



GWF POWER SYSTEMS

April 25, 2001

Mr. Steve Larson
Executive Director
California Energy Commission
1516 Ninth Street
Sacramento, CA 95814

Re: Hanford Energy Park Peaker

Dear Mr. Larson:

GWF Power Systems Company, Inc. (GWF) submits an Amended Filing to its Application to construct the Hanford Energy Park Peaker (HEPP), a 95-megawatt natural gas-fired simple cycle power plant. The original Application was submitted on April 6, 2001, under the CEC's 21-day Emergency Power Plant Permitting process in order to bring power on-line before September 30, 2001. It described a project that would be constructed on a plot of land immediately west of the Hanford Energy Park Project (HEP) which was granted a Small Power Plant Exemption (SPPE) by the CEC on April 11, 2001. The original Application for the HEPP utilized the natural gas and electrical interconnection approved by the CEC in its grant of an SPPE for the HEP.

A hearing and site visit on the HEPP was held in Hanford on April 20, 2001. In the course of the HEPP licensing, GWF was informed by PG&E that its existing transmission facilities do not have sufficient capacity to allow for operation of both the HEPP and the HEP.

Consequently, GWF must choose between proceeding with the HEP, which has an on-line date of third quarter 2002, or the HEPP, which can be on-line in summer of 2001.

In order to ensure that needed power supplies can be brought on to meet California's need, GWF has elected to proceed with the HEPP project. This amended filing for the HEPP makes minor changes to the April 6, 2001 Application in that it now identifies a site layout originally designated for the HEP. The Amended Filing also requests that the natural gas and electric interconnections included as part of the HEP SPPE now be certified as part of the HEPP. The minor changes delineated in this resubmittal do not alter any of the insignificant environmental impacts associated with the HEPP as described in the April 6, 2001 Application and addressed in the April 20, 2001 public meeting.

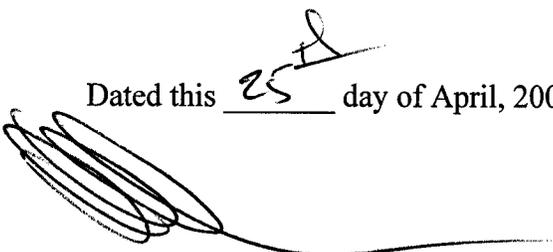
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GWF understands that proceeding with the HEPP will require it is forebear now and in the future any further activities with respect to the HEP, absent a reopening of the SPPE process.

However, GWF does not intend, in electing to pursue the HEPP, to eliminate a major purpose of the HEP, namely the opportunity to provide thermal energy for future use at the Kings County Industrial Park. After initial operation of the HEPP, GWF will apply to the CEC to recertify the project as a combined cycle cogeneration project, supplying steam to the Kings County Industrial Park.

As Vice President of GWF Power Systems Company, Inc., I hereby attest under penalty of perjury that the contents of this Amended Filing are true and correct to the best of my knowledge.

Dated this 25th day of April, 2001



Doug Wheeler
Vice President

April 26, 2001

California Energy Commission
Docket Unit, MS-4
Attention: Theresa
1516 Ninth Street
Sacramento, CA 95814-5512

Re: Hanford Energy Park Peaker Project

Dear Theresa:

Enclosed for filing with the California Energy Commission are 40 hard copies and 10 CDs of the **HANFORD ENERGY PARK PEAKER PROJECT'S** Amended Filing to its Application.

On behalf of GWF Power Systems Company, Inc., please be advised that GWF is hereby incorporating into the Hanford Energy Park Peaker (HEPP) application all applicable mitigation measures adopted by the California Energy Commission for the Hanford Energy Park Small Power Plant Exemption (00-SPPE-1).

Sincerely,

David A. Stein, P.E.
Senior Project Manager

Enclosures

**DATA ADEQUACY SUPPLEMENT B:
EXECUTIVE SUMMARY**

Instructions:

Replace the existing text of the executive summary to the *Hanford Energy Park Peaker: California Emergency Peaker Power Plant Permit Application* (April 2001) with the attached version of the executive summary.

Keep existing Attachment A: CEC EMERGENCY SITING PROCESS APPLICATION CHECKLIST.

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ES.0 EXECUTIVE SUMMARY

GWF Power Systems Company, Inc. (GWF) is seeking a fast-track license from the California Energy Commission (CEC) for the construction and operation of the Hanford Energy Park Peaker (HEPP) project. The HEPP will be located adjacent to GWF's existing Hanford cogeneration plant in the Kings Industrial Park, on the southern border of Hanford, California. The HEPP is located on a portion of the southwest quarter of Section 13, Township 19 South, Range 21 East in Kings County. The HEPP will be a nominal 95 megawatt (MW) (net) simple-cycle power plant, consisting of two natural gas-fired General Electric LM6000 PC Sprints turbine generators (CTGs), with a nominal output of 47.5 MW per unit.

One of the primary goals of the HEPP is the rapid mobilization of peak power supply to meet the critical electricity shortage identified for summer 2001. This HEPP application is being submitted in accordance with the CEC's Emergency Power Plant Permitting memorandum to achieve a 21-day approval of the project. Based on this accelerated approval process, the HEPP is planned to have a commercial operation date of September 1, 2001.

The HEPP will be located on 5 acres of the 10-acre parcel immediately adjacent to the existing GWF cogeneration plant. This 10-acre parcel is owned by GWF. The associated facilities for the HEPP include approximately 1.2 miles of double-circuit, 115-kilovolt (kV) transmission line to transmit electricity generated by the facility to the transmission grid via an existing Pacific Gas and Electric Company (PG&E) transmission line and approximately 2.8 miles of 16-inch natural gas pipeline. Both linear components will be constructed as part of the HEPP.

In May 2000 GWF Power Systems Company, Inc., applied to the California Energy Commission (CEC) using the Small Power Plant Exemption (SPPE) provision seeking permission to construct and operate a 98.6-MW power plant in the Hanford Energy Park (HEP) in the same 10-acre parcel adjoining GWF's Hanford cogeneration facility. On April 11, 2001, the CEC adopted a Mitigated Negative Declaration and approved an SPPE for the HEP (00-SPPE-1). This recently approved plant is referred to in the HEPP application as the HEP plant. Material from the May 2000 SPPE application for the HEP has been extensively used in this application for the HEPP.

The HEPP will be located on a portion of GWF property that was originally intended for the recently approved Hanford Energy Park (00-SPPE-1). GWF has been notified by PG&E that the existing transmission facilities do not have sufficient capacity to allow for operation of both the HEPP and the Hanford Energy Park. Accordingly, GWF has suspended implementation of the Hanford Energy Park. Instead, the HEPP has been configured to accommodate a future amendment to convert the proposed simple-cycle project to a combined-cycle project. The planned combined-cycle conversion project, which is not a part of this application, will include sufficient capacity to satisfy the energy needs of the Kings Industrial Park.

ES.1 PROJECT OWNERSHIP

GWF Power Systems Company, Inc., will construct, own, and operate the Hanford Energy Park Peaker. GWF is wholly owned by National Energy Partners (NEP). NEP is a partnership owned equally by Harbert Cogen, Inc., and PSEG Global USA Inc. Since 1989, GWF has constructed, owned, and operated six small power plant/cogeneration facilities in California with a combined generating capacity of 125 MW. Five of these plants are located in Contra Costa County and one

is located in the Kings Industrial Park in Hanford, California. It is GWF's intention that the electricity produced by the HEPP will be sold to the California Department of Water Resources (CDWR). A Memorandum of Understanding to this effect has been signed with CDWR.

ES.2 PROJECT SCHEDULE

The HEPP will be constructed on the following schedule:

Milestone	Date
Application for Authority to Construct	3/31/01
Application for CEC License	4/6/01
Commencement of Construction	5/15/01
Initiation of Startup	8/2/01
Natural Gas Interconnection	8/15/01
Transmission Interconnection	8/17/01
Commercial Operation	9/1/01

ES.3 PROJECT DESCRIPTION

ES.3.1 Facility Location

The proposed HEPP site is located in Hanford, California. Hanford is located in Kings County. The HEPP site is immediately adjacent to the existing GWF Hanford cogeneration plant just north of Idaho Avenue, between the existing GWF facility to the west and the Burlington Northern & Santa Fe Railway tracks to the east. Refer to Section 1 for the general location map and Section 2 for a plot plan.

ES.3.2 Facility Description

The HEPP will be a nominal 95-MW (annual average conditions) natural gas-fired simple-cycle power plant, with a 115-kV switchyard and approximately 1.2 miles of new 115-kV transmission line. The proposed transmission route is a double-circuit that interconnects with the existing PG&E 115-kV Henrietta-Kingsburg transmission line near the intersection of 11th Avenue and Jackson Avenue, approximately one mile south of the HEPP.

Natural gas for the HEPP will be delivered by the proposed 2.8-mile, 16-inch diameter pipeline along 11th Avenue. Small quantities of water will be required for the HEPP for evaporative cooling of the gas turbine inlet air and for nitrogen oxide (NO_x) control via water injection. Water will be supplied from a well at the existing GWF cogeneration plant with the City of Hanford water supply as a backup. Groundwater use will be mitigated by a local aquifer recharge program. The small quantity of industrial wastewater from the plant (primarily from evaporative cooler blowdown) will be transported from the plant via an existing sewer connection and main to the City of Hanford Wastewater Treatment Plant (WWTP). Domestic water will be supplied from the Hanford municipal water system.

The project expects to operate a maximum of 2,000 hours in 2001 and up to 4,000 hours in subsequent years.

Section 1 includes photosimulations of the HEPP and its associated transmission line. A plot plan and a process flow diagram are included in Section 2.

For the first year of operation, the HEPP will rely on effective combustion and water injection for emissions control, largely because the lead time for design and delivery of post-combustion controls. For the first year, NO_x emissions will be controlled to 25 parts per million by volume, dry (ppmvd) basis corrected to 15 percent oxygen (@ 15% O₂) with water injection in the CTG. Carbon monoxide (CO) emissions from the CTG will be 25.1 ppmvd @ 15% O₂ and volatile organic compounds (VOCs) emissions will be 2.7 ppmvd @ 15% O₂. By February 2002, GWF plans to retrofit each simple-cycle unit with both an oxidation catalyst and a selective catalytic reduction (SCR) system. Following the retrofit emissions will be equal to or less than the limits established under the California Air Resources Board (CARB) simple-cycle Best Available Control Technology Guidelines. NO_x emissions will be controlled to 3.0 ppmvd @ 15% O₂ by a combination of a water injection in the CTG and an aqueous ammonia-type SCR system. CO emissions from the CTG will be reduced to 6 ppmvd @ 15% O₂ with an oxidation catalyst. VOCs will also be controlled to 2 ppmvd @ 15% O₂ with the oxidation catalyst. In addition, GWF will provide offsets for all proposed criteria pollutant emissions from the HEPP.

ES.3.3 Site Layout

See Section 2 for a site layout drawing.

ES.3.4 Transmission Interconnection

The HEPP will interconnect to the existing Henrietta-Kingsburg 115-kV transmission line owned by PG&E. The Henrietta-Kingsburg 115-kV line is located approximately one mile south of the HEPP site and runs east-west along Jackson Avenue.

The proposed transmission interconnection would be an approximately 1.2-mile-long double-circuit 115-kV line that would travel west on Idaho Avenue, then south along 11th Avenue, interconnecting to the existing Henrietta-Kingsbury 115-kV line near the intersection of Jackson and 11th Avenues.

ES.3.5 Fuel Supply

Each CTG will be designed to burn natural gas. Maximum natural gas requirements are approximately 450 million British thermal units per hour (MMBtu/hr) higher heating value (HHV) for each unit.

Natural gas will delivered to the site by the proposed 2.8 mile, 16-inch-diameter pipeline operated by Southern California Gas Company.

ES.3.6 Water Supply

The water requirements for the HEPP will be for evaporative cooling and for water injection in the CTGs to control NO_x emissions and for power augmentation. The HEPP will use an on-site

water supply well at the existing GWF plant for service water. Should the water supply well be out of service for maintenance, the backup service water supply will be from the City of Hanford through an existing connection to the GWF Hanford cogeneration plant. Fire water will be provided by the City of Hanford through an existing connection.

ES.3.7 Waste Handling and Control

Solid waste generated at the HEPP will include small quantities of paper from administration; absorbent materials, packaging, and used parts from operation; and chemical containers, demolition/construction wastes, and other specialized wastes from maintenance. Potentially hazardous waste will be generated during both construction and operation of the HEPP. Hazardous wastes may include contaminated soil; waste oil, solvents and paints; waste SCR catalyst; and other maintenance wastes. Hazardous wastes will be minimized by recycling to the extent possible. Hazardous wastes that are not recycled will be characterized and appropriately treated or disposed.

ES.3.8 Wastewater Line

The HEPP will use the existing wastewater discharge and sewer connection to the City of Hanford sewage treatment plant. The existing line has sufficient capacity to accommodate the discharge from the HEPP. Therefore, no new wastewater line is required.

ES.3.9 Site Access

The HEPP will be accessed from the existing GWF Hanford cogeneration plant entrance on Idaho Avenue. The proposed electric and gas transmission interconnects will be accessible from surface streets.

ES.3.10 Facility Closure

The HEPP will be designed to operate through 2011. Closure procedures will follow a plan that depends on conditions at the time. Those conditions are largely unknown at this time, but closure may include maximizing recycle of facility components; return of unused chemicals to suppliers; equipment draining and shutdown to ensure public health and safety and environmental protection; and the collection, recycling, or disposal of all solid and hazardous wastes.

ES.4 PLANT OPERATION

The HEPP will be operated by existing employees of the GWF Hanford cogeneration plant. The plant will be designed to service peak power demands, operating up to 16 hours per day, 6 days per week, but may operate up to 24 hours a day, 7 days a week depending on the dispatch requirements of the California Independent System Operator. The estimated annual operation for each CTG is 2,000 hours per year (hr/yr) in 2001 and 4,000 hr/yr thereafter.

ES.5 SAFETY

The HEPP will be designed to maximize safe operations. Potential hazards that could affect the facility include earthquakes, floods, and fire. Safe operation will include safety for facility operators, who will be trained to avoid unsafe operating conditions.

Safety and emergency systems will be incorporated into the design and construction of the facility to ensure safe and reliable operation. The HEPP structures will be designed to meet Uniform Building Code (UBC) Seismic Zone 3 requirements. The facility site will be located above the 100-year floodplain. Fire protection systems will include both automatic and manual systems. Worker safety programs will be developed for both construction and operation, and will be implemented to ensure compliance with federal and state occupational safety and health requirements.

ES.6 ENVIRONMENTAL IMPACTS

The HEPP will avoid or substantially reduce potential environmental impacts to insignificant levels through project design and incorporation of proposed mitigation measures.

ES.6.1 Air Quality

The HEPP will result in a net regional air quality benefit based on the inclusion of state-of-the-art control technology and air emission offsets that are greater than the project emissions for both 2001 proposed operation utilizing water injection and subsequent operation conforming to Best Available Control Technology (BACT) requirements using SCR and oxidation catalyst. In addition to the emission offsets required by regulation, GWF will voluntarily offset expected CO emissions to ensure a net air quality benefit. The HEPP CTG will be equipped with BACT to control criteria pollutant emissions. These measures will include clean-burning natural gas, water injection, an aqueous ammonia-type SCR, and an oxidation catalyst. Post-combustion controls will be retrofitted by February 2002.

