

DOCKETED

Docket Number:	16-EPS-01
Project Title:	Emissions Performance Standard
TN #:	213707
Document Title:	California Energy Commission Compliance Filing for Intermountain Power Project Repowering Project
Description:	LADWP staff presentation to LADWP Board for approval of the EPS compliance filing.
Filer:	Michael Nyberg
Organization:	Los Angeles Department of Water & Power
Submitter Role:	Public
Submission Date:	9/19/2016 8:51:02 AM
Docketed Date:	9/19/2016



Los Angeles
Department of
Water & Power

RESOLUTION NO. _____

BOARD LETTER APPROVAL

A handwritten signature in black ink, reading 'Michael S. Webster', is positioned above the name and title of the Executive Director.

MICHAEL S. WEBSTER
Executive Director – Power System
Engineering and Technical Services

A handwritten signature in black ink, reading 'David H. Wright', is positioned above the name and title of the General Manager.

DAVID H. WRIGHT
General Manager

DATE: September 7, 2016

SUBJECT: California Energy Commission Compliance Filing for
the Intermountain Power Project Repowering Project

SUMMARY

The Los Angeles Department of Water and Power (LADWP) is pursuing its strategy of moving toward a clean and sustainable energy future as described in its Power Integrated Resource Plan (IRP). Specific IRP initiatives include achieving 50 percent renewable energy by the year 2030, expanding the Transportation Electrification and Energy Efficiency Programs, increasing local solar and energy storage projects, and eliminating coal from LADWP's generation portfolio. The attached Resolution addresses a significant step towards achieving these goals and will lead to the complete elimination of coal from LADWP's generation portfolio two years earlier than specified by existing contract provisions, opening up additional transmission capacity to deliver renewable generation, providing quick ramp rates that are essential for integration of renewable generation resources, and maintaining the stability of the transmission grid.

Approval from the Board of Water and Power Commissioners (Board) is being sought to allow LADWP to submit to the California Energy Commission (CEC) a Compliance Filing for the Intermountain Power Project (IPP) Repowering Project. While renewable energy and energy efficiency meet a significant portion of our energy needs, some conventional generation is necessary to support the transmission system. The goal of the IPP Repowering Project (or "Project") is to accelerate LADWP's coal divestiture by two years, and replace the 1,800 MWs of coal-fired generation with smaller Natural Gas Combined Cycle (NGCC) units that support the full use of the IPP transmission line to import energy to Los Angeles. With the reduction of the total plant output as well as the conversion to natural gas, this repowering results in the elimination of approximately 14.9 billion pounds of CO₂ each year.

The Compliance Filing describes the NGCC units, including their Greenhouse Gas (GHG) emissions, which must be in compliance with the CEC's Emission Performance Standard (EPS). This Compliance Filing is required by current California State Law enacted by Senate Bill (SB) 1368 which limits California electric utilities from entering into new or renewal long-term contracts for the purchase of power from baseload generation power plants that exceed an EPS of 1,100 pounds (lbs) of carbon dioxide (CO₂) per megawatt-hour (MWh).

The IPP Repowering Project is authorized pursuant to the provisions of the Second Amendatory Power Sales Contract, which was approved by the Board and the Los Angeles City Council, on June 2, 2015 and August 18, 2015, respectively.

City Council approval is not required.

RECOMMENDATION

It is recommended that the Board of Water and Power Commissioners adopt the attached Resolution approving LADWP's Compliance Filing pursuant to the CEC's EPS regulations.

ALTERNATIVES CONSIDERED

This Compliance Filing is a regulatory requirement. No other alternatives were considered.

FINANCIAL INFORMATION

This Compliance Filing satisfies a regulatory requirement at no cost to LADWP.

BACKGROUND

IPP, which is owned by the Intermountain Power Agency (IPA), a political subdivision of the State of Utah, consists of an 1,800-MW net coal-fired power plant located near Delta, Utah. LADWP and 5 other California publicly owned utilities (Anaheim, Burbank, Glendale, Pasadena, and Riverside), along with 23 Utah municipalities, and 6 Rural Electric cooperatives currently purchase power from IPP, under the current Power Sales Contracts. Since IPP is a joint project, it required the concurrence of all participants to amend the existing contracts.

The LADWP, as IPP's Operating Agent, led the strategic planning efforts in negotiating the agreements that will allow for the repowering of IPP from its current 1,800 MWs of coal-fired generation to no more than 1,200 MWs of CEC EPS-compliant natural gas-fired generation. The IPP Repowering Project is authorized pursuant to the provisions of the Second Amendatory Power Sales Contract, which was approved by the Board and the Los Angeles City Council, on June 2, 2015 and August 18, 2015, respectively. Per the same approval process, the LADWP was authorized to enter into the Renewal Contracts, when later offered by IPA.

