiently. It will also enable the HBGS to have a secondary, emergency access route (Bravo Road) to and from the plant.

2. Description of Project Modification

Consistent with the CEC Siting Regulations Section 1769(a)(1)(A), this section includes a description of the requested project modification, as well as the necessity for it.

2.1 Background

PG&E operated the HBPP between 1956 and 2010 on a 143-acre property in Humboldt County, California (see Figure 1). The HBPP provided—and now the HBGS provides—a large portion of the electrical power used in Humboldt County, an electrical service area that can be referred to as the Humboldt load pocket. The Humboldt load pocket consists largely of the greater Humboldt County area. In terms of electrical demand, it can function as an island at the northwestern extremity of PG&E's electrical system. Imports to and exports from the load pocket are constrained because of the existing structure of the transmission system. Winter storms regularly upset the transmission infrastructure and considering the remoteness of much of the transmission system, it is imperative that reliable generation with rapid response capability be located within the load pocket. The seasonal operation of other power providers also makes HBGS essential. For these reasons, regional electricity demand is largely served by the HBGS.

PG&E decommissioned the HBPP and completed termination of its Nuclear Regulatory Commission (NRC) license to own and operate the Unit 3 nuclear reactor. As part of the decommissioning effort, PG&E restored and remediated areas of the HBPP site where Units 1, 2, and 3 and associated buildings, storage facilities, and appurtenant structures once stood within the proposed modified boundary. As specified by CDP 9-15-0531, decommissioned areas have been restored to pre-decommissioning project conditions and repurposed to support the HBGS and future power generation-related activities on the property. Areas already committed for other operational needs, such as the ISFSI and associated infrastructure, are all outside the proposed modified boundary and are not included as part of the project modification request. Habitat restoration is now complete, except for ongoing monitoring that is required to meet habitat restoration success criteria. All restoration areas are located outside of the proposed modified HBGS CEC jurisdictional site boundary. In addition, all necessary security fencing and security gates have been installed as appropriate during decommissioning activities. If required for security purposes, fencing may include a two-to-three-foot clearance on either side.

The purpose of this Petition is to amend the HBGS license to expand the site boundary now that the HBPP decommissioning, and restoration activities have been completed. The boundary expansion will provide HBGS additional space for warehouse storage, and parking. PG&E also proposes to utilize Alpha Road, as the permanent main access road to the HBGS plant. The existing HBPP main access road (Bravo Road) will provide secondary and emergency access.

2.1.1 Modifications Under California Energy Commission Jurisdiction

The proposed modification includes the expansion of the existing HBGS site boundary which will then incorporate in the former Waste Management Building, HBPP Core Area, Alpha Road and a small portion of Bravo Road. Preexisting facilities and proposed uses for facilities included within this modified boundary include:

1. Use of the former Waste Management Building as a warehouse for storage.
2. Use of the "HBPP Core Area" for parking, open storage and maintenance laydown.
3. Use of a second existing parking area on Alpha Road.
4. Designation of Alpha Road as the primary access road. Designation of Bravo Road, which is currently the primary access road, as the secondary and emergency access road.

2.1.2 Description of Project Modifications Under this Petition

Each of the proposed modifications is described in more detail below.

2.1.2.1 Expansion of the HBGS Site Boundary

The proposed modification to expand the HBGS site boundary will increase the size of the 5.4-acre HBGS site by approximately 4.6 acres, for a total of approximately 10 acres. The area within the boundary expansion will enable HBGS to operate more efficiently by providing adequate warehouse space, an area for maintenance/outage laydown, parking, and storage, as well as primary and secondary access routes. Figure 1 depicts the existing project features which will be included within the modified boundary. Each of these features and uses are discussed below.

2.1.2.1.1 Former Waste Management Building

Initially a workshop with warehouse space was included as part of the licensed HBGS. However due to space constraints, it was not built as the location prevented the transport of the ISFSI casks both into and eventually out of the PG&E property. To address the need for warehouse space, HBGS has been renting warehouse space off-site in Arcata. During decommissioning, PG&E worked with the California Coastal Commission to remodel and update the former Waste Management Facility for use as a warehouse during decommissioning and restoration activities. As the decommissioning and restoration of the HBPP is complete, the space is now available and would provide HBGS with the ability to utilize the warehouse for more efficient and safe operation.

2.1.2.1.2 Use of the HBPP Core Area

The area formerly occupied by HBPP Units 1, 2, and 3 (referred to as the HBPP Core Area) will be used by HBGS for parking, open storage and maintenance laydown. When engine maintenance or outage activities are conducted at a power plant, there is limited open space available to perform the work. Due to this limited space at HBGS, engine components are currently stacked inside the engine hall causing congestion and adding to the difficulty of performing maintenance. This increases the plant/equipment downtime durations, resulting in increased maintenance costs. PG&E proposes to use the modified boundary with the added HBPP Core Area use as parking, open storage and maintenance laydown. This area will also be available for equipment storage and potential future expansion. The HBPP Core Area is covered in aggregate, except for a paved roadway that has been added to provide access to the Warehouse.