Emissions sources during construction of the HEPP will be heavy equipment exhaust and fugitive dust from disturbed areas. Water will be routinely applied to minimize fugitive dust emissions. Operational emission estimates are provided for full load operation of the CTG.

The HEPP will trigger offset requirements for NO_x, VOC, SO₂ and PM₁₀ emissions. In addition, GWF will voluntarily provide emission reduction credits (ERCs) for the project's CO emissions. GWF has purchased the ERCs necessary to satisfy the applicable ERC emission offset requirements. With this mitigation in place, no adverse impacts to air quality are expected.

ES.6.2 Biological Resources

The HEPP will be located on previously disturbed vacant land in an industrial park. The transmission line route will run along existing roadways. Certain areas in Kings County provide habitat for a number of sensitive plant and animal species. Biological surveys were conducted in the project area in June 1999 and February 2000. The surveys were conducted primarily for federal- and state-listed plant and animal species in accordance with the U.S. Fish and Wildlife Service (USFWS) and California Department of Fish and Game (CDFG) approved survey methodologies for sensitive species while concurrently surveying for other special status plant

and wildlife species with potential to occur in the areas. The surveys in area of the HEPP included the 10-acre facility site surrounded by a 500-foot primary buffer area and a one-mile secondary buffer area. The transmission line corridors were surveyed using a method suggested by the CEC that involved a 100-foot corridor centered on the transmission line with a primary buffer area 500 feet on either side of the corridor. A secondary buffer zone, consisting of an additional 500 feet on either side of the primary buffer zone, was also surveyed.

During the surveys, all dens, burrows, and other evidence of special status species were noted. A vascular plant list was compiled consisting of all identifiable plant species observed. Sensitive plants and animals were found at or near the proposed cogeneration facilities and associated utility corridors, as listed in Section 8.2. No significant biological resources were identified within the area to be impacted by construction and operation of the HEPP. Consequently, no significant impacts to biological resources are expected.

GWF will provide funds to the Kern Water Mitigation Bank for the purchase of compensation acreage to mitigate any impacts from the small amount of land disturbance resulting from construction of HEPP.

ES.6.3 Cultural Resources

The HEPP will be located and constructed to avoid or minimize, to the extent possible, impacts to all cultural resources. To ensure that such resources are protected from construction damage, a qualified monitor will be available during construction activities to assess the nature and importance of any cultural materials discovered. Construction personnel will be trained in the recognition of cultural materials and will be instructed to immediately halt construction activities in the area of a find upon discovery. In this way, the HEPP's impact on cultural resources will be insignificant.

A records search was requested from the Southern San Joaquin Valley Information Center of the California Historical Resources Inventory System at California State University, Bakersfield. The records search included all previously recorded cultural resources within one mile of the study area. The result of the records search and cultural resources surveys showed that no significant cultural resources exist in the HEPP area that would be impacted by construction and operation of the HEPP. A letter was sent to the Native American Heritage Commissions requesting information on any heritage lands or resources located in the study area. Systematic pedestrian surveys of the study area were also completed in February and March 2000.

ES.6.4 Land Use

The HEPP will conform with all local plans and regulations and is compatible with general land uses in the project area.

The HEPP site is located on a previously disturbed parcel within an existing industrial park. Construction activities at the HEPP will be temporary and will be conducted with minimal interference with existing adjacent land uses. Overall, the land use impacts associated with construction activities will not be significant.

The proposed use of the site is compatible with adjacent land uses, and the operation of the proposed facility is not expected to result in significant adverse impacts to surrounding land uses. Operation of the HEPP represents further development of an area already committed to industrial

uses. The HEPP would not result in a change of land use, nor would it change the existing character of the area.

The proposed route for the transmission line runs along approximately 1.2 miles on Idaho and 11th Avenue. Construction activities associated with the transmission line will be undertaken so as to minimize interference with existing land uses in the transmission line corridor. Structures will be located in a way that reduces conflicts with existing and future land uses. Therefore, no significant land use impacts are identified.

ES.6.5 Noise

Assessment of noise impacts from the HEPP was accomplished through an ambient noise survey performed for the HEPP, evaluation of survey results, and modeling of expected construction and operational noise levels for the HEPP. There are approximately 15 residences located within 1.5 miles of the HEPP site. The nearest residence to the proposed facility is located at the southwest corner of Idaho Avenue and 10th Avenue, approximately 3,200 feet from the site. The next nearest residences are located along both sides of 10th Avenue between Jackson and Iona Avenue, approximately 3,900 feet from the HEPP site. Ambient noise levels at both the proposed HEPP site boundary and the nearest residents are below significant levels.

Noise levels expected from the operation of the proposed facility will be reduced by noise abatement features incorporated as standard equipment (e.g., acoustic enclosure and inlet air and exhaust silencers for the CTGs). Compared to the ambient noise levels measured at nearby residences, noise from the operation of the proposed project is expected to be inaudible during all but the quietest periods. No significant noise impacts are expected from the operation and maintenance of the HEPP plant and the transmission line.

Construction noise impacts should be typical of power plant construction activities, with the primary noise sources being associated with equipment and vehicles. Construction noise is not expected to be audible at the nearest residences. Construction equipment will be equipped with appropriate mufflers or silencers to reduce noise levels.

Off-site noise levels associated with the HEPP are not expected to be significant or require further mitigation beyond the measures already identified and incorporated into the project. After commencement of operation, GWF will conduct an additional ambient noise survey to demonstrate that the HEPP conforms with applicable city standards.

ES.6.6 Public Health

The HEPP will utilize clean-burning natural gas and state-of-the-art combustion technology to minimize potentially toxic air emissions. Criteria pollutant emissions from the HEPP will meet pertinent federal and state ambient air quality standards that have been set at levels designed to protect public health. Therefore, no significant adverse health effects from criteria pollutant emissions are anticipated.

Energized electrical conductors produce electric and magnetic fields at the transmission line that will drop off exponentially with distance away from the transmission line. Current knowledge on this subject indicates that the electric and magnetic field levels expected at the edge of the transmission line right-of-way will not present a health risk.

ES.6.7 Worker Health and Safety

The construction, operation, and maintenance activities associated with the HEPP may expose workers to physical and chemical hazards. However, worker exposure to these hazards will be minimized through adherence to appropriate engineering design criteria, implementation of appropriate administrative procedures, use of personal protective equipment, and compliance with applicable health and safety regulations. Such practices are already in place at the existing GWF Hanford cogeneration plant.

The HEPP site will become the fire protection responsibility of the City of Hanford Fire Department Station No. 2, which is located approximately 1.5 miles north of the proposed HEPP site. This location allows for a rapid response time. The on-site fire suppression system will be placed in service as early as practicable. Applicable fire suppression plans will be submitted to the City of Hanford for review. An emergency action plan will be developed to designate responsibilities and actions to be taken in the event of an emergency during construction of the facility. Additional written safety programs will include but not be limited to hazard communication standards, a hearing conservation program, a respiratory protection program, heavy equipment procedures, hot work procedures, and others. A plan already exists for the existing GWF Hanford cogeneration plant. That plan will be amended to incorporate the HEPP.

On startup of the HEPP, the construction health and safety programs will transition into an operations and maintenance program. The primary mitigation measures for worker hazards during normal facility operation and maintenance will be contained in the Injury and Illness Prevention Plan. Fire protection will involve physical measures, such as sprinklers, water supplies, and fire extinguishers, as well as fire prevention measures. The HEPP will have a site-specific Emergency Action Plan that addresses potential emergencies, actions, and responsibilities. Additional written safety programs will be developed as components of the overall operation and maintenance health and safety plan for the HEPP.

The HEPP will ensure the safety and well-being of all workers participating in construction and operation of the project. Systems will be implemented to ensure that workers possess the necessary information to recognize hazards and protect themselves from these hazards.

ES.6.8 Socioeconomics

The HEPP will have a positive impact on the fiscal resources in the region. The project will bring both sales tax and property tax revenues to the city and county in addition to construction payrolls. Operating payrolls will not be impacted because the HEPP will not require any additional workers.

The HEPP construction is expected to last three months and will provide short-term job opportunities. There appears to be sufficient supply of labor for this project through unions and contractors in nearby Fresno County and Kern County. The peak construction period for the HEPP is not expected to overlap with the peak construction demands of other projects planned in the area. Therefore, the HEPP is not expected to cause significant cumulative impacts on the availability of construction labor.

The construction and operation of the HEPP will not have a significant adverse impact on law enforcement, local fire and emergency, medical, utilities, or education services.

ES.6.9 Agriculture and Soils

The HEPP will not cause significant impacts to agriculture or soils. The HEPP is located in an existing industrial park, where disturbance of soils has already occurred.

During excavation of the HEPP site and before compacting and grading, the soils will have susceptibility to erosion. However, compacting and other construction mitigation measures will reduce the potential for erosion. Grading operations and construction activities will meet county and state grading requirements and storm water best management practices.

ES.6.10 Traffic and Transportation

At the HEPP, construction activities will add a moderate amount of traffic during the peak construction period. However, the increase in traffic will be minor compared to the existing roadway capacity. No significant degradation in the roadway level-of-service is anticipated during construction of the HEPP. Therefore, the impact from construction of the HEPP is not considered significant.

Operation and maintenance-generated traffic for the HEPP will not be significantly increased above existing plant levels, as there will not be an increase in the number of workers traveling to and from the site each day. (The HEPP will be operated and maintained by staff at the existing GWF cogeneration plant.) Potential long-term traffic impacts associated with operation of the HEPP include delivery of hazardous and nonhazardous materials and hauling of wastes generated during operations. These operations-related traffic increases would be minimal. Regional and local roadways have adequate capacity to accommodate operations-related traffic. Traffic related to operation of the transmission line would be limited to preventive maintenance vehicles and repair vehicles required in the event of damage to the lines. Therefore, traffic impacts during operation of the HEPP are also considered to be insignificant.

ES.6.11 Visual Resources

Visual resources would not be significantly impacted by the HEPP. The HEPP will be located in an area already impacted by industrial development. All facility lighting will be hooded and directed on-site. Because of the project's overall consistency with existing conditions in the project's vicinity, impacts on existing and future visual resources are considered minimal and therefore less than significant.

ES.6.12 Hazardous Materials Handling

The HEPP will implement numerous accident prevention and mitigation measures to reduce the risk associated with use and storage of hazardous materials. The quantities of hazardous materials stored or used on-site will be evaluated to determine which exceed threshold levels for federal and state risk management and process safety requirements. Plans and programs are already in place at the existing GWF Hanford cogeneration plant and these programs will be expanded to include the HEPP. The current programs include hazard assessments, prevention programs, emergency response programs, and process management systems. Although risk cannot be completely eliminated, engineering and procedural features will effectively reduce the possibility and potential consequences of a release.

A number of hazardous materials and one extremely hazardous substance will be used and/or stored on-site during operation of the HEPP. The hazardous materials include insulating and lubricating oils, corrosion inhibitor, detergents, ethylene glycol, carbon dioxide, and hydrogen. The extremely hazardous substance is aqueous ammonia, which will be used in the SCR system for NO_x control. The HEPP will use the existing aqueous ammonia tank in the adjacent GWF cogeneration plant. The ammonia tank is currently surrounded by a secondary containment structure sized to hold the entire contents of the tank. In addition, the containment area will be filled with plastic spheres that will serve to reduce the exposed surface area in the unlikely event of an aqueous ammonia spill. Personnel protective equipment will be available for emergency response personnel. The evaluation of plausible release scenarios indicates that the likelihood of a release is too small to be considered significant.

On-site storage of hazardous materials will be minimized. Equipment and containers will be located inside concrete containment berms. All hazardous materials will be handled and stored in accordance with applicable codes and regulations, including the California Fire Code and the Uniform Fire Code. Incompatible materials will be stored in separate storage containment areas. Areas susceptible to potential leaks and/or spills will be paved and bermed. Piping and tanks will be protected from potential traffic hazards by concrete or other barriers.

ES.6.13 Waste Management

Nonhazardous and hazardous wastes generated by the HEPP during both construction and operation of the facility will be recycled to the extent possible. Typical wastes include sanitary wastewater, nonhazardous solid and liquid waste, and hazardous solid and liquid waste. When properly handled, both nonhazardous and hazardous waste will not significantly affect the environment or human health.

The nonhazardous waste generation and disposal from the HEPP will not significantly decrease the capacity of the waste disposal facilities identified as available for use by the project. With active recycling efforts in place, and the currently available Class II or III waste disposal capacity in Kings County, the incremental waste disposal capacity needed by the project is insignificant.

Similarly, the hazardous waste generation and disposal from the HEPP will be minimized by recycling and will not significantly decrease the capacity of Class I hazardous waste disposal facilities used by the project.

ES.6.14 Water Resources

The HEPP will have a minimal impact on freshwater resources because the project will not withdraw a significant quantity of water from the local aquifer. The HEPP extraction will represent approximately <0.01% of the current groundwater extraction rate. However, it is recognized that the aquifer currently experiences overdraft conditions. To fully mitigate the HEPP groundwater extraction, GWF will purchase surface water and make it available for local aquifer recharge. With this mitigation in place, groundwater impacts from the HEPP will be insignificant. The City of Hanford will provide backup supply for the service water for the HEPP. Because the City will only be providing a backup water supply, there will be no impact on the City's water supply operations.

Best management practices, drainage control, and erosion and sediment control will be implemented to minimize surface water impacts during construction. During construction, existing roadways will be used.

ES.6.15 Geologic Resources and Hazards

The HEPP will not adversely affect geologic resources of recreational, commercial, or scientific value. The HEPP will be designed to conform with the requirements for UBC Seismic Zone 3. The surface and subsurface geologic units are not unique and the potential for encountering rare mineral or fossil occurrences is very low. In addition, the HEPP site has been previously disturbed by historical agricultural activities and the transmission line route is close to, or within, rights-of-way of existing roadways. No significant impacts to geologic resources are expected.

ES.6.16 Paleontological Resources

The literature and archival reviews and the field survey documented fragmentary fossil bone specimens that could not be identified. Paleontologic monitoring will be conducted to ensure that paleontologic resources are not adversely affected by the earth-moving associated with the construction of the HEPP. No impacts to paleontologic resources are anticipated during the operation of the HEPP. Also, no impacts are associated with construction, operation, or maintenance of the HEPP transmission line.

ES.7 CERTIFICATION

GWF Power Systems Company, Inc., certifies that the material contained in this filing is true and accurate to the best of our knowledge.

ES.8 ORGANIZATION OF THE DOCUMENT

This document is organized to correspond numerically with each of the items requested in the *Emergency Siting Process Application Checklist*. A copy of the completed checklist follows, including reference to the location where the requested information can be found in this document. Each section contains a narrative response to the questions on the checklist. In many cases, reference has been made to material prepared in support of the recent application for a Small Power Plant Exemption (SPPE) for the Hanford Energy Park. Referenced material has been included at the end of each numbered section as exhibits. To simplify the presentation of exhibit material, figures referenced within the exhibit documents have been omitted and may appear as blank pages in the exhibit. A complete copy of the application for SPPE for the Hanford Energy Park, including all of the figures, can be located in CEC Docket 00-SPPE-1.

**DATA ADEQUACY SUPPLEMENT B:
SECTION 1 PROJECT DESCRIPTION**

Instructions:

Replace the existing text of Section 1 of the *Hanford Energy Park Peaker: California Emergency Peaker Power Plant Permit Application* (April 2001) with the attached version of the text of Section 1.

Replace the existing Figure 1-1 with the attached Figure 1-1.