On March 16, 2016, the Second Amendatory Power Sales Contract went into effect, allowing for the repowering of IPP's coal-fired generating units with CEC EPS-compliant NGCC units by July 1, 2025. The Project will accelerate LADWP's complete coal divestiture two years earlier than originally dictated by contract. The Project will include the construction and installation of two NGCC units, each with a design capacity of approximately 600 megawatts (MWs) and expected CO₂ emissions of approximately 800 lbs CO₂/MWh, as compared to coal-fired generation which emits roughly 2,000 lbs CO₂/MWh. The ability to replace the coal units two years earlier than originally planned is contingent upon several factors, including permitting, material procurement, and final concurrence of all participants. Although LADWP is planning to complete the Project by 2025, the commercial operation date may be delayed due to circumstances beyond LADWP's control.

Per contractual provisions, purchasers of IPP's energy beyond June 15, 2027 must obtain necessary regulatory approvals prior to entering into the Renewal Power Sales Contracts and the Agreement for Sale of Renewal Excess Power (Renewal Contracts), which provide for the procurement of electricity from the repowered IPP through 2077. Pursuant to the California Code of Regulations (CCR) Title 20 Section 2909, as adopted by the CEC to implement SB 1368, the CEC requires a public notice of deliberation and a subsequent Compliance Filing for entering into a covered procurement, which includes any new or renewed contract for the procurement of electricity from a baseload power plant with a term of five years or more. While LADWP already satisfied the requirements for a public notice of deliberation which took place at its June 2, 2015 Board meeting, LADWP must now submit this subsequent Compliance Filing to the CEC in conjunction with entering into the Renewal Contracts to establish the Project's compliance with the CEC's EPS. The CEC will then evaluate the Project and verify its compliance with its EPS. In compliance with SB 1368 regulations, LADWP is requesting the approval of the attached Compliance Filing documentation for submittal to the CEC.

ENVIRONMENTAL DETERMINATION

In accordance with Section 15060 (c)(2) of the California Environmental Quality Act (CEQA) Guidelines, an activity is not subject to CEQA if it will not result in a direct or reasonably foreseeable indirect physical change in the environment. Since the submittal of this Compliance Report will not lead to any physical change, this action is not subject to CEQA.

CITY ATTORNEY

The Office of the City Attorney reviewed and approved the Resolution as to form and legality.

ATTACHMENTS

- Resolution
- Compliance Filing

WHEREAS, by Resolution No. 512 dated April 3, 1980, the Board of Water and Power Commissioners (Board) requested the Los Angeles City Council (City Council) to authorize the General Manager of the Los Angeles Department of Water and Power (LADWP) or designated representative to authorize the Board, in its discretion, to enter into LADWP Agreement No. 10437, Power Sales Contract, to purchase coal-fired generation from the Intermountain Power Project (IPP); and

WHEREAS, by Ordinance No. 153889, passed by the City Council on May 15, 1980, the City Council provided such authorization; and

WHEREAS, by Resolution 220 dated January 20, 1983, the Board authorized an Amendatory Power Sales Contract as an amendment to DWP Agreement No. 10437; and

WHEREAS, by Ordinance No. 157464, passed by the City Council on February 4, 1983, the City Council provided such authorization; and

WHEREAS, by Resolution 15-232 dated June 2, 2015, the Board authorized the Second Amendatory Power Sales Contract as an amendment to DWP Agreement No. 10437 and the delegation of authority to enter into the Renewal Power Sales contract and the Agreement for Sale of Renewal Excess Power (Renewal Contracts); and

WHEREAS, by Ordinance No. 183818, passed by the City Council on August 18, 2015, the City council provided such authorization; and

WHEREAS, IPP has been operating as a coal-fired power plant for approximately 30 years, and LADWP has served as the Project Manager and Operating Agent on behalf of IPP's owner, the Intermountain Power Agency (IPA); and

WHEREAS, the Second Amendatory Power Sales Contract, which further amends DWP Agreement No. 10437, provides for the ability to repower IPP's fuel source from its current 1,800 Megawatts (MWs) net of coal-fired generation to no more than 1,200 MWs of EPS-compliant natural gas-fired combined cycle generation; and

WHEREAS, IPA requires that the purchasers receive all required governmental regulatory approvals and other required consents or approvals (including all approvals required by Purchaser's governing bodies) before entering into the Renewal Contracts; and

WHEREAS, the Project is subject to the California Energy Commission's (CEC) Emission Performance Standard regulations (EPS Regulations; 20 CCR § 2900 *et seq.*), including the requirement in 20 CCR § 2909 that a publicly-owned utility submit a compliance filing with the CEC within 10 business days of entering into a "covered procurement" as therein defined (Compliance Filing); and

WHEREAS, the EPS Regulations require that the Compliance Filing be first approved by the Board prior to submitting it to the CEC.