2.1.2.1.3 Alpha Road Parking Area

In a compliance filing pursuant to Condition of Certification TRANS-3, PG&E stated that HBGS operations personnel would park in the Assembly Building parking lot adjacent to Bravo Road. As part of this Petition, the expansion of the boundary will include an existing parking area adjacent to Alpha Road and the security gate for HBGS (see Figure 1). This parking area will enable HBGS personnel and contractors to park closer to the power plant.

2.1.2.1.4 Alpha Road for Primary Access and Bravo Road for Secondary Access

Alpha Road was originally constructed as a temporary access road for HBGS construction. It was then used by HBPP for decommissioning. The road was to be removed and the alignment restored once HBPP decommissioning was complete. However, as part of the HBPP restoration project, Alpha Road was made permanent to accommodate heavy haul loads such as the removal of the ISFSI casks once a federal repository for high-level nuclear fuels is available. The road will also be used for heavy loads associated with maintenance of HBGS and the PG&E 60-kV substation, as necessary, to transport replacement reciprocating engines or transformers. Alpha Road is necessary as a permanent heavy haul road because when traveling from Hwy. 101, the intersection of Alpha Road and King Salmon Avenue comes before the bridge over Buhne Slough. This bridge is not rated to accept heavy loads. The intersection of Bravo Road and King Salmon Avenue comes after the bridge; making Bravo Road an unacceptable route for heavy haul loads.

PG&E proposes to change Alpha Road to the primary access road to the plant. As licensed, HBGS was to use Bravo Road (the main HBPP access road) as its primary access road. There was no secondary HBGS

access. With Alpha Road as the primary access road to HBGS, Bravo Road provides secondary, emergency access. Having two plant access routes is an important safety measure as it ensures HBGS plant access to fire personal and emergency vehicles should one of the access roads be blocked.

An approximately 250-foot portion of Bravo Road will be shared by ISFSI and HBGS staff. The road includes a shared gate which will allow ISFSI personnel to use Bravo gate to access their indoor shooting range (formerly Building 6). Existing vehicle gates with security access systems will continue to control access to HBGS. All pedestrian and vehicle gates have been previously installed during the HBPP site decommissioning and restoration activities.

2.2 Necessity of Proposed Modification

Sections 1769 (a)(1)(B) and 1769(a)(1)(C) of the CEC Siting Regulations require a discussion of the necessity for the proposed modification and whether the modification is based on information that was known by the petitioner during the certification proceeding.

Plans for modifying the boundary of HBGS were not envisioned during the certification proceeding. The focus at that time was on developing and constructing the HBGS to enable the 50-year-old HBPP to be shut down. Specific plans for HBPP decommissioning and site restoration had not yet been developed.

The 5.4-acre-HBGS site is spatially constrained. The amount of developable area available at the time the plant was licensed was limited due to the existing HBPP and surrounding wetlands. HBPP decommissioning and restoration provides HBGS with the opportunity to expand its boundary and conduct ongoing operational activities such as equipment storage and overhauls and maintenance within the new plant boundary. This will enable the HBGS to function more efficiently. It also enables HBGS to take advantage of existing infrastructure (the Waste Management Building) previously utilized by HBPP during decommissioning activities. The use of Alpha Road for primary access will enable Bravo Road to be used by HBGS for secondary and emergency access, enhancing plant safety.

3. Environmental Analysis of the Project Modification

PG&E has reviewed the proposed modification to determine whether it will result in environmental impacts that were not originally analyzed by the CEC when it approved the project in September 2008. As a result of the proposed modification, there would be no new development, no new activities and no increase in existing activities.

The proposed modification will not alter the operational impacts that were used as the basis to license the project during the original proceeding. Therefore, operational impacts are expected to be equal to those analyzed in the Final Decision and are not addressed in this petition. Similarly, the analysis for the environmental disciplines does not significantly differ from that described in the Application for Certification (AFC). Hence, the impacts associated with this PTA would be less than significant for the following disciplines and no further analysis is required.

- Air Quality
- Geological Hazards and Resources
- Land Use
- Noise
- Paleontological Resources
- Public Health
- Socioeconomics/Environmental Justice
- Soils
- Traffic and Transportation
- Visual Resources
- Waste Management
- Worker Safety/Fire Protection

For completeness, a review of the impacts and LORS compliance is provided for four applicable technical disciplines, Biological Resources, Cultural Resources, Water Resources and Hazardous Materials. Impacts for these four technical disciplines associated with the PTA would also be less than significant.

3.1 Biological Resources

3.1.1 Introduction

The environmental impacts assessment presented herein concludes that there will be no significant environmental impacts associated with biological resources, with the implementation of the actions specified in this Petition to Amend, and that the project will comply with all applicable laws, ordinances, regulations, and standards.

