

THIS FILING IS

Item 1: An Initial (Original) Submission OR Resubmission No. _____

Form 1 Approved
OMB No.1902-0021
(Expires 11/30/2022)
Form 1-F Approved
OMB No.1902-0029
(Expires 11/30/2022)
Form 3-Q Approved
OMB No.1902-0205
(Expires 11/30/2022)



FERC FINANCIAL REPORT

FERC FORM No. 1: Annual Report of Major Electric Utilities, Licensees and Others and Supplemental Form 3-Q: Quarterly Financial Report

These reports are mandatory under the Federal Power Act, Sections 3, 4(a), 304 and 309, and 18 CFR 141.1 and 141.400. Failure to report may result in criminal fines, civil penalties and other sanctions as provided by law. The Federal Energy Regulatory Commission does not consider these reports to be of confidential nature

Exact Legal Name of Respondent (Company)

California Independent System Operator Corporation

Year/Period of Report

End of 2019/Q4



Report of Independent Auditors

To the Board of Governors and Management of the California Independent System Operator Corporation

We have audited the accompanying financial statements of the California Independent System Operator Corporation, which comprise the balance sheets as of December 31, 2019 and 2018, and the related statements of income, of retained earnings, of cash flows and of accumulated comprehensive income, comprehensive income and hedging activities for the years then ended, included on pages 110 through 122b of the accompanying Federal Energy Regulatory Commission Form No. 1.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with the accounting requirements of the Federal Energy Regulatory Commission as set forth in its applicable Uniform System of Accounts and published accounting releases described in Note 2. Management is also responsible for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditors' Responsibility

Our responsibility is to express an opinion on the financial statements based on our audits. We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on our judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, we consider internal control relevant to the Company's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the California Independent System Operator Corporation as of December 31, 2019 and 2018, and the results of its operations and its cash flows for the years then ended in accordance with the accounting requirements of the Federal Energy Regulatory Commission as set forth in its applicable Uniform System of Accounts and published accounting releases described in Note 2.



Basis of Accounting

We draw attention to Note 2 of the financial statements, which describes the basis of accounting. As described in Note 2 to the financial statements, the financial statements are prepared by the California Independent System Operator Corporation on the basis of the accounting requirements of the Federal Energy Regulatory Commission as set forth in its applicable Uniform System of Accounts and published accounting releases, which is a basis of accounting other than accounting principles generally accepted in the United States of America, to meet the requirements of the Federal Energy Regulatory Commission. Our opinion is not modified with respect to this matter.

Restriction of Use

This report is intended solely for the information and use of the Board of Directors and Management of the California Independent System Operator Corporation and the Federal Energy Regulatory Commission and is not intended to be and should not be used by anyone other than these specified parties.

PricewaterhouseCoopers LLP

April 17, 2020

REPORT OF MAJOR ELECTRIC UTILITIES, LICENSEES AND OTHER

IDENTIFICATION

01 Exact Legal Name of Respondent California Independent System Operator Corporation		02 Year/Period of Report End of <u>2019/Q4</u>	
03 Previous Name and Date of Change <i>(if name changed during year)</i> / /			
04 Address of Principal Office at End of Period <i>(Street, City, State, Zip Code)</i> 250 Outcropping Way, Folsom, CA 95630			
05 Name of Contact Person Dennis Estrada		06 Title of Contact Person Assistant Controller	
07 Address of Contact Person <i>(Street, City, State, Zip Code)</i> 250 Outcropping Way, Folsom, CA 95630			
08 Telephone of Contact Person, <i>Including Area Code</i> (916) 351-2235	09 This Report Is (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission		10 Date of Report <i>(Mo, Da, Yr)</i> 04/17/2020

ANNUAL CORPORATE OFFICER CERTIFICATION

The undersigned officer certifies that:

I have examined this report and to the best of my knowledge, information, and belief all statements of fact contained in this report are correct statements of the business affairs of the respondent and the financial statements, and other financial information contained in this report, conform in all material respects to the Uniform System of Accounts.

01 Name Ryan Seghesio	03 Signature Ryan Seghesio	04 Date Signed <i>(Mo, Da, Yr)</i> 04/17/2020
02 Title VP, CFO and Treasurer		

Title 18, U.S.C. 1001 makes it a crime for any person to knowingly and willingly to make to any Agency or Department of the United States any false, fictitious or fraudulent statements as to any matter within its jurisdiction.

LIST OF SCHEDULES (Electric Utility)

Enter in column (c) the terms "none," "not applicable," or "NA," as appropriate, where no information or amounts have been reported for certain pages. Omit pages where the respondents are "none," "not applicable," or "NA".

Line No.	Title of Schedule (a)	Reference Page No. (b)	Remarks (c)
1	General Information	101	
2	Control Over Respondent	102	
3	Corporations Controlled by Respondent	103	N/A
4	Officers	104	
5	Directors	105	
6	Information on Formula Rates	106(a)(b)	N/A
7	Important Changes During the Year	108-109	
8	Comparative Balance Sheet	110-113	
9	Statement of Income for the Year	114-117	
10	Statement of Retained Earnings for the Year	118-119	
11	Statement of Cash Flows	120-121	
12	Notes to Financial Statements	122-123	
13	Statement of Accum Comp Income, Comp Income, and Hedging Activities	122(a)(b)	
14	Summary of Utility Plant & Accumulated Provisions for Dep, Amort & Dep	200-201	
15	Nuclear Fuel Materials	202-203	N/A
16	Electric Plant in Service	204-207	
17	Electric Plant Leased to Others	213	N/A
18	Electric Plant Held for Future Use	214	N/A
19	Construction Work in Progress-Electric	216	
20	Accumulated Provision for Depreciation of Electric Utility Plant	219	
21	Investment of Subsidiary Companies	224-225	N/A
22	Materials and Supplies	227	N/A
23	Allowances	228(ab)-229(ab)	N/A
24	Extraordinary Property Losses	230	N/A
25	Unrecovered Plant and Regulatory Study Costs	230	N/A
26	Transmission Service and Generation Interconnection Study Costs	231	
27	Other Regulatory Assets	232	N/A
28	Miscellaneous Deferred Debits	233	
29	Accumulated Deferred Income Taxes	234	N/A
30	Capital Stock	250-251	N/A
31	Other Paid-in Capital	253	N/A
32	Capital Stock Expense	254	N/A
33	Long-Term Debt	256-257	
34	Reconciliation of Reported Net Income with Taxable Inc for Fed Inc Tax	261	N/A
35	Taxes Accrued, Prepaid and Charged During the Year	262-263	
36	Accumulated Deferred Investment Tax Credits	266-267	N/A

LIST OF SCHEDULES (Electric Utility) (continued)

Enter in column (c) the terms "none," "not applicable," or "NA," as appropriate, where no information or amounts have been reported for certain pages. Omit pages where the respondents are "none," "not applicable," or "NA".

Line No.	Title of Schedule (a)	Reference Page No. (b)	Remarks (c)
37	Other Deferred Credits	269	
38	Accumulated Deferred Income Taxes-Accelerated Amortization Property	272-273	N/A
39	Accumulated Deferred Income Taxes-Other Property	274-275	N/A
40	Accumulated Deferred Income Taxes-Other	276-277	N/A
41	Other Regulatory Liabilities	278	N/A
42	Electric Operating Revenues	300-301	
43	Regional Transmission Service Revenues (Account 457.1)	302	
44	Sales of Electricity by Rate Schedules	304	N/A
45	Sales for Resale	310-311	N/A
46	Electric Operation and Maintenance Expenses	320-323	
47	Purchased Power	326-327	N/A
48	Transmission of Electricity for Others	328-330	N/A
49	Transmission of Electricity by ISO/RTOs	331	
50	Transmission of Electricity by Others	332	N/A
51	Miscellaneous General Expenses-Electric	335	
52	Depreciation and Amortization of Electric Plant	336-337	
53	Regulatory Commission Expenses	350-351	
54	Research, Development and Demonstration Activities	352-353	N/A
55	Distribution of Salaries and Wages	354-355	
56	Common Utility Plant and Expenses	356	N/A
57	Amounts included in ISO/RTO Settlement Statements	397	N/A
58	Purchase and Sale of Ancillary Services	398	N/A
59	Monthly Transmission System Peak Load	400	N/A
60	Monthly ISO/RTO Transmission System Peak Load	400a	
61	Electric Energy Account	401	N/A
62	Monthly Peaks and Output	401	
63	Steam Electric Generating Plant Statistics	402-403	N/A
64	Hydroelectric Generating Plant Statistics	406-407	N/A
65	Pumped Storage Generating Plant Statistics	408-409	N/A
66	Generating Plant Statistics Pages	410-411	N/A

LIST OF SCHEDULES (Electric Utility) (continued)

Enter in column (c) the terms "none," "not applicable," or "NA," as appropriate, where no information or amounts have been reported for certain pages. Omit pages where the respondents are "none," "not applicable," or "NA".

Line No.	Title of Schedule (a)	Reference Page No. (b)	Remarks (c)
67	Transmission Line Statistics Pages	422-423	N/A
68	Transmission Lines Added During the Year	424-425	N/A
69	Substations	426-427	N/A
70	Transactions with Associated (Affiliated) Companies	429	N/A
71	Footnote Data	450	
	<p>Stockholders' Reports Check appropriate box:</p> <p><input type="checkbox"/> Two copies will be submitted</p> <p><input type="checkbox"/> No annual report to stockholders is prepared</p>		

Name of Respondent California Independent System Operator Corporation	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) 04/17/2020	Year/Period of Report End of <u>2019/Q4</u>
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GENERAL INFORMATION

1. Provide name and title of officer having custody of the general corporate books of account and address of office where the general corporate books are kept, and address of office where any other corporate books of account are kept, if different from that where the general corporate books are kept.

Ryan Seghesio
Vice President/Chief Financial Officer/ Treasurer
250 Outcropping Way
Folsom, CA 95630

2. Provide the name of the State under the laws of which respondent is incorporated, and date of incorporation. If incorporated under a special law, give reference to such law. If not incorporated, state that fact and give the type of organization and the date organized.

California- 1997

3. If at any time during the year the property of respondent was held by a receiver or trustee, give (a) name of receiver or trustee, (b) date such receiver or trustee took possession, (c) the authority by which the receivership or trusteeship was created, and (d) date when possession by receiver or trustee ceased.

Not Applicable

4. State the classes or utility and other services furnished by respondent during the year in each State in which the respondent operated.

The Company operates a wholesale energy market, which is the vehicle for providing open-access transmission service to users of the transmission grid that it operates. In addition, the Company operates the Western Energy Imbalance Market (the "EIM"). This extension of the Company's real-time energy market facilitates transactions with and among several balancing authority areas in the western interconnection that are not a part of the grid the Company operates. In July 2019, the Company became the Reliability Coordinator for entities within its balancing area and a few other contiguous balancing areas. In November 2019, and the services were expanded to balancing authorities and transmission operators throughout the West.

5. Have you engaged as the principal accountant to audit your financial statements an accountant who is not the principal accountant for your previous year's certified financial statements?

- (1) Yes...Enter the date when such independent accountant was initially engaged:
(2) No

Name of Respondent California Independent System Operator	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report <i>(Mo, Da, Yr)</i> 04/17/2020	Year/Period of Report End of <u>2019/Q4</u>
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CONTROL OVER RESPONDENT

1. If any corporation, business trust, or similar organization or a combination of such organizations jointly held control over the respondent at the end of the year, state name of controlling corporation or organization, manner in which control was held, and extent of control. If control was in a holding company organization, show the chain of ownership or control to the main parent company or organization. If control was held by a trustee(s), state name of trustee(s), name of beneficiary or beneficiaries for whom trust was maintained, and purpose of the trust.

N/A

OFFICERS

1. Report below the name, title and salary for each executive officer whose salary is \$50,000 or more. An "executive officer" of a respondent includes its president, secretary, treasurer, and vice president in charge of a principal business unit, division or function (such as sales, administration or finance), and any other person who performs similar policy making functions.
2. If a change was made during the year in the incumbent of any position, show name and total remuneration of the previous incumbent, and the date the change in incumbency was made.

Line No.	Title (a)	Name of Officer (b)	Salary for Year (c)
1	President and Chief Executive Officer	Steve Berberich	687,960
2	VP, General Counsel, CCO and Corp Secretary	Roger Collanton	331,340
3	Vice President, Market and Infrastructure Development	Keith Casey	358,748
4	Vice President, Technology	Petar Ristanovic	342,829
5	Vice President, Operations	Eric Schmitt	329,058
6	Vice President, Market Policy and Performance	Mark Rothleder	342,579
7	Vice President, External and Customer Affairs	Stacey Crowley	294,946
8	Vice President, Customer and State Affairs, Customer ans	Thomas Doughty *	13,100
9	Vice President, Chief Financial Officer and Treasurer	Ryan Seghesio	284,350
10	Vice President, Human Resources	Jodi Ziemathis	270,000
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12			
13	Amounts reported in column "Salary for Year (c)"		
14	represent base salary.		
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16	* retired effective April 2019		
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DIRECTORS

1. Report below the information called for concerning each director of the respondent who held office at any time during the year. Include in column (a), abbreviated titles of the directors who are officers of the respondent.
2. Designate members of the Executive Committee by a triple asterisk and the Chairman of the Executive Committee by a double asterisk.

Line No.	Name (and Title) of Director (a)	Principal Business Address (b)
1	CAISO Board of Governors	
2	Angelina Galiteva	PO Box 639014, Folsom, CA, 95763-4400
3	David Olsen*	PO Box 639014, Folsom, CA, 95763-4400
4	Mary Leslie	PO Box 639014, Folsom, CA, 95763-4400
5	Ashutosh Bhagwat	PO Box 639014, Folsom, CA, 95763-4400
6	Severin Borestein	PO Box 639014, Folsom, CA, 95763-4400
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8		
9	* Chairman of the Board; The Company has no Executive	
10	Committee	
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Name of Respondent California Independent System Operator	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report 04/17/2020	Year/Period of Report End of <u>2019/Q4</u>
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IMPORTANT CHANGES DURING THE QUARTER/YEAR

Give particulars (details) concerning the matters indicated below. Make the statements explicit and precise, and number them in accordance with the inquiries. Each inquiry should be answered. Enter "none," "not applicable," or "NA" where applicable. If information which answers an inquiry is given elsewhere in the report, make a reference to the schedule in which it appears.

1. Changes in and important additions to franchise rights: Describe the actual consideration given therefore and state from whom the franchise rights were acquired. If acquired without the payment of consideration, state that fact.
2. Acquisition of ownership in other companies by reorganization, merger, or consolidation with other companies: Give names of companies involved, particulars concerning the transactions, name of the Commission authorizing the transaction, and reference to Commission authorization.
3. Purchase or sale of an operating unit or system: Give a brief description of the property, and of the transactions relating thereto, and reference to Commission authorization, if any was required. Give date journal entries called for by the Uniform System of Accounts were submitted to the Commission.
4. Important leaseholds (other than leaseholds for natural gas lands) that have been acquired or given, assigned or surrendered: Give effective dates, lengths of terms, names of parties, rents, and other condition. State name of Commission authorizing lease and give reference to such authorization.
5. Important extension or reduction of transmission or distribution system: State territory added or relinquished and date operations began or ceased and give reference to Commission authorization, if any was required. State also the approximate number of customers added or lost and approximate annual revenues of each class of service. Each natural gas company must also state major new continuing sources of gas made available to it from purchases, development, purchase contract or otherwise, giving location and approximate total gas volumes available, period of contracts, and other parties to any such arrangements, etc.
6. Obligations incurred as a result of issuance of securities or assumption of liabilities or guarantees including issuance of short-term debt and commercial paper having a maturity of one year or less. Give reference to FERC or State Commission authorization, as appropriate, and the amount of obligation or guarantee.
7. Changes in articles of incorporation or amendments to charter: Explain the nature and purpose of such changes or amendments.
8. State the estimated annual effect and nature of any important wage scale changes during the year.
9. State briefly the status of any materially important legal proceedings pending at the end of the year, and the results of any such proceedings culminated during the year.
10. Describe briefly any materially important transactions of the respondent not disclosed elsewhere in this report in which an officer, director, security holder reported on Page 104 or 105 of the Annual Report Form No. 1, voting trustee, associated company or known associate of any of these persons was a party or in which any such person had a material interest.
11. (Reserved.)
12. If the important changes during the year relating to the respondent company appearing in the annual report to stockholders are applicable in every respect and furnish the data required by Instructions 1 to 11 above, such notes may be included on this page.
13. Describe fully any changes in officers, directors, major security holders and voting powers of the respondent that may have occurred during the reporting period.
14. In the event that the respondent participates in a cash management program(s) and its proprietary capital ratio is less than 30 percent please describe the significant events or transactions causing the proprietary capital ratio to be less than 30 percent, and the extent to which the respondent has amounts loaned or money advanced to its parent, subsidiary, or affiliated companies through a cash management program(s). Additionally, please describe plans, if any to regain at least a 30 percent proprietary ratio.

PAGE 108 INTENTIONALLY LEFT BLANK
SEE PAGE 109 FOR REQUIRED INFORMATION.

Name of Respondent	This Report is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) 04/17/2020	Year/Period of Report 2019/Q4
California Independent System Operator Corporation			
IMPORTANT CHANGES DURING THE QUARTER/YEAR (Continued)			

1. N/A
2. N/A
3. N/A
4. N/A
5. In February 2019, the Balancing Authority of Northern California (BANC)-SMUD became operational in the ISO's Energy Imbalance Market (EIM). BANC-SMUD is the eighth entity to join the EIM.

In July 2019, the ISO's Reliability Coordinator West (RC West) became the official Reliability Coordinator of record for electricity balancing authorities and transmission operators primarily in California, and one in Mexico. As of December 2019, the ISO had finalized agreements with 42 electrical balancing authorities and their transmission operators throughout the West to receive Reliability Coordinator Services. RC West now has oversight of power grid reliability for balancing authorities and transmission operators in the Western Interconnection, monitoring compliance for 87 percent of the load in the western US.

6. N/A
7. None
8. None
9. Please refer to the Note 12 Contingencies of the 2019 Form 1 Notes to the Financial Statements for materially important legal proceedings.
10. None
11. N/A
12. N/A
13. In January 2019, State of California Governor Gavin Newsom appointed two new members to the ISO Board of Governors, Severin Borenstein and Mary Leslie. Mr. Newsom also re-appointed David Olsen to the ISO Board of Governors.

In May 2019, the ISO announced an organizational restructuring. Under the restructuring, Vice President Stacey Crowley will oversee the newly named External and Customer Affairs division and Vice President Mark Rothleder will oversee the renamed Market Quality and State Regulatory Affairs division. The roles of Mrs. Crowley and Mr. Rothleder were expanded to assume the role previously filled by former Vice President of Customer and State Affairs, Thomas Doughty, who retired in April 2019.