WHEREAS, based on the Board's knowledge, information or belief, the Compliance Filing does not contain a material misstatement or omission of fact and the Renewal Contracts comply with the EPS Regulations.

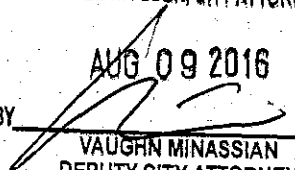
NOW, THEREFORE, BE IT RESOLVED, that the Compliance Filing now on file with the Secretary of the Board and approved as to form and legality by the City Attorney, be and the same are hereby approved.

BE IT FURTHER RESOLVED, that the President or Vice President of the Board, or the General Manager of the LADWP or such other person as the General Manager shall designate in writing, and the Secretary, Assistant Secretary or the Acting Secretary of the Board are hereby authorized and directed to execute and submit the Compliance Filing and any and all other related documents and instruments to the CEC.

I HEREBY CERTIFY that the foregoing is a full, true, and correct copy of the resolution adopted by the Board of Water and Power Commissioners of the City of Los Angeles at its meeting held

Secretary

APPROVED AS TO FORM AND LEGALITY
MICHAEL N. FEUER, CITY ATTORNEY

AUG 09 2016
BY 
VAUGHN MINASSIAN
DEPUTY CITY ATTORNEY

September xx, 2016

California Energy Commission
EPS Compliance
1516 Ninth Street
Sacramento, CA 95814-512
Attention: Compliance Filing

Subject: California Energy Commission Compliance Filing for the Intermountain Power
Project Repowering Project

Dear Sir or Madam:

The Los Angeles Department of Water and Power (LADWP) hereby submits the attached Compliance Filing package, seeking California Energy Commission (CEC) approval of the Compliance Filing for the IPP Repowering as required by the Senate Bill (SB) 1368. The Intermountain Power Agency (IPA) holds legal title to the Intermountain Power Project (IPP), which includes two 900 MW (net) coal generating units located near Delta, Utah. The LADWP is IPA's Project Manager and Operating Agent for IPP. The LADWP, along with other municipal and cooperative entities (Purchasers), buy IPP's energy.

IPA, LADWP and the other Purchasers are now pursuing the IPP Repowering Project, which is scheduled to replace IPP's coal generating units with SB 1368 Emission Performance Standards (EPS) compliant Natural Gas Combined Cycle (NGCC) generating unit. The target date to replace the coal units is July 1, 2025, almost two years ahead of the June 15, 2027 expiration date of the current Power Sales Contracts between IPA and the Purchasers. However, the ability to meet this earlier date is contingent upon several factors, including permitting, material procurement and final concurrence of all 35 participants. Although LADWP is planning to complete the repowering project by 2025, the commercial operation date may be delayed due to circumstances beyond LADWP's control.

This project is a critical step towards achieving LADWP's goals of reducing its Greenhouse Gas (GHG) emissions and integrating additional renewable resources into its generation portfolio. This repowering will result in LADWP's complete divestiture of all coal based fuel in its portfolio of generation resources, opens up additional transmission capacity to deliver renewable generation, maintains the stability of the transmission system, and provides quick ramp rates that are essential for integration of renewable generation resources. If this Compliance Filing is not approved by the CEC, the IPP Repowering Project will not proceed, and the existing IPP coal generating units will continue to generate energy until June 15, 2027 (and potentially beyond).

The IPP Repowering Project is uniquely complex because of the number and geographical diversity of the Purchasers and the multiple contracts governing the scope and schedule of the Project. The goal is to build NGCC generating units that can meet the changing demands of utilities in both California and Utah and the changing generation requirements necessary for the successful integration of renewable variable energy resources.

Background

IPA, a political subdivision of the State of Utah, began construction of IPP in October 1981, with commercial operation of Unit 1 commencing in June, 1986 and of Unit 2 in May, 1987. Each Purchaser's share of IPP's generation was established by a Power Sales Contract, as entered into between IPA and the Purchasers. LADWP buys the largest share of IPP's generation. The Purchasers include 23 Utah municipalities, six Rural Electric Cooperatives, and six California municipalities as follows:

UTAH MUNICIPAL PURCHASERS:

Beaver
Bountiful
Enterprise
Ephraim
Fairview
Fillmore
Heber
Holden
Hurricane
Hyrum
Kanosh
Kaysville
Lehi
Logan
Meadow
Monroe
Morgan
Mt. Pleasant
Murray
Oak City
Parowan
Price
Spring City

UTAH COOPERATIVE PURCHASERS:

Bridger Valley REA
Dixie-Escalante REA
Flowell Electric Assoc.
Garkane Power Assoc.
Moon Lake Elec. Assoc.
Mt. Wheeler Power, Inc.