3.1.2 Environmental Baseline Information

The area within the proposed boundary expansion is currently developed. There are no biological resources (native plants, wildlife and wetlands) within the proposed boundary expansion.

3.1.3 Environmental Consequences

The proposed modification will not result in any physical changes or disturbance. The area where the proposed modification will occur is already developed and no new developments such as fencing, or security gates are proposed as these were previously constructed during decommissioning activities. Hence, there will be no onsite impacts to wildlife, plants or wetlands. Additionally, there will not be new activities, noise or vibration beyond what currently occurs at the HBGS. Therefore, there will be no offsite impacts to wildlife, plants or wetlands.

3.2 Cultural Resources

3.2.1 Introduction

The environmental impacts assessment presented herein concludes that there will be no significant environmental impacts associated with cultural resources, with the implementation of the actions specified in this **Petition** to Amend, and that the project will comply with all applicable laws, ordinances, regulations, and standards.

3.2.2 Environmental Baseline Information

Cultural and tribal resources occur in the general site area and subsurface at the site. No cultural or tribal resources occur above ground as the site is developed and has been used for industrial purposes since the late 1950s.

3.2.3 Environmental Consequences

The proposed modification will not result in any physical changes or ground disturbance. No additional fencing or security gates are proposed as these were all previously constructed during decommissioning activities. Hence, there will be no disturbance and no impact to buried cultural or tribal resources. The area where the proposed modification will occur is already developed and there will be no ground disturbance associated with the proposed modification. Portions of the revised boundary area may have increased cultural sensitivity and if there is future ground disturbance then HBGS will follow the requirements of the CEC license and engage a cultural resources expert for guidance.

3.3 Hazardous Materials

3.3.1 Introduction

The environmental impacts assessment presented herein concludes that there will be no significant environmental impacts associated with hazardous material handling, with the implementation of the actions specified in this PTA, and that the project will comply with all applicable laws, ordinances, regulations, and standards.

3.3.2 Environmental Baseline

A soil management plan was developed for the site (Jacobs 2021), which was approved by the California Department of Toxic Substances Control (DTSC) in a letter dated Dec. 3, 2021 (DTSC 2021b). Chemical constituents, including benzo(a)pyrene, total petroleum hydrocarbons, thalium and chromium VI remain in the soils and trichloroethylene and metals (barium, cobalt, iron, manganese and mercury) remain in groundwater above levels acceptable for unrestricted use. Hence, there is a covenant for the property between PG&E and DTSC that restricts land uses and activities for the site (DTSC 2021a). Hazardous materials and waste are stored at the site consistent with the existing Hazardous Material Business Plan and Spill Prevention Control and Countermeasure Plans.

3.3.3 Environmental Consequences

The proposed modification will not result in any physical changes or disturbance. Hence, there will be no impact related to hazardous materials handling. There will not be an increase in the type or amount of hazardous materials or waste stored onsite beyond what is currently stored within the site. With this change, the existing Hazardous Material Business Plan and Spill Prevention Control and Countermeasure Plans will be updated to reflect the revised boundary and storage areas as required by CEC license conditions.

Additionally, there is a covenant on the property limiting land uses and activities due to existing site contamination. The proposed modification will not result in any land use or activities that are restricted by the covenant and will not change existing land use or activities. No modifications to the project's Conditions of Certification are anticipated for the boundary modification.

3.4 Hydrology and Water Quality

3.4.1 Introduction

The environmental impacts assessment presented herein concludes that there will be no significant environmental impacts associated with hydrology and water quality, with the implementation of the actions specified in this Petition to Amend, and that the project will comply with all applicable laws, ordinances, regulations, and standards.

3.4.2 Environmental Baseline

Chemical constituents, including benzo(a)pyrene, total petroleum hydrocarbons, thalium and chromium VI remain in the soils and trichloroethylene and metals (barium, cobalt, iron, manganese and mercury) remain in groundwater above levels acceptable for unrestricted use. Hence, there is a covenant for the property between PG&E and DTSC that restricts land uses and activities for the site (DTSC 2021a). Stormwater is managed per requirements of a National Pollution Discharge Elimination System (NPDES) Permit for Discharges of Stormwater Associated with Industrial Activity.

3.4.3 Environmental Consequences

The proposed modification will not result in any physical changes or disturbance. Hence, there will be no impact to hydrology water quality. No current or proposed land uses, or activities are restricted by the covenant that restricts land uses and activities. HBGS will assume responsibility for management of the stormwater system and will modify the existing Stormwater Pollution Prevention Plan (SWPPP) to include the area within the modified HBGS site boundary. In addition, once the boundary change goes into effect, a Change of Information form for the HBGS General NPDES Permit for Discharges of Stormwater Associated with Industrial Activity will be filed. Stormwater within the proposed site boundary was previously managed by the HBPP decommissioning team and will now be managed by HBGS.