14. N/A

COMPARATIVE BALANCE SHEET (ASSETS AND OTHER DEBITS)

Line No.	Title of Account (a)	Ref. Page No. (b)	Current Year End of Quarter/Year Balance (c)	Prior Year End Balance 12/31 (d)
1	UTILITY PLANT			
2	Utility Plant (101-106, 114)	200-201	667,760,229	641,402,488
3	Construction Work in Progress (107)	200-201	6,900,884	16,854,065
4	TOTAL Utility Plant (Enter Total of lines 2 and 3)		674,661,113	658,256,553
5	(Less) Accum. Prov. for Depr. Amort. Depl. (108, 110, 111, 115)	200-201	503,803,771	491,176,799
6	Net Utility Plant (Enter Total of line 4 less 5)		170,857,342	167,079,754
7	Nuclear Fuel in Process of Ref., Conv., Enrich., and Fab. (120.1)	202-203	0	0
8	Nuclear Fuel Materials and Assemblies-Stock Account (120.2)		0	0
9	Nuclear Fuel Assemblies in Reactor (120.3)		0	0
10	Spent Nuclear Fuel (120.4)		0	0
11	Nuclear Fuel Under Capital Leases (120.6)		0	0
12	(Less) Accum. Prov. for Amort. of Nucl. Fuel Assemblies (120.5)	202-203	0	0
13	Net Nuclear Fuel (Enter Total of lines 7-11 less 12)		0	0
14	Net Utility Plant (Enter Total of lines 6 and 13)		170,857,342	167,079,754
15	Utility Plant Adjustments (116)		0	0
16	Gas Stored Underground - Noncurrent (117)		0	0
17	OTHER PROPERTY AND INVESTMENTS			
18	Nonutility Property (121)		0	0
19	(Less) Accum. Prov. for Depr. and Amort. (122)		0	0
20	Investments in Associated Companies (123)		0	0
21	Investment in Subsidiary Companies (123.1)	224-225	0	0
22	(For Cost of Account 123.1, See Footnote Page 224, line 42)			
23	Noncurrent Portion of Allowances	228-229	0	0
24	Other Investments (124)		201,626,161	162,209,833
25	Sinking Funds (125)		0	0
26	Depreciation Fund (126)		0	0
27	Amortization Fund - Federal (127)		0	0
28	Other Special Funds (128)		429,430,768	356,470,413
29	Special Funds (Non Major Only) (129)		0	0
30	Long-Term Portion of Derivative Assets (175)		0	0
31	Long-Term Portion of Derivative Assets – Hedges (176)		0	0
32	TOTAL Other Property and Investments (Lines 18-21 and 23-31)		631,056,929	518,680,246
33	CURRENT AND ACCRUED ASSETS			
34	Cash and Working Funds (Non-major Only) (130)		0	0
35	Cash (131)		6,083,812	39,062,366
36	Special Deposits (132-134)		39,385	137,326
37	Working Fund (135)		15,758	15,344
38	Temporary Cash Investments (136)		0	0
39	Notes Receivable (141)		0	0
40	Customer Accounts Receivable (142)		5,017,457	6,260,739
41	Other Accounts Receivable (143)		255,959	298,692
42	(Less) Accum. Prov. for Uncollectible Acct.-Credit (144)		0	0
43	Notes Receivable from Associated Companies (145)		0	0
44	Accounts Receivable from Assoc. Companies (146)		0	0
45	Fuel Stock (151)	227	0	0
46	Fuel Stock Expenses Undistributed (152)	227	0	0
47	Residuals (Elec) and Extracted Products (153)	227	0	0
48	Plant Materials and Operating Supplies (154)	227	0	0
49	Merchandise (155)	227	0	0
50	Other Materials and Supplies (156)	227	0	0
51	Nuclear Materials Held for Sale (157)	202-203/227	0	0
52	Allowances (158.1 and 158.2)	228-229	0	0

COMPARATIVE BALANCE SHEET (ASSETS AND OTHER DEBITS)(Continued)

Line No.	Title of Account (a)	Ref. Page No. (b)	Current Year End of Quarter/Year Balance (c)	Prior Year End Balance 12/31 (d)
53	(Less) Noncurrent Portion of Allowances		0	0
54	Stores Expense Undistributed (163)	227	0	0
55	Gas Stored Underground - Current (164.1)		0	0
56	Liquefied Natural Gas Stored and Held for Processing (164.2-164.3)		0	0
57	Prepayments (165)		7,473,721	6,624,466
58	Advances for Gas (166-167)		0	0
59	Interest and Dividends Receivable (171)		763,350	1,078,833
60	Rents Receivable (172)		0	0
61	Accrued Utility Revenues (173)		13,210,813	8,556,051
62	Miscellaneous Current and Accrued Assets (174)		0	0
63	Derivative Instrument Assets (175)		0	0
64	(Less) Long-Term Portion of Derivative Instrument Assets (175)		0	0
65	Derivative Instrument Assets - Hedges (176)		0	0
66	(Less) Long-Term Portion of Derivative Instrument Assets - Hedges (176)		0	0
67	Total Current and Accrued Assets (Lines 34 through 66)		32,860,255	62,033,817
68	DEFERRED DEBITS			
69	Unamortized Debt Expenses (181)		1,032,291	1,124,894
70	Extraordinary Property Losses (182.1)	230a	0	0
71	Unrecovered Plant and Regulatory Study Costs (182.2)	230b	0	0
72	Other Regulatory Assets (182.3)	232	0	0
73	Prelim. Survey and Investigation Charges (Electric) (183)		0	0
74	Preliminary Natural Gas Survey and Investigation Charges 183.1)		0	0
75	Other Preliminary Survey and Investigation Charges (183.2)		0	0
76	Clearing Accounts (184)		-492,027	2,067
77	Temporary Facilities (185)		0	0
78	Miscellaneous Deferred Debits (186)	233	7,363,503	7,523,336
79	Def. Losses from Disposition of Utility Plt. (187)		0	0
80	Research, Devel. and Demonstration Expend. (188)	352-353	0	0
81	Unamortized Loss on Reaquired Debt (189)		8,079,932	8,804,751
82	Accumulated Deferred Income Taxes (190)	234	0	0
83	Unrecovered Purchased Gas Costs (191)		0	0
84	Total Deferred Debits (lines 69 through 83)		15,983,699	17,455,048
85	TOTAL ASSETS (lines 14-16, 32, 67, and 84)		850,758,225	765,248,865

COMPARATIVE BALANCE SHEET (LIABILITIES AND OTHER CREDITS)

Line No.	Title of Account (a)	Ref. Page No. (b)	Current Year End of Quarter/Year Balance (c)	Prior Year End Balance 12/31 (d)
1	PROPRIETARY CAPITAL			
2	Common Stock Issued (201)	250-251	0	0
3	Preferred Stock Issued (204)	250-251	0	0
4	Capital Stock Subscribed (202, 205)		0	0
5	Stock Liability for Conversion (203, 206)		0	0
6	Premium on Capital Stock (207)		0	0
7	Other Paid-In Capital (208-211)	253	0	0
8	Installments Received on Capital Stock (212)	252	0	0
9	(Less) Discount on Capital Stock (213)	254	0	0
10	(Less) Capital Stock Expense (214)	254b	0	0
11	Retained Earnings (215, 215.1, 216)	118-119	186,998,093	168,448,372
12	Unappropriated Undistributed Subsidiary Earnings (216.1)	118-119	0	0
13	(Less) Reaquired Capital Stock (217)	250-251	0	0
14	Noncorporate Proprietorship (Non-major only) (218)		0	0
15	Accumulated Other Comprehensive Income (219)	122(a)(b)	1,046,559	-6,066,397
16	Total Proprietary Capital (lines 2 through 15)		188,044,652	162,381,975
17	LONG-TERM DEBT			
18	Bonds (221)	256-257	168,545,000	173,515,000
19	(Less) Reaquired Bonds (222)	256-257	0	0
20	Advances from Associated Companies (223)	256-257	0	0
21	Other Long-Term Debt (224)	256-257	0	0
22	Unamortized Premium on Long-Term Debt (225)		6,646,977	7,243,251
23	(Less) Unamortized Discount on Long-Term Debt-Debit (226)		0	0
24	Total Long-Term Debt (lines 18 through 23)		175,191,977	180,758,251
25	OTHER NONCURRENT LIABILITIES			
26	Obligations Under Capital Leases - Noncurrent (227)		0	0
27	Accumulated Provision for Property Insurance (228.1)		0	0
28	Accumulated Provision for Injuries and Damages (228.2)		0	0
29	Accumulated Provision for Pensions and Benefits (228.3)		19,440,165	28,134,548
30	Accumulated Miscellaneous Operating Provisions (228.4)		0	0
31	Accumulated Provision for Rate Refunds (229)		0	0
32	Long-Term Portion of Derivative Instrument Liabilities		0	0
33	Long-Term Portion of Derivative Instrument Liabilities - Hedges		0	0
34	Asset Retirement Obligations (230)		0	0
35	Total Other Noncurrent Liabilities (lines 26 through 34)		19,440,165	28,134,548
36	CURRENT AND ACCRUED LIABILITIES			
37	Notes Payable (231)		0	0
38	Accounts Payable (232)		45,911,020	41,970,877
39	Notes Payable to Associated Companies (233)		0	0
40	Accounts Payable to Associated Companies (234)		0	0
41	Customer Deposits (235)		414,785,071	345,181,800
42	Taxes Accrued (236)	262-263	1,445,916	1,304,531
43	Interest Accrued (237)		3,482,094	3,565,073
44	Dividends Declared (238)		0	0
45	Matured Long-Term Debt (239)		0	0

COMPARATIVE BALANCE SHEET (LIABILITIES AND OTHER CREDITS) (Continued)

Line No.	Title of Account (a)	Ref. Page No. (b)	Current Year End of Quarter/Year Balance (c)	Prior Year End Balance 12/31 (d)
46	Matured Interest (240)		0	0
47	Tax Collections Payable (241)		0	0
48	Miscellaneous Current and Accrued Liabilities (242)		0	0
49	Obligations Under Capital Leases-Current (243)		0	0
50	Derivative Instrument Liabilities (244)		0	0
51	(Less) Long-Term Portion of Derivative Instrument Liabilities		0	0
52	Derivative Instrument Liabilities - Hedges (245)		0	0
53	(Less) Long-Term Portion of Derivative Instrument Liabilities-Hedges		0	0
54	Total Current and Accrued Liabilities (lines 37 through 53)		465,624,101	392,022,281
55	DEFERRED CREDITS			
56	Customer Advances for Construction (252)		0	0
57	Accumulated Deferred Investment Tax Credits (255)	266-267	0	0
58	Deferred Gains from Disposition of Utility Plant (256)		0	0
59	Other Deferred Credits (253)	269	2,457,330	1,951,810
60	Other Regulatory Liabilities (254)	278	0	0
61	Unamortized Gain on Reaquired Debt (257)		0	0
62	Accum. Deferred Income Taxes-Accel. Amort.(281)	272-277	0	0
63	Accum. Deferred Income Taxes-Other Property (282)		0	0
64	Accum. Deferred Income Taxes-Other (283)		0	0
65	Total Deferred Credits (lines 56 through 64)		2,457,330	1,951,810
66	TOTAL LIABILITIES AND STOCKHOLDER EQUITY (lines 16, 24, 35, 54 and 65)		850,758,225	765,248,865

STATEMENT OF INCOME

Quarterly

1. Report in column (c) the current year to date balance. Column (c) equals the total of adding the data in column (g) plus the data in column (i) plus the data in column (k). Report in column (d) similar data for the previous year. This information is reported in the annual filing only.
2. Enter in column (e) the balance for the reporting quarter and in column (f) the balance for the same three month period for the prior year.
3. Report in column (g) the quarter to date amounts for electric utility function; in column (i) the quarter to date amounts for gas utility, and in column (k) the quarter to date amounts for other utility function for the current year quarter.
4. Report in column (h) the quarter to date amounts for electric utility function; in column (j) the quarter to date amounts for gas utility, and in column (l) the quarter to date amounts for other utility function for the prior year quarter.
5. If additional columns are needed, place them in a footnote.

Annual or Quarterly if applicable

5. Do not report fourth quarter data in columns (e) and (f)
6. Report amounts for accounts 412 and 413, Revenues and Expenses from Utility Plant Leased to Others, in another utility column in a similar manner to a utility department. Spread the amount(s) over lines 2 thru 26 as appropriate. Include these amounts in columns (c) and (d) totals.
7. Report amounts in account 414, Other Utility Operating Income, in the same manner as accounts 412 and 413 above.

Line No.	Title of Account (a)	(Ref.) Page No. (b)	Total Current Year to Date Balance for Quarter/Year (c)	Total Prior Year to Date Balance for Quarter/Year (d)	Current 3 Months Ended Quarterly Only No 4th Quarter (e)	Prior 3 Months Ended Quarterly Only No 4th Quarter (f)
1	UTILITY OPERATING INCOME					
2	Operating Revenues (400)	300-301	222,686,165	223,887,913		
3	Operating Expenses					
4	Operation Expenses (401)	320-323	154,808,847	146,509,697		
5	Maintenance Expenses (402)	320-323	25,343,267	28,641,554		
6	Depreciation Expense (403)	336-337	26,605,343	35,337,967		
7	Depreciation Expense for Asset Retirement Costs (403.1)	336-337				
8	Amort. & Depl. of Utility Plant (404-405)	336-337				
9	Amort. of Utility Plant Acq. Adj. (406)	336-337				
10	Amort. Property Losses, Unrecov Plant and Regulatory Study Costs (407)					
11	Amort. of Conversion Expenses (407)					
12	Regulatory Debits (407.3)					
13	(Less) Regulatory Credits (407.4)					
14	Taxes Other Than Income Taxes (408.1)	262-263	242,019	183,543		
15	Income Taxes - Federal (409.1)	262-263				
16	- Other (409.1)	262-263				
17	Provision for Deferred Income Taxes (410.1)	234, 272-277				
18	(Less) Provision for Deferred Income Taxes-Cr. (411.1)	234, 272-277				
19	Investment Tax Credit Adj. - Net (411.4)	266				
20	(Less) Gains from Disp. of Utility Plant (411.6)					
21	Losses from Disp. of Utility Plant (411.7)					
22	(Less) Gains from Disposition of Allowances (411.8)					
23	Losses from Disposition of Allowances (411.9)					
24	Accretion Expense (411.10)					
25	TOTAL Utility Operating Expenses (Enter Total of lines 4 thru 24)		206,999,476	210,672,761		
26	Net Util Oper Inc (Enter Tot line 2 less 25) Carry to Pg117, line 27		15,686,689	13,215,152		

STATEMENT OF INCOME FOR THE YEAR (Continued)

9. Use page 122 for important notes regarding the statement of income for any account thereof.
 10. Give concise explanations concerning unsettled rate proceedings where a contingency exists such that refunds of a material amount may need to be made to the utility's customers or which may result in material refund to the utility with respect to power or gas purchases. State for each year effected the gross revenues or costs to which the contingency relates and the tax effects together with an explanation of the major factors which affect the rights of the utility to retain such revenues or recover amounts paid with respect to power or gas purchases.
 11 Give concise explanations concerning significant amounts of any refunds made or received during the year resulting from settlement of any rate proceeding affecting revenues received or costs incurred for power or gas purches, and a summary of the adjustments made to balance sheet, income, and expense accounts.
 12. If any notes appearing in the report to stokholders are applicable to the Statement of Income, such notes may be included at page 122.
 13. Enter on page 122 a concise explanation of only those changes in accounting methods made during the year which had an effect on net income, including the basis of allocations and apportionments from those used in the preceding year. Also, give the appropriate dollar effect of such changes.
 14. Explain in a footnote if the previous year's/quarter's figures are different from that reported in prior reports.
 15. If the columns are insufficient for reporting additional utility departments, supply the appropriate account titles report the information in a footnote to this schedule.

ELECTRIC UTILITY		GAS UTILITY		OTHER UTILITY		Line No.
Current Year to Date (in dollars) (g)	Previous Year to Date (in dollars) (h)	Current Year to Date (in dollars) (i)	Previous Year to Date (in dollars) (j)	Current Year to Date (in dollars) (k)	Previous Year to Date (in dollars) (l)	
						1
222,686,165	223,887,913					2
						3
154,808,847	146,509,697					4
25,343,267	28,641,554					5
26,605,343	35,337,967					6
						7
						8
						9
						10
						11
						12
						13
242,019	183,543					14
						15
						16
						17
						18
						19
						20
						21
						22
						23
						24
206,999,476	210,672,761					25
15,686,689	13,215,152					26

STATEMENT OF INCOME FOR THE YEAR (continued)

Line No.	Title of Account (a)	(Ref.) Page No. (b)	TOTAL		Current 3 Months Ended Quarterly Only No 4th Quarter (e)	Prior 3 Months Ended Quarterly Only No 4th Quarter (f)
			Current Year (c)	Previous Year (d)		
27	Net Utility Operating Income (Carried forward from page 114)		15,686,689	13,215,152		
28	Other Income and Deductions					
29	Other Income					
30	Nonutility Operating Income					
31	Revenues From Merchandising, Jobbing and Contract Work (415)					
32	(Less) Costs and Exp. of Merchandising, Job. & Contract Work (416)					
33	Revenues From Nonutility Operations (417)					
34	(Less) Expenses of Nonutility Operations (417.1)					
35	Nonoperating Rental Income (418)					
36	Equity in Earnings of Subsidiary Companies (418.1)	119				
37	Interest and Dividend Income (419)		10,290,796	2,324,626		
38	Allowance for Other Funds Used During Construction (419.1)		785,639	161,118		
39	Miscellaneous Nonoperating Income (421)		4,216	29,897		
40	Gain on Disposition of Property (421.1)		1,000			
41	TOTAL Other Income (Enter Total of lines 31 thru 40)		11,081,651	2,515,641		
42	Other Income Deductions					
43	Loss on Disposition of Property (421.2)					
44	Miscellaneous Amortization (425)					
45	Donations (426.1)					
46	Life Insurance (426.2)					
47	Penalties (426.3)		3,000			
48	Exp. for Certain Civic, Political & Related Activities (426.4)					
49	Other Deductions (426.5)					
50	TOTAL Other Income Deductions (Total of lines 43 thru 49)		3,000			
51	Taxes Applic. to Other Income and Deductions					
52	Taxes Other Than Income Taxes (408.2)	262-263				
53	Income Taxes-Federal (409.2)	262-263				
54	Income Taxes-Other (409.2)	262-263				
55	Provision for Deferred Inc. Taxes (410.2)	234, 272-277				
56	(Less) Provision for Deferred Income Taxes-Cr. (411.2)	234, 272-277				
57	Investment Tax Credit Adj.-Net (411.5)					
58	(Less) Investment Tax Credits (420)					
59	TOTAL Taxes on Other Income and Deductions (Total of lines 52-58)					
60	Net Other Income and Deductions (Total of lines 41, 50, 59)		11,078,651	2,515,641		
61	Interest Charges					
62	Interest on Long-Term Debt (427)		8,373,621	8,572,717		
63	Amort. of Debt Disc. and Expense (428)		92,603	95,317		
64	Amortization of Loss on Reaquired Debt (428.1)		724,819	746,066		
65	(Less) Amort. of Premium on Debt-Credit (429)		596,274	613,753		
66	(Less) Amortization of Gain on Reaquired Debt-Credit (429.1)					
67	Interest on Debt to Assoc. Companies (430)					
68	Other Interest Expense (431)		-379,150	-362,086		
69	(Less) Allowance for Borrowed Funds Used During Construction-Cr. (432)					
70	Net Interest Charges (Total of lines 62 thru 69)		8,215,619	8,438,261		
71	Income Before Extraordinary Items (Total of lines 27, 60 and 70)		18,549,721	7,292,532		
72	Extraordinary Items					
73	Extraordinary Income (434)					
74	(Less) Extraordinary Deductions (435)					
75	Net Extraordinary Items (Total of line 73 less line 74)					
76	Income Taxes-Federal and Other (409.3)	262-263				
77	Extraordinary Items After Taxes (line 75 less line 76)					
78	Net Income (Total of line 71 and 77)		18,549,721	7,292,532		

STATEMENT OF RETAINED EARNINGS

1. Do not report Lines 49-53 on the quarterly version.
2. Report all changes in appropriated retained earnings, unappropriated retained earnings, year to date, and unappropriated undistributed subsidiary earnings for the year.
3. Each credit and debit during the year should be identified as to the retained earnings account in which recorded (Accounts 433, 436 - 439 inclusive). Show the contra primary account affected in column (b)
4. State the purpose and amount of each reservation or appropriation of retained earnings.
5. List first account 439, Adjustments to Retained Earnings, reflecting adjustments to the opening balance of retained earnings. Follow by credit, then debit items in that order.
6. Show dividends for each class and series of capital stock.
7. Show separately the State and Federal income tax effect of items shown in account 439, Adjustments to Retained Earnings.
8. Explain in a footnote the basis for determining the amount reserved or appropriated. If such reservation or appropriation is to be recurrent, state the number and annual amounts to be reserved or appropriated as well as the totals eventually to be accumulated.
9. If any notes appearing in the report to stockholders are applicable to this statement, include them on pages 122-123.

Line No.	Item (a)	Contra Primary Account Affected (b)	Current Quarter/Year Year to Date Balance (c)	Previous Quarter/Year Year to Date Balance (d)
	UNAPPROPRIATED RETAINED EARNINGS (Account 216)			
1	Balance-Beginning of Period		168,448,372	161,155,840
2	Changes			
3	Adjustments to Retained Earnings (Account 439)			
4				
5				
6				
7				
8				
9	TOTAL Credits to Retained Earnings (Acct. 439)			
10				
11				
12				
13				
14				
15	TOTAL Debits to Retained Earnings (Acct. 439)			
16	Balance Transferred from Income (Account 433 less Account 418.1)		18,549,721	7,292,532
17	Appropriations of Retained Earnings (Acct. 436)			
18				
19				
20				
21				
22	TOTAL Appropriations of Retained Earnings (Acct. 436)			
23	Dividends Declared-Preferred Stock (Account 437)			
24				
25				
26				
27				
28				
29	TOTAL Dividends Declared-Preferred Stock (Acct. 437)			
30	Dividends Declared-Common Stock (Account 438)			
31				
32				
33				
34				
35				
36	TOTAL Dividends Declared-Common Stock (Acct. 438)			
37	Transfers from Acct 216.1, Unapprop. Undistrib. Subsidiary Earnings			
38	Balance - End of Period (Total 1,9,15,16,22,29,36,37)		186,998,093	168,448,372
	APPROPRIATED RETAINED EARNINGS (Account 215)			
39				
40				

STATEMENT OF RETAINED EARNINGS

1. Do not report Lines 49-53 on the quarterly version.
2. Report all changes in appropriated retained earnings, unappropriated retained earnings, year to date, and unappropriated undistributed subsidiary earnings for the year.
3. Each credit and debit during the year should be identified as to the retained earnings account in which recorded (Accounts 433, 436 - 439 inclusive). Show the contra primary account affected in column (b)
4. State the purpose and amount of each reservation or appropriation of retained earnings.
5. List first account 439, Adjustments to Retained Earnings, reflecting adjustments to the opening balance of retained earnings. Follow by credit, then debit items in that order.
6. Show dividends for each class and series of capital stock.
7. Show separately the State and Federal income tax effect of items shown in account 439, Adjustments to Retained Earnings.
8. Explain in a footnote the basis for determining the amount reserved or appropriated. If such reservation or appropriation is to be recurrent, state the number and annual amounts to be reserved or appropriated as well as the totals eventually to be accumulated.
9. If any notes appearing in the report to stockholders are applicable to this statement, include them on pages 122-123.

Line No.	Item (a)	Contra Primary Account Affected (b)	Current Quarter/Year Year to Date Balance (c)	Previous Quarter/Year Year to Date Balance (d)
41				
42				
43				
44				
45	TOTAL Appropriated Retained Earnings (Account 215)			
	APPROP. RETAINED EARNINGS - AMORT. Reserve, Federal (Account 215.1)			
46	TOTAL Approp. Retained Earnings-Amort. Reserve, Federal (Acct. 215.1)			
47	TOTAL Approp. Retained Earnings (Acct. 215, 215.1) (Total 45,46)			
48	TOTAL Retained Earnings (Acct. 215, 215.1, 216) (Total 38, 47) (216.1)		186,998,093	168,448,372
	UNAPPROPRIATED UNDISTRIBUTED SUBSIDIARY EARNINGS (Account			
	Report only on an Annual Basis, no Quarterly			
49	Balance-Beginning of Year (Debit or Credit)			
50	Equity in Earnings for Year (Credit) (Account 418.1)			
51	(Less) Dividends Received (Debit)			
52				
53	Balance-End of Year (Total lines 49 thru 52)			

STATEMENT OF CASH FLOWS

(1) Codes to be used:(a) Net Proceeds or Payments;(b)Bonds, debentures and other long-term debt; (c) Include commercial paper; and (d) Identify separately such items as investments, fixed assets, intangibles, etc.
(2) Information about noncash investing and financing activities must be provided in the Notes to the Financial statements. Also provide a reconciliation between "Cash and Cash Equivalents at End of Period" with related amounts on the Balance Sheet.
(3) Operating Activities - Other: Include gains and losses pertaining to operating activities only. Gains and losses pertaining to investing and financing activities should be reported in those activities. Show in the Notes to the Financials the amounts of interest paid (net of amount capitalized) and income taxes paid.
(4) Investing Activities: Include at Other (line 31) net cash outflow to acquire other companies. Provide a reconciliation of assets acquired with liabilities assumed in the Notes to the Financial Statements. Do not include on this statement the dollar amount of leases capitalized per the USofA General Instruction 20; instead provide a reconciliation of the dollar amount of leases capitalized with the plant cost.