CALIFORNIA PURCHASERS:

Anaheim
Burbank
Glendale
LADWP
Pasadena
Riverside

Although the Power Sales Contracts will expire on June 15, 2027, those contracts require IPA to offer the Purchasers the right to continue participating in an IPP repowering beyond that date by entering into the Renewal Power Sales Contracts and the Agreement for Sale of Renewal Excess Power (Renewal Contracts).

After entering into the Renewal Contracts, all California Purchasers, except LADWP, have the right to terminate the contracts or to reduce their Generation Entitlement Share no later than November 1, 2019.

Description of the IPP Repowering Project

Given IPA's obligation to offer the Purchasers a right to participate in an IPP repowering after the expiration of the current Power Sales Contracts, IPA, LADWP and the other Purchasers are now pursuing entering into Renewal Contracts, which would allow for energy procurement from NGCC generating units. IPA, with LADWP as Project Manager, is thus undertaking a natural gas repowering, defined in the Second Amendatory Power Sales Contract as the construction and installation of two NGCC power blocks, each with a design capacity of 600 MW.

Based on the generation power blocks currently available on the market, there are three (3) options for this generation output and generation type, as summarized in Attachment A.

Purchasers who choose to enter into the Renewal Contracts must obtain all Regulatory Contract Approvals, defined in the Renewal Power Sales Contracts as "all governmental regulatory approvals, consents and authorizations required or necessary" for the Purchaser to execute, perform under and be bound by the Renewal Power Sales Contract. If any Regulatory Contract Approval is denied a Purchaser, including one by the CEC, the Renewal Power Sales Contract for that Purchaser will be void.

Compliance Filing

Pursuant to 20 CCR § 2900 *et seq.*, of the California Code of Regulations, adopted by the CEC to implement Senate Bill 1368, the LADWP hereby submits the attached Compliance Filing. In submitting this filing, LADWP respectfully requests that the CEC determine that the IPP Repowering Project pursuant to the Second Amendatory Power Sales Contract is in compliance with the EPS regulations promulgated by the CEC.

On June 2, 2015, the LADWP Board of Water and Power Commissioners (Board), at a noticed public meeting consistent with the requirements of the Ralph M. Brown Act ("Brown Act" Cal. Govt. Code § 54950 *et seq.*) approved and authorized the execution and delivery of the Second Amendatory Power Sales Contract, which allows the repowering of IPP's coal-fired generating

units with EPS-compliant NGCC units by July 2025, accelerating the coal divestiture date by two years, assuming Renewal Power Sales Contracts are thereafter in place.

On August 18, 2015, the Los Angeles City Council, at a noticed public meeting, approved and authorized the execution and delivery of the Second Amendatory Power Sales Contract, which ultimately went into effect on March 16, 2016.

Additionally, on May 29, 2015, LADWP also provided notice to the CEC of its intent to deliberate at its June 2nd, 2015 Board meeting on a covered procurement, the Renewal Contracts, which provide for the procurement of electricity from the Project until 2077, consistent with 20 CCR § 2908.

The CEC Compliance Filing is shown as Attachment A. Attachment B includes LADWP Board Resolution No. 2016-XX, adopted on XXXXXX. Attachment C is the attestation required by 20 CCR § 2909.

If the CEC has any questions or requests additional information regarding this coal divestiture and repowering with NGCC units, please contact Hamid V. Nejad, Director of Power and Fuel Purchase Division at 213-367-3273.

Sincerely,

Michael S. Webster
Executive Director – Power System
Engineering and Technical Services

Attachments

Attachment A

CALIFORNIA ENERGY COMMISSION EMISSION PERFORMANCE STANDARD COMPLIANCE FILING

DESCRIPTION OF IPP REPOWERING PROJECT

Name of Facility: Intermountain Power Project

Location of Facility: 850 W Brush Wellman Road, Delta Utah 84624

Proposed Technology/Fuel: Natural Gas-Fired Combined Cycle Generating Facility

Planned Commercial Operation Date: July 1, 2025*

* The ability to meet this date is contingent upon several factors, including permitting, material procurement and final concurrence of all participants. The commercial operation date may be delayed due to circumstances beyond LADWP's control.

