

To	From
	BOARD OF HARBOR COMMISSIONERS
	EXECUTIVE DIRECTOR
	DED - DEVELOPMENT
	DED - FINANCE & ADMINISTRATION
	DED - OPERATIONS
	DED - BUSINESS DEVELOPMENT
	DED - EXTERNAL RELATIONS
	SENIOR DIRECTOR, COMMUNICATIONS
	DIRECTOR, GOVERNMENT AFFAIRS
CC	ACCOUNTING
	CHIEF FINANCIAL OFFICER
CC	CITY ATTORNEY
	COMMISSION OFFICE
	COMMUNITY AFFAIRS ADVOCATE
	COMMUNITY RELATIONS
	CONSTRUCTION
	CONSTRUCTION & MAINTENANCE
CC	CONTRACTS & PURCHASING
	CORPORATE COMMUNICATIONS
CC	DEBT & TREASURY
	ECONOMIC DEVELOPMENT

CITY OF LOS ANGELES
HARBOR DEPARTMENT
OFFICE MEMORANDUM

June 15, 2009

To	From	Transmittal No. 1
CC	ENGINEERING – Vahik Haddadian	
	ENVIRONMENTAL MANAGEMENT	
	FINANCIAL MANAGEMENT	
	GOODS MOVEMENT	
	GRAPHIC SERVICES	
	HOMELAND SECURITY	
	HUMAN RESOURCES	
	INFORMATION TECHNOLOGY	
	LEGISLATIVE AFFAIRS	
	MANAGEMENT AUDIT	
XX	MARKETING – ERIC CARIS	
	MEDIA RELATIONS	
	PLANNING & RESEARCH	
	PORT PILOTS	
	PORT POLICE	
	REAL ESTATE	
CC	RISK MANAGEMENT	
	TRADE SERVICES	
	WHARFINGERS	
CC	AUDIT DEMAND CONTROLLER	

SUBJECT: RESOLUTION NO. 08-6653 – PROPOSED MULTI-FACILITY INTERCONNECTION AGREEMENT BETWEEN THE CITY OF LOS ANGELES HARBOR DEPARTMENT AND THE CITY OF LOS ANGELES DEPARTMENT OF WATER AND POWER

At its meeting held on November 20, 2008, the Los Angeles Board of Harbor Commissioners approved a three-year LADWP Multi-facility Interconnection Agreement, assigned Harbor Department Agreement No. 08-2731, between the City of Los Angeles Harbor Department and the City of Los Angeles Department of Water and Power.

Attached for your files are copies of the Board report and Agreement No. 08-2731.

Rose M. Dworshak

ROSE M. DWORSHAK
Commission Secretary

**CITY OF LOS ANGELES
RECEIVED**

JUN 15 2009

✓ 09-2352

**ENGINEERING DIVISION
HARBOR DEPARTMENT**

RECOMMENDATION APPROVED;
RESOLUTION NO. 08-6653 ADOPTED AND;
AGREEMENT NO. 08-2731 APPROVED
BY THE BOARD OF HARBOR COMMISSIONERS

Transmittal No. 1



Executive Director's

Report to the
Board of Harbor Commissioners

November 20, 2008

Rose M. Dwarshak
SECRETARY

11-20-08
4
DATE: NOVEMBER 13, 2008

FROM: MARKETING DIVISION

SUBJECT: RESOLUTION NO. 08-6653 - PROPOSED MULTI-FACILITY INTERCONNECTION AGREEMENT BETWEEN THE CITY OF LOS ANGELES DEPARTMENT OF WATER AND POWER AND THE LOS ANGELES HARBOR DEPARTMENT

SUMMARY:

Alternative Maritime Power (AMP) allows vessels to be powered by shore-supplied electrical power while at berth. During a synchronized transfer of electrical power from shore-to-ship, the vessel will be connected in parallel for a short period of time to the electrical grid of the Los Angeles Department of Water and Power (LADWP). This activity is referred to as co-generating electricity. LADWP requires those co-generating electricity to sign a Multi-facility Interconnection Agreement. The vessel, not the Los Angeles Harbor Department (Harbor Department), is the actual co-generator in the context of the AMP program. The business decision has been made for the Harbor Department to represent the vessel and to sign the subject Agreement for vessels connecting to shore power at AMP capable berths using a synchronized transfer of electrical power throughout the Port.

RECOMMENDATION:

It is recommended that the Board of Harbor Commissioners:

1. Approve the proposed three-year LADWP Multi-facility Interconnection Agreement for vessels connecting to shore power at AMP capable berths using a synchronized transfer of electrical power, throughout the Port;
2. Authorize the Executive Director or designee to act as the authorized representative for the purpose of adding or removing generation facilities from the Multi-facility Interconnection Agreement, as required; and
3. Adopt Resolution No. 08-6653 .

DATE: NOVEMBER 13, 2008

PAGE 2 OF 5

SUBJECT: RESOLUTION NO. 08-6653 - PROPOSED MULTI-FACILITY INTERCONNECTION AGREEMENT BETWEEN THE CITY OF LOS ANGELES DEPARTMENT OF WATER AND POWER AND THE LOS ANGELES HARBOR DEPARTMENT

DISCUSSION:

1. AMP is an initiative that allows vessels to be powered by shore-supplied electrical power while at berth. The San Pedro Bay Clean Air Action Plan (CAAP) states that the Harbor Department will conduct a massive infrastructure improvement program to equip a number of container berths and cruise terminals with AMP infrastructure. An aggressive preliminary lease requirement-based rollout scenario was developed. Under this scenario, the Harbor Department would have AMP capabilities at 15 berths (two cruise and thirteen container terminals) for a cost of \$44 million by 2012.
2. Two methods are used to transfer electrical power from shore-to-ship, as follows:

Method A: Manual "break-before-make" power transfer system, whereby the vessel loses all power during the transfer of electrical power from shore-to-ship from on-board generators to grid power and vice-a-versa.

Method B: Automatic synchronized power transfer system, whereby the vessel does not lose power during the electrical power transfer from shore-to-ship and vice-a-versa.

Method "A" does not require LADWP's Multi-facility Interconnection Agreement because during the transfer of electrical power from shore-to-ship, the vessel does not feed electrical power back onto the grid. Method "B" is the industry preferred method of electrical power transfer from shore-to-ship and vice-a-versa. It is the recommended method in the current AMP global standardization effort within the International Organization for Standardization (ISO TC8/SC3). Automated synchronized electrical power transfer results in a parallel connection and operation of the vessel generator with the LADWP grid connection. This parallel operation is required to synchronize the vessel's generator to the shore electrical power and gradually transfer the electrical load to the grid. During the disconnection process, the auto-synchronization and load transfers operate in reverse order to automatically synchronize the vessel's generator and transfer the vessel's electrical load back to the on-board generator. As such, it is required to have LADWP's Multi-facility Interconnection Agreement.