4. Potential Effects on Property Owners, the Public, and Parties in the Proceeding

This section addresses potential effects of the project change proposed in this PTA on nearby property owners, the public, and parties in the application proceeding, in accordance with CEC Siting Regulations (Title 20, CCR, Section 1769(a)(1)(H)).

As set forth in Section 3, the proposed modification will not result in any potentially significant impacts and the project will remain in compliance with all applicable LORS. The project, as modified, will not differ significantly in potential effects on adjacent landowners, compared with the project as certified. Operation of HBGS with the altered site boundary will have no adverse effect on nearby property owners, the public, or other parties in the application proceeding. The project, therefore, would have no adverse effects on nearby property owners, the public, or other parties in the application proceeding.

5. List of Property Owners

CEC Siting Regulations Section 1769(a)(1)(H) requires that a list of property owners potentially affected by the modification be provided. Although the proposed modification will have no impact on nearby property owners, included in Appendix A are the names and addresses of the property owners within 1,000 feet of the HBGS site.

6. Potentially Applicable CEQA Exemptions

This section includes a discussion of any exemptions from California Environmental Quality Act (CEQA), commencing with Section 21000 of the Public Resources Code, that the Project Owner believes may apply to approval of the proposed change. Given the operational changes proposed, the CEQA exemption for Air Quality Permits (Title 14, CCR, Section 15281) would not apply in this case, and no other exemptions appear to be applicable.

7. References

California Energy Commission. 2008. Final Staff Assessment, Humboldt Bay Repowering Project. May 15.

Department of Toxic Substances Control. 2021a. Land Use Covenant and Agreement: Environmental Restrictions. Humboldt Bay Power Plant Site. LD#1404-01-10062. Department of Toxic Substances Control. 700 Heinz Ave. Berkeley, CA 94710.

Department of Toxic Substances Control. 2021b. Letter from Mr. Ken Simas (DTSC) to Pacific Gas and Electric Company. Dated December 3, 2021. Department of Toxic Substances Control. 700 Heinz Ave. Berkeley, CA 94710.

Jacobs. 2021. Soil Management Plan for the Humboldt Bay Power Plant, Eureka, California. Prepared for Pacific Gas and Electric Company.