Replace the existing Figures 1-2a through 1-2e with the attached Figures 1-2a through 1-2d.

Keep the existing Figure 3-1 (Electric One-Line Diagram) at the end of Section 1.

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1.0 PROJECT DESCRIPTION

This proposed 95-megawatt (MW) simple-cycle natural gas-fired power plant in Hanford, California, is designated the Hanford Energy Park Peaker (HEPP). GWF Power Systems Company, Inc. (GWF) is applying to the California Energy Commission to construct and operate the HEPP plant at a location immediately adjacent to the existing GWF Hanford cogeneration plant in the Kings Industrial Park just north of Idaho Avenue. The proposed location for the HEPP is between the existing GWF facility to the west and the Burlington Northern & Santa Fe Railway tracks to the east. Figure 1-1 shows the location of the HEPP site, the proposed 115-kilovolt (kV) transmission interconnect, and the proposed natural gas pipeline interconnect. These linear components will be constructed as part of the HEPP.

The HEPP will be located on a portion of GWF property that was originally intended for the recently approved Hanford Energy Park (00-SPPE-1). GWF has been notified by PG&E that the existing transmission facilities do not have sufficient capacity to allow for operation of both the HEPP and the Hanford Energy Park. Accordingly, GWF has suspended implementation of the Hanford Energy Park. Instead, the HEPP has been configured to accommodate a future amendment to convert the proposed simple-cycle project to a combined-cycle project. The planned combined-cycle conversion project, which is not a part of this application, will include sufficient capacity to satisfy the energy needs of the Kings Industrial Park.

1.1 PROJECT OWNER

The project owner is GWF Power Systems Company, Inc., 4300 Railroad Avenue, Pittsburg, California 94565, Tel. (925) 431-1444, Fax. (925) 431-0515.

GWF Power Systems Company, Inc. will construct, own, and operate the HEPP plant. GWF is wholly owned by National Energy Partners (NEP). NEP is a partnership owned equally by Harbert Cogen, Inc. and PSEG Global USA Inc.

1.2 OVERVIEW OF POWER PLANT

The HEPP plant will be a 95-MW net natural gas-fired simple-cycle power plant, with a 115-kV switchyard, approximately 1.2 miles of 115-kV transmission line, and approximately 2.8 miles of natural gas pipeline interconnect. The plant will consist of two (2) General Electric LM6000 PC Sprints gas turbine generators that will generate 95 MW under annual average atmospheric conditions. The LM6000 PC Sprint is a single gas turbine utilized to drive an electric generator. The modular power plant is equipped with a self-contained cooling system and inlet-air filtration system as well as air inlet and exhaust silencers. The control system is fully computerized and will be operated from the adjacent control room in GWF's Hanford cogeneration plant.

1.3 STRUCTURES

The LM6000 PC Sprints are modular in design and will be installed with enclosures around the CTG and generator on foundations designed to Seismic Zone 3 standards and conforming to site soil conditions.

The other structures are the air-inlet stack, the exhaust stack, and the selective catalytic reduction (SCR) and oxidation catalyst structures. These structures will be designed to conform with Seismic Zone 3 standards.

1.4 PHOTOSIMULATIONS

Figure 1-2a shows the HEPP site before any construction (looking northwest) from Idaho Avenue. Figure 1-2b is a photosimulation that shows the HEPP site after construction of the proposed HEPP plant. Figure 1-2c shows the view before the construction of the 115-kV transmission interconnect looking north from the corner of Jackson and 11th Avenue. Figure 1-2d is a photosimulation that shows the same view after the construction of the 115-kV transmission interconnect.

1.5 FOUNDATIONS

The HEPP plant site is level ground, so only minimal cut-and-fill operations will be needed for the foundations of the plant facility. Any borrow material, if needed, will be obtained from within the GWF site.

The foundation on which the turbines and generator will be installed will be placed on spread footings and will conform with specifications from General Electric for a loading of 476,000 pounds per unit.

1.6 CALIFORNIA BUILDING CODE COMPLIANCE

Construction of all facilities for the HEPP plant will comply with applicable California Building Code(s). The HEPP will also be designed to conform with applicable provisions of the City of Hanford Zoning Ordinance, Public Works Improvement Standards, other applicable City of Hanford ordinances, Public Works Standards and Specifications, and the Performance and Development Standards of the Kings Industrial Park. GWF will coordinate closely with the City of Hanford regarding construction standards and will supply applicable construction plans and specifications as requested by the City.

1.7 PROPOSED OPERATING SCHEDULE

The HEPP plant will typically operate during the months of May through October when the demand for electricity is high. During this six-month period the plant will typically be scheduled to operate 16 hours a day, 6 days a week. In the first year, that is, year 2001, the plant is expected to operate a maximum of approximately 2,000 hours. For the years following 2002–2011 the expected typical operation will be 4,000 hours per year.

1.8 EXPECTED START-UP DATE

The HEPP plant is expected to be on line by September 1, 2001, with the start-up operation scheduled to begin on August 15, 2001.

1.9 PROPOSED LIFE OF PLANT

The HEPP plant will normally be operated each year from May through October, when demand for electric power is highest. On this basis, the life of the HEPP plant is expected to be 10 years in addition to the initial partial (September–December) operation in 2001.

1.10 TRANSMISSION INTERCONNECTION FACILITIES

The HEPP plant will interconnect to the existing Henrietta-Kingsburg 115-kV transmission line owned by Pacific Gas & Electric. The Henrietta-Kingsburg 115-kV line runs east-west along Jackson Avenue approximately one mile south of the HEPP site. The transmission interconnection to the Henrietta-Kingsburg 115-kV line will be the new 1.2-mile double-circuit 115-kV line constructed for the Hanford Electric Park. The 1.2-mile 115-kV line travels west along Idaho Avenue, to 11th Avenue, and then south along 11th Avenue to the proposed point of interconnection near Jackson Avenue and 11th Avenue.

In the HEPP plant power will be generated at 13.8 kV. An overall single-line diagram of the plant's electrical system is shown in Figure 1-3. The 13.8-kV generator output will be connected to an oil-filled transformer, which will increase the voltage to 115 kV. Surge arresters will be provided at the high-voltage bushings to protect the transformer from surges in the 115-kV system caused by lightning strike or other system disturbances. The transformer will be set on concrete pad within containment areas designed to contain the transformer oil in the unlikely event of a spill or leak.

The high-voltage side of the step-up transformer will be connected to the new 1.2-mile overhead transmission line to the existing Henrietta-Kingsburg 115-kV line.

1.11 TRANSMISSION INTERCONNECTION APPLICATION

Transmission interconnection for the proposed HEPP is included as part of the Detailed Facilities Study (DFS) prepared by PG&E and approved by the Cal-ISO for the HEPP.

1.12 DOWNSTREAM TRANSMISSION FACILITIES

The downstream transmission facilities are the proposed 1.2-mile double-circuit 115-kV transmission line that will be constructed as part of the HEPP and the existing 115-kV Henrietta-Kingsburg line owned and operated by PG&E as described in Section 1.10 above and shown in Figure 1-1.

1.13 FUEL INTERCONNECTION FACILITIES

Natural gas for the HEPP plant will be delivered by a new proposed 16-inch gas line that will be constructed as part of the HEPP. The proposed pipeline will run south from Hanford-Armona Road along 11th Avenue to Idaho Avenue and then east on Idaho to the HEPP. The 16-inch pipeline will be interconnected with Southern California Gas Company's line 503 at 11th Avenue and Hanford-Armona Road.

1.14 FUEL INTERCONNECTION APPLICATION

The natural gas fuel requirements for the HEPP have been reviewed by Southern California Gas Company and the pipeline interconnection requirements have been specified as described above.

1.15 WATER REQUIREMENTS AND TREATMENT

The HEPP plant will need 140 gallons per minute of water for its normal operation during May through October. The estimated annual water requirement is 103 acre-feet. The water will be supplied from an existing water supply well located at the GWF cogeneration facility. The water will be used for evaporative cooling in the CTG air in-take, power augmentation in the CTG, and NO_x control in the CTG. The water for CTG power augmentation and NO_x control will be treated with an existing reverse osmosis (RO) and demineralization unit located at the cogeneration facility. Water for the evaporative cooling will be treated by the RO unit only.

1.16 WATER INTERCONNECTION FACILITIES

No new/additional water interconnection is needed.

1.17 SOURCE/QUALITY OF WATER SUPPLY

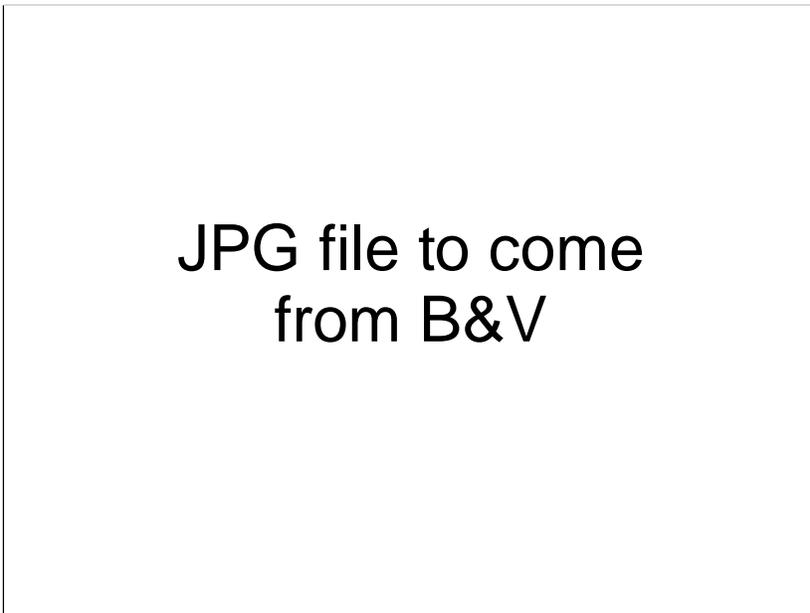
Service water for the proposed HEPP will come from an existing groundwater supply well at the GWF Hanford cogeneration plant. Service water backup will be supplied by the municipal water supply system of the City of Hanford from an existing service connection at the GWF Hanford cogeneration plant.

1.18 WATER SUPPLY AGREEMENT/(ASSURANCE OF SUPPLY)

No water supply agreement is necessary.



**Figure 1-2a.
Proposed HEPP Site before Construction
(Looking North)**



**Figure 1-2b.
Photosimulation of the Proposed HEPP Site after Construction
(Looking North)**



GWF Hanford Energy Park Peaker



Figure 1-2c. Existing Site before Construction of 115-KV Transmission Interconnection as Viewed from the Corner of Jackson Avenue and 11th Avenue (Looking North)



Figure 1-2d. Photosimulation of the PG&E Double-Circuit Loop Configuration after Construction as Viewed from the Corner of Jackson Avenue and 11th Avenue (Looking North)

URS

GWF Hanford Energy Park Peaker

**DATA ADEQUACY SUPPLEMENT B:
SECTION 2 SITE DESCRIPTION**

Instructions:

Replace the existing text of Section 2 of the *Hanford Energy Park Peaker: California Emergency Peaker Power Plant Permit Application* (April 2001) with the attached version of the text of Section 2.

Replace the existing Figure 2-1 with the attached Figure 2-1.

Keep the existing Figure 2-2.

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2.0 SITE DESCRIPTION

The site for the proposed HEPP plant is the 5-acre parcel adjacent to and east of the existing GWF Hanford cogeneration plant immediately to the north of Idaho Avenue. The Burlington Northern & Santa Fe Railway tracks are to the east of the site (see Figure 1-1). The site area is sparsely populated and land use is primarily industrial and agricultural. The nearest residences are approximately 3,500 feet west of the site near the intersection of Idaho Avenue and 10th Avenue. The nearest community is the city of Hanford. The main population areas of the city of Hanford are located to the north of the site. The site is in U.S. Census tract 0012-02 of Kings County, California. As of 1990, the density of population within a three-mile radius of the site was 90 persons per square mile.

2.1 SITE ADDRESS

The street address of the HEPP plant site is 10550 Idaho Avenue, Hanford, CA 93230.

2.2 ASSESSOR'S PARCEL NUMBER

The Kings county assessor's parcel number (APN) of the land where the HEPP plant will be built is 018-242-047.

2.3 SURROUNDING PROPERTY OWNERS

The names and addresses of surrounding property owners within 1,000 feet of the plant site and 500 feet of the linear facilities are given in Tables 2-1 and 2-2. The assessor's parcel numbers (APNs) are also listed in these tables.

2.4 EXISTING SITE USE

The existing site use is industrial.

2.5 EXISTING SITE CHARACTERISTICS

The site is level land with an average elevation of 235 feet above mean sea level.

2.6 SITE LAYOUT

Figure 2-1 is a plot plan showing the layout of the HEPP plant facilities.

2.7 ZONING AND GENERAL PLAN DESIGNATIONS

The HEPP plant site and the linear facilities areas are zoned industrial/agricultural.

2.8 SITE OWNERSHIP

The site of the proposed HEPP plant is owned by GWF Power Systems Company, Inc., the applicant.

2.9 STATUS OF SITE CONTROL

GWF Power Systems Company, Inc., owns the site.

2.10 EQUIPMENT LAYDOWN AREA

The equipment laydown area proposed for the HEPP will be the unused portions of the five-acre parcel east of the existing GWF facility and, as needed, the five-acre parcel located immediately north of the existing GWF facility and the proposed HEPP site.

