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January 31, 2005

The Honorable Magalie R. Salas Secretary Federal Energy Regulatory Commission 888 First Street, NE Washington, DC 20426

#### Re: California Independent System Operator Corporation Compliance Filing Docket No. ER05-149-\_\_\_\_

Dear Secretary Salas:

The California Independent System Operator Corporation ("ISO")<sup>1</sup> respectfully submits six copies of this filing in compliance with the Commission's December 30, 2004 order in Docket Nos. ER05-149-000 through ER05-155-000, 109 FERC ¶ 61,391 ("December 30 Order"), with regard to the compliance directives in Docket No. ER05-149-000.

In Docket No. ER05-149-000, the Commission accepted Amendment No. 2 to the Interconnected Control Area Operating Agreement ("ICAOA") between the ISO and the Sacramento Municipal Utility District, effective January 1, 2005.<sup>2</sup> December 30 Order at ordering paragraph (B). The Commission noted that the ISO, in its answer in the proceeding, committed to revise the ICAOA to provide that, with regard to the Tracy-Westley Interconnection, losses will be dynamically adjusted in the meter based on the actual flows across the transmission line. *Id.* at P 50. The Commission also noted that the ISO committed to revise the ICAOA to provide Service Schedule 4 of the ICAOA for the Herdlyn 69 kV Interconnection – the

<sup>&</sup>lt;sup>1</sup> Capitalized terms not otherwise defined herein are used in the sense given in the Master Definitions Supplement, Appendix A to the ISO Tariff.

The ICAOA is designated as ISO Original FERC Rate Schedule No. 42.

The Honorable Magalie R. Salas January 31, 2005 Page 2

reference in the service schedule should be to the Tracy Substation, not the Herdlyn Substation. *Id.* at P 52. The Commission directed the ISO to make those revisions. *Id.* at P 53. The ISO has modified Service Schedules 1 and 4 to comply with those directives.

The changes to the ICAOA described above are shown in the revised sheets provided in Attachment A to the present filing, and are shown in black-line format in Attachment B. Additionally, the ISO submits, in Attachment C, a form notice of filing suitable for publication in the Federal Register, along with a computer diskette containing the notice of filing.

Two additional copies of this filing are enclosed to be date-stamped and returned to our messenger. If there are questions concerning this filing, please contact the undersigned.

Respectfully submitted,

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ATTACHMENT A

basis. Western/SMUD shall allow for ISO polling of the data recorders. The MW and MVar analog value can be read using the available second communication port of the RTU.

#### • TRACY 230 INTERCONNECTION

The Interconnection point with the Western system is metered on the 525/230/34.5 kV transformers KT1A and KT2A at Tracy Substation. The meter is currently a Quad-4 that has the capability of metering Watthours and Varhours. The meters are located in the 230 kV yard. This is a bi-directional meter with the accuracy rating of 0.3 %. The instrument transformers (C.T.s and P.T.s) for revenue meters are located in the 230 kV switchyard at the Interconnection point of the 230 kV bus. All P.T.s and C.T.s are rated at 0.3 % accuracy class with CT ratio of 400:1 and PT ratio of 1200:1. The meter's MW and MVar milliamp analog outputs (bi-directional) and the MWh and MVarh pulse outputs are provided to the ISO's EMS RTU. The MWh and MVarh pulse (bi-directional) outputs are also stored in internal data recorders for MV90 use. The meters are polled by Western's / SMUD's MV90 system via dial-up telephone lines on a daily basis. Western/SMUD shall allow for ISO polling of the data recorders. The MW and MVar analog value can be read using the available second communication port of the RTU.

#### TRACY-WESTLEY INTERCONNECTION

The Interconnection point with the Western system is metered on 230 kV at Tracy Substation. The meter shall be compensated to reflect the difference between the ISO Control Area boundary and the Westley end of the line by incorporating the losses associated with the actual flows across the transmission line. In addition, the telemetered MW and MVar values should be compensated. The meter is currently a Quad-4 that has the capability of metering Watthours and Varhours. The meters are located in the 230 kV yard. This is a bi-directional meter with the accuracy rating of 0.3 %. The instrument transformers (C.T.s and P.T.s) for revenue meters are located in the 230 kV switchyard at the Interconnection point of the 230 kV bus. All P.T.s and C.T.s are rated at 0.3 % accuracy class with CT ratio of 400:1 and PT ratio of 1200:1. The meter's MW and MVar milliamp analog outputs (bi-directional) and the MWh and MVarh pulse outputs are provided to the ISO's EMS RTU. The MWh and MVarh pulse (bidirectional) outputs are also stored in internal data recorders for MV90 use. The meters are polled by Western's / SMUD's MV90 system via dial-up telephone lines on a daily basis. Western/SMUD shall allow for ISO polling of the data recorders. The MW and MVar analog value can be read using the available second communication port of the RTU.

#### • TRACY-TESLA INTERCONNECTION

The Interconnection point with the Western system is metered on 230 kV at Tracy Substation. The meter is currently a Quad-4 that has the capability of metering Watthours and Varhours. The meters are located in the 230 kV yard. This is a bi-Issued by: Charles F. Robinson, Vice President and General Counsel Issued on: January 31, 2005 Effective: Upon Notice After January 1, 2005 exercised consistent with directions when issued by SMUD as control area operator and in coordination with the ISO as the immediately adjacent Control Area Operator as necessary and appropriate.

Common point of Tie Line Control Metering: Westley Substation

#### Herdlyn 69 Interconnection

Western and ISO share 69 kV busses at adjacent substations, which use common meters that are switched with the energized bus.

