CALIFORNIA INDEPENDENT SYSTEM OPERATOR CORPORATION FERC ELECTRIC TARIFF

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First Revised Sheet No. 169

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of the ISO Controlled Grid. Such actions shall include (but are not limited to):

(a) compliance with the ISO's Dispatch instructions including instructions to deliver

Ancillary Services in real time pursuant to the Final Day-Ahead Schedules and Final

Hour-Ahead Schedules;

(b) compliance with the system operation requirements set out in Section 2.3 of this ISO

Tariff;

(c) notification to the ISO of the persons to whom an instruction of the ISO should be

directed on a 24-hour basis, including their telephone and facsimile numbers; and

(d) the provision of communications, telemetry and direct control requirements, including

the establishment of a direct communication link from the control room of the

Generator to the ISO in a manner that ensures that the ISO will have the ability,

consistent with this ISO Tariff and the ISO Protocols, to direct the operations of the

Generator as necessary to maintain the reliability of the ISO Controlled Grid, except

that a Participating Generator will be exempt from ISO requirements imposed in

accordance with this subsection (d) with regard to any Generating Unit with a rated

capacity of less than 10 MW, unless that Generating Unit is certified by the ISO to

participate in the ISO's Ancillary Services and/or Imbalance Energy markets.

5.1.4 Generators Connected to UDC Systems.

With regard to any Generating Unit directly connected to a UDC system, a Participating

Generator shall comply with applicable UDC tariffs, interconnection requirements and

generation agreements. With regard to a Participating Generator's Generating Units directly

connected to a UDC system, the ISO and the UDC will coordinate to develop procedures to

avoid conflicting ISO and UDC operational directives.

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5.1.4.1 Exemption for Generating Units Less Than 1 MW

A Generator with a Generating Unit directly connected to a UDC system will be exempt from compliance with this Section 5 and with Section MP 2.3.5 of the Metering Protocol in relation to that Generating Unit provided that (i) the rated capacity of the Generating Unit is less than 1 MW, and (ii) the Generator does not use the Generating Unit to participate in the ISO's Ancillary Services and/or Imbalance Energy markets. This exemption in no way affects the calculation of or any obligation to pay the appropriate charges or to comply with all the other applicable Sections of this ISO Tariff.

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5.2.8.1 Responsibility for Reliability Must-Run Charges Associated with SONGS. If the

ISO procures Reliability Must-Run Generation from the San Onofre Nuclear Generation Station

Units 2 or 3, it shall determine prior to the operation of such facilities as Reliability Must-Run

Generation the appropriate allocation of associated charges, if any, among Responsible

Utilities. The allocation of such charges shall be based on the reliability benefits that the ISO

reasonably identifies through studies and analysis as accruing to the respective Service Areas

of the Responsible Utilities.

5.3 Identification of Generating Units.

Each Generator shall provide data identifying each of its Generating Units and such

information regarding the capacity and the operating characteristics of the Generating Unit as

may be reasonably requested from time to time by the ISO.

5.4 WSCC Requirements.

5.4.1 Generator Performance Standard.

Participating Generators shall, in relation to each of their Generating Units, meet all applicable

WSCC standards including any standards regarding governor response capabilities, use of

power system stabilizers, voltage control capabilities and hourly Energy delivery. Unless

otherwise agreed by the ISO, a Generating Unit must be capable of operating at capacity

registered in the ISO Controlled Grid interconnection data, and shall follow the voltage

schedules issued by the ISO from time to time.

5.4.2 Reliability Criteria.

Participating Generators shall comply with the requirements of the WSCC Reliability Criteria

Agreement, including the applicable WSCC reliability criteria set forth in Section IV of Annex A

thereof. In the event that a Participating Generator fails to comply, it will be subject to the

sanctions

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applicable to such failure. Such sanctions shall be assessed pursuant to the procedures

contained in the WSCC Reliability Criteria Agreement. Each and all of the provisions of the

WSCC Reliability Criteria Agreement are hereby incorporated by reference into this Section

5.4.2 as though set forth fully herein, and Participating Generators shall for all purposes be

considered Participants as defined in that Agreement, and shall be subject to all of the

obligations of Participants, under and in connection with the WSCC Reliability Criteria

Agreement. The Participating Generators shall copy the ISO on all reports supplied to the

WSCC in accordance with Section IV of Annex A of the WSCC Reliability Criteria Agreement.