Line No.	Description (See Instruction No. 1 for Explanation of Codes) (a)	Current Year to Date Quarter/Year (b)	Previous Year to Date Quarter/Year (c)
1	Net Cash Flow from Operating Activities:		
2	Net Income (Line 78(c) on page 117)	18,549,721	7,292,531
3	Noncash Charges (Credits) to Income:		
4	Depreciation and Depletion	26,605,343	35,337,967
5	Amortization of Debt Expenses	817,422	841,384
6	Amortization of Bond Premium	-596,274	-613,753
7	Capitalized Interest Expense	785,639	161,118
8	Deferred Income Taxes (Net)		
9	Investment Tax Credit Adjustment (Net)		
10	Net (Increase) Decrease in Receivables	-3,249,006	-5,985,449
11	Net (Increase) Decrease in Inventory		
12	Net (Increase) Decrease in Allowances Inventory		
13	Net Increase (Decrease) in Payables and Accrued Expenses	2,318,124	4,161,097
14	Net (Increase) Decrease in Other Regulatory Assets		
15	Net Increase (Decrease) in Other Regulatory Liabilities		
16	(Less) Allowance for Other Funds Used During Construction		
17	(Less) Undistributed Earnings from Subsidiary Companies		
18	Other (provide details in footnote):		
19			
20	Net Increase in Other Deferred Credits	505,520	-238,109
21			
22	Net Cash Provided by (Used in) Operating Activities (Total 2 thru 21)	45,736,489	40,956,786
23			
24	Cash Flows from Investment Activities:		
25	Construction and Acquisition of Plant (including land):		
26	Gross Additions to Utility Plant (less nuclear fuel)		
27	Gross Additions to Nuclear Fuel		
28	Gross Additions to Common Utility Plant	-31,069,571	-21,692,125
29	Gross Additions to Nonutility Plant		
30	(Less) Allowance for Other Funds Used During Construction		
31	Other (provide details in footnote):		
32			
33			
34	Cash Outflows for Plant (Total of lines 26 thru 33)	-31,069,571	-21,692,125
35			
36	Acquisition of Other Noncurrent Assets (d)		
37	Proceeds from Disposal of Noncurrent Assets (d)		
38			
39	Investments in and Advances to Assoc. and Subsidiary Companies		
40	Contributions and Advances from Assoc. and Subsidiary Companies		
41	Disposition of Investments in (and Advances to)		
42	Associated and Subsidiary Companies		
43			
44	Purchase of Investment Securities (a)	-86,219,765	-73,633,311
45	Proceeds from Sales of Investment Securities (a)	46,803,437	38,307,818

STATEMENT OF CASH FLOWS

(1) Codes to be used:(a) Net Proceeds or Payments;(b)Bonds, debentures and other long-term debt; (c) Include commercial paper; and (d) Identify separately such items as investments, fixed assets, intangibles, etc.
 (2) Information about noncash investing and financing activities must be provided in the Notes to the Financial statements. Also provide a reconciliation between "Cash and Cash Equivalents at End of Period" with related amounts on the Balance Sheet.
 (3) Operating Activities - Other: Include gains and losses pertaining to operating activities only. Gains and losses pertaining to investing and financing activities should be reported in those activities. Show in the Notes to the Financials the amounts of interest paid (net of amount capitalized) and income taxes paid.
 (4) Investing Activities: Include at Other (line 31) net cash outflow to acquire other companies. Provide a reconciliation of assets acquired with liabilities assumed in the Notes to the Financial Statements. Do not include on this statement the dollar amount of leases capitalized per the USofA General Instruction 20; instead provide a reconciliation of the dollar amount of leases capitalized with the plant cost.

Line No.	Description (See Instruction No. 1 for Explanation of Codes) (a)	Current Year to Date Quarter/Year (b)	Previous Year to Date Quarter/Year (c)
46	Loans Made or Purchased		
47	Collections on Loans		
48			
49	Net (Increase) Decrease in Receivables		
50	Net (Increase) Decrease in Inventory		
51	Net (Increase) Decrease in Allowances Held for Speculation		
52	Net Increase (Decrease) in Payables and Accrued Expenses		
53	Other (provide details in footnote):		
54			
55			
56	Net Cash Provided by (Used in) Investing Activities		
57	Total of lines 34 thru 55)	-70,485,899	-57,017,618
58			
59	Cash Flows from Financing Activities:		
60	Proceeds from Issuance of:		
61	Long-Term Debt (b)		
62	Preferred Stock		
63	Common Stock		
64	Other (provide details in footnote):		
65			
66	Net Increase in Short-Term Debt (c)		
67	Other (provide details in footnote):		
68	Receipts from Market Participants (See Note 3)	519,093,000	560,856,688
69	Payments to Market Participants (See Note 3)	-449,489,729	-546,056,066
70	Cash Provided by Outside Sources (Total 61 thru 69)	69,603,271	14,800,622
71			
72	Payments for Retirement of:		
73	Long-term Debt (b)	-4,970,000	-4,765,000
74	Preferred Stock		
75	Common Stock		
76	Other (provide details in footnote):		
77	Increase in Special Deposits	97,941	-107
78	Net Decrease in Short-Term Debt (c)		
79	Net (Increase) in Other Special Funds	1,511,132	-1,840,507
80	Dividends on Preferred Stock		
81	Dividends on Common Stock		
82	Net Cash Provided by (Used in) Financing Activities		
83	(Total of lines 70 thru 81)	66,242,344	8,195,008
84			
85	Net Increase (Decrease) in Cash and Cash Equivalents		
86	(Total of lines 22,57 and 83)	41,492,934	-7,865,824
87			
88	Cash and Cash Equivalents at Beginning of Period	324,901,420	332,767,244
89			
90	Cash and Cash Equivalents at End of period	366,394,354	324,901,420

Name of Respondent
California Independent System Operator Corporation

This Report Is:
(1) An Original
(2) A Resubmission

Date of Report
(Mo, Da, Yr)
04/17/2020

Year/Period of Report
End of 2019/Q4

STATEMENTS OF ACCUMULATED COMPREHENSIVE INCOME, COMPREHENSIVE INCOME, AND HEDGING ACTIVITIES

Line No.	Other Cash Flow Hedges Interest Rate Swaps (f)	Other Cash Flow Hedges [Insert Footnote at Line 1 to specify] (g)	Totals for each category of items recorded in Account 219 (h)	Net Income (Carried Forward from Page 117, Line 78) (i)	Total Comprehensive Income (j)
1			(8,220,543)		
2					
3			2,154,146		
4			2,154,146	7,292,531	9,446,677
5			(6,066,397)		
6			(6,066,397)		
7					
8			7,112,956		
9			7,112,956	18,549,721	25,662,677
10			1,046,559		

Name of Respondent California Independent System Operator	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report 04/17/2020	Year/Period of Report End of <u>2019/Q4</u>
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NOTES TO FINANCIAL STATEMENTS

1. Use the space below for important notes regarding the Balance Sheet, Statement of Income for the year, Statement of Retained Earnings for the year, and Statement of Cash Flows, or any account thereof. Classify the notes according to each basic statement, providing a subheading for each statement except where a note is applicable to more than one statement.
2. Furnish particulars (details) as to any significant contingent assets or liabilities existing at end of year, including a brief explanation of any action initiated by the Internal Revenue Service involving possible assessment of additional income taxes of material amount, or of a claim for refund of income taxes of a material amount initiated by the utility. Give also a brief explanation of any dividends in arrears on cumulative preferred stock.
3. For Account 116, Utility Plant Adjustments, explain the origin of such amount, debits and credits during the year, and plan of disposition contemplated, giving references to Commission orders or other authorizations respecting classification of amounts as plant adjustments and requirements as to disposition thereof.
4. Where Accounts 189, Unamortized Loss on Recquired Debt, and 257, Unamortized Gain on Recquired Debt, are not used, give an explanation, providing the rate treatment given these items. See General Instruction 17 of the Uniform System of Accounts.
5. Give a concise explanation of any retained earnings restrictions and state the amount of retained earnings affected by such restrictions.
6. If the notes to financial statements relating to the respondent company appearing in the annual report to the stockholders are applicable and furnish the data required by instructions above and on pages 114-121, such notes may be included herein.
7. For the 3Q disclosures, respondent must provide in the notes sufficient disclosures so as to make the interim information not misleading. Disclosures which would substantially duplicate the disclosures contained in the most recent FERC Annual Report may be omitted.
8. For the 3Q disclosures, the disclosures shall be provided where events subsequent to the end of the most recent year have occurred which have a material effect on the respondent. Respondent must include in the notes significant changes since the most recently completed year in such items as: accounting principles and practices; estimates inherent in the preparation of the financial statements; status of long-term contracts; capitalization including significant new borrowings or modifications of existing financing agreements; and changes resulting from business combinations or dispositions. However were material contingencies exist, the disclosure of such matters shall be provided even though a significant change since year end may not have occurred.
9. Finally, if the notes to the financial statements relating to the respondent appearing in the annual report to the stockholders are applicable and furnish the data required by the above instructions, such notes may be included herein.

PAGE 122 INTENTIONALLY LEFT BLANK
SEE PAGE 123 FOR REQUIRED INFORMATION.

Name of Respondent	This Report is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) 04/17/2020	Year/Period of Report 2019/Q4
California Independent System Operator Corporation			
NOTES TO FINANCIAL STATEMENTS (Continued)			

1. Organization and Operations

The Company, a nonprofit public benefit corporation, is responsible for ensuring the reliable and efficient use of the transmission grid in most of California and a part of Nevada. The Company operates this grid, which is one of the largest and most modern power grids in the world, as a balancing authority within the Western Electricity Coordinating Council. The Company conducts comprehensive planning for the future development of this grid.

The Company is regulated by the Federal Energy Regulatory Commission ("FERC") and complies with standards set by the North American Electric Reliability Corporation and the Western Electricity Coordinating Council. A five-member Board of Governors (the "Board") appointed by the Governor of California and confirmed by the California State Senate governs the Company.

The Company's wholesale energy market is the vehicle for providing open-access transmission service to users of the transmission grid. It includes a day-ahead market for all twenty-four hours of the next operating day, and a real-time market that schedules resources in 15 minute intervals and dispatches them in 5 minute intervals. The day-ahead market clears supply and demand offers for short-term energy purchases and sales. The real-time market clears supply offers and the Company's forecast of demand. Together, these enable the economic scheduling and dispatch of generating resources to maintain continuous balance of supply and demand and management of congestion on the grid. The market also procures reserve capacity or ancillary services to maintain reliable operation under unexpected changes in grid conditions.

The Company continues to develop market enhancements to increase reliability, efficiency and the accuracy of market results. The current market prices energy at the points it enters and leaves the grid, which increases transparency by sending signals for competitive investments in transmission and generation. The market operates on an advanced and flexible platform helping to integrate renewable resources as well as demand response. These enhancements increase the functionality and flexibility of the market system to meet the on-going needs of market participants.

The Company operates the Western Energy Imbalance Market (the "EIM"). This extension of the Company's real-time energy market facilitates transactions with and among several balancing authority areas in the western interconnection that are not a part of the grid the Company operates. The EIM provides reliability, efficiency and renewable integration benefits to the West while also providing economic benefits to participants. The broader footprint for the real-time market provides more opportunities to integrate cleaner sources of energy, such as wind and solar, that may be produced in one area but needed in another. Eight balancing authorities are participating as of the end of 2019 and several others have committed to participate in the future.

In July 2019, the Company became the Reliability Coordinator for entities within its balancing area and a few other contiguous balancing areas. In November 2019, and the services were expanded to balancing authorities and transmission operators throughout the West. As the Reliability Coordinator (RC West), the Company has the highest level of authority and responsibility for the reliable operation of the power grid, and has a wide-area view of the bulk electricity system. It is required to comply with federal and regional grid standards, and can authorize measures to prevent or mitigate system emergencies in day-ahead or real-time operations. As of the end of 2019, RC West is the Reliability Coordinator of record for forty-two balancing authorities and transmission operators in the West.

In addition, the Company also performs a settlement and clearing function by charging and collecting payments from users of these services and paying providers of such services. Cash held by the Company on behalf of market participants is recorded in a restricted asset account with a corresponding liability due to market participants in the Balance Sheet. Except for the retention of restricted assets noted above, the Company's financial statements reflect a net reporting of market activities wherein the financial statements do not include the revenues and expenses, cash flows, or assets and liabilities associated with the market transactions it facilitates. Grid Management Charge ("GMC") revenues have a priority claim against any market-related receipts. Any market defaults are allocated to market participants.

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NOTES TO FINANCIAL STATEMENTS (Continued)			

2. Summary of Significant Accounting Policies

Method of accounting

The accompanying financial statements have been prepared in conformity with the requirements of the FERC, as set forth in its applicable Uniform System of Accounts and published accounting releases. Accordingly, as required by the FERC, certain information has been presented differently or has been excluded from that which would be required by accounting principles generally accepted in the United States of America ("GAAP"). Such differences include expense recognition related to the post-employment medical benefit plan, accounting for certain investments, the classification of long-term debt, balance sheet captions used for certain assets and liabilities, and the presentation of cash flows, as specified by the FERC. Additionally, certain disclosures required by GAAP are not required to be presented by the FERC.

Net presentation of market activity

The Company is a central counterparty to the market transactions that it financially settles, with certain limited exceptions. The Company is a buyer to every seller and a seller to every buyer, but market participants are responsible for supplying electricity and other services to their customers. The Company's market participants are the primary obligors with respect to those obligations. In the event of a market default, the defaulted amount is allocated among market participants, in accordance with the tariff. Market participants continue to bear the credit risk associated with any financial defaults by other market participants. Accordingly, the Company's financial statements continue to reflect a net reporting of market activities and exclude the revenues and expenses, cash flows, and assets and liabilities associated with the market transactions the Company facilitates.

Use of estimates

The preparation of the financial statements in conformity with GAAP requires management to make estimates and assumptions that affect reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements, and the reported amounts of revenues and expenses during the reporting period. Actual results could materially differ from these, and other, estimates.

Utility plant

Fixed assets are recorded at cost. Depreciation is computed using the straight-line method over the estimated useful lives of assets. Most of the Company's investment in fixed assets consists of the headquarters building and the backup facility, both of which are being depreciated over twenty to thirty years, and information systems, which are being depreciated over three to seven years. The cost of improvements to or replacement of fixed assets is capitalized. Interest incurred during development is capitalized. When assets are retired or otherwise disposed of, the cost and related depreciation are removed from the accounts and any resulting gain or loss is reflected in the Company's Statement of Income for the period. Repair and maintenance costs are expensed when incurred. The Company capitalizes direct costs of salaries and certain indirect costs to develop or obtain software for internal use. Costs related to software development during the preliminary stage of a project and training and maintenance costs are expensed as incurred. Costs related to abandoned projects are expensed when the decision to abandon is made.

Cash and cash equivalents

Cash and cash equivalents are included in various funds the use of which is either unrestricted or restricted. Cash and cash equivalents are comprised of cash in bank accounts, money market funds, and other highly liquid investments with original maturities of three months or less. Cash and cash equivalents are unrestricted unless specifically restricted by bond indentures or the tariff.

Other property and investments

Other property and investments include other investments and other special funds. Other investments have maturities of more than three months and include government and federal agency securities, corporate bonds, certificates of deposits ("CDs") and equity and fixed income mutual funds. Investments are carried at fair value.

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NOTES TO FINANCIAL STATEMENTS (Continued)			

Income on investments and the gain or loss on the fair value of instruments are recorded as a component of interest income.

Other special funds include cash and cash equivalents restricted by the tariff for market participants, bond indenture agreements for capital expenditures, funds held in trust for employee retirement plans and amounts on deposit for generator interconnection studies.

Current and accrued assets

Current and accrued assets include cash in bank accounts, special deposits, customer accounts receivable, other accounts receivable, prepayments, interest and dividends receivable, and accrued utility revenues.

Special deposits include cash, cash equivalents and investments restricted for debt service that are held by a bond trustee under an indenture agreement for scheduled repayments of bond principal and for a debt service reserve fund. Investments, which include government and federal agency securities and corporate bonds, are carried at fair value.

Accrued utility revenues and revenue recognition

The GMC is based on rates filed with the FERC and is designed to recover the Company's operating costs, capital expenditures, debt service costs, and to provide for an operating reserve. The GMC billings are recognized as revenue. The initial billings are based on estimated meter data submitted by market participants and therefore may be subject to adjustment over time to reflect the difference between actual meter data and initial estimates.

The GMC is comprised of the following three service categories: market services, system operations and congestion revenue rights services.

The operating reserve is calculated separately for each GMC service category and accumulates until the reserve becomes fully funded (at 15% of budgeted annual operating costs for each rate service category). At December 31, 2018, the operating reserve for each service category was fully funded. In accordance with the tariff, any surplus operating reserve balance is applied as a reduction in revenue requirements in the following year. The tariff allows GMC rates to be adjusted not more than once per quarter. The rate for a service category is adjusted if the difference in actual versus projected volumes used to set the rate is equal or greater than 2%, or if the difference in actual versus estimated annual revenues for the service category is equal or greater than \$1.0 million. In May 2019, the rate for congestive revenue rights was adjusted and in August, 2018, rates for the system operations and market services were adjusted.

In addition, the Company bills the participants of the EIM an administrative charge based on gross imbalance EIM volumes and at a rate that is developed annually to recover the ongoing costs of operating the EIM. The EIM administrative charge is included in other revenues of the Company.

The Company also bills the balancing authorities and transmission owners that avail of the services of RC West based on net energy loads and at a rate that is developed annually to recover the ongoing costs of the service. Participants with no load are charged a predetermined fixed amount. The Reliability Coordinator charge is included in other revenues of the Company.

Generator interconnection studies

The Company is responsible for conducting generator interconnection studies at the request of project sponsors who are developing generating plants that would become connected to the transmission grid operated by the Company. The project sponsors are required to make a deposit before any studies are performed. Sponsors may withdraw from the studies at any time.

In accordance with the tariff, the Company charges the project sponsors the actual costs of the studies. Related study costs include both internal costs and external costs and are recorded, when incurred, as operating expenses.

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NOTES TO FINANCIAL STATEMENTS (Continued)			

As costs are incurred, the Company recognizes revenue for the same amount, which is recorded as a component of operating revenues. The Company applies the deposits against the related receivable as costs are incurred. Certain deposits related to projects abandoned by the project sponsors are retained by the Company and distributed in accordance with the tariff. These distributions do not result in revenues or expenses recognized by the Company.

Deferred debits

Deferred debits consist primarily of debt issuance costs, which are amortized over the life of the bonds using the bonds outstanding method, which approximates the effective interest method.

Compensated absences

The Company accrues vacation leave when the employee becomes eligible for the benefit. The Company does not record sick leave or other leave as a liability since there are no cash payments for sick leave or other leave made when employees terminate or retire. At December 31, 2019 and 2018, the total accrued liability for vacation was \$10.2 million and \$9.4 million, respectively.

Other deferred credits

Other deferred credits consist primarily of liabilities related to generator noncompliance fines. From December 8, 2000 through June 30, 2001, the Company assessed noncompliance fines on participating generators that failed to fully comply with dispatch instructions when the Company was seeking to prevent an imminent or threatened system emergency. In accordance with the tariff, these fines are retained by the Company. The Company recorded the net realizable amount of such fines as revenue when the underlying noncompliance event occurred. However, the amount of the fines, were based on the price of energy which has since been changed as a result of the still ongoing litigation over the California electricity crisis that have changed those prices. The Company adjusts such amounts in recognition of these developments, which affect the ultimate recognition of the fines charged and payments of the liability.

Income taxes

The Company is exempt from federal income tax under Section 501(c)(3) of the U.S. Internal Revenue Service ("IRS") Code and is exempt from California State franchise income taxes.

Concentration of credit risk

Financial instruments that subject the Company to credit risk consist primarily of accounts receivable relating to GMC billings due from market participants, cash and cash equivalents and investments.

Most of the Company's receivables are due from entities in the energy industry, including utilities, generation owners and other electricity market participants. For the years ended December 31, 2019 and 2018, approximately 38 percent and 43 percent of GMC revenues, respectively, were from two market participants.

GMC revenues have a priority claim against any market-related receipts, which means that even if an entity defaults on an invoice containing a GMC charge, the Company receives the full GMC so long as sufficient funds were received on other market invoices to fund GMC due to the Company.

The Company's concentration of credit risk related to its investment portfolio is the risk attributed to the magnitude of investments in a single issuer. The Company's investment policy limits investments in any single issuer to no more than 5% of the portfolio, with exceptions relating to obligations issued by or fully guaranteed as to principal and interest by the United States, federal agencies or United States government sponsored enterprises, pooled investments such as money market funds, and investments procured in connection with Company bond offerings. As of December 31, 2019, other than the security exceptions described in the investment policy, the Company had no investments in any one issuer representing more than 5% of total cash and cash equivalents and investments.