Table 2-1. Property Owners within 1,000 Feet of HEPP Plant Site and within 50 Feet of Associated Linear Facilities

Assessor's Parcel No.	Property Owner	Address
018-242-054	GWF	8125 12th Ave. Hanford, CA 93230
018-242-004 018-242-025 028-300-029 028-300-030 028-100-019	Burlington Northern & Santa Fe Railroad	P.O. Box 2738 Topeka, KS 66628
018-242-024	Calcot LTD	P.O. Box 259 Bakersfield, CA 93802
018-242-027	Verdegaal Brothers Inc.	13555 S. 11th Ave. Hanford, CA 93230
018-242-045	SRH Enterprises	No address listed.
018-242-047 018-242-048 028-300-035	Pirelli Tire	10701 Idaho Ave. Hanford, CA 93230
018-242-055	Hanford Limited Partnership	City of Hanford
018-242-065	Lakeside Ditch Co.	No address listed.
028-300-013	Wallace R. Clark, Trustee	14541 10th Ave. Hanford, CA 93230
028-300-021	Del Monte Corp.	P.O. Box 193575 San Francisco, CA 94119
028-300-031	Integrated Grain & Milling Inc.	P.O. Box 12556 Fresno, CA 93778
028-300-032	Edward M. Hill	3200 Boxley Valley Rd. Franklin, TX 37064

Table 2-1 (continued)

Assessor's Parcel No.	Property Owner	Address
028-300-036	State Street Bank & Trust, Trustee	P.O. Box 193575 San Francisco, CA 94119
028-100-005	Manuel and Rachael Simas	14540 Jackson Ave. Hanford, CA 93230
028-100-016	Sozinho Family Trust	11447 8 1/2 Ave. Hanford, CA 93230
018-231-034	Helena Chemical Company	P.O. Box 1600 Rowlett, TX 75030-1600
018-231-035	Viking Ready Mix Company	P.O. Box 9129 Fresno, CA 93790
018-231-008	Ronald & Denise Hurt	12250 S. 11th Avenue Hanford, CA 93230
018-231-009	Britz Fertilizers, Inc.	P.O. Box 9050 Fresno, CA 93790
018-231-006	Ralph & Sara Alcala Family	11249 Houston Avenue Hanford, CA 93230
018-231-010	Walker Farms	
018-231-045	William & Priscilla Davis	12908 11th Avenue Hanford, CA 93230
018-231-046	William & Priscilla Davis	
018-232-017	City of Hanford	315 N. Douty Street Hanford, CA 93230
018-232-031	City of Hanford	315 N. Douty Street Hanford, CA 93230
018-232-053	City of Hanford	315 N. Douty Street Hanford, CA 93230

Table 2-1 (continued)

Assessor's Parcel No.	Property Owner	Address
018-232-017	City of Hanford	315 N. Douty Street Hanford, CA 93230
018-121-001	Pacific Gas & Electric Company	
018-121-072	Amberwood Investors	P.O. Box 306 Lewiston, ID 83501
018-122-002	The Cotton Family Trust	P.O. Box 436 Pleasanton, CA 94566
018-122-003	Bennie & Ann Roberts	P.O. Box 1374 Armona, CA 93202
018-122-004	JCH Family Limited Partnership	500 N. Mooney Boulevard Visalia, CA 93274
018-122-021	County of Kings	1400 W. Lacey Boulevard Hanford, CA 93230
018-291-013	Moses A. Jauregui	10990 Malta Street Hanford, CA 93230
018-291-014	Juanita Baez	11125 S. 11th Avenue Hanford, CA 93230
018-291-015	Tony & Ruth Silva	11113 S. 11th Avenue Hanford, CA 93230
018-291-016	John & Paula Murray	11103 S. 11th Avenue Hanford, CA 93230
018-291-017	Luz & Julia Lopez	316 W. 2nd Street Hanford, CA 93230
018-291-018	Jesus & Martha Guillen	11079 S. 11th Avenue Hanford, CA 93230
018-291-019	Billie Rae Smith	P.O. Box 824 Wofford Heights, CA 93285
018-293-001	Tony & Lucy Furtado	585 W. Magnolia Avenue Hanford, CA 93230

Table 2-1 (continued)

Assessor's Parcel No.	Property Owner	Address
018-140-001	Daisy Norton Estate	10975 Thompson Drive Hanford, CA 93230
018-140-051	Rollen & Raeanna Summers	P.O. Box 903 Riverdale, CA 93656
018-140-040	William A. Ship	11341 S. 11th Avenue Hanford, CA 93230
018-140-041	Anthony P. Brandon	10796 Thompson Drive Hanford, CA 93230
018-140-029	Kings Community Action Organization	1222 W. Lacey Boulevard Hanford, CA 93230
018-140-037	Ralph & Janet Hovannisan	P.O. Box 53077/MC FL9-015 02-14 Jacksonville, FL 32256
018-140-036	Larry & Kimber Regan	11443 S. 11th Avenue Hanford, CA 93230
018-140-024	Lino & Maria Martinez	11491 S. 11th Avenue Hanford, CA 93230
018-140-025	Lupe R. Lopez	421 E. 5th Street Hanford, CA 93230
018-140-045	Alex & Dzidra Regenn McQueen	12828 New Bridge Drive Lemoore, CA 93245
018-112-014	Hanford School District	714 N. White Street Hanford, CA 93230
018-112-068	Isauro Flores	11414 S. 11th Avenue Hanford, CA 93230
018-112-069	Ennis Family Investments	409 N. Main Street Hanford, CA 93230
018-112-076	Dennis Sanchez	11300 Houston Avenue Hanford, CA 93230

Table 2-1 (continued)

Assessor's Parcel No.	Property Owner	Address
018-281-001	Maria Cabrera	11511 11th Avenue Hanford, CA 93230
018-281-023	Eunice Soares Newquest	11577 S. 11th Avenue Hanford, CA 93230
018-281-024	Fidel J. Trejo, Sr.	11565 S. 11th Avenue Hanford, CA 93230
018-281-025	Maria Rios	11533 S. 11th Avenue Hanford, CA 93230
018-281-026	Thomas & Clara Stanton	P.O. Box 161 Hanford, CA 93230
018-281-027	Roger & Cindy Aguirre	11529 S. 11th Avenue Hanford, CA 93230
018-281-028	Louie & Vicky Cortez	10994 Beverly Drive Hanford, CA 93230
018-284-001	Walter E. Teel Revocable Living Trust	512 Kaweah Street, Apt. F Hanford, CA 93230
018-452-004	Richard & Marily Maccagno	13971 Walker Street Armona, CA 93202
018-452-005	Robert & Barbara Sainz	236 Tapadero Street Salinas, CA 93906
018-452-006	Richard & Trudy Maletta	11615 Dawn Lane Hanford, CA 93230
018-452-007	Randy & D.K. Davis	8116 S. Villa Fowler, CA 93625
018-452-008	William & Carolyn Musser	11066 Bonney View Lane Hanford, CA 93230
018-302-015	Crystal R. Camara	11071 Hume Avenue Hanford, CA 93230

Table 2-1 (continued)

Assessor's Parcel No.	Property Owner	Address
018-302-016	Melvin & Doris Pastian	11518 Dawn Lane Hanford, CA 93230
018-303-010	Robert Lloyd Living Trust	11564 Dawn Lane Hanford, CA 93230
018-441-005	Bradly & Eloise Willsey	11533 Dawn Lane Hanford, CA 93230
018-441-006	Goretti M. Silva	11541 Dawn Lane Hanford, CA 93230
018-441-007	Leroy & Connie Hilton	11052 Beverly Drive Hanford, CA 93230
018-640-002	Jose M. Quiroz & Claudia M. Chavez	1301 Clay Street, Suite 1300 N. Oakland, CA 94612-5209
018-640-003	Martin & Maria Enriquez	740 Tempe Drive Hanford, CA 93230
018-640-026	Ricardo & Gertrudis Naranjo	1095 Nicole Avenue Hanford, CA 93230
018-640-028	State of California Office of Real Estate	400 "R" Street, Suite 5000 Sacramento, CA 95814-6280
018-730-001	Johnny & Maria Duran	794 Fulton Court Hanford, CA 93230
018-730-002	Ennis Development Corp.	643 N. Westwood Street Porterville, CA 93257
018-730-003	Ennis Development Corp.	643 N. Westwood Street Porterville, CA 93257
018-730-004	Pauline & Lope Parumog	643 N. Westwood Street Porterville, CA 93257
018-740-008	Phillips Construction	300 E. Pine Exeter, CA 93221

Table 2-1 (continued)

Assessor's Parcel No.	Property Owner	Address
018-740-009	Shawn & De Shaunda Hermosillo	1801 Shaver Place Hanford, CA 93230
018-740-010	Phillips Construction	300 E. Pine Exeter, CA 93221
018-740-011	Phillips Construction	300 E. Pine Exeter, CA 93221
018-740-012	Phillips Construction	300 E. Pine Exeter, CA 93221
018-740-013	Phillips Construction	300 E. Pine Exeter, CA 93221
018-740-014	Phillips Construction	300 E. Pine Exeter, CA 93221
018-740-015	Phillips Construction	300 E. Pine Exeter, CA 93221
018-740-016	Phillips Construction	300 E. Pine Exeter, CA 93221
018-700-051	Margaret E. Pame	1107 Nicole Avenue Hanford, CA 93230
018-700-052	Jerry & Barbara Burns	1119 Nicole Avenue Hanford, CA 93230
018-700-053	Amelia Tarazon	1131 Nicole Avenue Hanford, CA 93230
018-700-054	Laura M. Parsons	1143 Nicole Avenue Hanford, CA 93230
018-700-055	Richard & Beverly Cretcher	1155 Nicole Avenue Hanford, CA 93230
018-700-056	Manuel & Maria Ramirez	1167 Nicole Avenue Hanford, CA 93230

Table 2-1 (continued)

Assessor's Parcel No.	Property Owner	Address
018-700-057	Rafael Castorena	P.O. Box 1349 Armona, CA 93202
018-700-058	Esequiel P. Salcedo	1191 Nicole Avenue Hanford, CA 93230
018-700-059	Marla J. Kopinec	1203 Nicole Avenue Hanford, CA 93230
018-710-033	Robert & Ethel Wall	773 Marconi Drive Hanford, CA 93230
018-710-034	Joe & Eva Miller	751 Marconi Drive Hanford, CA 93230
018-710-035	Ennis Development	643 N. Westwood Street Porterville, CA 93257
018-710-126	Ennis Development	643 N. Westwood Street Porterville, CA 93257
018-710-127	Ennis Development	643 N. Westwood Street Porterville, CA 93257
018-710-128	Ennis Development	643 N. Westwood Street Porterville, CA 93257
018-710-129	Jose F. Solorio Trust	1337 Nicole Avenue Hanford, CA 93230
018-710-130	Ennis Development	643 N. Westwood Street Porterville, CA 93257
018-710-131	Ennis Development	643 N. Westwood Street Porterville, CA 93257
018-710-132	Ennis Development	643 N. Westwood Street Porterville, CA 93257
018-710-133	Sadie Escalera	1291 Nicole Avenue Hanford, CA 93230

Table 2-1 (continued)

Assessor's Parcel No.	Property Owner	Address
018-710-134	Ennis Development	643 N. Westwood Street Porterville, CA 93257
018-710-135	Ennis Development	643 N. Westwood Street Porterville, CA 93257
018-710-136	Ennis Development	643 N. Westwood Street Porterville, CA 93257
018-710-137	Ennis Development	643 N. Westwood Street Porterville, CA 93257
018-710-138	Ennis Development	643 N. Westwood Street Porterville, CA 93257

Table 2-2. List of Property Owners Between 50 and 500 Feet of the Linear Facilities Associated with the GWF Hanford Energy Park

APN	Owner's Name	Address
018-311-001	Juanita James	11369 Jones St. Hanford, CA 93230
018-311-002	Cynthia M. Garcia	11381 Jones St. Hanford, CA 93230
018-311-003	Rose Ordonez	11391 Jones St. Hanford, CA 93230
018-311-004	Alice Vargas	11401 Jones St. Hanford, CA 93230
018-311-005	Richard & Ofelia C. Perez	5565 Mesa Rd. Gilroy, CA 95020
018-311-006	Rito & Nocolaza Rodriguez	11419 Jones St. Hanford, CA 93230
018-311-007	Fernando G. Velasquez	11429 Jones St. Hanford, CA 93230
018-311-008	Raymond E. & Lucia R. Garza	11437 Jones St. Hanford, CA 93230
018-311-009	Kenneth D. & Paula Hamilton	11445 Jones St. Hanford, CA 93230
018-311-010	Julio E. B. De Los Santos	11455 Jones St. Hanford, CA 93230
018-311-011	Cenobio & Maria Gutierrez	11465 Jones St. Hanford, CA 93230
018-311-012	Mitchell H. & Maria E. Williams	11473 S. Jones St. Hanford, CA 93230
018-311-013	Sam W. & Dolores B. Moore	11483 S. Jones St. Hanford, CA 93230
018-311-014	Porfirio S. Lara	10862 Hume Ave. Hanford, CA 93230
018-311-015	Eduardo & Maria Mendonca	20554 Fargo Ave. Lemoore, CA 93245
018-510-001	Eleazar E. Salorio	11231 Jones St. Hanford, CA 93230
018-510-002	Moises Salvatierra	11225 Jones St. Hanford, CA 93230
018-510-008	Glen D. & Lupie L. Jackson	713 West Orange St. Hanford, CA 93230
018-510-009	Leona M. Hinton	11193 Jones St. Hanford, CA 93230
018-510-010	Victoria L. Caetano	11175 Jones St. Hanford, CA 93230

Table 2-2 (continued)

APN	Owner's Name	Address
018-510-011	Tony D. & Blanche Xavier	11167 Jones St. Hanford, CA 93230
018-510-017	Joyce E. Brazil	10884 Malta St. Hanford, CA 93230
018-510-018	Theodore & Elena De La Rosa	11125 Jones St. Hanford, CA 93230
018-510-019	Gilbert & Victoria V. Torrez	11103 Jones St. Hanford, CA 93230
018-510-026	Joyce D. Fischer	10876 San Madina Pl. Hanford, CA 93230
018-510-027	Ignacio M. & Teresa M. Castro	11055 Jones St. Hanford, CA 93230
018-510-028	Kit & Tai Kwai Au Yeung	11035 Jones St. Hanford, CA 93230
018-510-035	Javier P. Rios	10878 Moor Ct. Hanford, CA 93230
018-510-039	Anthony & Sharon Thomas C/O Paul & Bonnie McKinzie	10582 Blake St. Garden Grove, CA 92643
018-510-040	Paul & Bonnie McKinzie	10582 Blake St. Garden Grove, CA 92643
018-510-041	Anthony & Sharon Thomas C/O Paul & Bonnie McKinzie	10582 Blake St. Garden Grove, CA 92643
018-510-042	Ralph & Janet Hovannisian	P.O. Box 8558 Fresno, CA 93747
018-690-024	Rosemary P. Solorio	1033 Leslie Ln. Hanford, CA 93230
018-690-025	Henry L. & Ramona K. Robinson Sellers	1045 Leslie Ln. Hanford, CA 93230
018-690-026	Alfredo Martinez	1057 Leslie Ln. Hanford, CA 93230
018-690-027	Lisa Atkinson	1069 Leslie Ln. Hanford, CA 93230
018-690-028	Javier C. & Rosa I. Perez	888 Tempe Dr. Hanford, CA 93230
018-690-029	Scott D. Saunders	880 Tempe Dr. Hanford, CA 93230
018-690-030	Sergio & Rosa Rios	872 Tempe Dr. Hanford, CA 93230
018-690-031	Marcelino S. Sanchez	865 Tempe Dr. Hanford, CA 93230

Table 2-2 (continued)

APN	Owner's Name	Address
018-690-032	Shaen A. & Teresa Decker	873 Tempe Dr. Hanford, CA 93230
018-690-033	Jose A. Jauregui	881 Tempe Dr. Hanford, CA 93230
018-690-034	Glenn A. Viehbeck	889 Tempe Dr. Hanford, CA 93230
018-690-035	Fred Jr. & Terry L. Barton	897 Tempe Dr. Hanford, CA 93230
012-310-011	Roberta D. Horning	820 S. 11 th Ave. Hanford, CA 93230
012-310-012	Raymond B. & Mary Ybarra	110 W. Florinda St. Hanford, CA 93230
012-310-013	Raymond B. & Mary Ybarra	110 W. Florinda St. Hanford, CA 93230
012-310-014	Rose C. Boyd Revocable Trust	2321 Alturas Dr. Bakersfield, CA 93305
012-310-015	Robert E. Boyd	1509 El Portal Bakersfield, CA 93309
012-310-016	Fisher Investment Group LLC	420 E. Murray Visalia, CA 93291
012-310-038	Town & Country Apts. Assoc.	3130 W. Main, Ste. A Visalia, CA 93291
012-310-051	Town & Country Apts. Assoc.	3130 W. Main, Ste. A Visalia, CA 93291
012-310-052	Fisher Investment Group LLC	420 E. Murray Visalia, CA 93291
012-161-020	Sarah Hovannisian Family Trust	5795 E. Butler Ave. Fresno, CA 93727
012-161-021	Ramona Contreras	1413 Amelia Ave. Hanford, CA 93230
012-161-044	Salazar Family Trust	906 S. Williams St. Hanford, CA 93230
012-161-046	Michael & Mona Attalla	1215 S. Central, #9 Visalia, CA 93277
012-161-051	Cochran Properties LLC	1871 Sherer Ln. Glendale, CA 91208
018-231-006	The Ralph & Sara Alcala Family Trust	11249 Houston Ave. Hanford, CA 93230
018-242-001	International Paper	6400 Poplar Ave. Memphis, TN 38197
018-242-042	City of Hanford	315 N. Douty St. Hanford, CA 93230