5.4.3 Payment of Sanctions.

Each Participating Generator shall be responsible for payment directly to the WSCC of any

monetary sanction assessed against that Participating Generator by the WSCC pursuant to the

WSCC Reliability Criteria Agreement. Any such payment shall be made pursuant to the

procedures specified in the WSCC Reliability Criteria Agreement.

5.5 Outages.

5.5.1 Planned Maintenance.

Each Participating Generator shall, for informational purposes only, on an annual, quarterly and

monthly basis in accordance with the ISO Protocol on Outage planning in relation to each of its

Generating Units other than Reliability Must-Run Units (in

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7.4.2.2 Methodology for Calculating Generation Meter Multiplier. The ISO shall calculate the Generation Meter Multiplier for each Generating Unit location in a given hour by subtracting the Scaled Marginal Loss Rate from 1.0.

7.4.2.2.1 The Scaled Marginal Loss Rate for a given Generating Unit location in a given hour shall equal the product of (i) the Full Marginal Loss Rate for each Generating Unit location and hour, and (ii) the Loss Scale Factor for such hour.

7.4.2.2.2 The ISO shall calculate the Full Marginal Loss Rate for each Generating Unit location for an hour by utilizing the Power Flow Model to calculate the effect on total Transmission Losses for the ISO Controlled Grid of injecting an increment of Generation at each such Generating Unit location to serve an equivalent incremental MW of Demand distributed on a pro-rata basis throughout the ISO Controlled Grid.

7.4.2.2.3 The ISO shall determine the Loss Scale Factor for an hour by determining the ratio of forecast Transmission Losses to the total Transmission Losses which would be collected if Full Marginal Loss Rates were applied to each Generating Unit in that hour.

7.4.3 In the event that the Power Flow Model fails to determine Ex Post GMMs, for example if GMMs are outside the range of reasonability (typically 0.8 to 1.1), the ISO will use Default GMMs in their place.

7.5 FERC Annual Charges.

7.5.1 Obligation for FERC Annual Charges.

7.5.1.1 Each Scheduling Coordinator shall be obligated to pay for the FERC Annual Charges for its use of the ISO Controlled Grid to transmit electricity, including any use of the ISO Controlled Grid through Existing Contracts scheduled by the Scheduling Coordinator. Any FERC Annual Charges to be assessed by FERC against the ISO for such use of the ISO

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be assessed against Scheduling Coordinators at the FERC Annual Charge Recovery Rate, as

determined in accordance with this Section 7.5. Such assessment shall be levied monthly

against all Scheduling Coordinators based upon each Scheduling Coordinator's metered

Demand and exports.

7.5.1.2 Scheduling Coordinators may elect, each year, to pay the FERC Annual Charges

assessed against them by the ISO either on a monthly basis or an annual basis. Scheduling

Coordinators that elect to pay FERC Annual Charges on a monthly basis shall make payment

for such charges within five (5) Business Days after issuance of the Preliminary Settlement

Statement for the last day of the relevant calendar month. Scheduling Coordinators that elect

to pay FERC Annual Charges on an annual basis shall make payment for such charges within

five (5) Business Days after the ISO issues a notice that it has received a FERC Annual

Charge assessment for the relevant year from the FERC. Scheduling Coordinators that elect

to pay FERC Annual Charges on an annual basis shall maintain either an Approved Credit

Rating, as defined with respect to either payment of the Grid Management Charge, or payment

of other charges, or shall maintain security in accordance with Section 2.2.3.2.

7.5.2 FERC Annual Charge Trust Account.

All funds collected by the ISO for FERC Annual Charges shall be deposited in the FERC

Annual Charge Trust Account. The FERC Annual Charge Trust Account shall be an interest-

bearing account separate from all other accounts maintained by the ISO, and no other funds

shall be commingled in it at any time. The ISO shall disburse funds from the FERC Annual

Charge Trust Account in order to pay the FERC any and all FERC Annual Charges assessed

against the ISO.