DATE: NOVEMBER 13, 2008

PAGE 3 OF 5

SUBJECT: RESOLUTION NO. 08-6653 - PROPOSED MULTI-FACILITY INTERCONNECTION AGREEMENT BETWEEN THE CITY OF LOS ANGELES DEPARTMENT OF WATER AND POWER AND THE LOS ANGELES HARBOR DEPARTMENT

3. Notwithstanding that the parallel and simultaneous operation of the vessel's generator with the grid is of a short duration (approximately three to five minutes), LADWP requires customers that operate in parallel connection for more than one second to agree to a Multi-facility Interconnection Agreement.
4. It should be noted in the subject Agreement that the vessel, not the Harbor Department, is the actual co-generator in the context of vessels connected to shore power at AMP capable berths. Harbor Department owned and/or actually operated equipment will not co-generate electricity on or over LADWP's infrastructure. It is the vessel itself at berth that will co-generate the electricity for a short period of time. LADWP understands that for the purpose of this Multi-facility Interconnection Agreement, Harbor Department AMP equipment are considered the generation facilities.
5. The Board previously adopted LADWP Customer Generation Interconnection Agreements covering AMP operations at Yusen Terminals, Inc., and China Shipping. Approval of this Multi-facility Interconnection Agreement may replace previously adopted Customer Interconnection Agreements.
6. All costs associated with the consumption of electrical power during the connection to the shore is payable by the vessel operator.
7. The term of the subject Agreement is three years from the effective date of execution.
8. The amendment to the service charge in the Port of Los Angeles Tariff No. 4, entitled "Electricity for Power and Lighting" as it relates to AMP will be brought to the Board for approval at a later date.

ENVIRONMENTAL ASSESSMENT:

The proposed action is approval of a Multi-facility Interconnection Agreement between the Harbor Department and LADWP to support the Harbor Department's AMP Program, a component of the CAAP. The Agreement is administrative in nature and relates to a standard requirement of LADWP. As such, the Director of Environmental Management has determined that the proposed action is exempt from the requirements of the California Environmental Quality Act (CEQA) in accordance with Article II, Section 2(f) of the Los Angeles City CEQA Guidelines.

DATE: NOVEMBER 13, 2008**PAGE 4 OF 5****SUBJECT: RESOLUTION NO. 08-6653 - PROPOSED MULTI-FACILITY INTERCONNECTION AGREEMENT BETWEEN THE CITY OF LOS ANGELES DEPARTMENT OF WATER AND POWER AND THE LOS ANGELES HARBOR DEPARTMENT****ECONOMIC BENEFIT:**

The proposed Board action has no employment effect.

FINANCIAL IMPACT:

Approval of this proposed Agreement will have no material financial impact upon the Harbor Department.

CITY ATTORNEY:

The custom and practice of LADWP dictates usage of the subject Agreement when a third-party will generate and transmit, or "co-generate," electricity on or over LADWP's infrastructure. The subject Agreement defines such third-party co-generators as "customers" and, among other things, obligates such customers to: (a) operate and maintain, "at its sole risk and expense," the co-generation equipment in compliance with all codes and laws (sec. 4.1); (b) maintain insurance at delineated levels, naming LADWP as additional insured (secs. 12 and 12.6); and (c) other than for LADWP's sole negligence or willful misconduct, indemnify and hold harmless LADWP from all liability, costs, claims and causes of action "attributable to in whole or in part, or resulting from the actions or omissions of customer or any person or entity acting on customer's behalf including, but not limited to, any agent, designee, contractor, or lessee."(sec. 13).

While utilizing AMP, the vessels at berth will, for varying amounts of time, co-generate electricity on or over LADWP's infrastructure. Harbor Department-owned and/or actually operated equipment will not co-generate electricity on or over DWP's infrastructure. The Harbor Department's execution of the Agreement requires it, even though the actual co-generators of electricity are the vessels and not the Harbor Department, to assume responsibility for vessels' co-generation equipment, to procure delineated insurance, and to provide the fullest type of indemnity the law allows in connection with incidents that could arise during co-generation. This results in the Harbor Department's acceptance of liability and responsibility intended to be borne by the co-generator of electricity, the vessel.

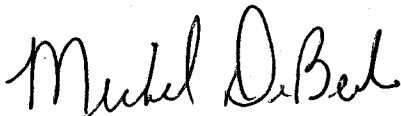
DATE: NOVEMBER 13, 2008

PAGE 5 OF 5

SUBJECT: RESOLUTION NO. 08-6653 - PROPOSED MULTI-FACILITY INTERCONNECTION AGREEMENT BETWEEN THE CITY OF LOS ANGELES DEPARTMENT OF WATER AND POWER AND THE LOS ANGELES HARBOR DEPARTMENT

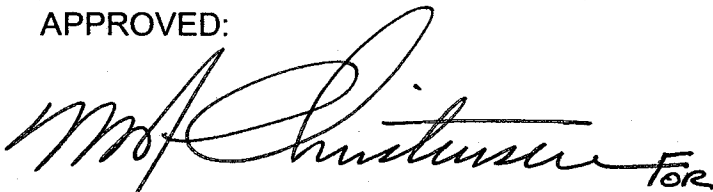
TRANSMITTAL:

- 1. The LADWP Multi-facility Interconnection Agreement


 MICHAEL DiBERNARDO
 Director of Marketing


 For KATHRYN McDERMOTT
 Deputy Executive Director

APPROVED:


 GERALDINE KNATZ, Ph.D.
 Executive Director

MD:EC:ma
 ADP No.: 070319-047
 11.05.08

RECEIVED
 OFFICE OF
 SECRETARY
 08 NOV 17 AM 8:23
 CITY OF LOS ANGELES
 BOARD OF HARBOR
 COMMISSIONERS

DUPLICATE ORIGINAL

Harbor Department
Agreement 08-2731
City of Los Angeles

STANDARD OFFER
FOR CUSTOMER GENERATION
INTERCONNECTION AGREEMENTS

LAHD - LADWP
CUSTOMER GENERATION
INTERCONNECTION AGREEMENT

BETWEEN

THE CITY OF LOS ANGELES HARBOR DEPARTMENT (LAHD)
(CUSTOMER)