Western has operational control, ownership, maintenance, switching and clearance jurisdiction of the Tracy 69 kV bus and all its associated facilities including disconnect switch 2451 and 2453 (PCB 2452) and 2455 on the Tracy 69 kV bus, which control will be exercised consistent with directions when issued by SMUD as control area operator and in coordination with the ISO as the immediately adjacent Control Area Operator as necessary and appropriate.

PG&E has ownership, maintenance, switching and clearance jurisdiction of the line and all its associated facilities at Herdlyn Substation. The ISO has the operational control of this facility and will be involved in coordination of switching. SMUD will have operational control of this facility and will be involved in coordination of switching.

Common point of Tie Line Control Metering: Tracy Substation

ATTACHMENT B

basis. Western/SMUD shall allow for ISO polling of the data recorders. The MW and MVar analog value can be read using the available second communication port of the RTU.

# • TRACY 230 INTERCONNECTION

The Interconnection point with the Western system is metered on the 525/230/34.5 kV transformers KT1A and KT2A at Tracy Substation. The meter is currently a Quad-4 that has the capability of metering Watthours and Varhours. The meters are located in the 230 kV yard. This is a bi-directional meter with the accuracy rating of 0.3 %. The instrument transformers (C.T.s and P.T.s) for revenue meters are located in the 230 kV switchyard at the Interconnection point of the 230 kV bus. All P.T.s and C.T.s are rated at 0.3 % accuracy class with CT ratio of 400:1 and PT ratio of 1200:1. The meter's MW and MVar milliamp analog outputs (bi-directional) and the MWh and MVarh pulse outputs are provided to the ISO's EMS RTU. The MWh and MVarh pulse (bi-directional) outputs are also stored in internal data recorders for MV90 use. The meters are polled by Western's / SMUD's MV90 system via dial-up telephone lines on a daily basis. Western/SMUD shall allow for ISO polling of the data recorders. The MW and MVar analog value can be read using the available second communication port of the RTU.

## • TRACY-WESTLEY INTERCONNECTION

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# • TRACY-TESLA INTERCONNECTION

The Interconnection point with the Western system is metered on 230 kV at Tracy Substation. The meter is currently a Quad-4 that has the capability of metering Watthours and Varhours. The meters are located in the 230 kV yard. This is a bi-Issued by: Charles F. Robinson, Vice President and General Counsel Issued on: January 31, 2005 Effective: Upon Notice After January 1, 2005 exercised consistent with directions when issued by SMUD as control area operator and in coordination with the ISO as the immediately adjacent Control Area Operator as necessary and appropriate.

Common point of Tie Line Control Metering: Westley Substation

## • Herdlyn 69 Interconnection

Western and ISO share 69 kV busses at adjacent substations, which use common meters that are switched with the energized bus.

Western has operational control, ownership, maintenance, switching and clearance jurisdiction of the Tracy 69 kV bus and all its associated facilities including disconnect switch 2451 and 2453 (PCB 2452) and 2455 on the Tracy 69 kV bus, which control will be exercised consistent with directions when issued by SMUD as control area operator and in coordination with the ISO as the immediately adjacent Control Area Operator as necessary and appropriate.

PG&E has ownership, maintenance, switching and clearance jurisdiction of the line and all its associated facilities at Herdlyn Substation. The ISO has the operational control of this facility and will be involved in coordination of switching. SMUD will have operational control of this facility and will be involved in coordination of switching.

Common point of Tie Line Control Metering: HerdlynTracy Substation

Issued by: Charles F. Robinson, Vice President and General Counsel

Issued on: January 31, 2005

# ATTACHMENT C

#### NOTICE OF FILING SUITABLE FOR PUBLICATION IN THE FEDERAL REGISTER

#### UNITED STATES OF AMERICA BEFORE THE FEDERAL ENERGY REGULATORY COMMISSION

California Independent System Operator Corporation Docket No. ER05-149-\_\_\_\_

#### **Notice of Filing**

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Take notice that on January 31, 2005, the California Independent System Operator Corporation (ISO) submitted a filing in compliance with the Commission's December 30, 2004 order in Docket Nos. ER05-149-000 through ER05-155-000, 109 FERC ¶ 61,391, with regard to the compliance directives in Docket No. ER05-149-000.

The ISO states that this filing has been served upon all parties on the official service list for the captioned docket. In addition, the ISO has posted this filing on the ISO Home Page.

Any person desiring to intervene or to protest this filing should file with the Federal Energy Regulatory Commission, 888 First Street, N.E., Washington, D.C. 20426, in accordance with Rules 211 and 214 of the Commission's Rules of Practice and Procedure (18 CFR 385.211 and 385.214). Protests will be considered by the Commission in determining the appropriate action to be taken, but will not serve to make protestants parties to the proceeding. Any person wishing to become a party must file a motion to intervene. All such motions or protests should be filed on or before the comment date, and, to the extent applicable, must be served on the applicant and on any other person designated on the official service list. This filing is available for review at the Commission or may be viewed on the Commission's web site at http://www.ferc.gov. using the eLibrary (FERRIS) link. Enter the docket number excluding the last three digits in the docket number field to access the document. For assistance, please contact FERC Online Support at FERCOnlineSupport@ferc.gov or toll-free at (866)208-3676, or for TTY, contact (202)502-8659. Protests and interventions may be filed electronically via the Internet in lieu of paper; see 18 CFR 385.2001(a)(1)(iii) and the instructions on the Commission's web site under the "e-Filing" link. The Commission strongly encourages electronic filings.

Comment Date: \_\_\_\_\_