7.5.3 Determination of the FERC Annual Charge Recovery Rate.

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7.5.3.1 The FERC Annual Charge Recovery Rate shall be set at the projected total FERC

Annual Charge obligation with regard to transactions on the ISO Controlled Grid during the year

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in which the FERC Annual Charge Recovery Rate is collected, adjusted for interest projected to be earned on the monies in the FERC Annual Charge Trust Account ("Annual Charge Obligation"), divided by the projected Demand and exports during that year for all entities subject to assessment of FERC Annual Charges by the ISO ("Annual Charge Demand"). The FERC Annual Charge Recovery Rate for the period from January 1, 2001 until the first adjustment of the FERC Annual Charge Recovery Rate goes into effect shall be posted on the ISO Home Page at least fifteen (15) days in advance of the date on which the initial rate will go into effect.

7.5.3.2 The ISO may adjust the FERC Annual Charge Recovery Rate on a quarterly basis, as necessary, to reflect the net effect of the following:

- the difference, if any, between actual Annual Charge Demand and projected AnnualCharge Demand during the year-to-date;
- (b) the difference, if any, between the projections of the Annual Charge Obligation and the Annual Charge Demand upon which the charge for the year is based and the ISO's most current projections of those values, provided that the projection of the Annual Charge Obligation may only be adjusted on an annual basis for changes in the Federal Energy Regulatory Commission's budget for its electric regulatory program or changes in the projected total transmission volumes subject to assessment of FERC Annual Charges;
- (c) the difference, if any, between actual and projected interest earned on funds in the FERC Annual Charge Trust Account; and
- (d) any positive or negative balances of funds collected for FERC Annual Charges in a previous year after all invoices for FERC Annual Charges for that year have been paid

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by the ISO, other than those that are addressed through the mechanism described in Section 7.5.3.4.

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7.5.3.3 The adjusted FERC Annual Charge Recovery Rate shall take effect on the first day of the calendar quarter. The ISO shall publish all data and calculations used by the ISO as a basis for such an adjustment on the ISO Home Page at least fifteen (15) days in advance of the date on which the new rate shall go into effect.

7.5.3.4 If the FERC Annual Charges assessed by FERC against the ISO for transactions on the ISO Controlled Grid during any year exceed or fall short of funds collected by the ISO for FERC Annual Charges with respect to that year by a range of 10% or less, the ISO shall take such under- or over-recovery into account through an adjustment to the FERC Annual Charge Recovery Rate in accordance with Section 7.5.3.2. Any deficiency of available funds necessary to pay for any assessment of FERC Annual Charges payable by the ISO may be covered by an advance of funds from the ISO's Grid Management Charge, provided any such advanced funds will be repaid. If the ISO's collection of funds for FERC Annual Charges with respect to any year results in an under- or over-recovery of greater than 10%, the ISO shall either assess a surcharge against all active Scheduling Coordinators for the amount underrecovered or shall issue a credit to all active Scheduling Coordinators for the amount overrecovered. Such surcharge or credit shall be allocated among all active Scheduling Coordinators based on the percentage of each active Scheduling Coordinators metered Demand and exports during the relevant year. For purposes of this section, an "active Scheduling Coordinator" shall be a Scheduling Coordinator certified by the ISO in accordance with Section 2.2 of this ISO Tariff at the time the ISO issues a surcharge or credit under this section. The ISO will issue any surcharges or credits under this section within 60 days of receiving a FERC Annual Charge assessment from the FERC.

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7.5.4 Credits and Debits of FERC Annual Charges Collected from Scheduling Coordinators.

In addition to the surcharges or credits permitted under Sections 7.5.3 or 11.6.3.3 of this ISO Tariff, the ISO shall credit or debit, as appropriate, the account of a Scheduling Coordinator for any over- or under-assessment of FERC Annual Charges that the ISO determines occurred due to the error, omission, or miscalculation by the ISO or the Scheduling Coordinator.

- 8. GRID MANAGEMENT CHARGE.
- 8.1 ISO's Obligations.
- 8.1.1 FERC's Uniform System of Accounts.

The ISO shall maintain a set of financial statements and records in accordance with the FERC's Uniform System of Accounts.

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