AND

DEPARTMENT OF WATER AND POWER OF
THE CITY OF LOS ANGELES

DWP NO. PD2310

_____ – LADWP
**CUSTOMER GENERATION
 INTERCONNECTION AGREEMENT**

TABLE OF CONTENTS

<u>SECTION</u>	<u>TITLE</u>	<u>PAGE</u>
1.	RECITALS.....	1
2.	DEFINITIONS.....	2
3.	AGREEMENT.....	3
4.	RESPONSIBILITIES OF THE CUSTOMER.....	4
5.	RESPONSIBILITIES OF LADWP.....	6
6.	METERING.....	7
7.	ADDING OR REMOVING GENERATION FACILITIES.....	8
8.	DISCONNECTION OF GENERATION FACILITIES UNDER AGREEMENT.....	8
9.	INTERCONNECTION BILLING DETERMINANTS.....	9
10.	ELECTRIC SERVICE BILLING DETERMINATIONS.....	10
11.	BILLINGS AND PAYMENTS.....	10
12.	INGRESS AND EGRESS.....	11
13.	INSURANCE.....	12
14.	INDEMNIFICATION.....	13
15.	ADMINISTRATION.....	14
16.	DEFAULT.....	15
17.	REMEDIES UPON DEFAULT.....	15
18.	FORCE MAJEURE.....	15
19.	AUTHORIZATIONS AND APPROVALS.....	16
20.	EFFECT OF SECTION HEADINGS.....	16
21.	NONWAIVER.....	16
22.	NONDEDICATION OF FACILITIES.....	16
23.	NO THIRD-PARTY BENEFICIARIES.....	17
24.	NOTICES.....	17
25.	TRANSFER OF INTEREST.....	17
26.	SEVERAL OBLIGATIONS.....	17
27.	SEVERANCE.....	18

_____ – LADWP
**CUSTOMER GENERATION
 INTERCONNECTION AGREEMENT**

TABLE OF CONTENTS

<u>SECTION</u>	<u>TITLE</u>	<u>PAGE</u>
28.	EFFECTIVE DATE AND TERM.....	18
29.	GOVERNING LAW.....	18
30.	CHILD SUPPORT ASSIGNMENT ORDERS.....	18
31.	UNDERSTANDING.....	19
32.	REPRESENTATION.....	20
33.	EXHIBITS.....	20
34.	EXECUTION.....	21

ATTACHMENTS

EXHIBIT A – Data Sheets for Customer Generation Facilities under Agreement...	A-1
EXHIBIT B – Single-Line Diagrams and Equipment Lists for LADWP Facilities Supporting Customer Generation Facilities under Agreement.....	B-1
EXHIBIT C – Monthly Charge for Operation and Maintenance Service.....	C-1
EXHIBIT D – Certification of Compliance with Child Support Obligations.....	D-1
EXHIBIT E – Location, Capacity, and Electric Service Identification of Customer Generation Facilities under Agreement.....	E-1

LADWP - LADWP
**CUSTOMER GENERATION
INTERCONNECTION AGREEMENT**

This Agreement is made and entered into by and between THE CITY OF LOS ANGELES DEPARTMENT OF WATER AND POWER (LADWP), acting by and through the BOARD OF WATER AND POWER COMMISSIONERS (Board) and _____, an LADWP customer, (Customer), sometimes referred to singularly as "Party" and collectively as "Parties", who agree as follows:

1. **RECITALS:** This Agreement is made with reference to the following facts, among others:
 - 1.1 Customer is currently purchasing Electric Service from LADWP at various locations within LADWP's service territory, as listed in Exhibit E. Electric Service at these locations is being provided pursuant to the terms and conditions of the Electric Rate Ordinance No. 168436 as amended.
 - 1.2 Customer currently has, or intends to design, construct, own, operate, and maintain, at its sole risk and expense, a generation facility(ies) in parallel with LADWP's electric system. The location, maximum output capacity, and electric service identification of these facilities are listed in Exhibit E. Characteristics of each generation facility authorized under this Agreement are more fully described in Exhibit A.
 - 1.3 If it is deemed necessary by LADWP to do so after evaluating the specifications of each customer generation facility authorized and listed in Exhibit E, LADWP will make necessary modifications to its electric system and design a LADWP Facility for the safe parallel operation of a customer generation facility with LADWP's electric system. Customer shall reimburse LADWP for all necessary modifications to its electric system and shall construct these LADWP facilities at the direction of LADWP, or reimburse LADWP's construction costs for these facilities. If LADWP facilities are constructed, descriptions of the LADWP facilities will be attached as Exhibit B of this Agreement after construction.

2. **DEFINITIONS:** The definitions, terms, conditions and requirements provided in the Electric Rate Ordinance, the Electric Service Requirements, and the Rules are incorporated in and made a part of this Agreement by reference. The following additional terms, when initially capitalized, whether in the singular or plural tense, shall mean:
- 2.1 **Agreement:** This LAHD - LADWP
CUSTOMER GENERATION INTERCONNECTION AGREEMENT.
- 2.2 **Authorized Representatives:** The representative or designated alternate of a Party appointed in accordance with Section 14 of this Agreement.
- 2.3 **City:** The City of Los Angeles.
- 2.4 **Customer:** LAHD
- 2.5 **Effective Date:** As defined in Section 28 of this Agreement.
- 2.6 **Electric Rate Ordinance:** Ordinance No. 168436 effective on January 31, 1993, and all amendments, revisions, and replacements thereof, including the electric rate schedules adopted by ordinance of the City of Los Angeles approving the rates to be paid by Customer at the location of the Generation Facility. The Electric Rate Ordinance in effect at the time of billing shall have precedence over any definitions, rate figures, numbers or calculations that may appear in this Agreement.
- 2.7 **Electric Service:** As defined in the Rules.
- 2.8 **Electric Service Requirements:** Requirements prescribed in writing by LADWP in effect at the time this Agreement is executed, and all revisions thereto or replacements thereof, which are necessary and proper for the regulation of any Electric Service installed, operated, and maintained within the City of Los Angeles. The Electric Service Requirements shall be in conformance with the Charter of the City of Los Angeles and the Rules.
- 2.9 **Energy Credit:** As defined in the Electric Rate Ordinance.
- 2.10 **Excess Energy:** Energy generated by a Generation Facility beyond Customer's load requirements.
- 2.11 **Generation Facility:** For each location and electric service point authorized and listed in Exhibit E, all of Customer's equipment associated with the generation and supply of electricity.

- 2.12 **In-Service Date**: For each Generation Facility authorized and listed in Exhibit E, the date of initial interconnection to LADWP's electric system.
- 2.13 **Interconnection Costs**: All reasonable costs, as determined by LADWP in accordance with Prudent Utility Practices, including, but not limited to, planning, engineering, design, supervision, material procurement, construction, quality assurance and inspection, testing, metering, maintenance, negotiation, contract administration, protection, expediting, accounting, budgeting, and other activities reasonably necessary for the interconnection and safe parallel operation of the Generation Facility to Department's electric system.
- 2.14 **LADWP Facility**: For each Generation Facility authorized and listed in Exhibit E, the electrical and mechanical equipment required, owned, operated and maintained by LADWP for the safe parallel operation of a Generation Facility. This equipment is deemed by LADWP to be appurtenant and/or incidental to a Generation Facility and will be located at the site of a Generation Facility.
- 2.15 **Prudent Utility Practices**: Those practices, methods, and equipment, as changed from time to time, that are commonly used in prudent engineering and operations to design and operate electric equipment lawfully and with safety, dependability, efficiency, and economy.
- 2.16 **Rules**: The Rules Governing Water and Electric Service in the City of Los Angeles adopted by the Board under Resolution No. 56, dated September 8, 1983, and all amendments, revisions, and replacements thereof. The latest revision at the time this Agreement is executed is dated November 1996.
3. **AGREEMENT**: In consideration of the terms and conditions contained herein and the mutual benefit to be derived by this Agreement, the Parties further agree as follows:
- 3.1 Customer shall purchase Electric Service, as needed solely from LADWP, in accordance with the appropriate schedule in the Electric Rate Ordinance.
- 3.2 LADWP shall purchase Excess Energy produced by the Generation Facility. Payments for Excess Energy shall be made as described in Subsection 9.2 of this Agreement.