Generation Configuration Options:

Since the Siemens and the Mitsubishi configurations exceed 600 MW each, they will be derated to 600 MW in order to meet the limitations defined by the project of a total maximum 1200 MW output. Duct firing is required for the GE units in order to reach a rated output of 600 MW at site. Preliminary Rated Capacity and CO₂ emission data were received from each respective vendor for the IPP Repowering Project at site conditions of: 51 °F, 60% RH, and an elevation of 4760 ft.

Prime Mover	2+1 Combined Cycle	2+1 Combined Cycle	2+1 Combined Cycle
Quantity	2	2	2
Manufacturer	GE	Siemens	Mitsubishi
Model	7F.04	SCC6-5000F	M501GAC
Rated Capacity (MW), at IPP Site	600 each, 1200 total, with duct firing	616 each, 1232 total	714 each, 1428 total
Capacity after Derate	Not applicable	600 each, 1200 total	600 each, 1200 total
Fuel Used	Natural Gas	Natural Gas	Natural Gas
EPS Compliant	Yes	Yes	Yes
Expected Operating Profile	See Figure 3	See Figure 3	See Figure 3
Expected energy output (MWh)	See Figure 3	See Figure 3	See Figure 3
Expected fuel use profile	See Figure 4	See Figure 5	See Figure 6
Estimated CO ₂ emissions for site conditions, (lbs/MWh)	744, with duct firing	759	768
Estimated CO ₂ emissions after derate	Not applicable	761	777

Figure 1 - Generation Configuration Options.

Power Purchase Contract Terms

Name of Counter Party: Intermountain Power Agency (IPA)

Length of Contract: 52 years

Duration: July 1, 2025 – June 15, 2077

Product: Energy (MWh)

Capacity for Project: 1200 MW¹

Capacity for Participants: Below in Figure 2, is the current generation entitlement for each Participant of the current Power Sales Contracts. The final percentage share for each Participant for the Renewal Power Sales Contract will be determined based on many factors, including prior participation rates, number of final participants, and available percentages without commitment, among others.

CALIFORNIA PURCHASERS				
PURCHASER	SHARE TO BE DELIVERED	W/ EXCESS ENTITLEMENT SHARES (2015-12-18)	SHARE OF 1200 MW	SHARE OF 1200 MW PLUS ENTITLEMENT SHARES
Anaheim	13.225%	13.225%	159	159
Burbank	3.371%	4.167%	40	50
Glendale	1.704%	2.206%	20	26
LADWP	48.617%	66.785%	583	801
Pasadena	4.409%	6.000%	53	72
Riverside	7.617%	7.617%	91	91
GROUP TOTAL	78.943%	100.000%	947	1200
UTAH COOPERATIVE PURCHASERS				
GROUP TOTAL	7.017%	0.000%	84	0
UTAH MUNICIPAL PURCHASERS				
GROUP TOTAL	14.040%	0.000%	168	0
PURCHASER TOTAL	100.000%	100.000%	1200	1200

Figure 2 - Generation Distribution²

Expected Deliverables: Please refer to Figure 2

Must Take Provisions: Please refer to Figure 2

Dispatch Provisions: It is assumed that LADWP will continue its responsibilities as the Operating Agent for the repowered IPP units, and will continue to be responsible for the dispatch of the IPP units based on Participant and system demand.

Unit Contingency: N/A

¹ The Project size per the Second Amendatory Power Sales Contract is limited to 1200 MW. The Generation Scenarios listed above are based on the available generation sizes from the 3 respective vendors.

² This is based on the assumption that Participant's shares will be equal to its current Generation Entitlement Share in the existing Power Sales Contracts, and Excess Power Sales Contracts

Expected Operating Profiles:

A simulation of the load profile performed by LADWP staff is below in Figure 3 utilizing the GE configuration. The Siemens and Mitsubishi options will follow similar profiles as the heat rates and other characteristics are comparable, with higher plant energy outputs. The load profile was used to derive the average estimated energy output per year as shown below:

Energy Output (MWh): 6,635,768

The average annual capacity factor for all manufacturers is 63%.

