

DOCKETED

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Project Title:	Appeal by Los Angeles Department of Water & Power re Renewables Portfolio Standard Certification Eligibility
TN #:	213346
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STATE OF CALIFORNIA
ENERGY RESOURCES CONSERVATION
AND DEVELOPMENT COMMISSION

In the Matter of:)	Docket No. 16-RPS-02
)	
Appeal by LADWP re)	RE: Declaration of Sharat Batra in 16-
RPS Certification or Eligibility)	RPS-02
)	
)	

DECLARATION OF SHARAT BATRA

I, Sharat Batra, declare as follows:

- 1) I am the Supervisor of Energy Reconciliation at the Los Angeles Department of Water and Power (LADWP). I graduated from the University of California Los Angeles with a Bachelor of Science in Mechanical Engineering in 2005. Also, I graduated from the University of Southern California, in Los Angeles with a Master's Degree in Business Administration. I am a California licensed Professional Mechanical Engineer. I have worked at LADWP since 2009.
- 2) As the Supervisor of Energy Reconciliation at LADWP, my responsibilities include overseeing a team of employees performing the following duties:
 - a) Preparing system and facility reports for various regulatory agencies, including the U.S. Department of Energy (DOE), the Federal Energy Regulatory Commission (FERC), the Western Electricity Coordinating Council (WECC), the North American Electric Reliability Corporation (NERC), the California Energy Resources Conservation and Development Commission (CEC), and the California Air Resources Board (CARB), and;

- b) Modifying energy schedules to account for meter discrepancies, transformer and transmission line losses, unit start-up energy and generator auxiliary and station service loads; and
 - c) Working with other utilities, Balancing Authorities, and energy marketers to calculate and verifying scheduled energy, transmission, and ancillary services transactions (both by quantity and price); and
 - d) When needed, investigating and negotiating settlements to achieve after-the-fact reconciliation of actual vs. planned system operations and transactions.
- 3) I am authorized to make this declaration on behalf of LADWP and the following matters are true and accurate to the best of my knowledge and belief.

Powerex BC-Hydro Power Purchase Agreement No. BP-020-A

- 4) Exhibits 291 through 302 are invoices from Powerex Corporation (Powerex) to LADWP under LADWP's Powerex Power Purchase Agreement No. BP 05-020-A referenced as Exhibit 18 (TN# 212419) in the Declaration of Louis Ting in 16-RPS-02 filed on July 22, 2016, referred to below as "Contract A."
- 5) Exhibit 291 is a true and correct copy of an invoice LADWP received from Powerex for electricity generated from its small hydroelectric generating units for the month of January 2011 under Contract A with corporate financial records redacted. (Bates No. LA001508).
- 6) Exhibit 292 is a true and correct copy of an invoice LADWP received from Powerex for electricity generated from its small hydroelectric generating units for the month of February 2011 under Contract A with corporate financial records redacted. (Bates No. LA001509).

- 7) Exhibit 293 is a true and correct copy of an invoice LADWP received from Powerex for electricity generated from its small hydroelectric generating units for the month of March 2011 under Contract A with corporate financial records redacted. (Bates No. LA001510).
- 8) Exhibit 294 is a true and correct copy of an invoice LADWP received from Powerex for electricity generated from its small hydroelectric generating units for the month of April 2011 under Contract A with corporate financial records redacted. (Bates No. LA001511).
- 9) Exhibit 295 is a true and correct copy of an invoice LADWP received from Powerex for electricity generated from its small hydroelectric generating units for the month of May 2011 under Contract A with corporate financial records redacted. (Bates No. LA001512).
- 10) Exhibit 296 is a true and correct copy of an invoice LADWP received from Powerex for electricity generated from its small hydroelectric generating units for the month of June 2011 under Contract A with corporate financial records redacted. (Bates No. LA001513).
- 11) Exhibit 297 is a true and correct copy of an invoice LADWP received from Powerex for electricity generated from its small hydroelectric generating units for the month of July 2011 under Contract A with corporate financial records redacted. (Bates No. LA001514).
- 12) Exhibit 298 is a true and correct copy of an invoice LADWP received from Powerex for electricity generated from its small hydroelectric generating units for the month of August 2011 under Contract A with corporate financial records redacted. (Bates No. LA001515).
- 13) Exhibit 299 is a true and correct copy of an invoice LADWP received from Powerex for electricity generated from its small hydroelectric generating units for the month of September 2011 under Contract A with corporate financial records redacted. (Bates No. LA001516).