3.3 For each Generation Facility authorized and listed in Exhibit E, Customer shall pay LADWP for all costs associated with the interconnection and safe parallel operation of the Generation Facility in accordance with the terms and conditions contained herein.

4. **RESPONSIBILITIES OF THE CUSTOMER:**

4.1 Customer shall own, at its sole risk and expense, the Generation Facility authorized and listed in Exhibit E, (and accept liability for generation equipment not owned by the Customer located at its facilities), in compliance with all applicable codes, laws, Electric Service Requirements, Rules, and Prudent Utility Practices. A person or entity acting on Customer's behalf may operate and maintain each listed Generation Facility in compliance with all applicable codes, laws, Electric Service Requirements, Rules, and Prudent Utility Practices. Meeting this requirement shall not relieve Customer of its obligations pursuant to the terms and conditions of this Agreement.

4.2 When Customer submits the executed Agreement to LADWP for execution, Customer shall also submit the following information for each Generation Facility authorized and listed in Exhibit E:

4.2.1 Electrical plans including load schedules and single-line diagrams.

4.2.2 Plot and site development plans showing generation disconnect, metering equipment locations, and Department access to generation disconnect and meter equipment locations.

4.2.3 Energy Source Information:

- (1) Maximum kilowatt rating
- (2) Nominal voltage output
- (3) Voltage regulation
- (4) Maximum fault current contribution

4.2.4 Protective system information:

- (1) Protective system plan
- (2) Manufacturer's data sheets and maintenance requirements for protective equipment
- (3) Any additional information required by LADWP

- 4.3 Review by LADWP of Customer's specifications shall not be construed as confirming or endorsing the design, any warranty of safety or durability of a Generation Facility.
- 4.4 LADWP shall not, by reason of review or failure to review, be responsible for strength, details of design, adequacy or capacity of a Generation Facility or said equipment, nor shall LADWP's acceptance be deemed to be an endorsement of a Generation Facility.
- 4.5 Within thirty (30) calendar days following the In-Service Date of a Generation Facility or at a date mutually agreed to between the Authorized Representatives, Customer shall submit in writing to LADWP's Authorized Representative that the Generation Facility meets the standards set forth in the applicable Electric Service Requirements.
- 4.6 Customer shall operate and maintain each Generation Facility authorized and listed in Exhibit E in accordance with the applicable Electric Service Requirements and Prudent Utility Practices.
- 4.7 Customer shall not energize, at any time, a de-energized portion of LADWP's electric system without express permission from LADWP's Authorized Representative.
- 4.8 Customer shall obtain and maintain in full force and effect appropriate insurance coverages for the Generation Facilities authorized and listed in Exhibit E with limits not less than those set forth in Section 13 of this Agreement.
- 4.9 The Parties recognize that, from time to time, certain improvements, additions, or other changes in the interconnection and protection equipment at a Generation Facility may be required for the safe parallel operation of a Generation Facility with LADWP's electric system. Such improvements, additions, or other changes shall be in accordance with Prudent Utility Practices. LADWP shall have the right to require Customer to make those changes on a Generation Facility upon reasonable advance written notice from LADWP's Authorized Representative.
- 4.10 Failure of Customer to comply with Section 4.9 within a reasonable period of time after receipt of such written notice may result in a Generation

Facility being disconnected from LADWP's electric system pursuant to Section 8.

5. **RESPONSIBILITIES OF LADWP:**

- 5.1 LADWP shall be the sole provider of Electric Service required by Customer at the location of each Generation Facility authorized and listed in Exhibit E, subject to future amendments to the existing Rules. LADWP shall purchase Excess Energy at each listed Generation Facility from the Customer.
- 5.2 If it is deemed necessary by LADWP to do so after evaluating the plans for each Generation Facility authorized and listed in Exhibit E, LADWP will design, own, operate, and maintain an LADWP Facility and make any necessary modifications to LADWP's electric system for the safe operation of the Generation Facility in parallel with LADWP's electric system.
- 5.3 LADWP reserves the right to make measurements or other tests on the Generation Facility at each location and electric service point authorized and listed in Exhibit E, from time to time, as specified in the Electric Service Requirements. If the measurements or tests determine that a Generation Facility does not meet the specifications of the Electric Service Requirements, LADWP will require Customer to disconnect that Generation Facility from LADWP's electric system pursuant to Subsection 8.1. Customer shall make the appropriate changes to that Generation Facility before reconnection to LADWP's electric system.
- 5.4 The Parties recognize that, from time to time, certain improvements, additions, or other changes in LADWP's electric system may be required for the safe parallel operation of a Generation Facility. Such improvements, additions, or other changes will be in accordance with Prudent Utility Practices. LADWP shall have the right to make those changes upon reasonable advance written notice from LADWP's Authorized Representative to Customer. LADWP shall bill Customer for such improvements, additions, or other changes in accordance with Subsection 9.6 of this Agreement.
- 5.5 LADWP shall have the right of ingress to and egress from Customer's premises pursuant to Section 12 of this Agreement.

5.6 LADWP shall bill Customer for the Customer's pro rata share of the costs incurred in the implementation of this Agreement pursuant to Section 9 of this Agreement.

6. **METERING:**

- 6.1 LADWP shall install, at no cost to LADWP, time-of-use metering equipment and recorders at the service point and at the generation output point of each Generation Facility authorized and listed in Exhibit E, to measure electric energy and other electric parameters deemed appropriate by LADWP.
- 6.2 For Generation Facilities with generation equipment nameplate ratings of at least 1,000 kW, Customer shall provide LADWP with the capability to remotely monitor the Generation Facility. LADWP shall install, at no cost to LADWP, telemetering equipment at the service point and at the generation output point of the Generation Facility to monitor the electrical generation at LADWP's Energy Control Center.
- 6.3 On the In-Service Date of a Generation Facility, the demand, as recorded by LADWP's revenue meters at the service point, shall be reset to zero for billing purposes. Any demand incurred after the In-Service Date shall be used to determine the Demand Charges.
- 6.4 LADWP meters shall be sealed with LADWP seals only. The seals shall not be broken except when the meters are inspected, tested, or adjusted by LADWP. LADWP shall test the meters, at its own expense, in accordance with its routine practice and the Rules.
- 6.5 Customer may request testing of meters prior to their normally scheduled test dates, and LADWP shall test the meters upon request. Customer shall be given reasonable notice to have a representative present at the time of meter testing. Customer shall pay for the cost of the requested meter testing if the meters are found to be within the tolerances specified within the Rules.
- 6.6 Disputes concerning alleged meter discrepancies shall be resolved in accordance with the Rules.