Table 2-2 (continued)

APN	Owner's Name	Address
018-242-043	Wal-Mart Stores Inc.	Property Tax Dept. #8013 Bentonville, AR 72716-8013
018-242-041	Norwesco Inc.	P.O. Box 439 St. Bonifacius, MN 55375-0439
018-242-031	Crown Dev. Corp. of Kings County	120 N. Irwin St. Hanford, CA 93230
018-242-032	Crown Dev. Corp. of Kings County	120 N. Irwin St. Hanford, CA 93230
018-242-030	SRH Enterprises Inc.	P.O. Box 659 Manteca, CA 95336
018-242-045	Verdegaal Brothers Inc.	13555 11th Ave. Hanford, CA 93230
018-242-046	SRH Enterprises Inc.	P.O. Box 659 Manteca, CA 95336
018-242-047	Community Redev. Agency, City of Hanford	318 N. Douty St. Hanford, CA 93230
018-242-027	Verdegaal Brothers Inc.	13555 11th Ave. Hanford, CA 93230
018-242-048	Community Redev. Agency, City of Hanford	318 N. Douty St. Hanford, CA 93230
018-242-047	Community Redev. Agency, City of Hanford	318 N. Douty St. Hanford, CA 93230
018-112-076	Dennis Sanchez	11300 Houston Ave. Hanford, CA 93230
018-640-027	Manbir Singh	258 E. Cross Tulare, CA 93274
018-640-003	Martin & Maria E. Enriquez	740 Tempe Dr. Hanford, CA 93230
018-640-004	Kathleen Amstutz	760 Tempe Dr. Hanford, CA 93230
018-640-005	Sharon Dias	780 Tempe Dr. Hanford, CA 93230
018-640-006	Eugene E. & Myrna F. Heskett	800 Tempe Dr. Hanford, CA 93230
018-640-007	Tommy G. & Debra D. Griggs	814 Tempe Dr. Hanford, CA 93230
018-640-008	Sherry Canavan	1071 Michele Ct. Hanford, CA 93230
018-640-009	Daniel Jaramillo	1059 Michelle Ct. Hanford, CA 93230

Table 2-2 (continued)

APN	Owner's Name	Address
018-640-010	Marcelino Jr. & Helen Sanchez	1047 Michelle Ct. Hanford, CA 93230
018-640-011	Leonard L. & Judy L. Diaz	1035 Michelle Ct. Hanford, CA 93230
018-640-012	Miguel & Cynthia G. Zenteno	1023 Michele Ct. Hanford, CA 93230
018-640-013	Joe E. & Annie M. Gonzales	1011 Michele Ct. Hanford, CA 93230
018-640-014	Lee & Delilah Collins	1012 Michele Ct. Hanford, CA 93230
018-640-015	Ronald & Dolores Green	1024 Michelle Ct. Hanford, CA 93230
018-640-016	Jose L. Gonzalez	1036 Michelle Ct. Hanford, CA 93230
018-640-017	Servero & Lydia Marcias	1048 Michele Ct. Hanford, CA 93230
018-640-018	Gabriel & Teresa Ferrer	1060 Michele Ct. Hanford, CA 93230
018-640-019	Rafael Rosado	864 Tempe Dr. Hanford, CA 93230
018-640-020	John J. & Shannon M. Gibson	857 Tempe Dr. Hanford, CA 93230
018-640-021	Sandy Medina	843 Tempe Dr. Hanford, CA 93230
018-640-022	Ocwen Federal Bank FSB	1675 Palm Beach Lakes Blvd. West Palm Beach, FL 33401
018-640-023	Juan M. & Victoria A. Sanchez	815 Tempe Dr. Hanford, CA 93230
018-640-024	Kelly L. & Suzanne M. Rose	801 Tempe Dr. Hanford, CA 93230
018-640-025	Ruben & Carolina Maldonado	781 Tempe Dr. Hanford, CA 93230
018-700-005	Joel Flores	898 Euclid Dr. Hanford, CA 93230
018-700-006	Arlene Andre	890 Euclid Dr. Hanford, CA 93230
018-700-007	David A. & Gleceria Kohls	882 Euclid Dr. Hanford, CA 93230
018-700-008	William A. & Maria Y. Rodas	874 Euclid Dr. Hanford, CA 93230
018-700-009	Jose M. & Beatriz Ramirez	866 Euclid Dr. Hanford, CA 93230

Table 2-2 (continued)

APN	Owner's Name	Address
018-700-010	David L. & Marguerite L. Sanchez	858 Euclid Dr. Hanford, CA 93230
018-700-011	Bobby J. Jr. & Ruthie A. Barnes	844 Euclid Dr. Hanford, CA 93230
018-700-012	Dwayne O. & Amanda Sparks Auernheimer	830 Euclid Dr. Hanford, CA 93230
018-700-013	Matthew N. & Lisa A. Robinstein	816 Euclid Dr. Hanford, CA 93230
018-700-014	Carmen R. Hernandez	783 Euclid Dr. Hanford, CA 93230
018-700-015	Tod M. & Veronica Grever	782 Euclid Dr. Hanford, CA 93230
018-700-016	Carmen Hernandez	783 Euclid Dr. Hanford, CA 93230
018-700-017	Brandon Clement	803 Euclid Dr. Hanford, CA 93230
018-700-018	Ronald D. & Maggie Woodhouse	817 Euclid Dr. Hanford, CA 93230
018-700-019	Larry W. & Donna M. Moore	831 Euclid Dr. Hanford, CA 93230
018-700-020	Donna Osterbuhr	845 Euclid Dr. Hanford, CA 93230
018-700-021	Jose Avila	859 Euclid Dr. Hanford, CA 93230
018-700-022	Elena Y. Vega	867 Euclid Dr. Hanford, CA 93230
018-700-023	Gregory & Roselyn Blake	875 Euclid Dr. Hanford, CA 93230
018-700-024	Virginia E. Bersamen	883 Euclid Dr. Hanford, CA 93230
018-700-025	Aaron & Lisa Odland	891 Euclid Dr. Hanford, CA 93230
018-700-026	Elenin & Irma Hernandez Cortez	899 Euclid Dr. Hanford, CA 93230
018-700-040	Steven R. & Maria L. Kiefer	900 Davinci St. Hanford, CA 93230
018-700-041	Daniel D. & Velia S. Castillo	892 Davinci St. Hanford, CA 93230
018-700-042	John J. & Barbara L. Rahl	884 Davinci St. Hanford, CA 93230
018-700-043	Lupe R. & Rosa M. Garcia	876 Davinci St. Hanford, CA 93230

Table 2-2 (continued)

APN	Owner's Name	Address
018-700-044	Anthony Adkins	868 Davinci St. Hanford, CA 93230
018-700-045	Gustie T. & Theresa M. Compton	860 Davinci St. Hanford, CA 93230
018-700-046	Cora A. Thomas	846 Davinci St. Hanford, CA 93230
018-700-047	Robert M. & Estrellita R. Anderson	832 Davinci St. Hanford, CA 93230
018-700-048	Larry & Karen Wann	818 Davinci St. Hanford, CA 93230
018-700-049	Terry L. & Marguerite C. Davis	804 Davinci St. Hanford, CA 93230
018-700-050	Roth E. & Deborah M. Schilling	784 Davinci St. Hanford, CA 93230
018-700-060	Jimmy L. & Marchell L. Moore	785 Davinci St. Hanford, CA 93230
018-700-061	Pantaleon D. Rivera III	805 Davinci St. Hanford, CA 93230
018-700-062	Bernardo B. & Elsa S. Baso	819 Davinci St. Hanford, CA 93230
018-700-063	Ramon & Noemi Ramirez	833 Davinci St. Hanford, CA 93230
018-700-064	John Jr. & Susan Ronquillo	847 Davinci St. Hanford, CA 93230
018-700-065	Genoveva Rodriguez	861 Davinci St. Hanford, CA 93230
018-700-066	Eric C. & Lorena T. Jones	869 Davinci St. Hanford, CA 93230
018-700-067	Adolfo & Maria R. Velazquez	877 Davinci St. Hanford, CA 93230
018-700-068	Kenneth W. Slajer	885 Davinci St. Hanford, CA 93230
018-700-069	Herbert C. & Mary A. Tyler	893 Davinci St. Hanford, CA 93230
018-700-070	David & Jennifer Holiday	901 Davinci St. Hanford, CA 93230
018-710-019	Cruz J. & Shiela H. Martinez	903 Marconi Dr. Hanford, CA 93230
018-710-020	Manuel C. Vallejo	891 Marconi Dr. Hanford, CA 93230
018-710-021	Manuel & Emelia Espinoza	883 Marconi Dr. Hanford, CA 93230

Table 2-2 (continued)

APN	Owner's Name	Address
018-710-022	Steve Mendoza	875 Marconi Dr. Hanford, CA 93230
018-710-023	Michael P. & Michelle A. Ramirez	867 Marconi Dr. Hanford, CA 93230
018-710-024	Ruben Z. Esparza	861 Marconi Dr. Hanford, CA 93230
018-710-025	Hilda Galindo	855 Marconi Dr. Hanford, CA 93230
018-710-026	Alan E. Fish	847 Marconi Dr. Hanford, CA 93230
018-710-027	John J. & Bonnie J. Maguire	3506 E. Hillcrest Dr. Visalia, CA 93292
018-710-028	Leonard & Maureen Avedisian	829 Marconi Dr. Hanford, CA 93230
018-710-029	Jeff & Alice Parrish	1394 Dawn Ln. Hanford, CA 93230
018-710-030	Ennis Development Corp.	643 N. Westwood St. Porterville, CA 93257
018-710-031	Danney & Teresa Robison	795 Marconi Dr. Hanford, CA 93230
018-710-032	Margarita Castellanos	781 Marconi Dr. Hanford, CA 93230
018-710-033	Robert L. & Ethel E. Wall	773 Marconi Dr. Hanford, CA 93230
018-710-036	Francisco G. Alcalan	792 Marconi Dr. Hanford, CA 93230
018-710-037	James H. & Ellen M. Jackson	802 Marconi Dr. Hanford, CA 93230
018-710-038	George Lepe	816 Marconi Dr. Hanford, CA 93230
018-710-039	Eric & Sara Sherron	824 Marconi Dr. Hanford, CA 93230
018-710-040	Ennis Development Corp.	643 N. Westwood St. Porterville, CA 93257
018-710-041	Vincent & Cheryl A. Di Primo	842 Marconi Dr. Hanford, CA 93230
018-710-042	Ennis Development Corp.	643 N. Westwood St. Porterville, CA 93257
018-710-043	Nathaniel & Helene Houston	856 Marconi Dr. Hanford, CA 93230
018-710-044	Ennis Development Corp.	643 N. Westwood St. Porterville, CA 93257

Table 2-2 (continued)

APN	Owner's Name	Address
018-710-045	Anthony R. & Samantha L. Sanders	870 Marconi Dr. Hanford, CA 93230
018-710-046	Ennis Development Corp.	643 N. Westwood St. Porterville, CA 93257
018-710-047	Isabel & Rena Medina	888 Marconi Dr. Hanford, CA 93230
018-710-048	Joel J. Rodriguez	898 Marconi Dr. Hanford, CA 93230
018-710-049	Raul & Bertha A. Munoz	895 Isaac Newton Dr. Hanford, CA 93230
018-710-050	James R. & Sylvia I. Guerrero	896 Isaac Newton Dr. Hanford, CA 93230
018-710-051	Kenneth R. & Annie A. Glaspie	897 Pasteur St. Hanford, CA 93230
018-710-052	Rogelio Ramos	898 Pasteur St. Hanford, CA 93230
018-710-078	Ennis Development Corp.	643 N. Westwood St. Porterville, CA 93257
018-710-079	George D. Reams	882 Pasteur St. Hanford, CA 93230
018-710-080	Ennis Development Corp.	643 N. Westwood St. Porterville, CA 93257
018-710-081	Leslie Proctor	870 Pasteur St. Hanford, CA 93230
018-710-082	Juan Becerra	860 Pasteur St. Hanford, CA 93230
018-710-083	Ennis Development Corp.	643 N. Westwood St. Porterville, CA 93257
018-710-084	Ennis Development Corp.	643 N. Westwood St. Porterville, CA 93257
018-710-085	Jesus & Veronica Suarez	840 Pasteur St. Hanford, CA 93230
018-710-086	Daniel & Kimberly M. Jimenez	828 Pasteur St. Hanford, CA 93230
018-710-087	Saul & Rosalena Ortega	820 Pasteur St. Hanford, CA 93230
018-710-088	Gary & Sherry L. Zimmerman	806 Pasteur St. Hanford, CA 93230
018-710-089	Ezequiel R. & Rita S. Paredes	796 Pasteur St. Hanford, CA 93230
018-710-090	Ricardo Rubio	795 Pasteur St. Hanford, CA 93230

Table 2-2 (continued)

APN	Owner's Name	Address
018-710-091	Ennis Development Corp.	643 N. Westwood St. Porterville, CA 93257
018-710-092	Ronnie & Dana Hyde	821 Pasteur St. Hanford, CA 93230
018-710-093	Ennis Development Corp.	643 N. Westwood St. Porterville, CA 93257
018-710-094	Juan B. & Martha Silva	845 Pasteur St. Hanford, CA 93230
018-710-095	Hector Pulido Jr.	851 Pasteur St. Hanford, CA 93230
018-710-096	Samuel J. & Brandi A. Crippen	863 Pasteur St. Hanford, CA 93230
018-710-097	John & Mireya Russo	869 Pasteur St. Hanford, CA 93230
018-710-098	Lorena Trovato	875 Pasteur St. Hanford, CA 93230
018-710-099	George H. & Martha A. Lopez	879 Pasteur St. Hanford, CA 93230
018-710-100	Abel & Maria Rodriguez	881 Pasteur St. Hanford, CA 93230
018-710-101	Marinette G. Arzadon	889 Pasteur St. Hanford, CA 93230
018-710-102	Nedra Church	892 Isaac Newton Dr. Hanford, CA 93230
018-710-103	Jaime A. & Teresa E. Lopez	886 Isaac Newton Dr. Hanford, CA 93230
018-710-104	Matt A. & Kimberly D. George	876 Isaac Newton Dr. Hanford, CA 93230
018-710-105	Jose A. & Teresa Linan	866 Isaac Newton Dr. Hanford, CA 93230
018-710-106	Libby A. Jameson	858 Isaac Newton Dr. Hanford, CA 93230
018-710-107	Avelino C. III & Christine Barcellos	850 Isaac Newton Dr. Hanford, CA 93230
018-710-108	Daniel & Jennifer Ulery	844 Isaac Newton Dr. Hanford, CA 93230
018-710-109	Cynthia Nesci	838 Isaac Newton Dr. Hanford, CA 93230
018-710-110	Peter Jr. & Cecelia Casillas	826 Isaac Newton Dr. Hanford, CA 93230
018-710-111	Ennis Development Corp.	643 N. Westwood St. Porterville, CA 93257

Table 2-2 (continued)