Appendix A
Property Owners within 1,000 feet of
the HBGS Site



APN	NAME	ADDRESS	CITY	STATE	ZIP
305-131-035	PACIFIC GAS & ELECTRIC	2555 MYRTLE AVE	EUREKA	CA	95501
305-073-003	BRIAN & ANGELA PAPSTEIN	1410 BUHNE ST	EUREKA	CA	95501
305-073-004	BRIAN & ANGELA PAPSTEIN	1410 BUHNE ST	EUREKA	CA	95501
305-073-005	DEBORAH M WHITEHORN	1251 KING SALMON AVE	EUREKA	CA	95503
305-073-006	VICTOR M & JENNIFER A MALDONADO	2831 S CAROLINA ST	SAN PEDRO	CA	90731
305-073-007	TERRY & JANIE FORD	5230 PILOT VIEW DR	PILOT HILL	CA	95664
305-073-008	KATHERINE E EDWARDS	85 HERRING ST	EUREKA	CA	95503
305-073-009	KATHERINE E EDWARDS	85 HERRING ST	EUREKA	CA	95503
305-073-010	GERALD W TDP MCGEE	1215 KING SALMON AVE	EUREKA	CA	95503
305-073-011	GWEN GARRISON	1213 KING SALMON AVE	EUREKA	CA	95503
305-073-012	ROBERT L & KATHRYN J FIGAS	115 REDMOND RD	EUREKA	CA	95501
305-073-013	JOHN A MCNIEL	1201 KING SALMON AVE	EUREKA	CA	95503
305-073-014	BOWMAN WILLIAM D & MORSCHAUSER MARGARET	1179 KING SALMON AVE	EUREKA	CA	95501
305-073-015	BOWMAN WILLIAM D & MORSCHAUSER MARGARET	1179 KING SALMON AVE	EUREKA	CA	95501
305-073-016	BRUCE L MCCAMPBELL	PO BOX 2655	WEAVERVILLE	CA	96093
305-073-017	ANTHONY J CASTILLO	PO BX 225	EUREKA	CA	95502
305-073-018	GREG & ELIZABETH STEPHENS	PO BOX 724	EUREKA	CA	95502
305-073-019	GREG & ELIZABETH STEPHENS	PO BOX 724	EUREKA	CA	95502
305-073-020	GREG & ELIZABETH STEPHENS	PO BOX 724	EUREKA	CA	95502
305-073-023	PETRUSHA ENTERPRISES INC & FRAZIER ROBERT J & DEBR	1336 FOURTH ST	EUREKA	CA	95501
305-073-025	JOHNNY A JOHNSON	8 SOLE ST	EUREKA	CA	95503
305-073-026	JOHNNY A JOHNSON	8 SOLE ST	EUREKA	CA	95503
305-073-027	KOELZER JACQUELINE & FELANDO SUZAN M MCCPRS	2311 SILVER OAK CIR	PALM SPRINGS	CA	92264
305-073-028	COUSINS-KLUSMANN NICOLE TR & COUSINS PATRICK R UMT	4747 SANTA ROSITA CT	SANTA ROSA	CA	95405
305-073-029	COUSINS-KLUSMANN NICOLE TR & COUSINS PATRICK R UMT	4747 SANTA ROSITA CT	SANTA ROSA	CA	95405
305-073-030	DEAN & MAGGIE SCOTT-SMITH	54 SOLE ST	EUREKA	CA	95503
305-073-031	JULIE A OWENS	62 SOLE ST	EUREKA	CA	95503
305-073-032	CHRISTOPHER P & LEA M CAHILL	98 SOLE ST	EUREKA	CA	95503
305-073-033	SOLE STREET 106 LLC CO	907 EMERALD BAY	LAGUNA BEACH	CA	92651
305-073-034	ROBERT LONGSTRETH	118 SOLE ST	EUREKA	CA	95503
305-073-036	TRAVIS BARTER	PO BOX 524	WILLOW CREEK	CA	95573
305-073-037	VOSS ALEXANDER SMJT & CHAMBERS EMILY	27149 BAREFOOT LN	BONITA SPRINGS	FL	34135