7. ADDING OR REMOVING GENERATION FACILITIES

- 7.1 Any Generation Facility which Customer desires to add or remove from this Agreement must be mutually agreed in writing by the Parties and signed by the Authorized Representatives of the Parties prior to such addition or removal taking effect.
- 7.2 Facilities that are closed by the Customer may be removed from this Agreement unilaterally. Customer shall notify LADWP's Authorized Representative in writing of the removal of such facilities within 30 days of closure.
- 7.3 The terms of this Agreement shall apply to any Generation Facility added to this agreement. Exhibit E will be updated to reflect authorized additions and removals.

8. DISCONNECTION OF GENERATION FACILITIES UNDER AGREEMENT:

- 8.1 LADWP shall require Customer to disconnect any or all Generation Facilities authorized and listed in Exhibit E from LADWP's electric system if Customer does not comply with the covenants of this Agreement, the Electric Rate Schedules, the applicable Electric Service Requirements, or the Rules. LADWP's Authorized Representative shall provide Customer with thirty (30) calendar days' written notice of such intent. In the event Customer takes prompt action to comply, and pursue such action to completion, then LADWP will take no further action.
- 8.2 In accordance with procedures established in the Electric Service Requirements, LADWP shall require Customer to disconnect any Generation Facility immediately from LADWP's electric system if LADWP determines in good faith that an emergency and hazardous condition exists and such action is necessary to protect persons, LADWP's electric system, or other customer facilities from damage or interference caused by Customer's electrical equipment, or to allow LADWP to repair, replace, or maintain any equipment associated with LADWP's electric system.
- 8.3 Each Party shall endeavor to correct the condition on its electric system that resulted in the separation and shall coordinate reconnection of a Generation Facility for parallel operation.

- 8.4 LADWP shall provide for reconnection of a Generation Facility to LADWP's electric system when reasonable to do so.
- 8.5 LADWP shall not be liable to Customer or any person or entity acting on Customer's behalf including, but not limited to, any agent, designee, contractor, or lessee for damages resulting from the connection or disconnection of a Generation Facility from LADWP's electric system.
9. **INTERCONNECTION BILLING DETERMINANTS:** If LADWP determines after review of Generation Facility specifications that an LADWP Facility must be constructed and modifications made to LADWP's electric system for the safe operation of a Generation Facility in parallel with LADWP's electric system, then this Section 9 shall apply. The Customer may be assigned a portion, or all of the construction of a LADWP Facility to be built according to LADWP specifications.
- 9.1 For each detailed cost estimate and detailed design for an LADWP Facility and modifications to LADWP's electric system, LADWP shall bill Customer a nonrefundable amount equal to ten (10) percent of the preliminary cost estimate of the Interconnection Costs anticipated to be incurred by LADWP. The estimate made shall be based on Generation Facility specifications, pursuant to Subsection 4.2. Upon receipt of the nonrefundable amount, LADWP shall prepare a detailed cost estimate and a detailed design in a timely manner.
- 9.2 LADWP shall bill Customer for the amount of the Interconnection Costs anticipated to be incurred by LADWP based on the detailed cost estimate, less the ten (10) percent previously advanced pursuant to Subsection 9.1.
- 9.3 Upon receipt of the necessary funds, LADWP shall proceed with its portion of the construction of any necessary modifications to the electric system and the LADWP Facility for the safe parallel operation of the Generation Facility.
- 9.4 If it is determined, at the completion of the LADWP Facility, that Customer has advanced funds, which are greater or less than the actual Interconnection Costs incurred by LADWP, LADWP's Authorized Representative shall make the appropriate adjustment within ninety (90) calendar days after the In-Service Date. Payment shall be made within thirty (30) calendar days thereafter.

- 9.5 LADWP shall bill Customer monthly for maintenance service on the LADWP Facility pursuant to Exhibit C of this Agreement.
- 9.6 If it is determined, pursuant to Subsection 5.4 of this Agreement, that LADWP must make improvements, additions, or other changes to either the LADWP Facility or to LADWP's electric system, LADWP shall bill Customer for all costs incurred for such improvements, additions, or other changes. The Maintenance Costs determined pursuant to Exhibit C shall be adjusted to reflect changes in the LADWP Facility.

10. **ELECTRIC SERVICE BILLING DETERMINATIONS:**

- 10.1 LADWP shall bill Customer for Electric Service after the end of each billing period. The bill shall be calculated using the applicable rates in the appropriate rate schedule in the Electric Rate Ordinance and recorded billing data that shall consist of metered values deemed required by LADWP. The recorded billing data shall be obtained from LADWP revenue meters and recorders. Customer shall send the payment to the address specified in Subsection 11.2.
- 10.2 For Excess Energy purchased by LADWP during the just-ended billing period, LADWP shall pay Customer a dollar amount equal to the recorded amount of Excess Energy times the Standard Energy Credit. For Administrative convenience, LADWP shall deduct the dollar amount owed Customer for Excess Energy from Customer's monthly bill for electric service at the location and service point of a Generation Facility.

11. **BILLINGS AND PAYMENTS:**

- 11.1 Billings and payments pursuant to Section 9, Interconnection Billing Determinants, shall be transmitted to the following addresses:

11.1.1 If to LADWP:

Department of Water and Power
of the City of Los Angeles
P. O. Box 30870, Room 434
Los Angeles, California 90030-0870
Attention: General Accounting

11.1.2 If to Customer:

LAHD

425 S. PALOS VERDES STREET

SAN PEDRO, CA 90731

Attention: ACCOUNTS PAYABLE

11.2 Billings and payments pursuant to Section 10, Electric Service Determinations, shall be transmitted to the following addresses:

11.2.1 If to LADWP:

Department of Water and Power
of the City of Los Angeles
P. O. Box 51111
Los Angeles, California 90051-5700
Attention: Accounts Receivable

11.2.2 If to Customer:

LAHD

425 S. PALOS VERDES STREET

SAN PEDRO, CA 90731

Attention: ACCOUNTS PAYABLE

11.3 Either Party may change, by written notice to the other Party, the name or address of the person to receive invoices or payments pursuant to this Agreement.

11.4 All bills, except as provided otherwise in this Agreement, are due and payable upon presentation. Payment shall be made in accordance with the Rules.