Money Market Fund rules require the use of a floating net asset ("NAV") for institutional prime money market funds and provide boards with the ability to impose liquidity fees, as well as implement redemption gates, for all non-governmental money market funds during periods of stress in the financial markets. Under normal

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NOTES TO FINANCIAL STATEMENTS (Continued)			

circumstances a floating NAV money market fund investment would continue to meet the definition of a cash equivalent. However, in the event credit or liquidity issues arise causing a meaningful decrease of the money market investments below \$1.0000 per share the classification of such investments as cash equivalents may not be appropriate. There were no credit or liquidity issues that resulted in meaningful decreases in the Company's money market investments in 2019 and 2018. Therefore, amounts invested in money market funds remain classified as cash equivalents.

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NOTES TO FINANCIAL STATEMENTS (Continued)			

3. Customer Deposits

Customer deposits, which are cash and cash equivalents restricted for market participants, consists of amounts held by the Company to be remitted to market participants or others on their behalf. The balance of customer deposits at December 31 is as follows (in thousands):

	2019	2018
Security deposits	\$ 213,038	\$ 185,469
Market funds pending settlement	101,009	75,384
Pass-through fees due to others	12,995	11,975
Generator interconnection study deposits	75,904	59,710
Non-refundable deposits pending distribution	9,062	8,122
Total amounts restricted for market participants	\$ 412,008	\$ 340,660

Security deposits are amounts received from market participants who are required to post collateral for their transactions in the Company's markets. Market funds pending settlement consist of amounts collected during the settlement and clearing function that will pass through to market participants in subsequent periods. Pass-through fees due to others consist of amounts collected from market participants that will be paid to market participants for summer reliability, startup costs and emission costs. Generator interconnection study deposits are amounts collected for future studies. Non-refundable deposits consist of interconnection amounts which are non-refundable to project sponsors in accordance with tariff requirements.

These amounts are reflected in the Balance Sheet as Customer Deposits, a liability account, and as a component of Other Special Funds, an asset account.

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NOTES TO FINANCIAL STATEMENTS (Continued)			

4. Other Investments, Other Special Funds and Special Deposits

Other investments, other special funds and special deposits consist of the following at December 31 (in thousands):

	2019	2018
Money market, certificates of deposit and other funds	\$ 551,759	\$ 399,704
Corporate notes	18,444	27,792
Government securities	60,856	91,285
Stocks	<u>37</u>	<u>37</u>
Total other investments, special funds and deposits	<u>\$ 631,096</u>	<u>\$ 518,818</u>
Other investments	\$ 201,626	\$ 162,210
Other special funds	429,431	356,471
Special deposits	<u>39</u>	<u>137</u>
Total other investments, special funds and deposits	<u>\$ 631,096</u>	<u>\$ 518,818</u>
	2018	2017
Money market, certificates of deposit and other funds	\$ 399,704	\$ 350,078
Corporate notes	27,792	37,944
Government securities	91,285	81,377
Stocks	<u>37</u>	<u>37</u>
Total other investments, special funds and deposits	<u>\$ 518,818</u>	<u>\$ 469,436</u>
Other investments	\$ 162,210	\$ 126,884
Other special funds	356,471	342,415
Special deposits	<u>137</u>	<u>137</u>
Total other investments, special funds and deposits	<u>\$ 518,818</u>	<u>\$ 469,436</u>

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The Company recognized gain on investments of \$5.1 million at December 31, 2019 and a loss on investments of \$1.4 million at December 31, 2018. The gains and losses are included in Interest Income. For the years ended December 31, 2019 and 2018, the disaggregated gains and losses are as follows (in thousands):

	2019	2018
Realized gains/(losses) on equities sold during the year	\$ 534	\$ 331
Unrealized (losses)/gains on equities held at end of year	4,612	<u>(1,706)</u>
Net (losses)/gains	<u>\$ 5,146</u>	<u>\$ (1,375)</u>

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NOTES TO FINANCIAL STATEMENTS (Continued)			

5. Utility Plant

Utility plant consists of the following at December 31 (in thousands):

	2019	2018
Nondepreciable fixed assets:		
Land	\$ 10,561	\$ 10,561
Work-in-progress	<u>6,901</u>	<u>16,852</u>
	17,462	27,413
Depreciable fixed assets:		
Regional transmission operator software	443,833	421,838
Regional transmission operator hardware	22,030	20,754
Communication equipment	11,814	10,833
ISO facilities (HQ and Lincoln)	161,574	161,517
Furniture, fixtures and other	<u>17,947</u>	<u>15,899</u>
	657,198	630,841
Less: Accumulated depreciation	<u>(503,803)</u>	<u>(491,174)</u>
	153,395	139,667
Total fixed assets, net	<u>\$ 170,857</u>	<u>\$ 167,080</u>

The Company capitalized interest related to the development of fixed assets of \$0.8 million and \$0.2 million for the years ending December 31, 2019 and 2018, respectively.

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NOTES TO FINANCIAL STATEMENTS (Continued)			

6. Generator Noncompliance Fines

In 2000 and 2001, the Company billed generator noncompliance fines to market participants, of which the Company collected \$60.7 million. Generally, these fines were assessed at a rate corresponding to twice the highest price paid in the Company's markets for energy during the interval when the generator failed to comply the dispatch instruction. Because the energy prices for this period are being adjusted as a result of the Federal Energy Regulatory Commission Refund Case, as described in Note 13, the amount of the fines to be retained by the Company is being reduced, with any surplus collections being refunded with interest to market participants. The Company accrues interest in accordance with the rulings of the Federal Energy Regulatory Commission rulings on the portion of fines collected in excess of the estimated realizable amount, which is to be refunded to market participants when the amounts are settled. The ultimate settlement of fines is expected after the conclusion of the proceedings in the Federal Energy Regulatory Commission Refund Case and the financial settlement of the California Power Exchange ("Cal PX").

Based on estimates of the mitigated energy prices, the Company recorded fine revenues totaling \$29.5 million, resulting in a refund liability of \$31.2 million before interest. The Company reduced its refund liability (and associated interest obligation) by distributing funds to market participants that approximately equal its refund liability in connection with settlement agreements approved by the Federal Energy Regulatory Commission, including a distribution of \$43.9 million on December 31, 2010.

Each year, the Company adjusts its estimated refund liability based on updated information it obtains related to interest and other factors that will serve to change the estimated amount of generator fine proceeds the Company will ultimately retain, which consequently modifies the generator fine collections that will be returned to market participants.

Based on estimates obtained in 2019 from parties involved in these proceedings and an updated estimate of the proportionate allocation of shortfalls to the Company in 2019, there was a decrease in the estimated liability of \$0.4 million. As of December 31, 2019, the Company estimates the remaining liability (including interest) related to generator noncompliance fines to be \$1.4 million.

There are significant uncertainties associated with the final settlement of generator noncompliance fines. While management's estimated liability at December 31, 2019 is based on the best information available, adjustments are likely to occur in the future to the estimated liability associated with interest and other shortfalls that will be incurred by the Cal PX, and allocated to the Company in connection with final disposition of the funds and obligations arising from the events of 2000 and 2001.

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7. Bonds

Bonds consist of the following at December 31, 2019 (in thousands):

	2019	2018
CIEDB Revenue Bonds, Series 2013 Fixed interest rates of 2.00% - 5.25% with maturities through 2039	\$ 168,545	\$ 173,515
Unamortized net premium	6,647	7,243
Unamortized debt issuance costs	<u>(1,032)</u>	<u>(1,125)</u>
Total long-term debt	<u>\$ 174,160</u>	<u>\$ 179,633</u>

Scheduled future debt service payments as of December 31, 2019, are as follows (in thousands):

	Principal	Interest	Total
2020	\$ 5,165	\$ 8,242	\$ 13,407
2021	5,395	8,005	13,400
2022	5,640	7,760	13,400
2023	5,885	7,489	13,374
2024	6,180	7,187	13,367
2025 – 2040	140,280	59,022	199,302
	<u>\$ 168,545</u>	<u>\$ 97,705</u>	<u>\$ 266,250</u>

The Series 2013 bonds are supported by a pledge of the Company's revenues and operating reserves. In addition, the bonds are supported by a deed of trust on the Company's headquarters building and land.

Interest expense recorded by the Company related to long-term debt includes interest paid on the bonds (net of interest capitalized to fixed assets), and amortization of the bond issuance costs, loss on refunding and the bond premiums.

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8. Derivative Financial Instrument – Congestion Revenue Rights (“CRRs”)

As described in Note 2, the Company is the central counterparty to market participant transactions which includes CRRs. CRRs are financial instruments that enable market participants to reduce their congestion-related price risk when delivering or selling energy on the grid. A CRR provides an economic hedging mechanism against congestion charges that can be transacted by market participants separately from transmission services. These instruments are considered derivative financial instruments for accounting purposes, which would require presentation at fair value if they were recognized as assets and liabilities of the Company.

Consistent with its role in facilitating other market transactions, the Company facilitates the allocation, auctioning and ultimate settlement of CRRs in its market, but does not have economic risks and rewards associated with these financial instruments. Any market defaults are allocated to market participants. As such they are not recognized as assets and liabilities in the Company’s Balance Sheet. However, unlike other market transactions administered by the Company, CRRs can be outstanding for extended periods of time. At December 31, 2019, the average life of the Company’s CRRs was 7.84 years and there were a total of 99 CRR holders, compared to 3.9 years and 100 CRR holders at December 31, 2018. The estimated net fair value of both the CRR assets and liabilities as of December 31, 2019 was \$841.4 million related to a total of 713,388 megawatts, which vary in length from one month to several years. This is compared to \$940.5 million related to a total of 610,212 megawatts at December 31, 2018. The value of each megawatt of CRR is a function of numerous factors including the length of period the CRR covers.

While these amounts are not presented in the Balance Sheet, their estimated net fair value is disclosed for informational purposes given their longer term nature. Their fair value was determined based on several factors including actual auction prices transacted in the most recent annual and monthly auction processes, the Company’s models which calculate the estimated value of all transmission constraints, net present value discounting and other factors. In addition to the high level of uncertainty associated with these inputs to the valuation calculation model, changes to actual or anticipated flows and constraints on the transmission system managed by the Company or in the value of electricity flowing on the transmission system create volatility that can significantly affect CRR values. Changes in generation, load, weather, and transmission outages are other factors that can have immediate and significant impact on CRR values.

The following is a summary of CRR megawatts, by type, outstanding at December 31, 2019:

Type (in Megawatts)

Monthly (January 2020)	37,462
Annual (February - December 2020)	374,754
Long Term (January 2019 - December 2028)	301,172
	<u>713,388</u>

The following is a summary of CRR megawatts, by type, outstanding at December 31, 2018:

Type (in Megawatts)

Monthly (January 2019)	32,025
Annual (February - December 2019)	250,347
Long Term (January 2019 - December 2028)	327,840
	<u>610,212</u>

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9. Fair Value of Financial Instruments

Accounting guidance for fair value measurement requires entities to maximize the use of observable inputs and minimize the use of unobservable inputs when measuring fair value. The standard establishes a three-tier fair value hierarchy based on the level of independent, objective evidence surrounding the inputs used to measure fair value. A financial instrument's categorization within the fair value hierarchy is based upon the lowest level of input that is significant to the fair value measurement. The fair value hierarchy is as follows:

Level 1: Applies to assets or liabilities for which there are quoted prices in active markets that are accessible at the measurement date for identical unrestricted assets or liabilities.

Level 2: Applies to assets or liabilities for which there are inputs other than quoted prices that are observable for the asset or liability such as quoted prices for similar assets or liabilities in active markets; quoted prices for identical assets or liabilities in markets with insufficient volume or infrequent transactions (less active markets); or model-derived valuations in which significant inputs and significant value drivers are observable or can be derived principally from, or corroborated by, observable market data.

Level 3: Applies to assets or liabilities for which there are unobservable inputs to the valuation methodology that are significant to the measurement of the fair value of the assets or liabilities.

The Company's assessment of the significance of a particular input to the fair value measurement in its entirety requires judgment and considers factors specific to the asset or liability. Financial assets and liabilities are classified in their entirety based on the level of input that is considered most significant to the fair value measurement.

The Company's assets measured at fair value on a recurring basis at December 31, 2019, were as follows (in thousands):

	Total	Level 1	Level 2	Level 3
Cash:	\$ 56,909	\$ -	\$ -	\$ -
Cash equivalents:				
Money market funds	309,487	309,487		
Short-term investments:				
Publicly traded mutual funds	10,537	10,537		
U.S. Treasury securities	19,031		19,031	
U.S. government agency securities	11,606		11,606	
Negotiable certificates of deposit	28,799		28,799	
Corporate debt securities	2,503		2,503	
Long-term investments:				
U.S. Treasury securities	21,215		21,215	
U.S. government agency securities	9,004		9,004	
Negotiable certificates of deposit	30,756		30,756	
Corporate debt securities	15,902		15,902	
Publicly traded mutual funds	116,349	116,349		
Captive insurance investment	37			37
	<u>\$ 632,135</u>	<u>\$ 436,373</u>	<u>\$ 138,816</u>	<u>\$ 37</u>

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The Company's assets measured at fair value on a recurring basis at December 31, 2018, were as follows (in thousands):

	Total	Level 1	Level 2	Level 3
Cash:	\$ 30,384	\$ -	\$ -	\$ -
Cash equivalents:				
Money market funds	294,517	294,517		
Short-term investments:				
Publicly traded mutual funds	15,167	15,167		
U.S. Treasury securities	20,892		20,892	
U.S. government agency securities	8,421		8,421	
Negotiable certificates of deposit	15,661		15,661	
Corporate debt securities	9,786		9,786	
Long-term investments:				
U.S. Treasury securities	39,723		39,723	
U.S. government agency securities	22,248		22,248	
Negotiable certificates of deposit	46,078		46,078	
Corporate debt securities	17,869		17,869	
Publicly traded mutual funds	33,057	33,057		
Captive insurance investment	37			37
	<u>\$553,840</u>	<u>\$342,741</u>	<u>\$ 180,678</u>	<u>\$ 37</u>

Level 1 money market funds, publicly traded mutual funds, and employee retirement plan trust accounts are determined by using quoted prices in active markets. Level 2 fixed income securities are priced using quoted market prices for similar instruments or nonbinding market prices that are corroborated by observable market data. Level 3 assets are non-negotiable instruments which require the use of unobservable inputs in determining fair value.

The fair value of the employee retirement plan trust accounts at December 31, 2019 and 2018 was \$5.0 million and \$3.9 million, respectively. These accounts are invested in cash equivalents and publicly traded mutual funds and are classified as Level 1 assets.

The bonds, employee retirement plan trust accounts, money market funds, mutual funds, and CDs are components of other investments, other special funds, special deposits, and cash in the Balance Sheet.

The fair value of the Company's long-term debt as of December 31, 2019 and 2018 was \$185.9 million and \$190.0 million respectively. The fair value of fixed rate long-term debt, which includes the short-term portion, is based on current market quotes which are classified as a Level 1 on the fair value hierarchy at both December 31, 2019 and 2018.

The carrying values reported in the Balance Sheet for current assets and liabilities, excluding amounts discussed above, approximate fair value.

Additionally, the Company had \$17.0 million and \$10.4 million at December 31, 2019 and 2018, respectively, in trust related to the post-employment medical benefit plan (see Note 10). At December 31, 2019 and 2018, these trust assets consist primarily of mutual funds and are classified as Level 1 within the fair value hierarchy.

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10. Employee Benefit Plans

The Company maintains a number of employee benefit plans. The description of the plans and key provisions is included below. The plans are included in accumulated provision for pensions and benefits in the Balance Sheet and consist of the following at December 31 (in thousands):

	2019	2018
Post-employment medical benefit plan	\$ 14,434	\$ 24,232
Executive pension restoration plan	3,436	2,709
Executive savings plan	1,570	1,193
Total accumulated provision for pensions and benefits	<u>\$ 19,440</u>	<u>\$ 28,134</u>

Post-employment medical benefit plan

Plan description

The Company sponsors the California ISO Retirees Medical Plan ("the Plan"), a single employer defined benefit plan, to provide post-employment health care benefits to all eligible employees who retire from the Company and meet certain eligibility requirements. The plan was amended in November 2018 effective January 1, 2019. As of January 1, 2019, the plan was closed to new hires and rehires. Additionally, eligibility for retirement was changed to age 55 with at least 10 years of continuous service, whose combined age and years of continuous service equals or exceeds 70. For employees born after January 1, 1969, pre-65 spousal coverage ends on the participants' 75th birth date. Post-65 spousal coverage is unchanged; a spouse who is removed from pre-65 coverage may obtain coverage once they reach age 65.

Depending on years of service, the Company pays between 60% and 70% of the premiums on the coverage elections made by the beneficiaries not to exceed \$8,000 per year for individual retiree coverage and \$16,000 per year for retiree plus spouse and/or dependent. Plan benefits are available to eligible retirees and to their spouses, domestic partners and eligible dependents, as provided for under the terms of the plan. Current plan coverage extends for the lifetime of the participants and their beneficiaries, except for dependents, which generally terminates at age 26.

The Plan provides a monthly amount per post-65 retiree and eligible post-65 dependents towards the cost of enrolling in any of the Medicare supplemental programs, and at the Company's discretion, may increase the allowance annually. Supplemental program costs in excess of the provided monthly amount are the responsibility of the retirees and or dependents.

There are 525 active employees of which, 99 are fully eligible to retire and 74 retirees eligible to receive benefits pursuant to the plan as of December 31, 2019.

Funding and investment policy

The Company has established a trust for the purposes of funding the plan. The trust was established as a tax-exempt voluntary employees' beneficiary association. All assets of the trust are to be used for the exclusive benefit of the participants and beneficiaries of the plan. Although the Company has fiscal accountability for these assets and holds them in a fiduciary capacity, the assets are not considered assets of the Company and are therefore not included in the Balance Sheet of the Company. The Plan issues audited trust financial statements annually and are available upon request. The trust had the following activity at December 31 (in thousands):

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	2019	2018
Fair value of assets, beginning	\$ 10,371	\$ 11,046
Actual return on assets	2,231	(675)
Employer contributions	5,043	841
Plan participants' contributions		
Benefits paid and other	(606)	(841)
Fair value of assets, ending	<u>\$ 17,039</u>	<u>\$ 10,371</u>

The Company's current funding policy is to annually contribute an amount such that the total amount in the trust approximates the actuarially determined liability attributable to retirees and their spouses and to active participants who are fully eligible to retire as determined under GASB 75. Based on this current funding policy, the trust is fully funded at December 31, 2019.

The Company does not provide funding into the trust related to future obligations associated with employees who have not become eligible to retire, although, as part of its rate structure, the Company collects annual amounts associated with future other post-employment benefit ("OPEB") obligations for all employees. As a result, assets equivalent to the actuarially determined liability attributable to employees not yet eligible to retire are segregated in a separate custody account. The amounts are adjusted annually to match the current actuarially determined liability.

The assets of both the trust and the Company's segregated funds are invested in accordance with the Board approved California ISO Retirees Medical Plan Investment Policy Statement. In general, the assets are invested in a mix of equity and fixed income mutual funds.

The Company also currently funds disbursements for the employer portion of the premiums on the coverage elections made by the pre-65 beneficiaries, their spouse and, if any, dependents, and the monthly contributions to the post-65 retirees and their post-65 dependents from the segregated funds.

The plan had the following activity and related accumulated post retirement benefit obligation ("APBO") at December 31 (in thousands):

	2019	2018
APBO, beginning of year	\$ 34,510	\$ 35,724
Service cost	1,713	2,390
Interest cost	1,477	1,323
Plan participants' contributions	-	-
Actuarial (gain)/loss	(5,964)	(11,427)
Plan amendments	-	7,383
Benefits paid and other	(606)	(883)
APBO, end of year	<u>31,130</u>	<u>34,510</u>
Less: fair value of plan assets	<u>17,039</u>	<u>10,371</u>
Funded status and balance sheet liability	<u>\$ 14,091</u>	<u>\$ 24,139</u>

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APBO at December 31, 2019 decreased by \$3.4 million primarily due to an actuarial gain of \$6.0 million and benefit payments of \$0.6 million, partially offset by normal service and interest costs of \$3.2 million. In addition, plan assets increased by \$6.7 due to a Company contribution of \$4.7 million to the Plan and to investment gains of \$2.0 million during the period. The actuarial gain was primarily the result of the changes in the assumptions including the change in the escalation rate of the Health Retirement Account (HRA) funding, full adoption of new termination and retirement rates offset by an decrease in the discount rate from 4.3% to 3.7%. The change in the escalation rate of the HRA funding contributed to the majority of the actuarial gain.

APBO at December 31, 2018 decreased by \$0.6 million primarily due to an actuarial gain of \$11.4 million and benefit payments of \$0.9 million, partially offset by normal service and interest costs of \$3.7 million and to a charge of \$7.4 million as a result of amendments to the Plan. In addition, plan assets decreased by \$0.7 due to unrealized investment losses during the period. The actuarial gain was primarily the result of the changes in the assumptions including the full adoption of new termination and retirement rates and an increase in the discount rate from 3.7% to 4.3%. The change in the new termination and retirement rates contributed to the majority of the actuarial gain.