305-073-038	VOSS ALEXANDER SMJT & CHAMBERS EMILY	27149 BAREFOOT LN	BONITA SPRINGS	FL	34135
305-073-039	VOSS ALEXANDER SMJT & CHAMBERS EMILY	27149 BAREFOOT LN	BONITA SPRINGS	FL	34135
305-073-042	MADISON S SW & BOGUE ANEA DIDOMENICANTONIO	1346 DIAMOND DR	ARCATA	CA	95521
305-073-043	DENNIS A & KATHLEEN LEONARDI	1901 CHRISTENSEN LN	FERNDALE	CA	95536
305-073-044	DENNIS A & KATHLEEN LEONARDI	1901 CHRISTENSEN LN	FERNDALE	CA	95536
305-073-045	DENNIS A & KATHLEEN LEONARDI	1901 CHRISTENSEN LN	FERNDALE	CA	95536
305-073-046	DENNIS A & KATHLEEN LEONARDI	1901 CHRISTENSEN LN	FERNDALE	CA	95536
305-073-047	CHRISTOPHER L & ANNETTE R CODY	7122 SEA VIEW DR	EUREKA	CA	95503
305-073-048	MARYBETH & MARYBETH VOLK	PO BOX 915	FERNDALE	CA	95536
305-073-049	DENNIS B & MARY G GRINSELL	1328 GROSS ST	EUREKA	CA	95503
305-073-050	DENNIS B & MARY G GRINSELL	1328 GROSS ST	EUREKA	CA	95503
305-073-053	B A CASEY	611 S PALM CANYON DR #7067	PALM SPRINGS	CA	92264
305-073-054	B A CASEY	611 S PALM CANYON DR #7067	PALM SPRINGS	CA	92264
305-073-055	B A CASEY	611 S PALM CANYON DR #7067	PALM SPRINGS	CA	92264
305-073-056	DEBORAH M WHITEHORN	1251 KING SALMON AVE	EUREKA	CA	95503
305-073-057	DEBORAH M WHITEHORN	1251 KING SALMON AVE	EUREKA	CA	95503
305-073-058	BRIAN & ANGELA PAPSTEIN	1410 BUHNE ST	EUREKA	CA	95501
305-073-059	JOHN & CATHERINE SZYCHULDA	11725 WILDER RD	RED BLUFF	CA	96080
305-073-060	JAMES C & NANCY C MAAS	2934 ROSS CREEK CT	REDDING	CA	96002
305-073-064	KATHERINE E EDWARDS	85 HERRING ST	EUREKA	CA	95503
305-073-066	HONIGSCHMIDT DAVID & HOLLY C HWCPRS	142 SOLE ST	EUREKA	CA	95503
305-073-068	SCHMALZ STEVEN W & TIMOTHY P & HELEN A & THOMAS ME	4961 KNEELAND RD	KNEELAND	CA	95549
305-073-070	HEANEY CHARLES V & EBERHARDT-HEANEY JEAN TR	8445 KNEELAND RD	KNEELAND	CA	95549
305-073-071	ANGUS B & JOAN H STEWART	77 SOLE ST	EUREKA	CA	95503
305-073-072	MEHRAN GHAFFARI	526 W MERLE CT	SAN LEANDRO	CA	94577
305-073-073	JOHN L BRUNSKILL	150 SOLE ST	EUREKA	CA	95503
305-073-074	JUDITH E WHITE	1493 BUHNE DR	EUREKA	CA	95503
305-073-075	OBERG JAMES M & OTTO-OBERG DEBORAH A	15325 MOONSTRUCK DR	CALDWELL	ID	83607
305-073-076	RUSSELL & CAROLYN ALLEN	1445 BUHNE DR	EUREKA	CA	95503
305-073-077	DELMAN W & HAZEL K SMITH	1417 BUHNE DR	EUREKA	CA	95503
305-073-078	STEPHENS GREGORY A & ELIZABETH E HWCPRS	PO BOX 724	EUREKA	CA	95502