11.5 If the correctness of any bill for Electric Service, or any part thereof, or if the correctness of other charges or practices of LADWP is disputed by Customer, LADWP shall conduct an investigation in accordance with the Rules.

12. INGRESS AND EGRESS:

12.1 LADWP shall have, at all times, the right of ingress to and egress from Customer's premises for the following reasons:

12.1.1 Any purpose related to furnishing or receiving electric energy under this Agreement.

12.1.2 In order to exercise any and all rights secured to LADWP by law, this Agreement, or the Rules.

12.2 While on Customer's premises, LADWP shall abide by Customer's safety rules and regulations.

13. **INSURANCE:**

13.1 Unless otherwise agreed to in writing by the Authorized Representatives, Customer or any person or entity acting on Customer's behalf including, but not limited to, any agent, designee, contractor, or lessee shall, at their own expense, maintain in effect at all times insurance coverage with limits not less than those set forth below. Such coverage may be on either an occurrence basis or a claims-made basis. Any insurance carried by LADWP, which may be applicable, shall be deemed to be excess insurance. Customer's insurance shall be deemed primary.

13.2 Coverages for Comprehensive General Liability Insurance, Premises and Operations, Contractual Liability, Products and Completed Operations, Broad Form Property Damage, Personal Injury, Independent Contractors, and, if applicable, Explosion Hazard, Collapse and Underground Hazard shall be furnished.

13.3 For Generation Facilities with a total installed generation nameplate rating of 100 kW or less, Customer shall provide coverage for a combined single limit of not less than \$500,000 for each occurrence or not less than \$1,000,000 for each claim.

13.4 For Generation Facilities with a total installed generation nameplate rating of greater than 100 kW, Customer shall provide coverage for a combined single limit of not less than \$1,000,000 for each occurrence or not less than \$2,000,000 for each claim.

13.5 Customer shall furnish LADWP's Risk Manager at the address shown in Subsection 13.6 with insurance endorsements on endorsement forms acceptable to LADWP's Risk Manager. The endorsements shall be evidence that policies providing the required coverages and limits of insurance are in full force and effect.

13.6 The insurance endorsements shall name the City of Los Angeles, the Board, LADWP, and their officers, agents, and employees, while acting within the scope of their employment, as additional insureds with the Customer. The endorsements shall also contain a provision that the policy

cannot be canceled or reduced in coverage or amount without first giving thirty (30) calendar days' written notice by registered mail to LADWP at the following address:

Department of Water and Power
of the City of Los Angeles
P.O. Box 51111, Room 465
Los Angeles, California 90051-5700
Attention: Risk Management Section

- 13.7 The foregoing insurance requirements are not intended to and shall not in any manner limit or qualify the liabilities and obligations assumed by Customer under this Agreement.
- 13.8 Failure of Customer to maintain such insurance, or to provide such endorsements to LADWP when due, shall result in the disconnection of the Generation Facilities authorized and listed in Exhibit E from LADWP's electric system pursuant to Section 8.
- 13.9 LADWP shall not be liable to Customer or any person or entity acting on Customer's behalf including, but not limited to, any agent, designee, contractor, or lessee for damages resulting from the disconnection of a Generation Facility from LADWP's electric system.
14. **INDEMNIFICATION:**
- 14.1 In the performance of this Agreement, and for all periods where Customer operates or has operated a generation source electrically connected to LADWP's electric system, Customer shall indemnify, defend, and hold harmless the City of Los Angeles, the Board, LADWP, and their officers, agents, and employees from and against any and all liability, costs, losses, claims, demands, actions and causes of action, for damages to the person or property of any person or entity, including the Parties to this Agreement, attributable to, in whole or in part, or resulting from the actions or omissions of Customer or any person or entity acting on Customer's behalf including, but not limited to, any agent, designee, contractor, or lessee.
- 14.2 LADWP shall not be indemnified under this Section 14 for liability or loss resulting from its sole negligence or willful misconduct.

15. ADMINISTRATION:

- 15.1 Within thirty (30) calendar days after the effective date of this Agreement, Customer and LADWP's General Manager or designee shall each designate, by written notice to the other, a representative who is authorized to act in each Party's behalf with respect to those matters delegated to the Authorized Representatives. Each Party may delegate an authorized alternate with full authority to act in the absence of the Authorized Representative. Each Party shall have the right to change its Authorized Representative or authorized alternate by written notice to the other Party.
- 15.2 The Authorized Representatives shall provide liaison between the Parties and a means of securing effective cooperation, interchange of information, and consultation on a prompt and orderly basis concerning the various matters that may arise, from time to time, in connection with this Agreement.
- 15.3 The Authorized Representatives shall review and attempt to resolve any disputes between the Parties under this Agreement. Should the Authorized Representatives be unable to resolve a dispute, the matter shall be referred to Customer and LADWP's General Manager or designee who shall use their best efforts for resolution.
- 15.4 Prior to the In-Service Date for each location and electric service point authorized and listed in Exhibit E, the Authorized Representatives shall agree on written procedures pertaining to the synchronization, operation, maintenance, administration, and other activities that may require coordination between the Parties.
- 15.5 All actions, agreements, resolutions, determinations, or reports made by the Authorized Representatives shall be made in writing and shall become effective when signed by the Authorized Representatives.
- 15.6 Any expenses incurred by an Authorized Representative or authorized alternate in connection with their duties shall be paid by the Party they represent unless otherwise agreed to in writing by Customer and LADWP's Director of Power System Operations and Maintenance.
- 15.7 The Authorized Representatives shall have no authority to modify this Agreement.

16. **DEFAULT:**

- 16.1 **Default by Customer:** The occurrence of any of the following shall constitute a material breach and default of this Agreement by Customer:
- 16.1.1 Failure by Customer to make payment to LADWP of uncontested amounts within the time set forth in Section 10 herein; or
- 16.1.2 Failure by Customer to comply with requirements pertaining to the safety of persons or property set forth herein, in the Electric Rate Schedules, or in the applicable Electric Service Requirements; or
- 16.1.3 Failure by Customer to substantially observe and perform any other material provision of this Agreement where such failure continues for thirty (30) calendar days after receipt by Customer of written notice from LADWP. Provided, however, that if the nature of such default is curable, but that the same cannot with due diligence be cured within the thirty (30) calendar day period Customer shall not be deemed to be in default if it shall within the thirty (30) calendar day period commence to cure the default and, thereafter, diligently prosecute the same to completion.

- 16.2 **Default by LADWP:** Failure by LADWP to substantially observe and perform any material provision required by this Agreement, where such failure continues for thirty (30) calendar days after receipt of written notice from Customer, shall constitute a material breach and default by LADWP of this Agreement. Provided, however, that if the nature of such default is curable, but that the same cannot with due diligence be cured within the thirty (30) calendar day period LADWP shall not be deemed to be in default if it shall within the thirty (30) calendar day period commence to cure the default and, thereafter, diligently prosecute the same to completion.