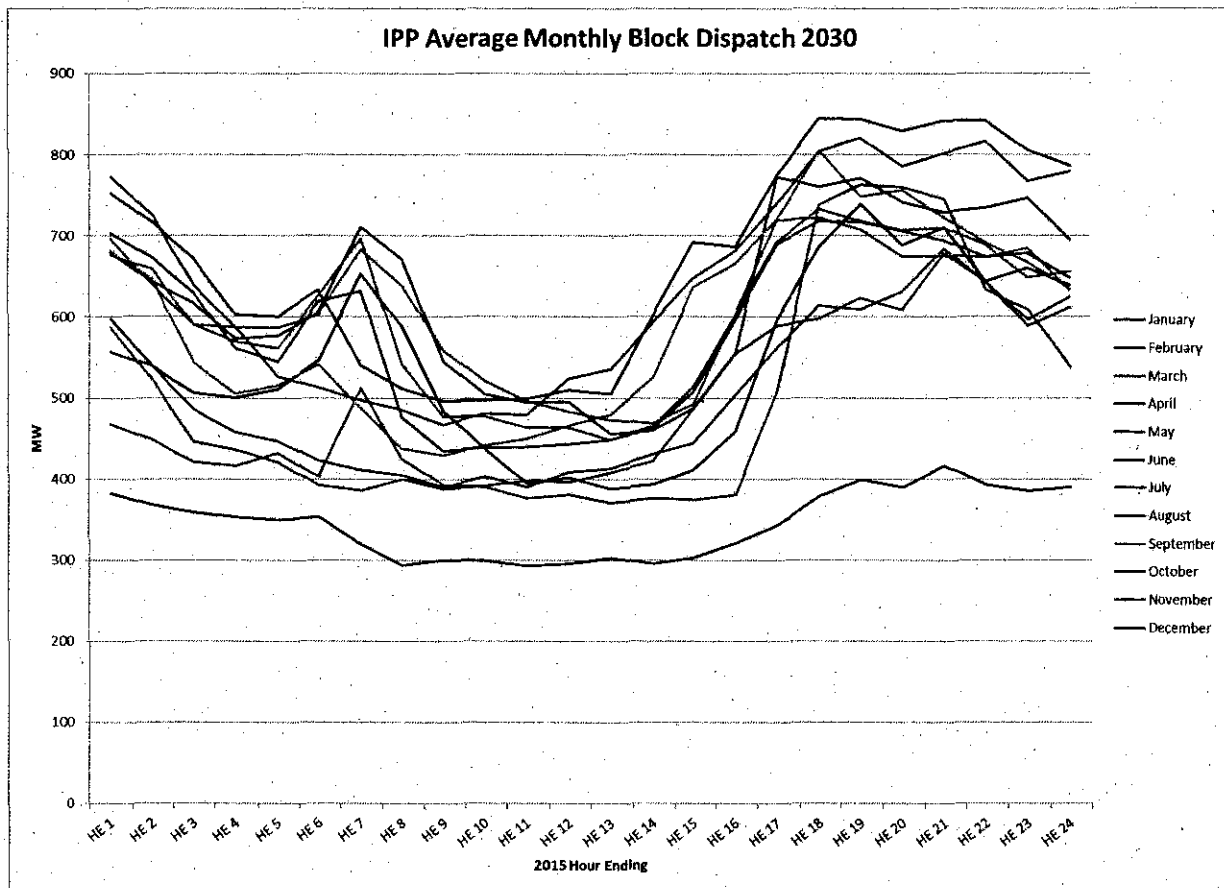


Figure 3 - Average Monthly Block Dispatch

Expected Fuel Use Profile:

Below is the preliminary fuel use data received from each respective vendor, estimated for the IPP site conditions.

GE - Estimated Combined Cycle Data for IPP Repowering								
All data estimated for site conditions, with duct firing, cooling towers								
2x1 7F.04								
Ambient Temperature	°F	51	51	51	51	51	51	51
Duct Firing		On	On	Off	Off	Off	Off	Off
Load		100%	90%	85%	80%	70%	60%	50%
Net Plant Output	MW	600	540	508	480	420	360	300
Heat Input (LHV)	MMBTU/h	3,669	3,214	2,981	2,828	2,501	2,192	1,908
CO2 Emissions	lbs/MWh	780	759	748	751	759	776	811

Figure 4 - GE Fuel Use Profile

Siemens - Estimated Combined Cycle Data for IPP Repowering								
All data estimated for site conditions, no duct firing, cooling towers								
2x1 SCC6-5000F								
Ambient Temperature	°F	51	51	51	51	51	51	51
Load		100%	90%	80%	70%	60%	50%	40%
Net Plant Output	MW	616	563	511	461	411	361	310
Heat Input (LHV)	MMBTU/h	3,619	3,342	3,093	2,864	2,646	2,430	2,203
CO2 Emissions	lbs/MWh	759	767	782	803	832	870	918

Figure 5 - Siemens Fuel Use Profile (received from vendors without derate)