Actuarial gains or losses and the impact of changes in assumptions are recorded as accumulated other comprehensive income or loss ("AOCI") in the proprietary capital section of the Balance Sheet. In 2019, the Company recorded a net increase in AOCI of \$7.1 million, which is due to the actuarial gain of \$7.4 million mainly resulting from the change in plan assumptions, partially offset by net amortizations of prior service credits and net loss of \$0.3 million. In 2018, the Company recorded a net decrease in AOCI of \$2.2 million, which is due to the actuarial gain of \$10.1 million mainly resulting from the change in plan assumptions partially offset by the prior service credit loss of \$7.4 million, as a result of plan benefit changes and the net amortizations of net prior service credits and net loss of \$0.6 million. The change in the AOCI at December 31 is accounted as follows (in thousands):

	2019	2018
Net prior service credit	\$ (9,181)	\$ (10,564)
Net loss	8,134	16,630
AOCI, ending	<u>\$ (1,047)</u>	<u>\$ 6,066</u>
AOCI, beginning	\$ 6,066	\$ 8,220
Less amounts amortized during year		
Net prior service credit	1,383	2,260
Net loss	(1,145)	(1,696)
Amounts occurring during year		
Net prior service cost	-	7,383
Net (gain)/loss	(7,351)	(10,101)
AOCI, ending	<u>\$ (1,047)</u>	<u>\$ 6,066</u>

The significant assumptions that are considered in the calculation of the APBO include the discount rate applied to the estimated future health care benefits (3.7% and 4.3% at December 31, 2019 and 2018, respectively), the expected long-term rate of return on assets assumed in expense was 5.7% and 5.9%, respectively, for 2019 and 2018 and the estimated costs of the health care premiums to be paid on behalf of the plan beneficiaries. Such estimated costs are based on current premium levels increased by estimated health care cost trend rates over the projected term of the benefits. The health care cost trend rate assumptions used to estimate the actuarial liability as of December 31, 2019, were annual increases of 6.5% in 2020 and 2021, reducing 0.25% per year for six years and reaching 5.0% in 2027 and after. The health care cost trend rate assumptions used to estimate the actuarial liability as of December 31, 2018, were an increase of 6.3% in 2019, reducing 0.33% for three years and reaching 5.0% in 2023 and after. The Company estimated the long-term return on plan assets based on historical and future estimated returns.

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Assumed health care cost trend rates have a significant effect on the benefit obligation amounts reported for the health care plans. A one-percentage-point change in assumed health care cost trend rates would have the following effects (in thousands):

	1-Percentage Point Increase	1-Percentage Point Decrease
Effect on total service and interest cost	\$ 44	\$ (41)
Effect on APBO	388	(371)

A summary of the plan's postretirement benefit expense for 2019 and 2018 is as follows (in thousands):

	2019	2018
Service cost	\$ 1,713	\$ 2,390
Interest cost	1,477	1,323
Expected return on assets	(844)	(651)
Net amortization	(238)	(564)
Net periodic benefit cost	<u>\$ 2,108</u>	<u>\$ 2,498</u>

The following benefit payments, which reflect expected future health care benefit services, as appropriate, are expected to be paid in connection with the plan as of December 31, 2019 (in thousands):

2020	\$ 702
2021	864
2022	1,051
2023	1,226
2024	1,393
2025-2029	8,872

Executive pension restoration plan

The Company sponsors the Executive Pension Restoration Plan, a nonqualified defined contribution plan, which allows certain officers of the Company to make contributions and receive Company contributions in excess of the 401(k) contribution limits set forth by IRS regulations as described in the retirement savings benefits plan section below.

The contributions and earnings thereon are held in a trust and the balances as of December 31, 2019 and 2018, were \$3.4 million and \$2.7 million, respectively, and are included in Other Assets with a corresponding liability in Employee Retirement Plan Obligations. In connection with this plan, the Company recognized expenses for contributions of \$264,000 and \$240,000 in 2019 and 2018, respectively.

Executive savings plan

The Company sponsors the Executive Savings Plan, a nonqualified defined contribution plan under section 457(b) of the IRS Code. The Company contributes a percentage of each officer's annual base compensation to the plan. Officers may elect to make voluntary contributions, subject to statutory limitations.

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The contributions and earnings thereon are held in a trust and the balance as of December 31, 2019 and 2018 was \$1.6 million and \$1.2 million, respectively, and are included in Other Assets, with a corresponding liability in Employee Retirement Plan Obligations. In connection with this plan, the Company recognized expenses of \$165,000 and \$153,700 in 2019 and 2018, respectively.

Retirement savings benefits plan

The Company sponsors a defined contribution retirement plan, the California ISO Retirement Savings Benefits Plan (the "Retirement Plan") that is subject to the provisions of the Employee Retirement Income Security Act of 1974 and covers substantially all employees. The Retirement Plan is administered by the Company with the assistance of a third party. The assets of the plan are held separately from Company assets and are not combined with the assets in the Balance Sheet.

Employees may elect to contribute up to fifty percent of their eligible compensation to the Retirement Plan, subject to statutory limitations. The Company matches contributions up to six percent of an employees' eligible compensation and an additional contribution equal to five percent of eligible compensation for employees with less than five years of service, or seven percent for employees who have at least five years but not more than ten years of service. An additional contribution of one percent of eligible compensation is also made by the Company for each five year increment of service after an employees' ten year anniversary.

Employee contributions to the Retirement Plan for 2019 and 2018 were \$8.6 million and \$9.3 million, respectively. The Company contributions to the Retirement Plan for 2019 and 2018 were \$10.2 million and \$9.9 million, respectively.

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11. Insurance Programs and Claims

The Company is exposed to various risks of loss related to torts; theft, damage to, and destruction of assets; errors and omissions; nonperformance of duty; injuries to employees; and natural disasters. The Company maintains various commercial and mutual insurance plans that provide coverage for most claims in excess of specific dollar thresholds. Primary insurance policies have coverage limits set based on the Company's assessment of reasonable exposure within that risk category, with consideration of insurance types and coverage limits for comparable entities. Additionally, the Company maintains excess liability coverage that provides umbrella coverage for certain exposures. Losses incurred below insurance deductibles are expensed as incurred. In the last three years, the Company did not incur any claims in excess of the coverage described above.

The Company is a participant in a group captive insurance company for workers compensation insurance coverage. The Company's annual net insurance costs for such coverage vary based on claims incurred at the Company, and to a lesser extent, claims activity of other members of the captive insurance company. The Company's annual insurance expense is limited through reinsurance and risk sharing arrangements of the captive to an additional percentage of the initial base premium paid.

12. Lease Commitments

The Company has long-term operating leases that expire at various times through 2030. The following are the future minimum payments under these agreements as of December 31, 2019 (in thousands):

2020	\$	195
2021		199
2022		203
2023		208
2024-2030		1,588
	\$	2,393

13. Contingencies

The Federal Energy Regulatory Commission Refund Case

In 2000 and 2001, the California energy markets, including those managed by the Company, experienced high prices, shortages of energy and reserves, rolling blackouts and liquidity problems for many market participants. Several of them, including the California Power Exchange (Cal PX), filed for bankruptcy.

Purchasers of energy during this period sought refunds at the Federal Energy Regulatory Commission. In a proceeding that is still ongoing, the Federal Energy Regulatory Commission has issued a series of orders related to mitigating the clearing prices in markets administered by the Company and the Cal PX for the period from October 2, 2000 through June 20, 2001. Most of the Company's market participants have settled their liability arising from this case and related proceedings. Management believes the ultimate outcome of the proceeding will have no material financial impact on the Company as these refund amounts are funded and will ultimately be resettled among market participants, except for the Generator Noncompliance Fines, as described in Note 6.

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Market billing disputes in good faith negotiations

As part of the tariff and applicable contracts, the Company has dispute resolution processes for market participants to register disagreements regarding information reflected in the settlement statements or billing amounts for market activity.

Market disputes are addressed in the normal course of operations, some of which result in adjustments to previously issued settlement statements. When adjustments are made the adjustment amounts are reallocated to market participants based on the allocation methodology related to the charge code being adjusted, with no net cost or credit being realized by the Company. With respect to pending market disputes at December 31, 2019, including those that have escalated to good faith negotiations, management believes that any settlements or market adjustments would be resettled against the market with no liability to the Company.

Indemnifications

The Company's bylaws require its annual financial statements to include disclosures about certain payments made by the Company related to indemnifications to or on behalf of officers and Board members. There were no such payments in 2019 or 2018.

Other matters

The Company, during the ordinary course of its operations, has been involved in various lawsuits and claims. In addition, the Company is subject to compliance requirements of mandatory reliability standards promulgated by the North American Electric Reliability Corporation and approved by the Federal Energy Regulatory Commission, which if violated could result in penalties assessed to the Company.

There are currently some pending claims against the Company as well as matters related to alleged violations of the mandatory reliability standards. Management is of the opinion that none of these matters will have a material adverse impact on the financial position or results of the operations of the Company.

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NOTES TO FINANCIAL STATEMENTS (Continued)			

14. Supplemental Cash Flow Information (in thousands)

	2019	2018
Supplemental information:		
Cash paid for interest for bonds	\$ 8,457	\$ 8,655
Supplemental disclosure of noncash financing and investing activities		
Amortization of bond premium	\$ 596	\$ 614
Amortization of bond issuance costs and loss of refunding	(817)	(841)
Generator fines interest included in interest expense	379	362
Change in purchases and development of fixed assets included in accounts payable and accrued expenses	99	1,989

15. Subsequent Events

The Company evaluates events or transactions that occur after December 31, 2019, but before financial statements are issued for potential recognition or disclosure in the financial statements. The Company has evaluated all subsequent events through April 17, 2020, the date the financial statements were issued, and the following item were noted that need to be disclosed.

On March 4, 2020 the Governor of California, Gavin Newsom, declared a state of emergency as a result of the threat of the coronavirus outbreak ("COVID-19"), which is now categorized as a pandemic as it has been spreading world-wide since at least January 2020, and has affected every state in the United States, including California. President Trump declared a national emergency on March 13, 2020 as a result of the outbreak. On March 19, 2020 the Governor of California issued a stay at home order to protect the health and well-being of all Californians and to establish consistency in mitigation efforts across the state in order to slow the spread of the disease. In essence, the order requires all individuals living in the State of California to stay home or at their place of residence, except as necessary to maintain essential services, which includes the continuity of operation of the federal critical infrastructure sectors.

The situation remains fluid, and governmental officials continue to monitor developments as to the spread of the disease and the impact on the population, and continue sustained efforts to minimize the spread and mitigate the effects of COVID – 19. In response to this crisis the Company has taken proactive steps to protect the health and safety its staff, while safeguarding the critical infrastructure of the power grid and energy market. The Coronavirus did not impact the financial results for the period, and has thus far had only an immaterial impact on electricity demand. It is uncertain at this time whether a decline in demand will continue in the future, and if it would be large enough to require the ISO to adjust its rates. The full extent to which the Coronavirus impacts the Company and results of operations going forward will depend on future developments, which are highly uncertain and cannot be predicted at this time.

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**SUMMARY OF UTILITY PLANT AND ACCUMULATED PROVISIONS
FOR DEPRECIATION, AMORTIZATION AND DEPLETION**

Report in Column (c) the amount for electric function, in column (d) the amount for gas function, in column (e), (f), and (g) report other (specify) and in column (h) common function.

Line No.	Classification (a)	Total Company for the Current Year/Quarter Ended (b)	Electric (c)
1	Utility Plant		
2	In Service		
3	Plant in Service (Classified)	667,760,229	667,760,229
4	Property Under Capital Leases		
5	Plant Purchased or Sold		
6	Completed Construction not Classified		
7	Experimental Plant Unclassified		
8	Total (3 thru 7)	667,760,229	667,760,229
9	Leased to Others		
10	Held for Future Use		
11	Construction Work in Progress	6,900,884	6,900,884
12	Acquisition Adjustments		
13	Total Utility Plant (8 thru 12)	674,661,113	674,661,113
14	Accum Prov for Depr, Amort, & Depl	503,803,771	503,803,771
15	Net Utility Plant (13 less 14)	170,857,342	170,857,342
16	Detail of Accum Prov for Depr, Amort & Depl		
17	In Service:		
18	Depreciation	503,803,771	503,803,771
19	Amort & Depl of Producing Nat Gas Land/Land Right		
20	Amort of Underground Storage Land/Land Rights		
21	Amort of Other Utility Plant		
22	Total In Service (18 thru 21)	503,803,771	503,803,771
23	Leased to Others		
24	Depreciation		
25	Amortization and Depletion		
26	Total Leased to Others (24 & 25)		
27	Held for Future Use		
28	Depreciation		
29	Amortization		
30	Total Held for Future Use (28 & 29)		
31	Abandonment of Leases (Natural Gas)		
32	Amort of Plant Acquisition Adj		
33	Total Accum Prov (equals 14) (22,26,30,31,32)	503,803,771	503,803,771

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SUMMARY OF UTILITY PLANT AND ACCUMULATED PROVISIONS
FOR DEPRECIATION, AMORTIZATION AND DEPLETION

Gas (d)	Other (Specify) (e)	Other (Specify) (f)	Other (Specify) (g)	Common (h)	Line No.
					1
					2
					3
					4
					5
					6
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					31
					32
					33

ELECTRIC PLANT IN SERVICE (Account 101, 102, 103 and 106)

1. Report below the original cost of electric plant in service according to the prescribed accounts.
2. In addition to Account 101, Electric Plant in Service (Classified), this page and the next include Account 102, Electric Plant Purchased or Sold; Account 103, Experimental Electric Plant Unclassified; and Account 106, Completed Construction Not Classified-Electric.
3. Include in column (c) or (d), as appropriate, corrections of additions and retirements for the current or preceding year.
4. For revisions to the amount of initial asset retirement costs capitalized, included by primary plant account, increases in column (c) additions and reductions in column (e) adjustments.
5. Enclose in parentheses credit adjustments of plant accounts to indicate the negative effect of such accounts.
6. Classify Account 106 according to prescribed accounts, on an estimated basis if necessary, and include the entries in column (c). Also to be included in column (c) are entries for reversals of tentative distributions of prior year reported in column (b). Likewise, if the respondent has a significant amount of plant retirements which have not been classified to primary accounts at the end of the year, include in column (d) a tentative distribution of such retirements, on an estimated basis, with appropriate contra entry to the account for accumulated depreciation provision. Include also in column (d)

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)
1	1. INTANGIBLE PLANT		
2	(301) Organization		
3	(302) Franchises and Consents		
4	(303) Miscellaneous Intangible Plant		
5	TOTAL Intangible Plant (Enter Total of lines 2, 3, and 4)		
6	2. PRODUCTION PLANT		
7	A. Steam Production Plant		
8	(310) Land and Land Rights		
9	(311) Structures and Improvements		
10	(312) Boiler Plant Equipment		
11	(313) Engines and Engine-Driven Generators		
12	(314) Turbogenerator Units		
13	(315) Accessory Electric Equipment		
14	(316) Misc. Power Plant Equipment		
15	(317) Asset Retirement Costs for Steam Production		
16	TOTAL Steam Production Plant (Enter Total of lines 8 thru 15)		
17	B. Nuclear Production Plant		
18	(320) Land and Land Rights		
19	(321) Structures and Improvements		
20	(322) Reactor Plant Equipment		
21	(323) Turbogenerator Units		
22	(324) Accessory Electric Equipment		
23	(325) Misc. Power Plant Equipment		
24	(326) Asset Retirement Costs for Nuclear Production		
25	TOTAL Nuclear Production Plant (Enter Total of lines 18 thru 24)		
26	C. Hydraulic Production Plant		
27	(330) Land and Land Rights		
28	(331) Structures and Improvements		
29	(332) Reservoirs, Dams, and Waterways		
30	(333) Water Wheels, Turbines, and Generators		
31	(334) Accessory Electric Equipment		
32	(335) Misc. Power PLant Equipment		
33	(336) Roads, Railroads, and Bridges		
34	(337) Asset Retirement Costs for Hydraulic Production		
35	TOTAL Hydraulic Production Plant (Enter Total of lines 27 thru 34)		
36	D. Other Production Plant		
37	(340) Land and Land Rights		
38	(341) Structures and Improvements		
39	(342) Fuel Holders, Products, and Accessories		
40	(343) Prime Movers		
41	(344) Generators		
42	(345) Accessory Electric Equipment		
43	(346) Misc. Power Plant Equipment		
44	(347) Asset Retirement Costs for Other Production		
45	TOTAL Other Prod. Plant (Enter Total of lines 37 thru 44)		
46	TOTAL Prod. Plant (Enter Total of lines 16, 25, 35, and 45)		

ELECTRIC PLANT IN SERVICE (Account 101, 102, 103 and 106) (Continued)

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)
47	3. TRANSMISSION PLANT		
48	(350) Land and Land Rights		
49	(352) Structures and Improvements		
50	(353) Station Equipment		
51	(354) Towers and Fixtures		
52	(355) Poles and Fixtures		
53	(356) Overhead Conductors and Devices		
54	(357) Underground Conduit		
55	(358) Underground Conductors and Devices		
56	(359) Roads and Trails		
57	(359.1) Asset Retirement Costs for Transmission Plant		
58	TOTAL Transmission Plant (Enter Total of lines 48 thru 57)		
59	4. DISTRIBUTION PLANT		
60	(360) Land and Land Rights		
61	(361) Structures and Improvements		
62	(362) Station Equipment		
63	(363) Storage Battery Equipment		
64	(364) Poles, Towers, and Fixtures		
65	(365) Overhead Conductors and Devices		
66	(366) Underground Conduit		
67	(367) Underground Conductors and Devices		
68	(368) Line Transformers		
69	(369) Services		
70	(370) Meters		
71	(371) Installations on Customer Premises		
72	(372) Leased Property on Customer Premises		
73	(373) Street Lighting and Signal Systems		
74	(374) Asset Retirement Costs for Distribution Plant		
75	TOTAL Distribution Plant (Enter Total of lines 60 thru 74)		
76	5. REGIONAL TRANSMISSION AND MARKET OPERATION PLANT		
77	(380) Land and Land Rights	10,561,101	
78	(381) Structures and Improvements	161,516,821	56,395
79	(382) Computer Hardware	20,755,276	1,715,497
80	(383) Computer Software	421,836,554	35,384,560
81	(384) Communication Equipment	10,832,699	1,007,202
82	(385) Miscellaneous Regional Transmission and Market Operation Plant	15,900,037	2,172,458
83	(386) Asset Retirement Costs for Regional Transmission and Market Oper		
84	TOTAL Transmission and Market Operation Plant (Total lines 77 thru 83)	641,402,488	40,336,112
85	6. GENERAL PLANT		
86	(389) Land and Land Rights		
87	(390) Structures and Improvements		
88	(391) Office Furniture and Equipment		
89	(392) Transportation Equipment		
90	(393) Stores Equipment		
91	(394) Tools, Shop and Garage Equipment		
92	(395) Laboratory Equipment		
93	(396) Power Operated Equipment		
94	(397) Communication Equipment		
95	(398) Miscellaneous Equipment		
96	SUBTOTAL (Enter Total of lines 86 thru 95)		
97	(399) Other Tangible Property		
98	(399.1) Asset Retirement Costs for General Plant		
99	TOTAL General Plant (Enter Total of lines 96, 97 and 98)		
100	TOTAL (Accounts 101 and 106)	641,402,488	40,336,112
101	(102) Electric Plant Purchased (See Instr. 8)		
102	(Less) (102) Electric Plant Sold (See Instr. 8)		
103	(103) Experimental Plant Unclassified		
104	TOTAL Electric Plant in Service (Enter Total of lines 100 thru 103)	641,402,488	40,336,112

ELECTRIC PLANT IN SERVICE (Account 101, 102, 103 and 106) (Continued)

distributions of these tentative classifications in columns (c) and (d), including the reversals of the prior years tentative account distributions of these amounts. Careful observance of the above instructions and the texts of Accounts 101 and 106 will avoid serious omissions of the reported amount of respondent's plant actually in service at end of year.

7. Show in column (f) reclassifications or transfers within utility plant accounts. Include also in column (f) the additions or reductions of primary account classifications arising from distribution of amounts initially recorded in Account 102, include in column (e) the amounts with respect to accumulated provision for depreciation, acquisition adjustments, etc., and show in column (f) only the offset to the debits or credits distributed in column (f) to primary account classifications.

8. For Account 399, state the nature and use of plant included in this account and if substantial in amount submit a supplementary statement showing subaccount classification of such plant conforming to the requirement of these pages.

9. For each amount comprising the reported balance and changes in Account 102, state the property purchased or sold, name of vendor or purchase, and date of transaction. If proposed journal entries have been filed with the Commission as required by the Uniform System of Accounts, give also date

Retirements (d)	Adjustments (e)	Transfers (f)	Balance at End of Year (g)		Line No.
					1
					2
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Name of Respondent
California Independent System Operator Corporation

This Report Is:
(1) An Original
(2) A Resubmission

Date of Report
(Mo, Da, Yr)
04/17/2020

Year/Period of Report
End of 2019/Q4

ELECTRIC PLANT IN SERVICE (Account 101, 102, 103 and 106) (Continued)

Retirements (d)	Adjustments (e)	Transfers (f)	Balance at End of Year (g)	Line No.
				47
				48
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				73
				74
				75
				76
			10,561,101	77
			161,573,216	78
439,977			22,030,796	79
13,386,917			443,834,197	80
25,585			11,814,316	81
125,894			17,946,601	82
				83
13,978,373			667,760,227	84
				85
				86
				87
				88
				89
				90
				91
				92
				93
				94
				95
				96
				97
				98
				99
13,978,373			667,760,227	100
				101
				102
				103
13,978,373			667,760,227	104

CONSTRUCTION WORK IN PROGRESS - - ELECTRIC (Account 107)

1. Report below descriptions and balances at end of year of projects in process of construction (107)
2. Show items relating to "research, development, and demonstration" projects last, under a caption Research, Development, and Demonstrating (see Account 107 of the Uniform System of Accounts)
3. Minor projects (5% of the Balance End of the Year for Account 107 or \$1,000,000, whichever is less) may be grouped.