APN	NAME	ADDRESS	CITY	STATE	ZIP
305-073-080	STEPHENS GREGORY A & ELIZABETH E HWCPRS	PO BOX 724	EUREKA	CA	95502
305-073-081	KYLA N TRIPODI	315 P ST	EUREKA	CA	95501
305-073-082	PACIFIC GAS & ELECTRIC CO	2555 MYRTLE AVE	EUREKA	CA	95501
305-073-083	PACIFIC GAS & ELECTRIC CO	2555 MYRTLE AVE	EUREKA	CA	95501
305-082-001	RICHARD L WILLIAMSON	1515 BUHNE DR	EUREKA	CA	95503
305-082-002	KATHRYN CORTOPASSI	1531 BUHNE DR	EUREKA	CA	95503
305-082-003	DANIEL MCQUISTON	PO BOX 5771	EUREKA	CA	95502
305-082-004	MICHAEL & JUDY POHL	165 SOLE ST	EUREKA	CA	95503
305-082-005	LLOYD A & DENISE C WELLS	PO BOX 456	MAXWELL	CA	95955
305-082-006	LLOYD A & DENISE C WELLS	PO BOX 456	MAXWELL	CA	95955
305-082-007	DONALD O BROWN	141 SOLE ST	EUREKA	CA	95503
305-082-008	DONALD O BROWN	141 SOLE ST	EUREKA	CA	95503
305-082-009	MARK D MILDBRANDT	PO BOX 665	FORTUNA	CA	95540
305-082-010	MARK D MILDBRANDT	10700 HWY 36	CARLOTTA	CA	95528
305-082-016	CATHLEEN B CHRISTENSEN	4823 DICKSON DR	EUREKA	CA	95503
305-082-017	TBD WORLDWIDE LLC	5797 CHRISTINE DR	EUREKA	CA	95503
305-082-018	TBD WORLDWIDE LLC	5797 CHRISTINE DR	EUREKA	CA	95503
305-082-019	JAMES E STIVERS	PO BOX 24	CUTTEN	CA	95534
305-082-020	JAMES E STIVERS	PO BOX 24	CUTTEN	CA	95534
305-082-023	ANGUS B & JOAN H STEWART	77 SOLE ST	EUREKA	CA	95503
305-083-001	THOMAS J NEEDHAM	1385 AMAYA RIDGE RD	SOQUEL	CA	95073
305-083-002	MARK SLOPER	801 WESTGATE DR	EUREKA	CA	95503
305-083-003	JOHN LAWTON	186 COD ST	EUREKA	CA	95503
305-083-006	DOUG E EVANS	152 COD ST	EUREKA	CA	95503
305-083-007	DOUG E EVANS	152 COD ST	EUREKA	CA	95503
305-083-008	LUKE A & CAROLE L ONTIVEROS	130 COD ST	EUREKA	CA	95503
305-083-009	GREENLAW ABIGAIL S & OVERSON JOSHUA J	PO BOX 386	SCOTIA	CA	95565
305-083-010	JACQUELINE WILSON	239 EDELEN AVE	LOS GATOS	CA	95030
305-083-013	WILLIAM J & JUDITH A ESKE	112 COD ST	EUREKA	CA	95503
305-083-014	KIRK W & JULIE L NOEL	1220 RIVERSIDE DR	RIO DELL	CA	95562
305-083-015	KIRK W & JULIE L NOEL	1220 RIVERSIDE DR	RIO DELL	CA	95562
305-083-016	KIRK W & JULIE L NOEL	1220 RIVERSIDE DR	RIO DELL	CA	95562
305-083-017	JEFFREY F & TUESDAY L PETERSON	21265 ROLLING OAKS DR	RED BLUFF	CA	96080
305-083-018	JEFFREY F & TUESDAY L PETERSON	21265 ROLLING OAKS DR	RED BLUFF	CA	96080
305-083-019	JEFFREY F & TUESDAY L PETERSON	21265 ROLLING OAKS DR	RED BLUFF	CA	96080
305-083-020	ELOISE K COTTRELL	32 COD ST	EUREKA	CA	95503
305-083-021	JOAN BRADY	105 COD ST	EUREKA	CA	95503
305-083-022	WESLEY W & MARGARET L WITTMAN	23471 GOLD SPRINGS DR	COLUMBIA	CA	95310
305-083-023	SCHNELL RUTH & ANDERSON LAURA CO TR	PO BOX 5354	EUREKA	CA	95502
305-083-024	SCHNELL RUTH & ANDERSON LAURA CO TR	PO BOX 5354	EUREKA	CA	95502
305-083-025	SCHNELL RUTH & ANDERSON LAURA CO TR	PO BOX 5354	EUREKA	CA	95502
305-083-026	HARRY T & KAREN L PETERSEN	PO BOX 9	STONYFORD	CA	95979
305-083-027	HILL WENDY & BEAM CHRIS	166 COD ST	EUREKA	CA	95503
305-101-020	KRISTEN M & BRYAN D KELLEY	6060 HUMBOLDT HILL RD	EUREKA	CA	95503
305-101-021	RYAN V RUTH	5900 HUMBOLDT HILL RD	EUREKA	CA	95503
305-131-003	NORTHWESTERN PACIFIC RAILROAD CO	419 TALMAGE RD M	UKIAH	CA	95482
305-131-007	ALLPOINTS OUTDOORS INC	3408 JACOBS AVE	EUREKA	CA	95501
305-131-010	HUMBOLDT COUNTY OF	825 FIFTH ST	EUREKA	CA	95501
305-131-013	ALLPOINTS OUTDOORS INC	3408 JACOBS AVE	EUREKA	CA	95501
305-131-016	ALLPOINTS OUTDOOR INC	3408 JACOBS AVE	EUREKA	CA	95501
305-131-017	STEVEN T DANIELSON	PO BX 3598	EUREKA	CA	95502
305-131-021	PACIFIC GAS & ELECTRIC CO	2555 MYRTLE AVE	EUREKA	CA	95501
305-131-022	PACIFIC GAS & ELECTRIC CO	2555 MYRTLE AVE	EUREKA	CA	95501
305-131-024	BICOASTAL NOR CAL LLC CO	140 N MAIN ST	LAKEPORT	CA	95453
305-131-026	HUMBOLDT COMM SERV DIST	PO BX 158	CUTTEN	CA	95534
305-131-034	PACIFIC GAS & ELECTRIC	2555 MYRTLE AVE	EUREKA	CA	95501
305-131-036	HUMBOLDT BAY HARBOR RECR & CONS DISTPL	PO BX 1030	EUREKA	CA	95502
305-131-038	ALLPOINTS OUTDOORS INC	3408 JACOBS AVE	EUREKA	CA	95501
305-131-039	HUMBOLDT COMMUNITY SERVICES DIST	PO BX 158	CUTTEN	CA	95534
305-131-040	HUMBOLDT BAY HARBOR RECREATION & CONSERVATION DIST	601 STARFARE DR	EUREKA	CA	95501
305-131-041	HUMBOLDT BAY HARBOR RECREATION & CONSERVATION DIST	601 STARFARE DR	EUREKA	CA	95501
305-141-002	NORTHWESTERN PACIFIC RAILROAD CO	419 TALMAGE RD M	UKIAH	CA	95482
305-141-005	HUMBOLDT BAY HARBOR REC & CONS DIST	PO BX 1030	EUREKA	CA	95502