Mitsubishi - Estimated Combined Cycle Data for IPP Repowering									
All data estimated for site conditions, no duct firing, cooling towers									
2x 1 M501GAC									
Ambient Temperature	°F	105	105	95	95	47	47	12	12
Load		100%	55%	100%	55%	100%	55%	100%	50%
Net Plant Output	MW	595	351	616	360	714	401	765	427
Heat Input (LHV)	MMBTU/h	3,480	2,276	3,606	2,348	4,150	2,552	4,492	2,716
CO2 Emissions	lbs/MWh	768	850	770	854	764	836	772	834

Figure 6 - Mitsubishi Fuel Use Profile (received from vendors without derate)

Data from Existing Plant – Apex Generating Station

Below in Figure 7 is data extracted from LADWP's Apex Generating Station located in Clark County, Nevada for the calendar year of 2015. The plant consists of a GE MS7000FA 527 MW 2x1 Combined Cycle generating station. The energy output for the plant in 2015 was 2,635,293 MWh, with a resultant capacity factor of 57%.

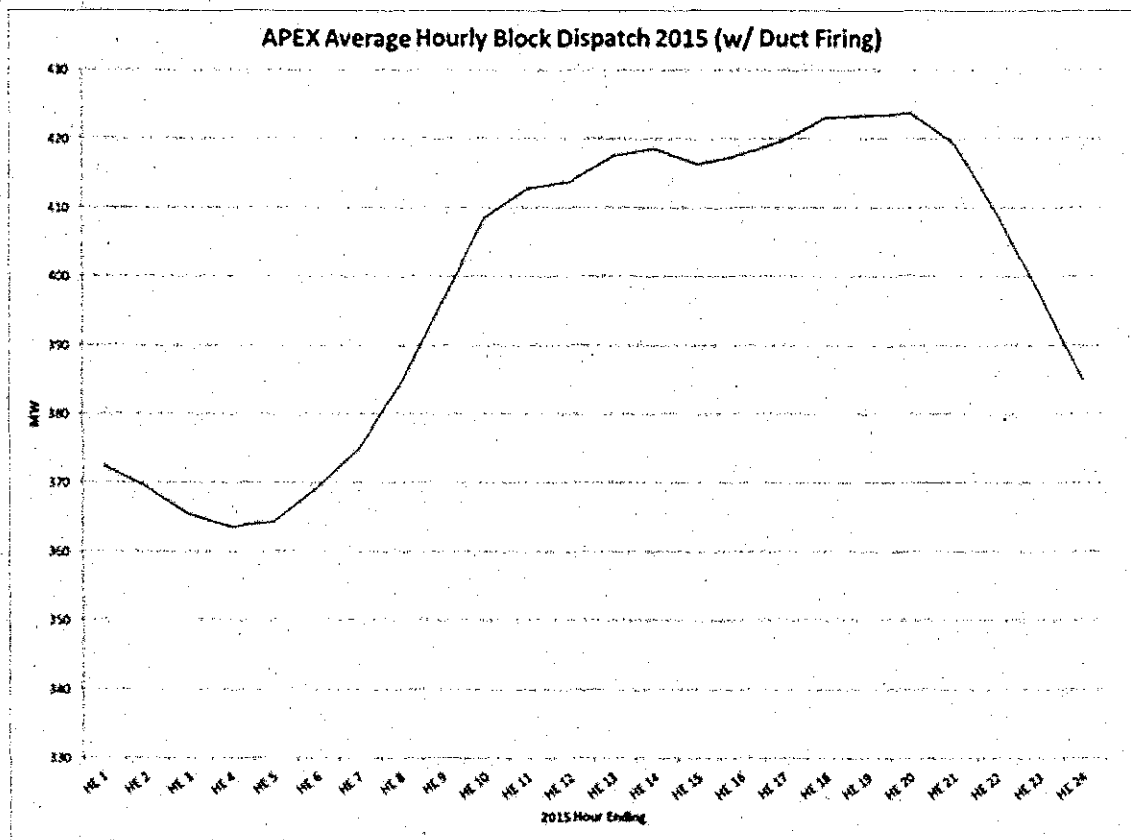


Figure 7 - Apex 2015 Load Profile

Apex - Data									
Load		100%	90%	80%	70%	60%	50%	40%	30%
Net Plant Output	MW	531	478	425	372	319	266	212	192
CO2 Emissions	lbs/MWh	884	835	841	856	886	939	1,031	1,084

Figure 8 - Apex 2015 Fuel Use Profile

WHEREAS, by Resolution No. 512 dated April 3, 1980, the Board of Water and Power Commissioners (Board) requested the Los Angeles City Council (City Council) to authorize the General Manager of the Los Angeles Department of Water and Power (LADWP) or designated representative to authorize the Board, in its discretion, to enter into LADWP Agreement No. 10437, Power Sales Contract, to purchase coal-fired generation from the Intermountain Power Project (IPP); and