Line No.	Description of Project (a)	Construction work in progress - Electric (Account 107) (b)
1	Logging System	41,991
2	EMS Replacement Project	1,118,944
3	ADS Replacement	662,241
4	Model Synchronization	190,199
5	CRR Transparency Enh.	23,291
6	VER Forecasting Project	3,738
7	Weather and Geospatial Data	401,218
8	Generator Contingency/RAS Model	935,723
9	Day Ahead Market 15 Min	243,676
10	Commitment Cost & Default Energ	1,020,653
11	Load Forecasting Improve for LD	154,324
12	ESDER Phase 3B	43,738
13	AS Procurement from VERs	343
14	Dispatch Operating Target	13,844
15	Operators Training System	59,872
16	Day Head Nodal Pricing	2,070
17	Topology State Estimator	147
18	Day Ahead Reliability Tool	368
19	RIMS Enhancements	201,964
20	Interconnection Process Enh.	14,339
21	FERC Order 845	770
22	2019 Hardware Purchase	50,617
23	2019 Software	10,795
24	Seattle City Light	315,899
25	LADWP EIM	565,423
26	Salt River Project EIM	736,493
27	Public New Mexico EIM	43,024
28	NorthWestern Energy EIM	24,410
29	BANC Phase 2	7,250
30	BPA EIM	13,520
31		
32		
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41		
42		
43	TOTAL	6,900,884

ACCUMULATED PROVISION FOR DEPRECIATION OF ELECTRIC UTILITY PLANT (Account 108)

1. Explain in a footnote any important adjustments during year.
2. Explain in a footnote any difference between the amount for book cost of plant retired, Line 11, column (c), and that reported for electric plant in service, pages 204-207, column 9d), excluding retirements of non-depreciable property.
3. The provisions of Account 108 in the Uniform System of accounts require that retirements of depreciable plant be recorded when such plant is removed from service. If the respondent has a significant amount of plant retired at year end which has not been recorded and/or classified to the various reserve functional classifications, make preliminary closing entries to tentatively functionalize the book cost of the plant retired. In addition, include all costs included in retirement work in progress at year end in the appropriate functional classifications.
4. Show separately interest credits under a sinking fund or similar method of depreciation accounting.

Section A. Balances and Changes During Year

Line No.	Item (a)	Total (c+d+e) (b)	Electric Plant in Service (c)	Electric Plant Held for Future Use (d)	Electric Plant Leased to Others (e)
1	Balance Beginning of Year	491,176,800	491,176,800		
2	Depreciation Provisions for Year, Charged to				
3	(403) Depreciation Expense	26,605,343	26,605,343		
4	(403.1) Depreciation Expense for Asset Retirement Costs				
5	(413) Exp. of Elec. Plt. Leas. to Others				
6	Transportation Expenses-Clearing				
7	Other Clearing Accounts				
8	Other Accounts (Specify, details in footnote):				
9					
10	TOTAL Deprec. Prov for Year (Enter Total of lines 3 thru 9)	26,605,343	26,605,343		
11	Net Charges for Plant Retired:				
12	Book Cost of Plant Retired	13,978,372	13,978,372		
13	Cost of Removal				
14	Salvage (Credit)				
15	TOTAL Net Chrgs. for Plant Ret. (Enter Total of lines 12 thru 14)	13,978,372	13,978,372		
16	Other Debit or Cr. Items (Describe, details in footnote):				
17					
18	Book Cost or Asset Retirement Costs Retired				
19	Balance End of Year (Enter Totals of lines 1, 10, 15, 16, and 18)	503,803,771	503,803,771		

Section B. Balances at End of Year According to Functional Classification

20	Steam Production				
21	Nuclear Production				
22	Hydraulic Production-Conventional				
23	Hydraulic Production-Pumped Storage				
24	Other Production				
25	Transmission				
26	Distribution				
27	Regional Transmission and Market Operation	503,803,771	503,803,771		
28	General				
29	TOTAL (Enter Total of lines 20 thru 28)	503,803,771	503,803,771		

Transmission Service and Generation Interconnection Study Costs

1. Report the particulars (details) called for concerning the costs incurred and the reimbursements received for performing transmission service and generator interconnection studies.
2. List each study separately.
3. In column (a) provide the name of the study.
4. In column (b) report the cost incurred to perform the study at the end of period.
5. In column (c) report the account charged with the cost of the study.
6. In column (d) report the amounts received for reimbursement of the study costs at end of period.
7. In column (e) report the account credited with the reimbursement received for performing the study.

Line No.	Description (a)	Costs Incurred During Period (b)	Account Charged (c)	Reimbursements Received During the Period (d)	Account Credited With Reimbursement (e)
1	Transmission Studies				
2	40030	4,128	186	4,128	186
3	40031	6,275	186	6,275	186
4	40040	2,578	186	2,578	186
5	40041	4,985	186	4,985	186
6	40042	8,301	186	8,301	186
7	40043	1,762	186	1,762	186
8	40044	2,743	186	2,743	186
9	40045	9,629	186	9,629	186
10	40046	3,819	186	3,819	186
11	40047	3,597	186	3,597	186
12	40048	1,173	186	1,173	186
13	40049	759	186	759	186
14	43007	1,518	186	1,518	186
15	50010	2,548	186	2,548	186
16	50059	1,311	186	1,311	186
17	50144	5,547	186	5,547	186
18	50189	6,539	186	6,539	186
19	50246	1,834	186	1,834	186
20	50416	2,170	186	2,170	186
21	Generation Studies				
22					
23					
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Transmission Service and Generation Interconnection Study Costs (continued)

Line No.	Description (a)	Costs Incurred During Period (b)	Account Charged (c)	Reimbursements Received During the Period (d)	Account Credited With Reimbursement (e)
1	Transmission Studies				
2	50525	2,447	186	2,447	186
3	50550	1,994	186	1,994	186
4	50555	1,362	186	1,362	186
5	50569	414	186	414	186
6	50589	2,791	186	2,791	186
7	50630	414	186	414	186
8	50647	759	186	759	186
9	50666	8,963	186	8,963	186
10	50712	2,341	186	2,341	186
11	50770	1,799	186	1,799	186
12	50773		186		186
13	50887	4,047	186	4,047	186
14	50897	1,834	186	1,834	186
15	51143	5,639	186	5,639	186
16	51144	3,166	186	3,166	186
17	51151	3,022	186	3,022	186
18	51154	20,695	186	20,695	186
19	51155	19,317	186	19,317	186
20	51156	2,843	186	2,843	186
21	Generation Studies				
22					
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Transmission Service and Generation Interconnection Study Costs (continued)

Line No.	Description (a)	Costs Incurred During Period (b)	Account Charged (c)	Reimbursements Received During the Period (d)	Account Credited With Reimbursement (e)
1	Transmission Studies				
2	51159	637	186	637	186
3	51160	2,465	186	2,465	186
4	51161	1,659	186	1,659	186
5	51162	28,978	186	28,978	186
6	51165	3,036	186	3,036	186
7	51166	2,101	186	2,101	186
8	51167	1,104	186	1,104	186
9	51168	1,780	186	1,780	186
10	51169	690	186	690	186
11	51172	1,273	186	1,273	186
12	51173	2,032	186	2,032	186
13	51211	1,449	186	1,449	186
14	51232	1,449	186	1,449	186
15	51400	414	186	414	186
16	51419	414	186	414	186
17	51421	1,834	186	1,834	186
18	51422	18,792	186	18,792	186
19	51433	1,232	186	1,232	186
20	51460	913	186	913	186
21	Generation Studies				
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Transmission Service and Generation Interconnection Study Costs (continued)

Line No.	Description (a)	Costs Incurred During Period (b)	Account Charged (c)	Reimbursements Received During the Period (d)	Account Credited With Reimbursement (e)
1	Transmission Studies				
2	51539	7,419	186	7,419	186
3	51541	989	186	989	186
4	51557		186		186
5	51583	668	186	668	186
6	51587	2,348	186	2,348	186
7	51601	7,269	186	7,269	186
8	51602	1,948	186	1,948	186
9	51604	169	186	169	186
10	51707	3,637	186	3,637	186
11	51708	5,181	186	5,181	186
12	51714	1,305	186	1,305	186
13	51715	4,247	186	4,247	186
14	51720	2,091	186	2,091	186
15	51732	1,815	186	1,815	186
16	51736	967	186	967	186
17	51737	1,876	186	1,876	186
18	51742	967	186	967	186
19	51745	5,496	186	5,496	186
20	51746	4,120	186	4,120	186
21	Generation Studies				
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Transmission Service and Generation Interconnection Study Costs (continued)

Line No.	Description (a)	Costs Incurred During Period (b)	Account Charged (c)	Reimbursements Received During the Period (d)	Account Credited With Reimbursement (e)
1	Transmission Studies				
2	51752	5,707	186	5,707	186
3	51753	3,020	186	3,020	186
4	51754	4,419	186	4,419	186
5	51756	967	186	967	186
6	51759	6,697	186	6,697	186
7	51760	6,815	186	6,815	186
8	51761	8,364	186	8,364	186
9	51768	828	186	828	186
10	51770	1,082	186	1,082	186
11	51785	414	186	414	186
12	51787	2,324	186	2,324	186
13	51791	9,290	186	9,290	186
14	51800	3,540	186	3,540	186
15	51815	3,775	186	3,775	186
16	51818	3,775	186	3,775	186
17	51821	1,090	186	1,090	186
18	51822	2,590	186	2,590	186
19	51824	4,156	186	4,156	186
20	51825	5,609	186	5,609	186
21	Generation Studies				
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Transmission Service and Generation Interconnection Study Costs (continued)

Line No.	Description (a)	Costs Incurred During Period (b)	Account Charged (c)	Reimbursements Received During the Period (d)	Account Credited With Reimbursement (e)
1	Transmission Studies				
2	51826	5,484	186	5,484	186
3	51829	2,578	186	2,578	186
4	51904	11,230	186	11,230	186
5	51907	2,809	186	2,809	186
6	51915	5,479	186	5,479	186
7	51916	2,595	186	2,595	186
8	51917	3,645	186	3,645	186
9	51918	4,059	186	4,059	186
10	51919	4,059	186	4,059	186
11	51922	974	186	974	186
12	51930	1,604	186	1,604	186
13	51935	5,622	186	5,622	186
14	51948	6,640	186	6,640	186
15	51952	5,479	186	5,479	186
16	51953	4,388	186	4,388	186
17	51954	6,477	186	6,477	186
18	51955	967	186	967	186
19	51959	8	186	8	186
20	51965	1,381	186	1,381	186
21	Generation Studies				
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Transmission Service and Generation Interconnection Study Costs (continued)

Line No.	Description (a)	Costs Incurred During Period (b)	Account Charged (c)	Reimbursements Received During the Period (d)	Account Credited With Reimbursement (e)
1	Transmission Studies				
2	51966	7,724	186	7,724	186
3	51967	3,482	186	3,482	186
4	51972	4,473	186	4,473	186
5	51973	6,859	186	6,859	186
6	51978	6,846	186	6,846	186
7	51979	4,971	186	4,971	186
8	51980	3,898	186	3,898	186
9	51982	3,561	186	3,561	186
10	51983	3,561	186	3,561	186
11	51988	6,731	186	6,731	186
12	51989	8	186	8	186
13	51990	4,887	186	4,887	186
14	51994	3,645	186	3,645	186
15	51995	4,919	186	4,919	186
16	52004	4,120	186	4,120	186
17	52007	5,591	186	5,591	186
18	52008	5,479	186	5,479	186
19	52009	5,479	186	5,479	186
20	52011	2,554	186	2,554	186
21	Generation Studies				
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Transmission Service and Generation Interconnection Study Costs (continued)

Line No.	Description (a)	Costs Incurred During Period (b)	Account Charged (c)	Reimbursements Received During the Period (d)	Account Credited With Reimbursement (e)
1	Transmission Studies				
2	52013	7,859	186	7,859	186
3	52017	3,645	186	3,645	186
4	52021	2,550	186	2,550	186
5	52022	1,388	186	1,388	186
6	53000	28,003	186	28,003	186
7	53004	36,936	186	36,936	186
8	53005	4,806	186	4,806	186
9	53008	31,759	186	31,759	186
10	53009	40,367	186	40,367	186
11	53013	28,476	186	28,476	186
12	53015	30,938	186	30,938	186
13	53016	29,798	186	29,798	186
14	53017	38,934	186	38,934	186
15	53018	17,608	186	17,608	186
16	53022	30,235	186	30,235	186
17	53023	32,488	186	32,488	186
18	53024	42,663	186	42,663	186
19	53025	38,884	186	38,884	186
20	53026	38,765	186	38,765	186
21	Generation Studies				
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Transmission Service and Generation Interconnection Study Costs (continued)

Line No.	Description (a)	Costs Incurred During Period (b)	Account Charged (c)	Reimbursements Received During the Period (d)	Account Credited With Reimbursement (e)
1	Transmission Studies				
2	53027	29,088	186	29,088	186
3	53028	45,684	186	45,684	186
4	53030	38,903	186	38,903	186
5	53037	32,122	186	32,122	186
6	53038	27,680	186	27,680	186
7	53042	37,689	186	37,689	186
8	53043	27,956	186	27,956	186
9	53045	28,064	186	28,064	186
10	53048	38,119	186	38,119	186
11	53050	27,862	186	27,862	186
12	53051	38,765	186	38,765	186
13	53055	28,182	186	28,182	186
14	53060	27,771	186	27,771	186
15	53064	40,582	186	40,582	186
16	53069	41,043	186	41,043	186
17	53071	38,351	186	38,351	186
18	53074	39,399	186	39,399	186
19	53075	28,000	186	28,000	186
20	53077	27,680	186	27,680	186
21	Generation Studies				
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(1) An Original
 (2) A Resubmission

An Original
 A Resubmission

04/17/2020

End of 2019/Q4

Transmission Service and Generation Interconnection Study Costs (continued)

Line No.	Description (a)	Costs Incurred During Period (b)	Account Charged (c)	Reimbursements Received During the Period (d)	Account Credited With Reimbursement (e)
1	Transmission Studies				
2	53078	39,722	186	39,722	186
3	53080	17,308	186	17,308	186
4	53081	28,261	186	28,261	186
5	53085	40,689	186	40,689	186
6	53086	39,184	186	39,184	186
7	53088	27,680	186	27,680	186
8	53089	34,203	186	34,203	186
9	53150	28,078	186	28,078	186
10	53151	38,468	186	38,468	186
11	53152	37,828	186	37,828	186
12	53154	36,323	186	36,323	186
13	53156	38,996	186	38,996	186
14	53157	38,566	186	38,566	186
15	53159	27,054	186	27,054	186
16	53160	35,882	186	35,882	186
17	53161	33,536	186	33,536	186
18	53162	38,883	186	38,883	186
19	53163	26,037	186	26,037	186
20	53164	38,504	186	38,504	186
21	Generation Studies				
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Transmission Service and Generation Interconnection Study Costs (continued)

Line No.	Description (a)	Costs Incurred During Period (b)	Account Charged (c)	Reimbursements Received During the Period (d)	Account Credited With Reimbursement (e)
1	Transmission Studies				
2	53165	25,867	186	25,867	186
3	53166	22,958	186	22,958	186
4	53167	28,017	186	28,017	186
5	53168	36,131	186	36,131	186
6	53169	37,752	186	37,752	186
7	53170	22,693	186	22,693	186
8	53171	25,913	186	25,913	186
9	53173	40,441	186	40,441	186
10	53174	38,097	186	38,097	186
11	53175	39,984	186	39,984	186
12	53176	24,218	186	24,218	186
13	53177	24,115	186	24,115	186
14	53178	26,118	186	26,118	186
15	53180	31,788	186	31,788	186
16	53181	26,022	186	26,022	186
17	53182	31,278	186	31,278	186
18	53183	26,022	186	26,022	186
19	53184	39,049	186	39,049	186
20	53186	37,310	186	37,310	186
21	Generation Studies				
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Transmission Service and Generation Interconnection Study Costs (continued)

Line No.	Description (a)	Costs Incurred During Period (b)	Account Charged (c)	Reimbursements Received During the Period (d)	Account Credited With Reimbursement (e)
1	Transmission Studies				
2	53187	25,758	186	25,758	186
3	53189	26,022	186	26,022	186
4	53190	37,579	186	37,579	186
5	53191	7,268	186	7,268	186
6	53192	26,022	186	26,022	186
7	53193	25,987	186	25,987	186
8	53194	38,641	186	38,641	186
9	53196	26,589	186	26,589	186
10	53197	25,630	186	25,630	186
11	53198	26,091	186	26,091	186
12	53199	28,010	186	28,010	186
13	53200	22,924	186	22,924	186
14	53201	32,339	186	32,339	186
15	53202	37,966	186	37,966	186
16	53203	38,986	186	38,986	186
17	53204	24,032	186	24,032	186
18	53205	39,499	186	39,499	186
19	53207	25,806	186	25,806	186
20	53208	23,078	186	23,078	186
21	Generation Studies				
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Transmission Service and Generation Interconnection Study Costs (continued)

Line No.	Description (a)	Costs Incurred During Period (b)	Account Charged (c)	Reimbursements Received During the Period (d)	Account Credited With Reimbursement (e)
1	Transmission Studies				
2	53209	37,466	186	37,466	186
3	53210	26,748	186	26,748	186
4	53211	28,145	186	28,145	186
5	53214	26,354	186	26,354	186
6	53215	36,253	186	36,253	186
7	53216	23,185	186	23,185	186
8	53218	27,610	186	27,610	186
9	53220	22,528	186	22,528	186
10	53221	22,524	186	22,524	186
11	53222	30,016	186	30,016	186
12	53223	22,149	186	22,149	186
13	53225	26,886	186	26,886	186
14	53226	26,316	186	26,316	186
15	53228	24,055	186	24,055	186
16	53229	38,354	186	38,354	186
17	53234	39,605	186	39,605	186
18	53236	24,458	186	24,458	186
19	53238	38,580	186	38,580	186
20	53240	28,026	186	28,026	186
21	Generation Studies				
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Transmission Service and Generation Interconnection Study Costs (continued)

Line No.	Description (a)	Costs Incurred During Period (b)	Account Charged (c)	Reimbursements Received During the Period (d)	Account Credited With Reimbursement (e)
1	Transmission Studies				
2	53241	26,126	186	26,126	186
3	53246	22,632	186	22,632	186
4	53247	35,539	186	35,539	186
5	53258	34,223	186	34,223	186
6	53259	26,519	186	26,519	186
7	53261	29,287	186	29,287	186
8	53262	29,694	186	29,694	186
9	53264	21,903	186	21,903	186
10	53265	18,198	186	18,198	186
11	53267	23,078	186	23,078	186
12	53268	28,853	186	28,853	186
13	53270	25,957	186	25,957	186
14	53271	39,787	186	39,787	186
15	53273	27,297	186	27,297	186
16	53277	25,833	186	25,833	186
17	53279	28,165	186	28,165	186
18	53280	40,192	186	40,192	186
19	53282	35,727	186	35,727	186
20	53283	34,362	186	34,362	186
21	Generation Studies				
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Transmission Service and Generation Interconnection Study Costs (continued)

Line No.	Description (a)	Costs Incurred During Period (b)	Account Charged (c)	Reimbursements Received During the Period (d)	Account Credited With Reimbursement (e)
1	Transmission Studies				
2	53285	22,483	186	22,483	186
3	53286	26,037	186	26,037	186
4	53288	29,562	186	29,562	186
5	53289	31,149	186	31,149	186
6	53295	4,817	186	4,817	186
7	53297	1,491	186	1,491	186
8	53298	1,491	186	1,491	186
9	53299	6,613	186	6,613	186
10	53300	6,571	186	6,571	186
11	53301	6,571	186	6,571	186
12	53303	6,571	186	6,571	186
13	53304	6,571	186	6,571	186
14	53305	6,571	186	6,571	186
15	53306	6,571	186	6,571	186
16	53307	6,571	186	6,571	186
17	53308	6,571	186	6,571	186
18	53309	6,571	186	6,571	186
19	53310	6,571	186	6,571	186
20	53311	6,402	186	6,402	186
21	Generation Studies				
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Transmission Service and Generation Interconnection Study Costs (continued)

Line No.	Description (a)	Costs Incurred During Period (b)	Account Charged (c)	Reimbursements Received During the Period (d)	Account Credited With Reimbursement (e)
1	Transmission Studies				
2	53313	6,402	186	6,402	186
3	53314	6,402	186	6,402	186
4	53316	1,486	186	1,486	186
5	53319	6,571	186	6,571	186
6	53320	1,486	186	1,486	186
7	53321	937	186	937	186
8	53322	1,486	186	1,486	186
9	53323	6,529	186	6,529	186
10	53325	6,529	186	6,529	186
11	53326	1,570	186	1,570	186
12	53327	1,684	186	1,684	186
13	53328	6,402	186	6,402	186
14	53329	6,402	186	6,402	186
15	53330	1,684	186	1,684	186
16	53331	1,684	186	1,684	186
17	53332	1,449	186	1,449	186
18	53333	1,364	186	1,364	186
19	53334	6,571	186	6,571	186
20	53335	1,847	186	1,847	186
21	Generation Studies				
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Transmission Service and Generation Interconnection Study Costs (continued)

Line No.	Description (a)	Costs Incurred During Period (b)	Account Charged (c)	Reimbursements Received During the Period (d)	Account Credited With Reimbursement (e)
1	Transmission Studies				
2	53336	1,847	186	1,847	186
3	53337	1,406	186	1,406	186
4	53338	6,487	186	6,487	186
5	53340	6,402	186	6,402	186
6	53341	1,486	186	1,486	186
7	53342	1,486	186	1,486	186
8	53343	1,364	186	1,364	186
9	53344	6,402	186	6,402	186
10	53345	1,364	186	1,364	186
11	53346	6,402	186	6,402	186
12	53347	6,402	186	6,402	186
13	53348	1,364	186	1,364	186
14	53351	1,684	186	1,684	186
15	53352	6,402	186	6,402	186
16	53353	4,018	186	4,018	186
17	53354	1,449	186	1,449	186
18	53355	1,364	186	1,364	186
19	53356	1,449	186	1,449	186
20	53357	1,847	186	1,847	186
21	Generation Studies				
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Transmission Service and Generation Interconnection Study Costs (continued)