14) Exhibit 300 is a true and correct copy of an invoice LADWP received from Powerex for electricity generated from its small hydroelectric generating units for the month of October 2011 under Contract A with corporate financial records redacted. (Bates No. LA001517).

15) Exhibit 301 is a true and correct copy of an invoice LADWP received from Powerex for electricity generated from its small hydroelectric generating units for the month of November 2011 under Contract A with corporate financial records redacted. (Bates No. LA001518).

16) Exhibit 302 is a true and correct copy of an invoice LADWP received from Powerex for electricity generated from its small hydroelectric generating units for the month of December 2011 under Contract A with corporate financial records redacted. (Bates No. LA001519).

Powerex BC-Hydro Power Purchase Agreement No. BP-020-B

17) Exhibits 303 through 314 are invoices from Powerex to LADWP under LADWP's Powerex Power Purchase Agreement No. BP 05-020-B referenced as Exhibit 19 (TN# 212420) in the Declaration of Louis Ting in 16-RPS-02 filed on July 22, 2016, referred to below as "Contract B."

18) Exhibit 303 is a true and correct copy of an invoice LADWP received from Powerex for electricity generated from its small hydroelectric generating units for the month of January 2011 under Contract B with corporate financial records redacted. (Bates No. LA001520).

19) Exhibit 304 is a true and correct copy of an invoice LADWP received from Powerex for electricity generated from its small hydroelectric generating units for the month of February 2011 under Contract B with corporate financial records redacted. (Bates No. LA001521).

20) Exhibit 305 is a true and correct copy of an invoice LADWP received from Powerex for electricity generated from its small hydroelectric generating units for the month of March 2011 under Contract B with corporate financial records redacted. (Bates No. LA001522).

- 21) Exhibit 306 is a true and correct copy of an invoice LADWP received from Powerex for electricity generated from its small hydroelectric generating units for the month of April 2011 under Contract B with corporate financial records redacted. (Bates No. LA001523).
- 22) Exhibit 307 is a true and correct copy of an invoice LADWP received from Powerex for electricity generated from its small hydroelectric generating units for the month of May 2011 under Contract B with corporate financial records redacted. (Bates No. LA001524).
- 23) Exhibit 308 is a true and correct copy of an invoice LADWP received from Powerex for electricity generated from its small hydroelectric generating units for the month of June 2011 under Contract B with corporate financial records redacted. (Bates No. LA001525).
- 24) Exhibit 309 is a true and correct copy of an invoice LADWP received from Powerex for electricity generated from its small hydroelectric generating units for the month of July 2011 with corporate financial records redacted. (Bates No. LA001526).
- 25) Exhibit 310 is a true and correct copy of an invoice LADWP received from Powerex for electricity generated from its small hydroelectric generating units for the month of August 2011 with corporate financial records redacted. (Bates No. LA001527).
- 26) Exhibit 311 is a true and correct copy of an invoice LADWP received from Powerex for electricity generated from its small hydroelectric generating units for the month of September 2011 under Contract B with corporate financial records redacted. (Bates No. LA001528).
- 27) Exhibit 312 is a true and correct copy of an invoice LADWP received from Powerex for electricity generated from its small hydroelectric generating units for the month of October 2011 under Contract B with corporate financial records redacted. (Bates No. LA001529).

28) Exhibit 313 is a true and correct copy of an invoice LADWP received from Powerex for electricity generated from its small hydroelectric generating units for the month of November 2011 under Contract B with corporate financial records redacted. (Bates No. LA001530).