APN	Owner's Name	Address
018-710-112	Ennis Development Corp.	643 N. Westwood St. Porterville, CA 93257
018-710-113	Aristotle R. Punla	794 Isaac Newton Dr. Hanford, CA 93230
018-710-114	Joseph Jr. & Maxine Sims	793 Isaac Newton Dr. Hanford, CA 93230
018-710-115	Ennis Development Corp.	643 N. Westwood St. Porterville, CA 93257
018-710-116	Manuel J. & Angela Almeida	817 Isaac Newton Dr. Hanford, CA 93230
018-710-117	Yolanda Rios & Jesus Gonzalez Rios	825 Isaac Newton Dr. Hanford, CA 93230
018-710-118	Jorge & Guadalupe Arias	837 Isaac Newton Dr. Hanford, CA 93230
018-710-119	Fred Wills	843 Isaac Newton Dr. Hanford, CA 93230
018-710-120	Ennis Development Corp.	643 N. Westwood St. Porterville, CA 93257
018-710-121	Rigoberto & Socorro Equihua	857 Isaac Newton Dr. Hanford, CA 93230
018-710-122	Vicente & Angelica Covarrubias	865 Isaac Newton Dr. Hanford, CA 93230
018-710-123	Jose Solorio	877 Isaac Newton Dr. Hanford, CA 93230
018-710-124	Martin & Maria C. Esparza	885 Isaac Newton Dr. Hanford, CA 93230
018-710-125	Ennis Development Corp.	643 N. Westwood St. Porterville, CA 93257
018-302-009	Raymond B. & Mary V. Ybarra	110 W. Florinda St. Hanford, CA 93230
018-302-022	Martin D. Ortiz	11158 Kay Ln. Hanford, CA 93230
018-303-004	Oscar R. & Barbara J. Casarez	11151 Kay Ln. Hanford, CA 93230
018-303-005	John P. & Roberta Silva	11137 Kay Ln. Hanford, CA 93230
018-303-006	Deangelo D. Sumaya	11123 Kay Ln. Hanford, CA 93230
018-303-007	Jose L. & Margaret M. Parreira	18081 17th Ave. Lemoore, CA 93245
018-303-008	The Simon Revocable Living Trust	11095 Kay Ln. Hanford, CA 93230

Table 2-2 (continued)

APN	Owner's Name	Address
018-303-009	John & Dorothy D. Horn	11081 Kay Ln. Hanford, CA 93230
018-303-010	Robert J. W. Lloyd Living Trust	11564 Dawn Ln. Hanford, CA 93230
018-441-004	Willard R. & Patricia A. Reynolds	11517 Dawn Ln. Hanford, CA 93230
018-441-008	Manuel A. & Evelina B. Rodrigues	11068 Beverly Dr. Hanford, CA 93230
018-441-009	Louis E. & Mary F. Duran	11555 Dawn Ln. Hanford, CA 93230
018-442-003	Richard L. & Norma J. Kelly	11164 Beverly Dr. Hanford, CA 93230
018-442-004	Manuel G. & Deanne L. Romero	11152 Beverly Dr. Hanford, CA 93230
018-442-005	Dora Gonzales	11136 Beverly Dr. Hanford, CA 93230
018-442-006	Manuel & Evelina B. Rodrigues	11068 Beverly Dr. Hanford, CA 93230
018-442-007	Jess M. & Tanya L. Cantu	11110 Beverly Dr. Hanford, CA 93230
018-442-008	Keyes Family Trust	11102 Beverly Dr. Hanford, CA 93230
018-442-009	Manuel S. & Ana M. Fontes	5529 S. Polk Fresno, CA 93706
018-442-010	Benjamin A. & Gloria N. Garcia	P.O. Box 680 Jamestown, CA 95327
018-740-001	Phillips Construction	300 E. Pine Exeter, CA 93221
018-740-002	Phillips Construction	300 E. Pine Exeter, CA 93221
018-740-003	Phillips Construction	300 E. Pine Exeter, CA 93221
018-740-004	Phillips Construction	300 E. Pine Exeter, CA 93221
018-740-005	Phillips Construction	300 E. Pine Exeter, CA 93221
018-740-006	Phillips Construction	300 E. Pine Exeter, CA 93221
018-740-007	Phillips Construction	300 E. Pine Exeter, CA 93221
018-740-017	Phillips Construction	300 E. Pine Exeter, CA 93221

Table 2-2 (continued)

APN	Owner's Name	Address
018-740-018	Phillips Construction	300 E. Pine Exeter, CA 93221
018-740-019	Phillips Construction	300 E. Pine Exeter, CA 93221
018-740-020	Phillips Construction	300 E. Pine Exeter, CA 93221
018-740-021	Phillips Construction	300 E. Pine Exeter, CA 93221
018-740-022	Phillips Construction	300 E. Pine Exeter, CA 93221
018-740-023	Phillips Construction	300 E. Pine Exeter, CA 93221
018-740-024	Phillips Construction	300 E. Pine Exeter, CA 93221
018-740-025	Phillips Construction	300 E. Pine Exeter, CA 93221
018-740-026	Phillips Construction	300 E. Pine Exeter, CA 93221
018-740-027	Phillips Construction	300 E. Pine Exeter, CA 93221
018-740-028	Phillips Construction	300 E. Pine Exeter, CA 93221
018-740-029	Phillips Construction	300 E. Pine Exeter, CA 93221
018-740-030	Phillips Construction	300 E. Pine Exeter, CA 93221
018-740-031	Phillips Construction	300 E. Pine Exeter, CA 93221
018-740-032	Phillips Construction	300 E. Pine Exeter, CA 93221
018-740-033	Phillips Construction	300 E. Pine Exeter, CA 93221
018-740-034	Phillips Construction	300 E. Pine Exeter, CA 93221
018-740-035	Phillips Construction	300 E. Pine Exeter, CA 93221
018-740-036	Phillips Construction	300 E. Pine Exeter, CA 93221
018-740-037	Jarod L. & Nicole Cook	1845 Saddleback Pl. Hanford, CA 93230
018-740-038	Phillips Construction	300 E. Pine Exeter, CA 93221

Table 2-2 (continued)

APN	Owner's Name	Address
018-740-039	Phillips Construction	300 E. Pine Exeter, CA 93221
018-452-002	Robert C. & Barbara M. Sainz	236 Tapadero St. Salinas, CA 93906
018-452-003	Richard F. & Marilyn J. Maccagno	13971 Walker St. Armona, CA 93202
018-452-009	Kim M. & Renee L. Emling	11078 Bonnyview Ln. Hanford, CA 93230
018-452-010	James & Patricia Elder	5312 High Canyon Trail N.E. Albuquerque, NM 87110
018-451-003	Ozena Floyd	307 E. Niles Fresno, CA 93710
018-451-004	Robert F. & Sheila K. Shoemaker	11149 Beverly Dr. Hanford, CA 93230
018-451-005	Drew Family Trust c/o Mr. & Mrs. Richard G. Drew	11133 Beverly Dr. Hanford, CA 93230
018-451-006	Frank H. & Anna M. Castanon	11119 Beverly Dr. Hanford, CA 93230
018-451-007	Ronald & Alicia Braly	11107 Beverly Dr. Hanford, CA 93230
018-451-008	Connie M. Hudson	11091 Beverly Dr. Hanford, CA 93230
018-451-009	Roaul A. & Sabrina Rapozo	11572 Dawn Ln. Hanford, CA 93230
018-451-010	Charles M. Buono Jr.	11580 Dawn Ln. Hanford, CA 93230
018-451-011	Mark F. & Paulette P. Watkins	11594 Dawn Ln. Hanford, CA 93230
018-451-012	Frederic M. & Suzanne L. Douglas	P.O. Box 1533 Layton, UT 84041-1533
018-451-013	Robert J. Gonzales	11630 Dawn Ln. Hanford, CA 93230
018-451-014	Robert A. & Barbara J. Garcia	11104 Bonney View Ln. Hanford, CA 93230
018-451-015	Lawrence C. & Lois M. Johnson	11108 Bonney View Ln. Hanford, CA 93230
018-451-016	Stephen D. & Bernadeth J. Takacs	Navtechtrau General Delivery P.O. Box 2000 Keesler Air Force Base Mississippi 39534-2498
018-451-017	Wang Cha & Soua Thao Yang	11134 Bonney View Ln. Hanford, CA 93230

Table 2-2 (continued)

APN	Owner's Name	Address
018-451-018	Daniel A. & Barbara C. Costa	11150 Bonney View Ln. Hanford, CA 93230
018-451-019	Jess G. & Stella Padilla	11162 Bonney View Ln. Hanford, CA 93230
018-453-005	Shadie D. & Frances E. East	11151 Bonney View Ln. Hanford, CA 93230
018-453-006	Max K. & Charlene S. Buchmiller	8954 1/2 Cherry Ave. Orangevale, CA 95662
018-453-007	James E. & Joan M. Adams	11119 Bonney View Ln. Hanford, CA 93230
018-453-008	Thomas C. & Twila J. Runkle	11105 Bonney View Ln. Hanford, CA 93230
018-453-009	Duane Vryhof	11090 Evergreen Ln. Hanford, CA 93230
018-453-010	Jimmy W. & Wanda N. Smith	11108 Evergreen Ln. Hanford, CA 93230
018-453-011	The Family Trust of Frank & Fusae Waite	11122 Evergreen Ln. Hanford, CA 93230
018-453-012	Philip G. & Betty S. Howard	901 Middleridge Ct. Orange Court, FL 32073
018-453-013	Richard E. & Connie J. Juhnke	11152 Evergreen Ln. Hanford, CA 93230
018-453-014	Richard A. & Lynn Norton	11160 Evergreen St. Hanford, CA 93230
018-454-005	Joao H. & Maria J. Ficher	11163 Evergreen Ln. Hanford, CA 93230
018-454-006	Philip T. & Deborah J. Rumery	11149 Evergreen Ln. Hanford, CA 93230
018-454-007	Neng Lee	11131 Evergreen Ln. Hanford, CA 93230
018-454-008	Gabriel & Maria Oliveira	11125 Evergreen Ln. Hanford, CA 93230
018-454-009	Diane Tew	11115 Evergreen Ln. Hanford, CA 93230
018-454-010	Raymond & Betty Tabarez	11101 Evergreen Ln. Hanford, CA 93230
018-454-011	William & Kathy Yang	11091 Evergreen Ln. Hanford, CA 93230
018-454-012	John R. & Carolyn Paulsen	11071 Bonney View Ln. Hanford, CA 93230
018-454-013	Hubert & Betty Sutherland	11051 Bonney View Ln. Hanford, CA 93230

Table 2-2 (continued)

APN	Owner's Name	Address
018-140-004	Jim Curley	Star Route 1 Box 138 Allensworth, CA 93219
018-140-005	Rosa Lindholm	32798 Road 92 Visalia, CA 93291
018-140-006	Jose C. & Virginia Torres	11360 Jones St. Hanford, CA 93230
018-140-007	Joel Gandarilla	11368 Jones St. Hanford, CA 93230
018-140-008	Massey D. Butler	P.O. Box 1150 Armona, CA 93202
018-140-009	Maebelle & Charles T. Benningfield	11422 Jones St. Hanford, CA 93230
018-140-010	Patrick H. & Christine A. Ehram	11436 Jones St. Hanford, CA 93230
018-140-012	Troy O. & Lola M. Rowe	11468 Jones St. Hanford, CA 93230
018-140-013	Ruth Aspeitia	704 S. Irwin St. Hanford, CA 93230
018-140-014	Tony Travalini Estate c/o Helen Cowan	609 S. 11th Ave. Hanford, CA 93230
018-140-015	Kenneth W. Goff	675 E. Taylor Sunnyvale, CA 94086
018-140-017	Juan O. & Dolores Medina	11495 S. 11th Ave. Hanford, CA 93230
018-140-018	Kenneth W. & Carol J. Evans	11441 S. 11th Ave. Hanford, CA 93230
018-140-019	Kenneth W. & Carol J. Evans	11441 S. 11th Ave. Hanford, CA 93230
018-140-020	Patrick H. & Christine A. Ehram	11436 Jones St. Hanford, CA 93230
018-140-021	Kathleen Young	11435 S. 11th Ave. Hanford, CA 93230
018-140-023	Anthony & Raquel Garcia	2114 Cross St. La Canada, CA 91001
018-140-031	Glenda Stucker	8516 21st Ave. Lemoore, CA 93245
018-140-038	Juana G. Roach c/o Jesse G. Roach	1017 E. Orchard St. Santa Paula, CA 93060
018-140-039	Robert E. & Kelly E. Ivey	10923 Thompson Dr. Hanford, CA 93230
018-140-042	Raul P. & Georgina B. Luna	11497 S. 11th Ave. Hanford, CA 93230

Table 2-2 (continued)

APN	Owner's Name	Address
018-140-043	William C. & Kathy H. Yang	11499 S. 11th Ave. Hanford, CA 93230
018-140-044	Dzidra E. Regennitter	12828 Newbridge Ave. Lemoore, CA 93245
018-140-045	Alex McQueen & Dzidra Regennitter	12828 New Bridge Dr. Lemoore, CA 93245
018-140-047	The Kjeldergaard Revocable Living Trust	5906 Jumilla Ave. Woodland Hills, CA 91367
018-140-048	Gordon L. & E.A. Kjeldergaard	P.O. Box 1701 Mariposa, CA 95338
018-140-049	Gordon L. & E.A. Kjeldergaard	P.O. Box 1701 Mariposa, CA 95338
018-140-050	Manuel Sr. & Mary H. Gonzales	11444 Jones St. Hanford, CA 93230
018-140-052	Darryl L. Hitchman	P.O. Box 1282 Hanford, CA 93230
018-282-001	John G. & Evelyn C. Cardoza	10931 Hume Ave. Hanford, CA 93230
018-282-002	Kathleen M. Soper	P.O. Box 828 Hanford, CA 93230
018-282-003	Francisco Aguilar	10907 Hume Ave. Hanford, CA 93230
018-282-004	Ruben D. & Elenita D. Velasco	10895 Hume Ave. Hanford, CA 93230
018-282-005	Elsie P. Kennedy	1160 Cypress Ln. Lemoore, CA 93245
018-282-006	The Ritchie Revocable Family Trust	P.O. Box 38 Hanford, CA 93230
018-282-007	Jay R. & Catherine Willis	10859 Hume Ave. Hanford, CA 93230
018-282-020	Gerry L. Young	10852 Abby Ln. Hanford, CA 93230
018-282-021	John L. & Clora M. Washington	904 W. Pebble Dr. Hanford, CA 93230
018-282-022	Beatrice Rocha	10876 Abby Ln. Hanford, CA 93230
018-282-023	Joe & Janice E. Giron	10888 Abby Ln. Hanford, CA 93230
018-282-024	Rogelio Garcia	10900 Abby Ln. Hanford, CA 93230
018-282-025	Dawn L. Carter	10912 Abby Ln. Hanford, CA 93230

Table 2-2 (continued)