Line No.	Description (a)	Costs Incurred During Period (b)	Account Charged (c)	Reimbursements Received During the Period (d)	Account Credited With Reimbursement (e)
1	Transmission Studies				
2	53358	1,528	186	1,528	186
3	53359	1,769	186	1,769	186
4	53360	1,406	186	1,406	186
5	53361	1,406	186	1,406	186
6	53362	6,571	186	6,571	186
7	53363	1,684	186	1,684	186
8	53364	1,528	186	1,528	186
9	53365	1,847	186	1,847	186
10	53366	6,571	186	6,571	186
11	53367	1,486	186	1,486	186
12	53368	6,402	186	6,402	186
13	53369	6,402	186	6,402	186
14	53374	1,528	186	1,528	186
15	53375	1,486	186	1,486	186
16	53376	1,684	186	1,684	186
17	53377	1,364	186	1,364	186
18	53379	6,571	186	6,571	186
19	53380	1,486	186	1,486	186
20	53381	6,402	186	6,402	186
21	Generation Studies				
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Transmission Service and Generation Interconnection Study Costs (continued)

Line No.	Description (a)	Costs Incurred During Period (b)	Account Charged (c)	Reimbursements Received During the Period (d)	Account Credited With Reimbursement (e)
1	Transmission Studies				
2	53383	6,402	186	6,402	186
3	53385	6,402	186	6,402	186
4	53386	1,364	186	1,364	186
5	53388	6,402	186	6,402	186
6	53391	6,402	186	6,402	186
7	53393	1,406	186	1,406	186
8	53394	6,487	186	6,487	186
9	53500	15,559	186	15,559	186
10	53501	20,765	186	20,765	186
11	53502	13,386	186	13,386	186
12	53503	16,716	186	16,716	186
13	53504	10,699	186	10,699	186
14	53505	11,817	186	11,817	186
15	53506	12,696	186	12,696	186
16	53507	9,412	186	9,412	186
17	53508	17,141	186	17,141	186
18	53509	10,522	186	10,522	186
19	53510	12,462	186	12,462	186
20	53511	13,935	186	13,935	186
21	Generation Studies				
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Transmission Service and Generation Interconnection Study Costs (continued)

Line No.	Description (a)	Costs Incurred During Period (b)	Account Charged (c)	Reimbursements Received During the Period (d)	Account Credited With Reimbursement (e)
1	Transmission Studies				
2	53512	14,684	186	14,684	186
3	53513	17,795	186	17,795	186
4	53514	15,424	186	15,424	186
5	53515	19,904	186	19,904	186
6	53516	15,241	186	15,241	186
7	53517	13,455	186	13,455	186
8	53518	14,709	186	14,709	186
9	53519	11,588	186	11,588	186
10	53520	15,849	186	15,849	186
11	53521	15,816	186	15,816	186
12	53522	19,216	186	19,216	186
13	53523	22,476	186	22,476	186
14	53524	3,431	186	3,431	186
15	53525	14,302	186	14,302	186
16	53526	12,734	186	12,734	186
17	53527	21,748	186	21,748	186
18	53528	18,079	186	18,079	186
19	53529	18,053	186	18,053	186
20	53530	8,803	186	8,803	186
21	Generation Studies				
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Transmission Service and Generation Interconnection Study Costs (continued)

Line No.	Description (a)	Costs Incurred During Period (b)	Account Charged (c)	Reimbursements Received During the Period (d)	Account Credited With Reimbursement (e)
1	Transmission Studies				
2	53531	15,143	186	15,143	186
3	53532	15,358	186	15,358	186
4	53533	19,662	186	19,662	186
5	53534	8,906	186	8,906	186
6	53535	16,675	186	16,675	186
7	53536	12,503	186	12,503	186
8	53537	10,611	186	10,611	186
9	53538	15,350	186	15,350	186
10	53539	12,612	186	12,612	186
11	53540	15,843	186	15,843	186
12	53541	9,274	186	9,274	186
13	53542	8,665	186	8,665	186
14	53543	13,612	186	13,612	186
15	53544	16,177	186	16,177	186
16	53545	9,665	186	9,665	186
17	53546	9,109	186	9,109	186
18	53547	16,505	186	16,505	186
19	53548	18,879	186	18,879	186
20	53549	20,265	186	20,265	186
21	Generation Studies				
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Transmission Service and Generation Interconnection Study Costs (continued)

Line No.	Description (a)	Costs Incurred During Period (b)	Account Charged (c)	Reimbursements Received During the Period (d)	Account Credited With Reimbursement (e)
1	Transmission Studies				
2	53550	16,248	186	16,248	186
3	53551	17,244	186	17,244	186
4	53552	17,686	186	17,686	186
5	53553	14,504	186	14,504	186
6	53554	13,239	186	13,239	186
7	53555	13,337	186	13,337	186
8	53556	10,973	186	10,973	186
9	53557	16,674	186	16,674	186
10	53558	16,597	186	16,597	186
11	53559	18,031	186	18,031	186
12	53560	17,049	186	17,049	186
13	53561	9,684	186	9,684	186
14	53562	16,004	186	16,004	186
15	53564	12,401	186	12,401	186
16	53565	10,103	186	10,103	186
17	53566	3,598	186	3,598	186
18	53567	16,162	186	16,162	186
19	53568	20,505	186	20,505	186
20	53569	12,252	186	12,252	186
21	Generation Studies				
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Transmission Service and Generation Interconnection Study Costs (continued)

Line No.	Description (a)	Costs Incurred During Period (b)	Account Charged (c)	Reimbursements Received During the Period (d)	Account Credited With Reimbursement (e)
1	Transmission Studies				
2	53570	16,088	186	16,088	186
3	53571	617	186	617	186
4	53572	16,429	186	16,429	186
5	53573	10,208	186	10,208	186
6	53574	17,520	186	17,520	186
7	53575	10,394	186	10,394	186
8	53576	12,089	186	12,089	186
9	53577	11,303	186	11,303	186
10	53578	13,010	186	13,010	186
11	53579	15,346	186	15,346	186
12	53580	16,569	186	16,569	186
13	53581	12,365	186	12,365	186
14	53583	11,052	186	11,052	186
15	53584	13,306	186	13,306	186
16	53585	18,429	186	18,429	186
17	53586	9,226	186	9,226	186
18	53587	20,665	186	20,665	186
19	53588	14,350	186	14,350	186
20	53589	9,400	186	9,400	186
21	Generation Studies				
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Transmission Service and Generation Interconnection Study Costs (continued)

Line No.	Description (a)	Costs Incurred During Period (b)	Account Charged (c)	Reimbursements Received During the Period (d)	Account Credited With Reimbursement (e)
1	Transmission Studies				
2	53590	13,216	186	13,216	186
3	53591	16,039	186	16,039	186
4	53592	15,527	186	15,527	186
5	53593	15,408	186	15,408	186
6	53594	19,612	186	19,612	186
7	53595	21,494	186	21,494	186
8	53596	16,289	186	16,289	186
9	53597	19,177	186	19,177	186
10	53598	7,010	186	7,010	186
11	53599	19,055	186	19,055	186
12	53600	16,076	186	16,076	186
13	53601	21,097	186	21,097	186
14	53602	17,198	186	17,198	186
15	53603	8,330	186	8,330	186
16	53604	17,627	186	17,627	186
17	53605	16,391	186	16,391	186
18	53606	16,416	186	16,416	186
19	53607	12,499	186	12,499	186
20	53608	6,796	186	6,796	186
21	Generation Studies				
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Transmission Service and Generation Interconnection Study Costs (continued)

Line No.	Description (a)	Costs Incurred During Period (b)	Account Charged (c)	Reimbursements Received During the Period (d)	Account Credited With Reimbursement (e)
1	Transmission Studies				
2	53609	16,927	186	16,927	186
3	53610	18,610	186	18,610	186
4	53611	8,426	186	8,426	186
5	53612	7,708	186	7,708	186
6	53613	15,632	186	15,632	186
7	53614	15,774	186	15,774	186
8	53615	16,181	186	16,181	186
9	53616	20,428	186	20,428	186
10	53617	15,049	186	15,049	186
11	53618	16,194	186	16,194	186
12	53619	13,572	186	13,572	186
13	53620	8,616	186	8,616	186
14	53621	10,724	186	10,724	186
15	53622	21,151	186	21,151	186
16	53623	13,837	186	13,837	186
17	53624	10,685	186	10,685	186
18	53625	14,782	186	14,782	186
19	53626	17,105	186	17,105	186
20	53627	8,899	186	8,899	186
21	Generation Studies				
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Transmission Service and Generation Interconnection Study Costs (continued)

Line No.	Description (a)	Costs Incurred During Period (b)	Account Charged (c)	Reimbursements Received During the Period (d)	Account Credited With Reimbursement (e)
1	Transmission Studies				
2	53628	19,259	186	19,259	186
3	53629	13,932	186	13,932	186
4	53630	16,407	186	16,407	186
5	53631	11,711	186	11,711	186
6	53632	10,991	186	10,991	186
7	53633	14,021	186	14,021	186
8	53634	10,746	186	10,746	186
9	53635	20,911	186	20,911	186
10	53636	14,803	186	14,803	186
11	53637	17,871	186	17,871	186
12	53638	14,445	186	14,445	186
13	53639	11,665	186	11,665	186
14	53640	12,911	186	12,911	186
15	53641	12,466	186	12,466	186
16	53642	18,739	186	18,739	186
17	53643	14,272	186	14,272	186
18	53644	14,550	186	14,550	186
19	53645	18,553	186	18,553	186
20	53646	13,510	186	13,510	186
21	Generation Studies				
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Transmission Service and Generation Interconnection Study Costs (continued)

Line No.	Description (a)	Costs Incurred During Period (b)	Account Charged (c)	Reimbursements Received During the Period (d)	Account Credited With Reimbursement (e)
1	Transmission Studies				
2	53647	12,805	186	12,805	186
3	53648	16,325	186	16,325	186
4	53649	19,724	186	19,724	186
5	53650	15,408	186	15,408	186
6	53651	10,720	186	10,720	186
7	53652	21,052	186	21,052	186
8	53653	8,492	186	8,492	186
9	53654	14,033	186	14,033	186
10	53655	17,558	186	17,558	186
11	53657	14,439	186	14,439	186
12	53665	3,431	186	3,431	186
13	53666	3,431	186	3,431	186
14	53667	3,431	186	3,431	186
15	53668	3,431	186	3,431	186
16	53669	3,431	186	3,431	186
17	53670	3,431	186	3,431	186
18	53671	3,600	186	3,600	186
19	53672	3,515	186	3,515	186
20	53673	3,515	186	3,515	186
21	Generation Studies				
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Transmission Service and Generation Interconnection Study Costs (continued)

Line No.	Description (a)	Costs Incurred During Period (b)	Account Charged (c)	Reimbursements Received During the Period (d)	Account Credited With Reimbursement (e)
1	Transmission Studies				
2	53674	3,431	186	3,431	186
3	53675	3,600	186	3,600	186
4	53676	3,600	186	3,600	186
5	53677	702	186	702	186
6	53678	3,515	186	3,515	186
7	53679	702	186	702	186
8	53680	2,773	186	2,773	186
9	53681	3,431	186	3,431	186
10	53682	3,431	186	3,431	186
11	53683	3,431	186	3,431	186
12	53684	3,431	186	3,431	186
13	53685	3,515	186	3,515	186
14	53686	3,600	186	3,600	186
15	53687	3,600	186	3,600	186
16	53688	3,431	186	3,431	186
17	53689	3,600	186	3,600	186
18	53690	617	186	617	186
19	53691	3,431	186	3,431	186
20	53692	3,600	186	3,600	186
21	Generation Studies				
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(1) An Original
 (2) A Resubmission

An Original
 A Resubmission

04/17/2020

End of 2019/Q4

Transmission Service and Generation Interconnection Study Costs (continued)

Line No.	Description (a)	Costs Incurred During Period (b)	Account Charged (c)	Reimbursements Received During the Period (d)	Account Credited With Reimbursement (e)
1	Transmission Studies				
2	53693	3,515	186	3,515	186
3	53694	617	186	617	186
4	53695	3,431	186	3,431	186
5	53696	3,600	186	3,600	186
6	53697	3,515	186	3,515	186
7	53698	3,515	186	3,515	186
8	53699	3,431	186	3,431	186
9	60109	(143)	186	(143)	186
10	50070A	12,974	186	12,974	186
11	50212-C	759	186	759	186
12	50235-C	966	186	966	186
13	50307-C	8,759	186	8,759	186
14	50361-C	1,518	186	1,518	186
15	60126-C		186		186
16	60192-C	8,755	186	8,755	186
17	70008-01	19,753	186	19,753	186
18	70008-02	19,753	186	19,753	186
19	70008-03	19,753	186	19,753	186
20	70008-04	19,753	186	19,753	186
21	Generation Studies				
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23					
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Transmission Service and Generation Interconnection Study Costs (continued)

Line No.	Description (a)	Costs Incurred During Period (b)	Account Charged (c)	Reimbursements Received During the Period (d)	Account Credited With Reimbursement (e)
1	Transmission Studies				
2	70008-05	19,753	186	19,753	186
3	70008-06	12,869	186	12,869	186
4	70008-07	12,869	186	12,869	186
5	70008-08	19,753	186	19,753	186
6	70008-09	19,753	186	19,753	186
7	70008-10	19,753	186	19,753	186
8	70009-01	7,426	186	7,426	186
9	70009-02	7,427	186	7,427	186
10	70009-03	7,427	186	7,427	186
11	70009-04	5,897	186	5,897	186
12	70009-05	5,897	186	5,897	186
13	70009-06	7,427	186	7,427	186
14	70009-07	7,427	186	7,427	186
15	70009-08	7,427	186	7,427	186
16	70009-09	7,427	186	7,427	186
17	70009-10	7,427	186	7,427	186
18	70009-11	7,427	186	7,427	186
19	70009-12	7,427	186	7,427	186
20	70009-13	7,427	186	7,427	186
21	Generation Studies				
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Transmission Service and Generation Interconnection Study Costs (continued)

Line No.	Description (a)	Costs Incurred During Period (b)	Account Charged (c)	Reimbursements Received During the Period (d)	Account Credited With Reimbursement (e)
1	Transmission Studies				
2	70009-14	7,427	186	7,427	186
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
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19					
20					
21	Generation Studies				
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Transmission Service and Generation Interconnection Study Costs (continued)

Line No.	Description (a)	Costs Incurred During Period (b)	Account Charged (c)	Reimbursements Received During the Period (d)	Account Credited With Reimbursement (e)
1	Transmission Studies				
2					
3					
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15					
16					
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19					
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21	Generation Studies				
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Name of Respondent

California Independent System Operator Corporation

This Report Is:

(1) An Original

(2) A Resubmission

Date of Report

(Mo, Da, Yr)

04/17/2020

Year/Period of Report

End of 2019/Q4

Transmission Service and Generation Interconnection Study Costs (continued)

Line No.	Description (a)	Costs Incurred During Period (b)	Account Charged (c)	Reimbursements Received During the Period (d)	Account Credited With Reimbursement (e)
1	Transmission Studies				
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3					
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21	Generation Studies				
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Transmission Service and Generation Interconnection Study Costs (continued)

Line No.	Description (a)	Costs Incurred During Period (b)	Account Charged (c)	Reimbursements Received During the Period (d)	Account Credited With Reimbursement (e)
1	Transmission Studies				
2					
3					
4					
5					
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21	Generation Studies				
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Name of Respondent

California Independent System Operator Corporation

This Report Is:

(1) An Original

(2) A Resubmission

Date of Report

(Mo, Da, Yr)

04/17/2020

Year/Period of Report

End of 2019/Q4

Transmission Service and Generation Interconnection Study Costs (continued)

Line No.	Description (a)	Costs Incurred During Period (b)	Account Charged (c)	Reimbursements Received During the Period (d)	Account Credited With Reimbursement (e)
1	Transmission Studies				
2					
3					
4					
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7					
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11					
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14					
15					
16					
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21	Generation Studies				
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MISCELLANEOUS DEFFERED DEBITS (Account 186)

1. Report below the particulars (details) called for concerning miscellaneous deferred debits.
2. For any deferred debit being amortized, show period of amortization in column (a)
3. Minor item (1% of the Balance at End of Year for Account 186 or amounts less than \$100,000, whichever is less) may be grouped by classes.

Line No.	Description of Miscellaneous Deferred Debits (a)	Balance at Beginning of Year (b)	Debits (c)	CREDITS		Balance at End of Year (f)
				Account Charged (d)	Amount (e)	
1	Unbilled GIP Receivables	7,523,336	21,761,005		21,920,838	7,363,503
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
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45						
46						
47	Misc. Work in Progress					
48	Deferred Regulatory Comm. Expenses (See pages 350 - 351)					
49	TOTAL	7,523,336				7,363,503

LONG-TERM DEBT (Account 221, 222, 223 and 224)

1. Report by balance sheet account the particulars (details) concerning long-term debt included in Accounts 221, Bonds, 222, Reacquired Bonds, 223, Advances from Associated Companies, and 224, Other long-Term Debt.
2. In column (a), for new issues, give Commission authorization numbers and dates.
3. For bonds assumed by the respondent, include in column (a) the name of the issuing company as well as a description of the bonds.
4. For advances from Associated Companies, report separately advances on notes and advances on open accounts. Designate demand notes as such. Include in column (a) names of associated companies from which advances were received.
5. For receivers, certificates, show in column (a) the name of the court -and date of court order under which such certificates were issued.
6. In column (b) show the principal amount of bonds or other long-term debt originally issued.
7. In column (c) show the expense, premium or discount with respect to the amount of bonds or other long-term debt originally issued.
8. For column (c) the total expenses should be listed first for each issuance, then the amount of premium (in parentheses) or discount. Indicate the premium or discount with a notation, such as (P) or (D). The expenses, premium or discount should not be netted.
9. Furnish in a footnote particulars (details) regarding the treatment of unamortized debt expense, premium or discount associated with issues redeemed during the year. Also, give in a footnote the date of the Commission's authorization of treatment other than as specified by the Uniform System of Accounts.

Line No.	Class and Series of Obligation, Coupon Rate (For new issue, give commission Authorization numbers and dates) (a)	Principal Amount Of Debt issued (b)	Total expense, Premium or Discount (c)
1	CIEDB Fixed Rate Revenue Bonds, 2013 Series	191,820,000	10,558,588
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
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31			
32			
33	TOTAL	191,820,000	10,558,588

LONG-TERM DEBT (Account 221, 222, 223 and 224) (Continued)

10. Identify separate undisposed amounts applicable to issues which were redeemed in prior years.
11. Explain any debits and credits other than debited to Account 428, Amortization and Expense, or credited to Account 429, Premium on Debt - Credit.
12. In a footnote, give explanatory (details) for Accounts 223 and 224 of net changes during the year. With respect to long-term advances, show for each company: (a) principal advanced during year, (b) interest added to principal amount, and (c) principle repaid during year. Give Commission authorization numbers and dates.
13. If the respondent has pledged any of its long-term debt securities give particulars (details) in a footnote including name of pledgee and purpose of the pledge.
14. If the respondent has any long-term debt securities which have been nominally issued and are nominally outstanding at end of year, describe such securities in a footnote.
15. If interest expense was incurred during the year on any obligations retired or reacquired before end of year, include such interest expense in column (i). Explain in a footnote any difference between the total of column (i) and the total of Account 427, interest on Long-Term Debt and Account 430, Interest on Debt to Associated Companies.
16. Give particulars (details) concerning any long-term debt authorized by a regulatory commission but not yet issued.

Nominal Date of Issue (d)	Date of Maturity (e)	AMORTIZATION PERIOD		Outstanding (Total amount outstanding without reduction for amounts held by respondent) (h)	Interest for Year Amount (i)	Line No.
		Date From (f)	Date To (g)			
11-14-13	02-01-39	11-14-13	02-01-39	168,545,000	8,373,621	1
						2
						3
						4
						5
						6
						7
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						32
				168,545,000	8,373,621	33

TAXES ACCRUED, PREPAID AND CHARGED DURING YEAR

1. Give particulars (details) of the combined prepaid and accrued tax accounts and show the total taxes charged to operations and other accounts during the year. Do not include gasoline and other sales taxes which have been charged to the accounts to which the taxed material was charged. If the actual, or estimated amounts of such taxes are known, show the amounts in a footnote and designate whether estimated or actual amounts.
2. Include on this page, taxes paid during the year and charged direct to final accounts, (not charged to prepaid or accrued taxes.) Enter the amounts in both columns (d) and (e). The balancing of this page is not affected by the inclusion of these taxes.
3. Include in column (d) taxes charged during the year, taxes charged to operations and other accounts through (a) accruals credited to taxes accrued, (b) amounts credited to proportions of prepaid taxes chargeable to current year, and (c) taxes paid and charged direct to operations or accounts other than accrued and prepaid tax accounts.
4. List the aggregate of each kind of tax in such manner that the total tax for each State and subdivision can readily be ascertained.