29) Exhibit 314 is a true and correct copy of an invoice LADWP received from Powerex for electricity generated from its small hydroelectric generating units for the month of December 2011 under Contract B with corporate financial records redacted. (Bates No. LA001531).

Powerex BC-Hydro Attestations for Contracts A and B

30) Exhibit 315 is a true and correct copy of the attestation LADWP received from Powerex for electricity generated from its small hydroelectric generating units for the month of January 2011 for Contracts A and B. (Bates Nos. LA001532 to LA001534).

31) Exhibit 316 is a true and correct copy of the attestation LADWP received from Powerex for electricity generated from its small hydroelectric generating units for the month of February 2011 for Contracts A and B. (Bates Nos. LA001535 to LA001537).

32) Exhibit 317 is a true and correct copy of the attestation LADWP received from Powerex for electricity generated from its small hydroelectric generating units for the month of March 2011 for Contracts A and B. (Bates Nos. LA001538 to LA001540).

33) Exhibit 318 is a true and correct copy of the attestation LADWP received from Powerex for electricity generated from its small hydroelectric generating units for the month of April 2011 for Contracts A and B. (Bates Nos. LA001541 to LA001543).

34) Exhibit 319 is a true and correct copy of the attestation LADWP received from Powerex for electricity generated from its small hydroelectric generating units for the month of May 2011 for Contracts A and B. (Bates Nos. LA001544 to LA001546).

- 35) Exhibit 320 is a true and correct copy of the attestation LADWP received from Powerex for electricity generated from its small hydroelectric generating units for the month of June 2011 for Contracts A and B. (Bates Nos. LA001547 to LA001549).
- 36) Exhibit 321 is a true and correct copy of the attestation LADWP received from Powerex for electricity generated from its small hydroelectric generating units for the month of July 2011 for Contracts A and B. (Bates Nos. LA001550 to LA001552).
- 37) Exhibit 322 is a true and correct copy of the attestation LADWP received from Powerex for electricity generated from its small hydroelectric generating units for the month of August 2011 for Contracts A and B. (Bates Nos. LA001553 to LA001555).
- 38) Exhibit 323 is a true and correct copy of the attestation LADWP received from Powerex for electricity generated from its small hydroelectric generating units for the month of September 2011 for Contracts A and B. (Bates Nos. LA001556 to LA001558).
- 39) Exhibit 324 is a true and correct copy of the attestation LADWP received from Powerex for electricity generated from its small hydroelectric generating units for the month of October 2011 for Contracts A and B. (Bates Nos. LA001559 to LA001561).
- 40) Exhibit 325 is a true and correct copy of the attestation LADWP received from Powerex for electricity generated from its small hydroelectric generating units for the month of November 2011 for Contracts A and B. (Bates Nos. LA001562 to LA001564).
- 41) Exhibit 326 is a true and correct copy of the attestation LADWP received from Powerex for electricity generated from its small hydroelectric generating units for the month of December 2011 for Contracts A and B. (Bates Nos. LA001565 to LA001567).

Economic Dispatch

42) LADWP uses economic dispatch in its normal course of business for the allocation of fuel for use its in-basin electric generating units, including units at the Scattergood Generating Station, Valley Generation Station, Haynes Generation Station, and Harbor Generating Station.

43) LADWP's use of economic dispatch is consistent with industry custom and practice. 42 U.S.C. Section 16524(b) defines Economic Dispatch as "the operation of generation facilities to produce energy at the lowest cost to reliably serve consumers, recognizing any operational limits of generation and transmission facilities."

44) Exhibit 378 is a true and correct copy of a publicly available "Report to Congress Pursuant to Section 1234 of the Energy Policy Act of 2005" that contains a "Summary of Findings" describing the economic-dispatch process in the energy industry. (Bates Nos. LA002547-LA002616).

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct to the best of my knowledge and that this declaration was executed on August 31, 2016 at Los Angeles, California.

/s/ Sharat Batra
SHARAT BATRA
Supervisor of Energy Reconciliation
Los Angeles Dept. of Water and Power