17. **REMEDIES UPON DEFAULT:** Each party shall be entitled to money damages according to proof of actual damages resulting from default of the other and, in addition, each party shall have the right to terminate this Agreement upon the occurrence of any of the events of default described in Section 16. In no event shall incidental or consequential damages be payable.

18. **FORCE MAJEURE:** Neither Party shall be considered to be in default in the performance of any of its obligations under this Agreement (other than obligations

of said Party to make payments due) if failure of performance shall be due to an uncontrollable force. The term "uncontrollable force" shall mean any cause beyond the control of the Party affected, including, but not limited to, failure of or threat of failure of facilities, flood, earthquake, storm, fire, lightning, epidemic, war, civil disturbance or disobedience, labor dispute, labor or material shortage, sabotage, restraint by court order or public authority, and action or non-action by or inability to obtain authorizations or approvals from any governmental agency or authority, which by exercise of due diligence it shall be unable to overcome. Nothing contained herein shall be construed so as to require a Party to settle any strike or labor dispute in which it may be involved. Either Party rendered unable to fulfill any obligation under this agreement by reason of uncontrollable force shall give prompt notice of such fact to the other Party and shall exercise due diligence to remove any inability with all reasonable dispatch.

19. **AUTHORIZATIONS AND APPROVALS:**

19.1 Each Party shall obtain all the necessary authorizations, licenses, approvals, and permits from Federal, State, or local agencies having jurisdiction.

19.2 This Agreement and all operations hereunder are subject to the applicable laws, ordinances, orders, rules, and regulations of local, State, and Federal governmental authority having jurisdiction.

20. **EFFECT OF SECTION HEADINGS:** Section headings appearing in this Agreement are inserted for convenience only and shall not be construed as interpretations of text.

21. **NONWAIVER:** None of the provisions of this Agreement shall be deemed waived unless expressly waived in writing. Any omission or failure of either Party to demand or enforce strict performance of provisions of the Agreement shall not be construed as a waiver or as a relinquishment of any rights. All provisions and rights shall continue and remain in full force and effect as if such omission or failure had not occurred.

22. **NONDEDICATION OF FACILITIES:** This Agreement shall not be construed as a dedication of any properties or facilities, or any portion thereon, by either Party to each other or the public.

23. **NO THIRD-PARTY BENEFICIARIES:** This Agreement is for the sole benefit of the Parties hereto and shall not be construed as granting rights to any person or entity other than the Parties or imposing on either Party obligations to any person other than a Party.

24. **NOTICES:**

24.1 Any written notice under this Agreement shall be deemed properly given if delivered in person or sent by registered or certified mail, postage prepaid, to the person specified below unless otherwise provided for in this Agreement:

24.1.1 **If to LADWP:**

Department of Water and Power
of the City of Los Angeles
P. O. Box 51111, Room 819
Los Angeles, California 90051-5700

24.1.2 **If to Customer:**

LAHD

425 S. PALOS VERDES STREET

SAN PEDRO, CA 90731

Attention: **DEPUTY EXECUTIVE DIRECTOR, BUSINESS DEVELOPMENT**

24.2 Either Party may, by written notice to the other Party, change the name or address of the person to receive notices pursuant to this Agreement.

25. **TRANSFER OF INTEREST:** Neither Party shall assign or transfer this Agreement, in whole or in part, without the prior written consent of the other Party. The consent to assign or transfer shall not be unreasonably withheld. LADWP's General Manager or designee shall execute assignment or transfer of this Agreement or the consent to assign or transfer this Agreement.

26. **SEVERAL OBLIGATIONS:** The duties, obligations, and liabilities of the Parties are several and not joint or collective. Nothing contained in this Agreement shall be construed to create an association, trust, partnership, or joint venture or to impose a trust, partnership duty, obligation, or liability on or with regard to either Party. Each Party shall be individually and severally liable for its own obligations under this Agreement.

27. **SEVERANCE:** If any paragraph, sentence, clause, phrase, or word shall become without full effect due to any judicial decision, the balance of this Agreement shall remain in full force and effect provided that the purposes of this Agreement can still be fulfilled.
28. **EFFECTIVE DATE AND TERM:**
- 28.1 This Agreement shall become effective upon the date of execution by the Parties.
- 28.2 This Agreement terminates thirty-six (36) months from the Effective Date.
- 28.3 Upon the date of termination of this Agreement all rights to services provided hereunder shall cease and neither Party shall claim or assert any continuing right to such services hereunder. However, such termination shall not affect the rights and obligations to pay money for transactions occurring prior to termination. Such termination shall not end indemnification, pursuant to Section 14, provided to LADWP by Customer for periods where customer operates or has operated a generation source electrically connected to LADWP's electric system.
29. **GOVERNING LAW:** This Agreement shall be interpreted in accordance with the Charter of the City of Los Angeles, as amended, the laws of the State of California, and all applicable Federal laws, rules, and regulations. Any lawsuit relating to this Agreement shall be filed in the County of Los Angeles.
30. **CHILD SUPPORT ASSIGNMENT ORDERS:**
- 30.1 This Agreement is subject to Section 10.10, Article 1, Chapter 1, division 10 of the Los Angeles Administrative Code, Child Support Assignment Orders Ordinance. Customer is required to complete a Certificate of Compliance with Child Support Obligations, which is attached as Exhibit D and incorporated herein by this reference. Pursuant to this ordinance, Customer shall:
- 30.1.1 Fully comply with all State and Federal employment reporting requirements applicable to Child Support Assignment Orders;
- 30.1.2 Certify that the principal owner(s) of Customer are in compliance with any Wage and Earnings Assignment Orders and Notices of Assignment applicable to them personally;

- 30.1.3 Fully comply with all lawfully served Wage and Earnings Assignment Orders and Notices of Assignment in accordance with California Family code section 5230, et seq., and
- 30.1.4 Maintain such compliance throughout the term of this Agreement.
- 30.2 Pursuant to Section 10.10b of the Los Angeles Administrative Code, failure of Customer to comply with all applicable reporting requirements or to implement lawfully served Wage and Earnings Assignment Orders and Notices of Assignment or the failure of any principal owner(s) of Customer to comply with any Wage and earnings Assignment Orders and Notices of Assignment applicable to them personally shall constitute a default by Customer under the terms of this Agreement, subjecting this Agreement to termination where such failure shall continue for more than ninety (90) calendar days after notice of such failure to Customer by City.
- 30.3 Any subcontract entered into by Customer relating to this Agreement, to the extent allowed hereunder, shall be subject to the provisions of this Section and shall incorporate the provisions of the Child Support Assignment Orders Ordinance. Failure of Customer to obtain compliance of its subcontractors shall constitute a default by Licensee under the terms of this Agreement, subjecting this Agreement to termination where such failure shall continue for more than ninety- (90) calendar days after notice of such failure to Customer by the City.
- 30.4 Customer shall comply with the Child Support Compliance Act of 1998 of the State of California Employment Development Department. Customer assures that to the best of its knowledge it is fully complying with the earnings assignment orders for all employees, and is providing the names of all new employees to the New Hire Registry maintained by the Employment Development Department as set forth in subdivision (1) of the Public Contract Code 7110.
31. **UNDERSTANDING:** This Agreement contains the entire understanding between the Parties with respect to the subject matter hereof, and there are no other promises, terms, conditions, obligations, understandings, or agreements between the Parties with respect thereto. This Agreement supersedes all previous

communications, representations, understandings, and agreements, either oral or written, between the Parties with respect to the subject matter hereof.