WHEREAS, by Ordinance No. 153889, passed by the City Council on May 15, 1980, the City Council provided such authorization; and

WHEREAS, by Resolution 220 dated January 20, 1983, the Board authorized an Amendatory Power Sales Contract as an amendment to DWP Agreement No. 10437; and

WHEREAS, by Ordinance No. 157464, passed by the City Council on February 4, 1983, the City Council provided such authorization; and

WHEREAS, by Resolution 15-232 dated June 2, 2015, the Board authorized the Second Amendatory Power Sales Contract as an amendment to DWP Agreement No. 10437 and the delegation of authority to enter into the Renewal Power Sales contract and the Agreement for Sale of Renewal Excess Power (Renewal Contracts); and

WHEREAS, by Ordinance No. 183818, passed by the City Council on August 18, 2015, the City council provided such authorization; and

WHEREAS, IPP has been operating as a coal-fired power plant for approximately 30 years, and LADWP has served as the Project Manager and Operating Agent on behalf of IPP's owner, the Intermountain Power Agency (IPA); and

WHEREAS, the Second Amendatory Power Sales Contract, which further amends DWP Agreement No. 10437, provides for the ability to repower IPP's fuel source from its current 1,800 Megawatts (MWs) net of coal-fired generation to no more than 1,200 MWs of EPS-compliant natural gas-fired combined cycle generation; and

WHEREAS, IPA requires that the purchasers receive all required governmental regulatory approvals and other required consents or approvals (including all approvals required by Purchaser's governing bodies) before entering into the Renewal Contracts; and

WHEREAS, the Project is subject to the California Energy Commission's (CEC) Emission Performance Standard regulations (EPS Regulations; 20 CCR § 2900 *et seq.*), including the requirement in 20 CCR § 2909 that a publicly-owned utility submit a compliance filing with the CEC within 10 business days of entering into a "covered procurement" as therein defined (Compliance Filing); and

WHEREAS, the EPS Regulations require that the Compliance Filing be first approved by the Board prior to submitting it to the CEC.

WHEREAS, based on the Board's knowledge, information or belief, the Compliance Filing does not contain a material misstatement or omission of fact and the Renewal Contracts comply with the EPS Regulations.

NOW, THEREFORE, BE IT RESOLVED, that the Compliance Filing now on file with the Secretary of the Board and approved as to form and legality by the City Attorney, be and the same are hereby approved.

BE IT FURTHER RESOLVED, that the President or Vice President of the Board, or the General Manager of the LADWP or such other person as the General Manager shall designate in writing, and the Secretary, Assistant Secretary or the Acting Secretary of the Board are hereby authorized and directed to execute and submit the Compliance Filing and any and all other related documents and instruments to the CEC.

I HEREBY CERTIFY that the foregoing is a full, true, and correct copy of the resolution adopted by the Board of Water and Power Commissioners of the City of Los Angeles at its meeting held

Secretary

APPROVED AS TO FORM AND LEGALITY
MICHAEL N. FEUER, CITY ATTORNEY

AUG 09 2016

BY


VAUGHN MINASSIAN
DEPUTY CITY ATTORNEY

ATTACHMENT C

CALIFORNIA ENERGY COMMISSION
EMISSION PERFORMANCE STANDARD COMPLIANCE FILING
COMPLIANCE FILING ATTESTATION

I, the official named below, certify under penalty of perjury, the following:

1. I am an agent of the Los Angeles Department of Water and Power (LADWP) authorized by its Board of Water and Power Commissioners (Board) to sign this attestation on its behalf;
2. The Board has reviewed and approved in noticed public meetings both the covered procurement (on June 2, 2015) and the Compliance Filing (on September 6, 2016) to which this attestation is attached;
3. Based on the Board's knowledge, information, and belief, the Compliance Filing does not contain a material misstatement or omission of fact;
4. Based on the Board's knowledge, information, or belief, the covered procurement complies with Title 20, Division 2, Chapter 11, Article 1 of the California Code of Regulations; and
5. The covered procurement contains the contractual terms or conditions specifying that the contract or commitment is void and all energy deliveries shall be terminated no later than the effective date of any CEC decision pursuant to 20 CCR § 2910 that the covered procurement fails to comply with 20 CCR § 2900 *et seq.*

Executed this ____th day of _____, 2016, at Los Angeles, California.

APPROVED AS TO FORM AND LEGALITY
MICHAEL N. FEUER, CITY ATTORNEY

BY

AUG 09 2016

VAUGHN MINASSIAN
DEPUTY CITY ATTORNEY

Michael S. Webster
Executive Director – Power System
Engineering and Technical Services