APN	Owner's Name	Address
018-282-026	Margarito & Evangelina Martinez	10924 Abby Ln. Hanford, CA 93230
018-284-001	Walter E. Teel Revoc. Living Trust	512 Kaweah St., Apt. F Hanford, CA 93230
018-284-002	Manuel & Emitteria Leon	10981 Beverly Dr. Hanford, CA 93230
018-284-003	Joao & Dolores Oliveira	10965 Beverly Dr. Hanford, CA 93230
018-284-004	Oliver C. Bergren	10953 Beverly Dr. Hanford, CA 93230
018-284-005	David L. & Nancy L. Reeves	11273 Christie Cir. Armona, CA 93202
018-284-006	Gary C. & Linda M. Northum	145 W. Amber Way Hanford, CA 93230
018-284-007	Ronald & Tina Torres	10919 Beverly Dr. Hanford, CA 93230
018-284-008	Robert R. & Margaret C. Garcia	10907 Beverly Dr. Hanford, CA 93230
018-284-009	Miguel A.G. Munoz	10895 Beverly Dr. Hanford, CA 93230
018-284-010	Jess A. & Mary H. Mendez	2254 Kensington Way Hanford, CA 93230
018-281-002	Juan G. & Esperanza R. Velarde	10973 Hume Ave. Hanford, CA 93230
018-281-016	Manuel C. & Rosa M. Ochoa	10859 Abby Ln. Hanford, CA 93230
018-281-029	Hector C. & Juanita Carmona	2117 Cottonwood Ct. Hanford, CA 93230
018-281-030	Secretary of Housing & Urban Dev. c/o Golden Feather Realty Ser.	1600 Sacramento Inn Way, #220 Sacramento, CA 95815
018-281-031	David N. Estrella	10948 Beverly Dr. Hanford, CA 93230
018-281-032	Pascual V. & Socorro R. Gonzalez	10936 Beverly Dr. Hanford, CA 93230
018-281-033	Carlos Callente	10924 Beverly Dr. Hanford, CA 93230
018-281-034	Pedro R. Arredondo	10912 Beverly Dr. Hanford, CA 93230
018-281-035	Eddie & Irene Brieno	1700 Muscat Pl. Hanford, CA 93230
018-281-036	Refugio M. Jimenez	10888 Beverly Dr. Hanford, CA 93230

Table 2-2 (continued)

APN	Owner's Name	Address
018-281-037	Mike & Irene Jimenez	10876 Beverly Dr. Hanford, CA 93230
018-281-038	Eddie & Irene Brieno	1700 Muscat Pl. Hanford, CA 93230
018-281-039	Refugio M. & Socorro Silva	10852 Beverly Dr. Hanford, CA 93230
018-283-017	Rita L. Flores	10857 Beverly Dr. Hanford, CA 93230
018-291-001	Virginia A. Huston	11080 Jones St. Hanford, CA 93230
018-291-002	Robert P. & Sylvia N. Jimenez	458 Camas Ave. San Jose, CA 95116
018-291-003	John N. Lopez	10912 San Madina Dr. Hanford, CA 93230
018-291-004	Charles C. De Gruchy	10924 San Medina Dr. Hanford, CA 93230
018-291-005	Edward & Rose Garcia	10936 San Madina Dr. Hanford, CA 93230
018-291-006	Beatrice Poblano	10944 San Madina Dr. Hanford, CA 93230
018-291-007	Thomas W. & Clara S. Stanton Family Trust c/o Joe Rosenthal	P.O. Box 161 Hanford, CA 93230
018-291-008	Thomas W. & Asta Sippel Trustees	38 Oleander Ave. Lemoore, CA 93245
018-291-009	Goldsmith Revocable Living Trust	11106 San Madina Dr. Hanford, CA 93230
018-291-010	Steven J. & Pamela J. Yanes	2360 Magnolia Ct. Hanford, CA 93230
018-291-012	Isabel Martinez	10960 Malta St. Hanford, CA 93230
018-292-001	Timothy B. & Diane M. Dias	11113 San Madina Dr. Hanford, CA 93230
018-292-002	Robert L. Atencio	10921 San Madina Dr. Hanford, CA 93230
018-292-003	Deborah Grainger-Hooper	10909 San Madina Dr. Hanford, CA 93230
018-292-004	Carlos & Fatima Garcia	10899 San Madina Dr. Hanford, CA 93230
018-292-005	Henry H. & Lucy S. Galindo	11110 Jones St. Hanford, CA 93230
018-292-006	Gil & Deolinda Barreiro	12248 S. 10th Ave. Hanford, CA 93230

Table 2-2 (continued)

APN	Owner's Name	Address
018-292-007	Ramon Puga	10902 Malta St. Hanford, CA 93230
018-292-008	Ramiro J. & Maria Mosqueda	10912 Malta Dr. Hanford, CA 93230
018-292-009	Joe Mendoza	10924 Malta St. Hanford, CA 93230
018-292-010	Andrew Sr. & Olivia R. Perez	11123 San Medina Dr. Hanford, CA 93230
018-293-002	Michael N. & Joyce L. Clark	1022 Old Canyon Rd. Fremont, CA 94536
018-293-003	Daniel J. McCord	10965 Malta St. Hanford, CA 93230
018-293-004	Jose L. Peralta	10953 Malta St. Hanford, CA 93230
018-293-005	Peter & Clarita A. Giron	10943 Malta St. Hanford, CA 93230
018-293-006	Joseph V. Lopez	10933 Malta Dr. Hanford, CA 93230
018-293-007	Alfredo & Alma Gonzalez	10921 Malta St. Hanford, CA 93230
018-293-008	Juan M. Lopez	10909 Malta St. Hanford, CA 93230
018-293-009	Antonio A. Rodriquez	10899 Malta St. Hanford, CA 93230
018-293-010	Leon & Lucia Pereira	11166 Jones St. Hanford, CA 93230

**DATA ADEQUACY SUPPLEMENT B:
SECTION 3 CONSTRUCTION DESCRIPTION**

Instructions:

Replace the existing text of Section 3 of the *Hanford Energy Park Peaker: California Emergency Peaker Power Plant Permit Application* (April 2001) with the attached version of the text of Section 3.

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3.0 CONSTRUCTION DESCRIPTION

Standard, traditional construction methods will be used to construct the Hanford Energy Park Peaker (HEPP) plant.

3.1 CONSTRUCTION SCHEDULE

Construction of the plant is scheduled to start on May 15, 2001. It is expected that construction will be complete by August 15, 2001. Start-up operation is scheduled to begin on August 2, 2001, and the plant is expected to be on line by September 1, 2001.

3.2 WORKFORCE REQUIREMENTS

The HEPP plant will be operated during May through October of each year by existing personnel from GWF's Hanford cogeneration plant. Thus, the workforce requirement during operation is none.

The peak workforce required during construction is expected to be less than 89.

**DATA ADEQUACY SUPPLEMENT B:
SECTION 6 NOISE**

Instructions:

Replace the existing text of Section 6 of the *Hanford Energy Park Peaker: California Emergency Peaker Power Plant Permit Application* (April 2001) with the attached version of the text of Section 6.

Keep the existing Figure 6-1.

Keep the existing Exhibit 6A.

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6.0 NOISE

An assessment of the potential noise impacts associated with the Hanford Energy Park Peaker (HEPP) is presented in this section. In May 2000, GWF Power Systems Company (GWF) applied to the California Energy Commission for permission to construct and operate a 98.7-megawatt (MW) combined-cycle power plant in its Hanford Energy Park (HEP) facility under the Small Power Plant Exemption (SPPE) provision. The 95-MW HEPP plant will be a simple-cycle plant located on the same parcel of land. Section 8.5 of the May 2000 SPPE application by GWF for the HEP contains extensive information on the existing noise environment and potential noise pollution and mitigation. Since this information is relevant to the HEPP, Section 8.5 of the SPPE application is included as Exhibit 6A. Figure 8.5-1 on page 8.5-7 of Exhibit 6A has been revised and is included as Figure 6-1. Figure 6-1 should be consulted whenever Figure 8.5-1 is cited in Exhibit 6A.

6.1 LOCAL NOISE REQUIREMENTS

The City of Hanford and Kings County have established noise regulations for industrial uses. These regulations address noise emission from an industrial facility at its property line and at noise-sensitive uses in the vicinity of the facility. These city and county noise standards for industrial facility are listed in the table on page 8.5-4 of Exhibit 6A.

6.2 NEAREST SENSITIVE RECEPTORS

Figure 6-1 is a map showing the HEPP and its surrounding area. Referring to Figure 6-1, the nearest noise-sensitive (residential) receptors are located to the northeast and southeast of the HEPP plant site on 10th Avenue. More distant sensitive receptors are to the northwest on 11th Avenue and a considerable distance to the south on 10th Avenue.

6.3 PROJECT NOISE LEVEL

The individual equipment for the HEPP plant is of the same type and manufacturer as the corresponding equipment for the SPPE plant, but considerably smaller in capacity. The total simple-cycle HEPP plant is also less complex than the combined-cycle SPPE plant. Therefore, the noise pollution level caused by the construction and operation of the HEPP plant will be substantially less than that caused by the SPPE plant. The expected noise levels at the sensitive receptors and at plant site boundaries due to the SPPE plant are given in the two tables on page 8.5-17 of Exhibit 6A. The maximum expected noise level during construction of the HEPP is given in the table on page 8.5-21 of Exhibit 6A and is expected to be similar to that projected for the SPPE.

6.4 PROPOSED MITIGATION

During construction and operation of the HEPP plant no significant noise impacts are expected to occur at noise-sensitive receptors. Thus, no additional mitigation measures are proposed beyond those implicit in the project design, including acoustical enclosure for the combustion turbine inlet air silencers and exhaust silencers. GWF will also perform an additional ambient noise

survey following commencement of operation to demonstrate that the HEPP conforms with applicable noise standards.

**DATA ADEQUACY SUPPLEMENT B:
SECTION 8 BIOLOGICAL RESOURCES**

Instructions:

Replace the existing text of Section 8 of the *Hanford Energy Park Peaker: California Emergency Peaker Power Plant Permit Application* (April 2001) with the attached version of the text of Section 8.

Keep the existing Exhibit 8A.

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8.0 BIOLOGICAL RESOURCES

The Hanford Energy Park Peaker (HEPP) will be located on previously disturbed vacant land in an industrial park. The transmission line route will run along existing roadways. Certain areas in Kings County provide habitat for a number of sensitive plant and animal species. Biological surveys were conducted in the project area in June 1999 and February 2000. The surveys were conducted primarily for federal- and state-listed plant and animal species in accordance with the U.S. Fish and Wildlife Service (USFWS) and California Department of Fish and Game (CDFG) approved survey methodologies for sensitive species. Concurrently, other special status plant and wildlife species with potential to occur in the areas were surveyed. The surveys in the area of the HEPP included the 10-acre facility site surrounded by a 500-foot primary buffer area and a one-mile secondary buffer area. The transmission line corridor was surveyed using a method suggested by the CEC that involved a 100-foot corridor centered on the transmission line with a primary buffer area 500 feet on either side of the corridor. A secondary buffer zone, consisting of an additional 500 feet on either side of the primary buffer zone, was also surveyed.

During the surveys, all dens, burrows, and other evidence of special status species were noted. A vascular plant list was also compiled. Sensitive plants and animals were found at or near the proposed facilities and associated utility corridor, as listed in Section 8.2. No significant biological resources were identified within the area to be impacted by the construction and operation of the HEPP. Consequently, no significant impacts to biological resources are expected.

Intensively managed agricultural and industrial complexes dominate the HEPP site. Natural vegetation is restricted to fallow farm fields, the Burlington Northern & Santa Fe (BNSF) Railway right-of-way, along fence lines, and on the banks of agricultural drainage sumps. All of these areas are disturbed on a regular basis, and plants are predominantly weedy and non-native to California. The HEPP lies outside of any biologically sensitive areas.

8.1 SENSITIVE SPECIES

Lists of special status wildlife and plant species known to occur or to potentially occur in the vicinity of the HEPP site are shown in Table 8.2-1 of Exhibit 8A. These species were identified by searching the California Natural Diversity Database, reviewing unpublished biological reports produced for other projects in the area of the HEPP, and staff experience and knowledge of sensitive flora and fauna in the central San Joaquin Valley.

Surveys at the HEPP site were conducted by William J. Vanherweg on June 9, 1999, and February 1, 2000. The surveys were conducted primarily for listed plant and animal species, following USFWS- and CDFG-approved survey methodologies for sensitive species, while concurrently surveying for other special status plant and wildlife species having potential to occur in the area.

The proposed transmission route and the proposed HEPP site were surveyed by walking transects 50 feet wide. Additional buffer zones of 1,000 feet on each side of the routes and around the proposed HEPP site were also surveyed. During the surveys, all dens, burrows, and other evidence of special status species were noted.

8.2 RESULTS

The proposed HEPP site is currently undeveloped, previously disturbed land. The land has evidence of prior agricultural use. The site has no habitat features that would be of value to any sensitive species. There are no sensitive wildlife or plant resources at the site.

The proposed transmission route follows a paved city street and county road. The buffer areas on either side of the proposed route consist entirely of intensively managed agriculture and industrial complexes. No sensitive wildlife or plant resources were found in the proposed transmission route or within 1,000 feet of the route. No designated critical habitats, wetlands, vernal pools, or preserves have been identified on site or immediately adjacent to the site.

8.3 NOT USED**8.4 MITIGATION**

Preconstruction biological surveys will need to be undertaken at least 10 days before the start of construction activity for the electrical transmission line. If San Joaquin kit foxes, burrowing owls, or nesting raptors are found in or near the corridors during these surveys, additional mitigation measures may be necessary to comply with relevant laws, ordinances, regulations, and standards. In addition, GWF will provide funds to the Kern Water Mitigation Bank for the purchase of compensation acreage to mitigate any impacts from the small amount of land disturbance resulting from construction of the HEPP.

**DATA ADEQUACY SUPPLEMENT B:
SECTION 9 LAND USE**

Instructions:

Replace the existing text of Section 9 of the *Hanford Energy Park Peaker: California Emergency Peaker Power Plant Permit Application* (April 2001) with the attached version of the text of Section 9.

Keep the existing Exhibit 9A.

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9.0 LAND USE

9.1 LOCAL LAND USE RESTRICTIONS

Local land use restrictions are addressed in Section 8.4.2.1, “City and County,” of Exhibit 9A. Table 8.4-2 in Exhibit 9A shows all restrictions from the City of Hanford, Kings County, and Kings Industrial Park.

Specific land use restrictions include the following:

- New industrial uses must meet both of the following noise standards: (1) shall not exceed 70 decibels A-weighted (dBA) at the property line and (2) shall not exceed 55 dBA for 30 minutes or 70 dBA for 1 minute between 7 a.m. and 10 p.m. or 45 dBA for 30 minutes or 50 dBA for 1 minute between 10 p.m. and 7 a.m. within 50 feet of an existing residence;
- No vibration (other than from transportation facilities or temporary construction work) shall be permitted that is discernable by the average person without instruments at the property line;
- No odorous emissions shall be permitted in such quantities as to be readily discernable by the average person at the property line;
- No direct or sky-reflected glare shall be permitted that could create traffic accidents or adversely affect the use or value of adjoining property;
- Devices that transmit radio frequency energy shall be operated so as not to cause interference with any activity carried on beyond the property line;
- The building height must not exceed a 1:1 ratio between the distance from the front property line to the structural height;
- There must be a 50-foot setback along the front property line, at least the first 20 feet of which must be landscaped, and a 20-foot setback along the sides and rear of the property;
- The maximum allowable Floor Area Ratio (FAR) is 50%;
- There must be one off-street parking space for each employee of the maximum working shift, one space for each truck, and one space for each permanently employed salesperson;
- The maximum allowable area of all faces of all permanent signs, excluding directional signs, is one square foot per linear foot of property line adjoining a street, to a maximum of 300 square feet of sign area; and
- Storm water and drainage water shall be contained on-site, which may be accomplished through the use of an on-site drainage basin.