32. **REPRESENTATION**: Each Party has been represented by legal counsel in the negotiation and execution of this Agreement.
33. **EXHIBITS**: Exhibits A through E attached hereto are incorporated herein by this reference.

34. **EXECUTION:** IN WITNESS WHEREOF, the signatories hereto represent that they have been appropriately authorized to enter into this _____
- LADWP Customer Generation Interconnection Agreement on behalf of the Party for whom they sign. This Agreement is hereby executed on the day and year written below.

THE CITY OF LOS ANGELES HARBOR DEPARTMENT

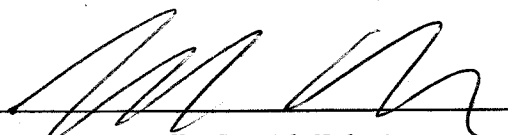
(Customer)

By:

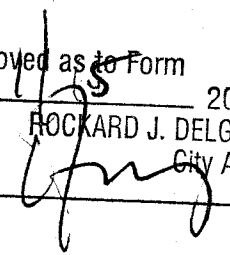
Name (Signature): 
Name (Print): GERALDINE KNATZ, PH.D.
Title: EXECUTIVE DIRECTOR
Date: 1/16/09

**DEPARTMENT OF WATER AND POWER OF
THE CITY OF LOS ANGELES**

By:

Name (Signature): 
Name (Print): H. David Nahai
Title: Chief Executive Officer
and General Manager
Date: 3/6/09

Resolution No.: 009-089
Date: October 21, 2008

Approved as to Form 20 09

ROCKARD J. DELGADILLO
City Attorney
By _____ Deputy

APPROVED AS TO FORM AND LEGALITY
ROCKARD J. DELGADILLO, CITY ATTORNEY

FEB 17 2009
BY 
STANTON J. SNYDER
Assistant City Attorney

EXHIBIT A

CUSTOMER GENERATION FACILITY DATA SHEETS

(Submit one set for each Generation Facility Listed in Exhibit E)

Facility Name: SEE EXHIBIT E

Address: _____

Owner/Company: LAHD

Contact Person: CHIEF HARBOR ENGINEER Phone: 310-732-3877

Primary Product/Service of Facility: CARGO/CRUISE TERMINAL

Unit Start-Up Date: _____

SYSTEM CHARACTERISTICS

Capacities: Nameplate Rating _____ kW

Thermal _____ BTU/Hr _____ lbs./Hr

Operations: Schedule 24/7 hours/day 365 days/year

Typical Daily Profile, O = On and X = Off

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 Control Mode:

INTERCONNECTION WITH LADWP

_____ Isolated, no connection to power grid

X Parallel, connected to grid to purchase power

_____ Parallel, connected to grid, Utility owned or operated

_____ Electric Load including planned expansions

GENERATION FACILITY DESCRIPTION

Schematic Diagram

Written Description

(Use additional pages if necessary)

ANNUAL PLAN PRODUCTION/USE CHARACTERISTICS

OUTPUT: Electric _____ kWh
 Thermal _____ Billion BTUs
 Mechanical _____ HP-hr
 CONSUMPTION: Electric _____ kWh
 Thermal _____ MM BTUs
 PEAK DEMAND: Electric _____ kW
 Thermal _____ MM BTUs/hr
 System Efficiency _____ percent
 Net Heat Rate _____ BTU/kWh
 Fuel Type _____ Amount Used _____
 _____ MMBTUs

ECONOMIC CHARACTERISTICS

Capital Costs _____ O&M Costs _____ \$/year
 Fuel Costs: _____ \$/year
 Cost of Generated Electricity _____ cents/kWh

FOR LADWP USE ONLY:

ACCOUNT REPRESENTATIVE _____

CS No. _____ VOLTAGE CONNECTION _____

EXHIBIT B

**SINGLE-LINE DIAGRAM AND EQUIPMENT LIST
FOR THE LADWP FACILITY**

If a LADWP Facility associated with any Generation Facility listed in Exhibit E is constructed, a Single-Line Diagram and Equipment List for that LADWP Facility will be attached to this Agreement. After a LADWP Facility has been designed and constructed, LADWP's Authorized Representative will provide a copy of Exhibit B for each LADWP facility constructed for Customer's files.

EXHIBIT C

MONTHLY CHARGE FOR MAINTENANCE SERVICE

If a LADWP Facility associated with any Generation Facility listed in Exhibit E is constructed, the monthly charge for maintenance service on that LADWP Facility shall be based on the purchase price of all equipment installed at the LADWP Facility necessary for the safe, parallel operation of the associated Customer Generation Facility.

Initially, the monthly charge will be equal to one-half (1/2) percent per month of the estimated cost of such equipment. The monthly maintenance service charge shall begin on the first day of the first month following the In-Service Date of the LADWP Facility. If the In-Service Date does not fall on the first of the month, the first monthly bill shall be prorated to include the partial month, plus the normal monthly payment. For minimal cost projects, the monthly charge for maintenance service may be billed on a quarterly, semi-annual, or annual basis for the preceding three (3), six (6), or twelve (12) months.

When the actual costs for the LADWP Facility equipment have been determined, the monthly maintenance service charge shall be adjusted to reflect the true cost of the equipment. Adjustments to the monthly charge will also be made whenever equipment is removed or installed pursuant to Subsection 8.4 herein.

The monthly charge for maintenance service shall be adjusted annually by LADWP for inflation. Such adjustments shall be equal to the current monthly charge times the sum of one (1) plus the Consumer Price Index (CPI) for the Los Angeles area. Adjustments shall become effective January 1 of the first year following the Effective Date. Inflation adjustments shall be made as soon as the CPI information becomes available.

EXHIBIT E

Facility	Maximum Output (kw)	Location Address	Electric Service Identification (LADWP Entry)			
			Prfx	Size	Meter No.	Account Service No.
A	2800 (2.8MW)	BERTH 100			6019 0002	L27158
B	2800 (2.8MW)	BERTH 212-216			6019 00004	17-09914
C	30000 (30MW)	BERTH 91-93				
D	2800 (2.8MW)	BERTH 227-232				
E						
F						
G						
H						
I						
J						

Authorized on (date): _____

For LADWP

by: _____

For Customer

by: _____