APN	NAME	ADDRESS	CITY	STATE	ZIP
305-161-001	HUMBOLDT BAY HARBOR REC & CONS DIST	PO BX 1030	EUREKA	CA	95502
305-162-002	NORTHWESTERN PACIFIC RAILROAD CO	419 TALMAGE RD M	UKIAH	CA	95482
305-162-004	NELSON GARY V & NELSON JUDY A TR & MOOSLIN GARY S	PO BOX 318	CARLOTTA	CA	95528
305-162-006	HUMBOLDT BAY HARBOR RECREATION & CONSERVATION DIST	601 STARTARE DR	EUREKA	CA	95501
305-162-008	HUMBOLDT BAY HARBOR RECREATION & CONSERVATION DIST	601 STARTARE DR	EUREKA	CA	95501
305-162-010	HUMBOLDT COUNTY OF	1106 SECOND ST	EUREKA	CA	95501
305-162-011	HUMBOLDT BAY HARBOR RECREATION & CONSERVATION DIST	601 STARTARE DR	EUREKA	CA	95501
305-162-012	NELSON GARY V & NELSON JUDY A TR & MOOSLIN GARY S	PO BOX 318	CARLOTTA	CA	95528
305-221-003	WILLIAM R NICHOLS	161 COD ST	EUREKA	CA	95503
305-221-004	GLORIA R TDP CHRISTOPHER	510 CIELO AZUL RD	CORRALES	NM	87048
305-221-005	GLORIA R TDP CHRISTOPHER	510 CIELO AZUL RD	CORRALES	NM	87048
305-221-006	GLORIA R TDP CHRISTOPHER	510 CIELO AZUL RD	CORRALES	NM	87048
305-221-007	JOAN BRADY	105 COD ST	EUREKA	CA	95503
305-221-008	KAREN C TDP HOWARD	PO BOX 55	FIELDS LANDING	CA	95537
305-221-009	PHILIP R & JUDY B AYCOCK	140 WEBSTER ST	RIO DELL	CA	95562
305-221-010	EMILY L SIEGEL	PO BOX 7032	EUREKA	CA	95502
305-221-011	BONNIE M MESINGER	35 COD ST	EUREKA	CA	95503
305-221-014	DOWNIE SCOTT T & CULVER CATHERINE HWCPRS	PO BOX 814	FORTUNA	CA	95540
305-221-015	SHARON FRACKER	15 COD ST	EUREKA	CA	95503
305-221-016	SHARON FRACKER	15 COD ST	EUREKA	CA	95503
305-221-019	DAN TARANTO	PO BOX 1264	EUREKA	CA	95502
305-221-020	CHRISTOPHER W SEITZ	PO BOX 892	CARMICHAEL	CA	95609
305-221-021	MICHAEL TODD	108 CRAB ST	EUREKA	CA	95503
305-221-022	MICHAEL TODD	108 CRAB ST	EUREKA	CA	95503
305-221-023	MICHAEL TODD	108 CRAB ST	EUREKA	CA	95503
305-221-024	MARY J MCLEAN	84 CRAB ST	KING SALMON	CA	95503
305-221-025	MARY J MCLEAN	84 CRAB ST	KING SALMON	CA	95503
305-221-026	MARY J MCLEAN	84 CRAB ST	KING SALMON	CA	95503
305-221-027	MARGARETTE SMITH	70 CRAB ST	EUREKA	CA	95503
305-221-029	JENNY M DILL	1050 N CEDAR POINT DR	COQUILLE	OR	97423
305-221-030	PATTON MICHAEL & DE LA FUENTE MARIA	PO BOX 17105	FRESNO	CA	93720
305-221-034	JAMES A ZITO	PO BOX 624	EUREKA	CA	95502
305-221-035	BONNIE M MESINGER	35 COD ST	EUREKA	CA	95503
305-221-036	KAREN A MCFARLAND	2624 K ST	EUREKA	CA	95501
305-221-038	KAREN A MCFARLAND	2624 K ST	EUREKA	CA	95501
305-221-044	GEORGE C & JACKALYNN D STILL	10 CRAB ST	EUREKA	CA	95503
305-221-045	JAMES GREGG SUND LLC CO	PO BOX 6578	EUREKA	CA	95502
305-221-046	NATHANIEL M FAITH	PO BOX 8035	EUREKA	CA	95502
305-231-011	BROWN JOHN M G & JOSEPHINE D HWCPRS	PO BOX 30	PETROLIA	CA	95558
305-231-012	RCSA LLC CO	12671 CENTRAL AVE	CHINO	CA	91710
305-231-013	RCSA LLC CO	12671 CENTRAL AVE	CHINO	CA	91710
305-231-014	RCSA LLC CO	12671 CENTRAL AVE	CHINO	CA	91710
305-231-015	BRYONY K SHAW	57 CRAB ST	EUREKA	CA	95503
305-231-016	DAISY ROSAS	PO BOX 6244	EUREKA	CA	95502
305-231-017	ARTHUR V KISH	534 STURGEON DR	COSTA MESA	CA	92626
305-231-018	BRUCE L MCCAMPBELL	PO BOX 2655	WEAVERVILLE	CA	96093
305-231-019	KAREN & CHARLES DAVY	5138 JACOBY CREEK RD	BAYSIDE	CA	95524
305-231-020	JIMMIE D BROOKS	1150 SHAFER RD	SEASIDE	CA	93955
305-231-021	ANGUS B & JOAN H STEWART	77 SOLE ST	EUREKA	CA	95503
305-231-022	ANGUS B & JOAN H STEWART	77 SOLE ST	EUREKA	CA	95503
306-361-003	TRIBE WIYOT	1000 WIYOT DR	LOLETA	CA	95551
306-391-006	KRISTEN M & BRYAN D KELLEY	6060 HUMBOLDT HILL RD	EUREKA	CA	95503
306-391-008	LOUIS H & WANDA J GOSELIN	135 LOMA VISTA DR	FORTUNA	CA	95540
306-391-010	SOUTH BAY UNION SCHOOL DISTRICT	8073 BERTA RD	EUREKA	CA	95503
306-391-011	ELLSWORTH DENNIS SR & YOLANDA & RICKY SR & RINA	5953 S BROADWAY	EUREKA	CA	95503
306-391-012	ROBERT J FRAZIER	PO BOX 188	CUTTEN	CA	95534
306-391-013	SEQUOIA HUMANE SOCIETY INC	6073 LOMA AVE	EUREKA	CA	95503
306-391-014	SOUTH BAY UNION SCHOOL DISTRICT	6077 LOMA AVE	EUREKA	CA	95503
306-391-016	ROBERT J FRAZIER	PO BOX 188	CUTTEN	CA	95534
305-231-010	BROWN JOHN M G & JOSEPHINE D HWCPRS	PO BOX 30	PETROLIA	CA	95558
305-221-039	KAREN A MCFARLAND	2624 K ST	EUREKA	CA	95501
305-221-037	TRAVIS BARTER	PO BOX 524	WILLOW CREEK	CA	95573