9.2 USE OF ADJACENT PARCELS

Section 8.4.1, “Affected Environment,” of Exhibit 9A addresses the land uses of all properties within 1 mile of the site. Table 8.4-1 in Exhibit 9A summarizes both existing and potentially sensitive land uses in the affected environment.

9.3 OWNERSHIP OF ADJACENT PARCELS

Property owners within 1,000 feet of the HEPP site and within 500 feet of its associated linear facilities are included in Tables 2-1 and 2-2, even though some are not "adjacent."

9.4 CENSUS TRACT DEMOGRAPHICS

The area is situated in Hanford, U.S. Census tract 0012-02, of Kings County, California. As of 1990, the population density was 90 persons per square mile within a three-mile radius of the HEP site. Hanford is the largest city in the study area and has been experiencing steady population growth over the past 19 years. Statistical information from the CDF indicates that Hanford had a population of 20,958 in 1980 and 40,300 in 1999. This is an annual growth rate of 3.5% from 1980 to 1999. The city is expected to grow by about 4.1% annually through 2010. According to the 1990 U.S. Census, in 1990 the Hanford population was approximately 75% white, 5% black, 3% Asian, 1% American Indian, and 17% of other origin. In Hanford, 30% of the population is of Hispanic origin, and 70% of the population is not of Hispanic origin. There were 4,755 persons living below the poverty level in Hanford in 1990, which was 16% of the total population.

**DATA ADEQUACY SUPPLEMENT B:
SECTION 11 TRAFFIC AND TRANSPORTATION**

Instructions:

Replace the existing text of Section 11 of the *Hanford Energy Park Peaker: California Emergency Peaker Power Plant Permit Application* (April 2001) with the attached version of the text of Section 11.

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11.0 TRAFFIC AND TRANSPORTATION

11.1 LEVEL OF SERVICE MEASUREMENTS

Table 11-1 identifies the annual average daily traffic (AADT), annual average peak-hour traffic, annual average daily truck traffic, percent of truck traffic, highway capacity, and level of service (LOS) for the project area. The LOS criteria for highways are established by Caltrans; these criteria take into account numerous variables, such as AADT, capacity, grade, environment (urban or rural), and other relevant considerations. According to Caltrans policy, LOS D is acceptable for planning purposes, whereas LOS E and F are considered unacceptable. Currently, all of the state routes potentially affected by the proposed Hanford Energy Park Peaker (HEPP) are operating at or above LOS D.

Table 11-1. Current Traffic Characteristics of Highways in the Project Area

Highway/ Milepost	Location	Annual Average Daily Traffic ^a	Annual Average Peak- Hour Traffic ^a	Annual Average Daily Truck Traffic ^b	Percent of Truck Traffic ^c	Highway Capacity ^d	LOS ^d
State Route 99							
R6.43	Junction w/ Route 43	59,000	4,800	13,920	24	3,663	D
R38.90	Junction w/ Route 198	39,000	2,950	10,780	28	2,444	D
State Route 43							
16.39	Houston Avenue	7,600	660	768	10	681	B
18.24	Junction w/ Route 198	7,600	660	1,593	21	501	B
18.43	Lacey Blvd.	9,300	890	896	10	N/A	B
State Route 198							
R15.75	Hanford-Armona Rd.	21,000	1,800	1,734	8	1,915	B
R16.91	12th Avenue	17,000	1,450	1,431	8	2,394	D
R17.91	11th Avenue	13,500	1,150	1,431	11	2,695	D
R18.96	10th Avenue	14,500	1,200	1,764	12	2,694	D
R20.98	Junction w/ Route 43	14,100	1,150	2,080	15	1,857	B
^a Caltrans, 1998. ^b Caltrans, 1997a. ^c Percentages were calculated using 1996 average daily truck traffic as a percentage of 1997 annual average daily traffic. ^d Caltrans, 1997b.							
LOS = Level of Service N/A = not available							

As shown in Table 11-1, the State Route (SR) 99 average daily traffic volume between SR 43 and SR 198 is 49,000 and the LOS is a D. SR 43 has an average daily traffic volume of 8,167 vehicles from Houston Ave. to Lacey Blvd. and is operating at LOS B. SR 198 averages 16,020 vehicles per day between Hanford-Armona Rd. and the SR 43 junction. This segment of SR 198 is operating at LOS B through D. The percentage of daily truck traffic on SR 99 is 24% to 28%. The daily truck traffic ranges from 10% to 21% on SR 43 and 8% to 15% on SR 198.

11.2 TRAFFIC CONTROL PLANS DURING CONSTRUCTION

For the HEPP, construction activities will add a moderate amount of traffic during the peak construction period. However, the increase in traffic will be minor compared to the existing roadway capacity. No significant degradation in the roadway level-of-service is anticipated during construction of the HEPP. Therefore, the impact from construction of the HEPP is not considered significant and there is no formal plan for traffic control during construction.

11.3 TRAFFIC IMPACT OF LINEAR FACILITY CONSTRUCTION

The proposed linear facilities for the HEPP consist of transmission lines to be installed on towers that are adjacent to Idaho Avenue and 11th Avenue and the natural gas pipeline that will be installed in the Southern California Gas Company Franchise Agreement easement from the City of Hanford. At locations where the transmission lines cross roadways, a safety net will be installed to prevent equipment or tools from falling into traffic during construction. Where the natural gas pipeline crosses roadways or has the potential to interfere with the normal flow of traffic, precautions will be taken to ensure that the pipeline installation is conducted in a safe manner.

11.4 EQUIPMENT TRANSPORT ROUTE

For shipments originating in Bakersfield, truck drivers would use SR 99 north and take SR 198 west. Truck deliveries would then exit south on 11th Ave. and head east on Idaho Ave. to the HEPP site. For shipments originating in Fresno County, drivers would use SR 99 south to SR 198 west, exit south on 11th Ave., and proceed to the HEPP site.

11.5 PARKING REQUIREMENTS – WORKFORCE AND EQUIPMENT

Parking for HEPP construction site personnel and visitors is assumed to be provided in an area on or adjacent to the HEPP site. During construction of the HEPP, the number of private vehicles belonging to construction workers that would be parked on-site would be less than 71.

A parking lot will be constructed for the workers associated with the operations and maintenance of the HEPP.

**DATA ADEQUACY SUPPLEMENT B:
SECTION 12 SOILS AND WATER RESOURCES**

Instructions:

Replace the existing text of Section 12 of the *Hanford Energy Park Peaker: California Emergency Peaker Power Plant Permit Application* (April 2001) with the attached version of the text of Section 12.

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12.0 SOILS AND WATER RESOURCES

12.1 WASTEWATER VOLUME, QUALITY, TREATMENT

The projected consumption of the Hanford Energy Park Peaker (HEPP) will be 140 gallons per minute, 16 hours per day during the months of May through October. The maximum estimated discharge from the HEPP will be 20 gallons per minute during normal operation.

Discharges of surface water during the operations phase will not be released to the Lakeside Ditch or to the surrounding ground surface. Water from plant and equipment drains will be collected, treated to remove oil and grease, and routed to the GWF Hanford cogeneration plant cooling tower basin. All discharge systems will be constructed and operated in compliance with applicable codes and regulations, including Chapter 13 of the City of Hanford municipal code (monitoring and reporting requirements for an industrial user). Process wastewater from the HEPP site will be discharged to the City of Hanford Wastewater Treatment Plant. The permit to discharge will be modified for any additional volume exceeding the existing permit limits.

12.2 STATUS OF PERMITS (WDR/NPDES)

There are waste discharge conditions for the existing GWF Hanford cogeneration plant in the Industrial Waste Water Discharge Permit with the City of Hanford. The wastewater discharge from the HEPP will be discharged through an existing connection and under the provisions in an existing permit. No new discharge will be required with the HEPP.

12.3 DRAFT EROSION PREVENTION AND SEDIMENTATION CONTROL PLAN OR MITIGATION STRATEGY

Construction design and construction practices will minimize soil erosion during construction and operation of all facilities associated with the HEPP. Soil erosion will be minimized by implementing recommendations from the Natural Resource Conservation Service Office headquartered in Hanford.

After grading and compacting, the soil excavated from the HEPP site will be revegetated or covered with a synthetic mat as necessary to reduce the potential for wind and water erosion. The HEPP site will be graded and will have drainage controls. Best management practices (BMPs) will be implemented to control erosion during construction activities. These measures will be described in the storm water pollution prevention plan (SWPPP) required by the General Storm Water Permit for Construction. The following measures are proposed to reduce construction impacts to minimal levels:

- Describe BMPs to minimize erosion in the SWPPP prior to construction and implement the BMPs during and after construction. Surface soil protection may include the use of mulches, synthetic netting material, riprap, and the compacting of native soil.
- Conduct all construction activities in accordance with California's General Industrial Storm Water Permit for Construction Sites, including the erosion control measures in the SWPPP and BMPs to reduce erosion and the transport of increased suspended sediment from construction areas.

- In the construction area, soil should be graded and compacted to ensure that soil is not left in irregular piles that are more susceptible to water and wind erosion. Seeding will be performed in the areas where natural vegetation has been distressed or removed by construction activity.

The HEPP will conform to applicable standards in the National Engineering Handbook to ensure that the project will not cause soil loss through accelerated erosion. The proposed mitigation measures outline steps to be taken during grading and construction to limit soil erosion caused by the soil disturbance.

12.4 SPILL PREVENTION/WATER QUALITY PROTECTION PLANS

Construction and operation of the HEPP will be carried out under the same Spill Prevention, Control, and Countermeasure (SPCC) Plan used for the existing plant. The SPCC Plan will be prepared in accordance with federal and California regulations. This plan must be prepared if petroleum products stored on-site in aboveground storage tanks with a capacity that equals or exceeds 660 gallons for a single tank, or equals or exceeds 1,320 gallons for more than one tank. The SPCC Plan must be prepared prior to delivery of petroleum products to the site. The SPCC Plan will include information on spill response procedures and fuel storage.

**DATA ADEQUACY SUPPLEMENT B:
SECTION 13 CULTURAL RESOURCES**

Instructions:

Replace the existing text of Section 13 of the *Hanford Energy Park Peaker: California Emergency Peaker Power Plant Permit Application* (April 2001) with the attached version of the text of Section 13.

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13.0 CULTURAL RESOURCES

Cultural resources include archaeological and historical sites, objects, and districts; historic structures; cultural landscapes; and sites of concern to local Native Americans and other ethnic groups. This section documents the cultural resources that could be adversely affected by the construction and operation of the GWF Hanford Energy Park Peaker (HEPP). Measures are proposed to mitigate potential adverse impacts to cultural resources.

The cultural resource analysis for the Hanford Energy Park (HEP) Small Power Plant Exemption (SPPE) was completed in compliance with *Instructions to the California Energy Commission Staff for Review of and Information Requirements for an Application for Certification* (1992). Detailed information on the cultural resources in the study area for the HEP was previously included in a confidential technical appendix (Appendix C) to the SPPE application for the HEP that was submitted to the California Energy Commission (CEC) under a request for confidentiality pursuant to Title 20, California Code of Regulations (CCR), Section 2501 et seq.

13.1 IDENTIFICATION OF KNOWN HISTORIC/ PREHISTORIC SITES

Prior to conducting the field survey of the HEPP site, a records search was performed at the South San Joaquin Valley Information Center (SSJVIC) of the California Historic Resources Information System (CHRIS). The records search encompassed the HEPP site, its associated linear facilities, and a half-mile radius around them. Information was requested on archaeological sites and historic built environment resources. Information sources included the National Register of Historic Places, California Historic Landmarks, California Register of Historic Resources, California Points of Historical Interest, and the Historic American Building Survey/Historic American Engineering Record.

The field survey was conducted on February 1 and 2 and March 21, 2000, by Daniel Shoup and Bryon Bass. The survey covered the 10-acre proposed HEPP site and two 1-acre parcels for the proposed and alternate switchyards, plus a 100-foot buffer zone around them, in 15-meter (50-foot) linear transects. For the linear features of the HEPP, a 200-foot corridor (100 feet on either side of the centerline) was surveyed in 15- to 20-meter (50- to 65-foot) transects.

Except for the areas where the corridors were obstructed and the areas under agriculture, ground visibility was good. One historical linear feature, a historical telegraph line, was recorded. One historical isolate, a portion of an old fence line, was also recorded. The area in which the fence line is located has since been dropped from the project.

No prehistoric resources were located during the survey.

13.2 PROPOSED MITIGATION (IF REQUIRED)

No significant or potentially significant cultural resources are known to exist within the study area. The historical telegraph line that was discovered during the survey has been stripped of most of its older insulators. Many of the poles have fallen, and the telegraph line also appears to have been subject to regular maintenance, including replacement of the historical poles, in the recent past. Therefore, recordation appears to exhaust the information potential of this resource and constitutes sufficient mitigation for any impacts that it may suffer during construction.

It is possible that previously unknown cultural resources may be discovered in the course of the construction of the HEPP. Construction personnel will be instructed to halt their activities on the discovery of such materials. In the event of unanticipated discoveries of previously unknown cultural resources, a qualified archaeologist will evaluate the find for significance and, if necessary, recommend further mitigation measures.

The HEPP staff will document and report to the CEC the discovery during construction of any previously unknown significant cultural resources and consult with CEC staff regarding the management of any such resources, including the design and implementation of appropriate mitigation measures if the resource cannot be avoided.

If human remains are encountered during construction activities for the HEPP, work will stop immediately within 100 feet (30 meters) of the discovery, and the provisions of California Health and Safety Code Section 70500.5, Public Resources Code Section 5097.98, and other applicable sections shall apply.

It is anticipated that the construction of the HEPP will not result in any avoidable direct or indirect impacts to significant cultural resources. Consequently, the HEPP will not contribute to cumulative adverse direct or indirect impacts to the cultural resources inventory in the study area.

13.3 NOTIFICATION OF NATIVE AMERICANS

Concurrent with the records search at the SSJVIC and prior to the beginning of the field survey, members of the Native American Heritage Commission (NAHC) were contacted for a list of local Native American groups and/or individuals with direct or indirect knowledge of cultural resources within or near the study area. A records search of the Sacred Lands File of the NAHC failed to indicate the presence of Native American cultural resources in the immediate area of the HEPP site.

**DATA ADEQUACY SUPPLEMENT B:
SECTION 15 VISUAL RESOURCES**

Instructions:

Replace the existing text of Section 15 of the *Hanford Energy Park Peaker: California Emergency Peaker Power Plant Permit Application* (April 2001) with the attached version of the text of Section 15.

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15.0 VISUAL RESOURCES**15.1 LANDSCAPING AND SCREENING**

The landscape plans for the Hanford Energy Park Peaker (HEPP) will be similar to the current street frontage landscaping at the existing GWF plant. Landscaping will conform with the City of Hanford's industrial park master plan. In addition, a 6-inch-high concrete curb will be placed between the paved area and the landscaped areas.

This landscaping will be continually maintained after planting and allowed to grow to maturity. Maintenance will include pruning, weeding, cleaning, fertilizing, and regular watering. Dead and dying plants will be replaced with live plant materials to ensure compliance with landscaping requirements.

15.2 VISUAL IMPACTS OF NEW SITE

A color photo of the HEPP site, a photosimulation of the new facility, a color photo of the site of the proposed transmission line, and a photosimulation of the new transmission line are shown in Figures 1-2a through 1-2d, respectively, in Section 1.0 of this application.