Line No.	Kind of Tax (See instruction 5) (a)	BALANCE AT BEGINNING OF YEAR		Taxes Charged During Year (d)	Taxes Paid During Year (e)	Adjustments (f)
		Taxes Accrued (Account 236) (b)	Prepaid Taxes (Include in Account 165) (c)			
1	Property Taxes		35,165	35,165		
2	FICA	960,087	5,163,924	5,070,280		
3	Medicare	248,693	1,510,488	1,483,805		
4	California Unemployment Tax	95,751	206,013	184,954		
5	Use Tax		6,051	6,051		
6	Environmental & Other		200,803	200,803		
7						
8						
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41	TOTAL	1,304,531	7,122,444	6,981,058		

TAXES ACCRUED, PREPAID AND CHARGED DURING YEAR (Continued)

5. If any tax (exclude Federal and State income taxes)- covers more then one year, show the required information separately for each tax year, identifying the year in column (a).
6. Enter all adjustments of the accrued and prepaid tax accounts in column (f) and explain each adjustment in a foot- note. Designate debit adjustments by parentheses.
7. Do not include on this page entries with respect to deferred income taxes or taxes collected through payroll deductions or otherwise pending transmittal of such taxes to the taxing authority.
8. Report in columns (i) through (l) how the taxes were distributed. Report in column (l) only the amounts charged to Accounts 408.1 and 409.1 pertaining to electric operations. Report in column (l) the amounts charged to Accounts 408.1 and 109.1 pertaining to other utility departments and amounts charged to Accounts 408.2 and 409.2. Also shown in column (l) the taxes charged to utility plant or other balance sheet accounts.
9. For any tax apportioned to more than one utility department or account, state in a footnote the basis (necessity) of apportioning such tax.

BALANCE AT END OF YEAR		DISTRIBUTION OF TAXES CHARGED				Line No.
(Taxes accrued Account 236) (g)	Prepaid Taxes (Incl. in Account 165) (h)	Electric (Account 408.1, 409.1) (i)	Extraordinary Items (Account 409.3) (j)	Adjustments to Ret. Earnings (Account 439) (k)	Other (l)	
						1
1,053,730						2
275,376						3
116,810						4
						5
						6
						7
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						9
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						12
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1,445,916						41

OTHER DEFERRED CREDITS (Account 253)

1. Report below the particulars (details) called for concerning other deferred credits.
2. For any deferred credit being amortized, show the period of amortization.
3. Minor items (5% of the Balance End of Year for Account 253 or amounts less than \$100,000, whichever is greater) may be grouped by classes.

Line No.	Description and Other Deferred Credits (a)	Balance at Beginning of Year (b)	DEBITS		Credits (e)	Balance at End of Year (f)
			Contra Account (c)	Amount (d)		
1	Fines Subject to Refund	1,805,230	431.0	465,066	85,916	1,426,080
2						
3	Refund Obligation					
4						
5	Unearned Revenue			1,384,168	1,384,168	
6						
7	Advances for Leasehold Improvemens					
8						
9	EIM Implementation Fees			22,491	22,491	
10						
11	Accrued Taxes	146,580		146,580	180,000	180,000
12						
13	HANA Admin Fees			607,499	1,458,749	851,250
14						
15						
16						
17						
18						
19						
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47	TOTAL	1,951,810		2,625,804	3,131,324	2,457,330

Name of Respondent
California Independent System Operator Corporation

This Report Is:
(1) An Original
(2) A Resubmission

Date of Report
(Mo, Da, Yr)
04/17/2020

Year/Period of Report
End of 2019/Q4

ELECTRIC OPERATING REVENUES (Account 400)

- The following instructions generally apply to the annual version of these pages. Do not report quarterly data in columns (c), (e), (f), and (g). Unbilled revenues and MWH related to unbilled revenues need not be reported separately as required in the annual version of these pages.
- Report below operating revenues for each prescribed account, and manufactured gas revenues in total.
- Report number of customers, columns (f) and (g), on the basis of meters, in addition to the number of flat rate accounts; except that where separate meter readings are added for billing purposes, one customer should be counted for each group of meters added. The -average number of customers means the average of twelve figures at the close of each month.
- If increases or decreases from previous period (columns (c),(e), and (g)), are not derived from previously reported figures, explain any inconsistencies in a footnote.
- Disclose amounts of \$250,000 or greater in a footnote for accounts 451, 456, and 457.2.

Line No.	Title of Account (a)	Operating Revenues Year to Date Quarterly/Annual (b)	Operating Revenues Previous year (no Quarterly) (c)
1	Sales of Electricity		
2	(440) Residential Sales		
3	(442) Commercial and Industrial Sales		
4	Small (or Comm.) (See Instr. 4)		
5	Large (or Ind.) (See Instr. 4)		
6	(444) Public Street and Highway Lighting		
7	(445) Other Sales to Public Authorities		
8	(446) Sales to Railroads and Railways		
9	(448) Interdepartmental Sales		
10	TOTAL Sales to Ultimate Consumers		
11	(447) Sales for Resale		
12	TOTAL Sales of Electricity		
13	(Less) (449.1) Provision for Rate Refunds		
14	TOTAL Revenues Net of Prov. for Refunds		
15	Other Operating Revenues		
16	(450) Forfeited Discounts		
17	(451) Miscellaneous Service Revenues		
18	(453) Sales of Water and Water Power		
19	(454) Rent from Electric Property		
20	(455) Interdepartmental Rents		
21	(456) Other Electric Revenues		
22	(456.1) Revenues from Transmission of Electricity of Others		
23	(457.1) Regional Control Service Revenues	192,669,298	199,400,197
24	(457.2) Miscellaneous Revenues	30,016,867	24,487,716
25			
26	TOTAL Other Operating Revenues	222,686,165	223,887,913
27	TOTAL Electric Operating Revenues	222,686,165	223,887,913

ELECTRIC OPERATING REVENUES (Account 400)

6. Commercial and industrial Sales, Account 442, may be classified according to the basis of classification (Small or Commercial, and Large or Industrial) regularly used by the respondent if such basis of classification is not generally greater than 1000 Kw of demand. (See Account 442 of the Uniform System of Accounts. Explain basis of classification in a footnote.)
7. See pages 108-109, Important Changes During Period, for important new territory added and important rate increase or decreases.
8. For Lines 2,4,5,and 6, see Page 304 for amounts relating to unbilled revenue by accounts.
9. Include unmetered sales. Provide details of such Sales in a footnote.

MEGAWATT HOURS SOLD		AVG.NO. CUSTOMERS PER MONTH		Line No.
Year to Date Quarterly/Annual (d)	Amount Previous year (no Quarterly) (e)	Current Year (no Quarterly) (f)	Previous Year (no Quarterly) (g)	
				1
				2
				3
				4
				5
				6
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				14

Line 12, column (b) includes \$ 0 of unbilled revenues.

Line 12, column (d) includes 0 MWH relating to unbilled revenues

REGIONAL TRANSMISSION SERVICE REVENUES (Account 457.1)

1. The respondent shall report below the revenue collected for each service (i.e., control area administration, market administration, etc.) performed pursuant to a Commission approved tariff. All amounts separately billed must be detailed below.

Line No.	Description of Service (a)	Balance at End of Quarter 1 (b)	Balance at End of Quarter 2 (c)	Balance at End of Quarter 3 (d)	Balance at End of Year (e)
1	GMC Forward Scheduling inter-SC Trades e	597,998	1,302,146	2,079,812	2,739,640
2	GMC Bid Transaction Fee	94,503	194,003	304,084	413,613
3	GMC CRR Transaction Fee	143,086	304,379	497,065	937,832
4	GMC Market Services Charge	13,093,351	26,781,474	43,025,606	56,361,044
5	GMC System Operations Charge	28,099,667	57,866,662	94,370,059	123,654,028
6	GMC CRR Services Charge	456,589	1,274,729	2,333,346	3,384,540
7	GMC Transmission Ownership Rights Charge	237,309	523,246	834,447	1,034,604
8	GMC Scheduling Coordinator ID Charge	1,014,000	2,041,000	3,087,000	4,143,998
9					
10					
11					
12					
13					
14					
15					
16					
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42					
43					
44					
45					
46	TOTAL	43,736,503	90,287,639	146,531,419	192,669,299

ELECTRIC OPERATION AND MAINTENANCE EXPENSES

If the amount for previous year is not derived from previously reported figures, explain in footnote.

Line No.	Account (a)	Amount for Current Year (b)	Amount for Previous Year (c)
1	1. POWER PRODUCTION EXPENSES		
2	A. Steam Power Generation		
3	Operation		
4	(500) Operation Supervision and Engineering		
5	(501) Fuel		
6	(502) Steam Expenses		
7	(503) Steam from Other Sources		
8	(Less) (504) Steam Transferred-Cr.		
9	(505) Electric Expenses		
10	(506) Miscellaneous Steam Power Expenses		
11	(507) Rents		
12	(509) Allowances		
13	TOTAL Operation (Enter Total of Lines 4 thru 12)		
14	Maintenance		
15	(510) Maintenance Supervision and Engineering		
16	(511) Maintenance of Structures		
17	(512) Maintenance of Boiler Plant		
18	(513) Maintenance of Electric Plant		
19	(514) Maintenance of Miscellaneous Steam Plant		
20	TOTAL Maintenance (Enter Total of Lines 15 thru 19)		
21	TOTAL Power Production Expenses-Steam Power (Entr Tot lines 13 & 20)		
22	B. Nuclear Power Generation		
23	Operation		
24	(517) Operation Supervision and Engineering		
25	(518) Fuel		
26	(519) Coolants and Water		
27	(520) Steam Expenses		
28	(521) Steam from Other Sources		
29	(Less) (522) Steam Transferred-Cr.		
30	(523) Electric Expenses		
31	(524) Miscellaneous Nuclear Power Expenses		
32	(525) Rents		
33	TOTAL Operation (Enter Total of lines 24 thru 32)		
34	Maintenance		
35	(528) Maintenance Supervision and Engineering		
36	(529) Maintenance of Structures		
37	(530) Maintenance of Reactor Plant Equipment		
38	(531) Maintenance of Electric Plant		
39	(532) Maintenance of Miscellaneous Nuclear Plant		
40	TOTAL Maintenance (Enter Total of lines 35 thru 39)		
41	TOTAL Power Production Expenses-Nuc. Power (Entr tot lines 33 & 40)		
42	C. Hydraulic Power Generation		
43	Operation		
44	(535) Operation Supervision and Engineering		
45	(536) Water for Power		
46	(537) Hydraulic Expenses		
47	(538) Electric Expenses		
48	(539) Miscellaneous Hydraulic Power Generation Expenses		
49	(540) Rents		
50	TOTAL Operation (Enter Total of Lines 44 thru 49)		
51	C. Hydraulic Power Generation (Continued)		
52	Maintenance		
53	(541) Maintenance Supervision and Engineering		
54	(542) Maintenance of Structures		
55	(543) Maintenance of Reservoirs, Dams, and Waterways		
56	(544) Maintenance of Electric Plant		
57	(545) Maintenance of Miscellaneous Hydraulic Plant		
58	TOTAL Maintenance (Enter Total of lines 53 thru 57)		
59	TOTAL Power Production Expenses-Hydraulic Power (tot of lines 50 & 58)		

ELECTRIC OPERATION AND MAINTENANCE EXPENSES (Continued)

If the amount for previous year is not derived from previously reported figures, explain in footnote.

Line No.	Account (a)	Amount for Current Year (b)	Amount for Previous Year (c)
60	D. Other Power Generation		
61	Operation		
62	(546) Operation Supervision and Engineering		
63	(547) Fuel		
64	(548) Generation Expenses		
65	(549) Miscellaneous Other Power Generation Expenses		
66	(550) Rents		
67	TOTAL Operation (Enter Total of lines 62 thru 66)		
68	Maintenance		
69	(551) Maintenance Supervision and Engineering		
70	(552) Maintenance of Structures		
71	(553) Maintenance of Generating and Electric Plant		
72	(554) Maintenance of Miscellaneous Other Power Generation Plant		
73	TOTAL Maintenance (Enter Total of lines 69 thru 72)		
74	TOTAL Power Production Expenses-Other Power (Enter Tot of 67 & 73)		
75	E. Other Power Supply Expenses		
76	(555) Purchased Power		
77	(556) System Control and Load Dispatching		
78	(557) Other Expenses		
79	TOTAL Other Power Supply Exp (Enter Total of lines 76 thru 78)		
80	TOTAL Power Production Expenses (Total of lines 21, 41, 59, 74 & 79)		
81	2. TRANSMISSION EXPENSES		
82	Operation		
83	(560) Operation Supervision and Engineering	5,591,574	5,265,204
84			
85	(561.1) Load Dispatch-Reliability	11,125,238	9,179,202
86	(561.2) Load Dispatch-Monitor and Operate Transmission System	8,238,686	8,256,011
87	(561.3) Load Dispatch-Transmission Service and Scheduling	7,499,203	7,050,830
88	(561.4) Scheduling, System Control and Dispatch Services		
89	(561.5) Reliability, Planning and Standards Development	9,636,483	9,732,525
90	(561.6) Transmission Service Studies		
91	(561.7) Generation Interconnection Studies	3,522,135	3,426,699
92	(561.8) Reliability, Planning and Standards Development Services		
93	(562) Station Expenses		
94	(563) Overhead Lines Expenses		
95	(564) Underground Lines Expenses		
96	(565) Transmission of Electricity by Others		
97	(566) Miscellaneous Transmission Expenses		
98	(567) Rents		
99	TOTAL Operation (Enter Total of lines 83 thru 98)	45,613,319	42,910,471
100	Maintenance		
101	(568) Maintenance Supervision and Engineering	11,106,395	10,902,091
102	(569) Maintenance of Structures		
103	(569.1) Maintenance of Computer Hardware		
104	(569.2) Maintenance of Computer Software		
105	(569.3) Maintenance of Communication Equipment		
106	(569.4) Maintenance of Miscellaneous Regional Transmission Plant		
107	(570) Maintenance of Station Equipment		
108	(571) Maintenance of Overhead Lines		
109	(572) Maintenance of Underground Lines		
110	(573) Maintenance of Miscellaneous Transmission Plant		
111	TOTAL Maintenance (Total of lines 101 thru 110)	11,106,395	10,902,091
112	TOTAL Transmission Expenses (Total of lines 99 and 111)	56,719,714	53,812,562

ELECTRIC OPERATION AND MAINTENANCE EXPENSES (Continued)

If the amount for previous year is not derived from previously reported figures, explain in footnote.

Line No.	Account (a)	Amount for Current Year (b)	Amount for Previous Year (c)
113	3. REGIONAL MARKET EXPENSES		
114	Operation		
115	(575.1) Operation Supervision	10,422,203	10,772,370
116	(575.2) Day-Ahead and Real-Time Market Facilitation	6,129,289	6,519,941
117	(575.3) Transmission Rights Market Facilitation		
118	(575.4) Capacity Market Facilitation		
119	(575.5) Ancillary Services Market Facilitation		220,097
120	(575.6) Market Monitoring and Compliance	7,511,580	7,041,275
121	(575.7) Market Facilitation, Monitoring and Compliance Services		
122	(575.8) Rents		
123	Total Operation (Lines 115 thru 122)	24,063,072	24,553,683
124	Maintenance		
125	(576.1) Maintenance of Structures and Improvements		
126	(576.2) Maintenance of Computer Hardware	1,343,531	1,726,005
127	(576.3) Maintenance of Computer Software	6,239,226	5,180,718
128	(576.4) Maintenance of Communication Equipment	4,104,654	4,408,102
129	(576.5) Maintenance of Miscellaneous Market Operation Plant		
130	Total Maintenance (Lines 125 thru 129)	11,687,411	11,314,825
131	TOTAL Regional Transmission and Market Op Expns (Total 123 and 130)	35,750,483	35,868,508
132	4. DISTRIBUTION EXPENSES		
133	Operation		
134	(580) Operation Supervision and Engineering		
135	(581) Load Dispatching		
136	(582) Station Expenses		
137	(583) Overhead Line Expenses		
138	(584) Underground Line Expenses		
139	(585) Street Lighting and Signal System Expenses		
140	(586) Meter Expenses		
141	(587) Customer Installations Expenses		
142	(588) Miscellaneous Expenses		
143	(589) Rents		
144	TOTAL Operation (Enter Total of lines 134 thru 143)		
145	Maintenance		
146	(590) Maintenance Supervision and Engineering		
147	(591) Maintenance of Structures		
148	(592) Maintenance of Station Equipment		
149	(593) Maintenance of Overhead Lines		
150	(594) Maintenance of Underground Lines		
151	(595) Maintenance of Line Transformers		
152	(596) Maintenance of Street Lighting and Signal Systems		
153	(597) Maintenance of Meters		
154	(598) Maintenance of Miscellaneous Distribution Plant		
155	TOTAL Maintenance (Total of lines 146 thru 154)		
156	TOTAL Distribution Expenses (Total of lines 144 and 155)		
157	5. CUSTOMER ACCOUNTS EXPENSES		
158	Operation		
159	(901) Supervision		
160	(902) Meter Reading Expenses		110,050
161	(903) Customer Records and Collection Expenses	7,810,798	7,832,155
162	(904) Uncollectible Accounts		
163	(905) Miscellaneous Customer Accounts Expenses	82,453	
164	TOTAL Customer Accounts Expenses (Total of lines 159 thru 163)	7,893,251	7,942,205

ELECTRIC OPERATION AND MAINTENANCE EXPENSES (Continued)

If the amount for previous year is not derived from previously reported figures, explain in footnote.

Line No.	Account (a)	Amount for Current Year (b)	Amount for Previous Year (c)
165	6. CUSTOMER SERVICE AND INFORMATIONAL EXPENSES		
166	Operation		
167	(907) Supervision		
168	(908) Customer Assistance Expenses	4,530,803	4,869,355
169	(909) Informational and Instructional Expenses		
170	(910) Miscellaneous Customer Service and Informational Expenses	1,564,243	1,697,608
171	TOTAL Customer Service and Information Expenses (Total 167 thru 170)	6,095,046	6,566,963
172	7. SALES EXPENSES		
173	Operation		
174	(911) Supervision		
175	(912) Demonstrating and Selling Expenses		
176	(913) Advertising Expenses		
177	(916) Miscellaneous Sales Expenses		
178	TOTAL Sales Expenses (Enter Total of lines 174 thru 177)		
179	8. ADMINISTRATIVE AND GENERAL EXPENSES		
180	Operation		
181	(920) Administrative and General Salaries	49,605,756	46,431,819
182	(921) Office Supplies and Expenses	1,374,055	2,369,976
183	(Less) (922) Administrative Expenses Transferred-Credit		
184	(923) Outside Services Employed	12,476,825	11,449,804
185	(924) Property Insurance	1,904,978	1,914,232
186	(925) Injuries and Damages		
187	(926) Employee Pensions and Benefits		
188	(927) Franchise Requirements		
189	(928) Regulatory Commission Expenses	959,976	1,229,615
190	(929) (Less) Duplicate Charges-Cr.		
191	(930.1) General Advertising Expenses	31,346	41,884
192	(930.2) Miscellaneous General Expenses	1,053,661	1,010,840
193	(931) Rents	3,737,562	88,205
194	TOTAL Operation (Enter Total of lines 181 thru 193)	71,144,159	64,536,375
195	Maintenance		
196	(935) Maintenance of General Plant	2,549,461	6,424,638
197	TOTAL Administrative & General Expenses (Total of lines 194 and 196)	73,693,620	70,961,013
198	TOTAL Elec Op and Maint Expns (Total 80,112,131,156,164,171,178,197)	180,152,114	175,151,251

TRANSMISSION OF ELECTRICITY BY ISO/RTOs

1. Report in Column (a) the Transmission Owner receiving revenue for the transmission of electricity by the ISO/RTO.
2. Use a separate line of data for each distinct type of transmission service involving the entities listed in Column (a).
3. In Column (b) enter a Statistical Classification code based on the original contractual terms and conditions of the service as follows: FNO – Firm Network Service for Others, FNS – Firm Network Transmission Service for Self, LFP – Long-Term Firm Point-to-Point Transmission Service, OLF – Other Long-Term Firm Transmission Service, SFP – Short-Term Firm Point-to-Point Transmission Reservation, NF – Non-Firm Transmission Service, OS – Other Transmission Service and AD- Out-of-Period Adjustments. Use this code for any accounting adjustments or “true-ups” for service provided in prior reporting periods. Provide an explanation in a footnote for each adjustment. See General Instruction for definitions of codes.
4. In column (c) identify the FERC Rate Schedule or tariff Number, on separate lines, list all FERC rate schedules or contract designations under which service, as identified in column (b) was provided.
5. In column (d) report the revenue amounts as shown on bills or vouchers.
6. Report in column (e) the total revenues distributed to the entity listed in column (a).

Line No.	Payment Received by (Transmission Owner Name) (a)	Statistical Classification (b)	FERC Rate Schedule or Tariff Number (c)	Total Revenue by Rate Schedule or Tariff (d)	Total Revenue (e)
1	San Diego Gas & Electric Co.	FNO	384 HV Wheeling	(14,948,694)	
2	San Diego Gas & Electric Co.	FNO	374 HV Access	(528,915,839)	
3					(543,864,533)
4	Southern California Edison Co.	FNO	374 HV Access	(901,145,690)	
5	Southern California Edison Co.	FNO	385 LV Wheeling	(123,516)	
6	Southern California Edison Co.	FNO	384 HV Wheeling	(73,674,241)	
7					(974,943,447)
8	Pacific Gas & Electric Com	FNO	384 HV Wheeling	(160,046,766)	
9	Pacific Gas & Electric Com	FNO	374 HV Access	(690,757,416)	
10	Pacific Gas & Electric Com	FNO	385 LV Wheeling	(63,221,932)	
11					(914,026,114)
12	City of Azusa - PTO	FNO	374 HV Access	(1,151,018)	
13	City of Azusa - PTO	FNO	384 HV Wheeling	(226)	
14					(1,151,244)
15	City of Banning - PTO	FNO	374 HV Access	(819,451)	
16	City of Banning - PTO	FNO	384 HV Wheeling	(2,620)	
17					(822,071)
18	City of Anaheim - PTO	FNO	374 HV Access	(27,712,347)	
19	City of Anaheim - PTO	FNO	384 HV Wheeling	(35,739)	
20					(27,748,086)
21	City of Vernon - PTO	FNO	374 HV Access	(1,780,356)	
22	City of Vernon - PTO	FNO	384 HV Wheeling	(588,360)	
23					(2,368,716)
24	City of Riverside - PTO	FNO	384 HV Wheeling	(40,288)	
25	City of Riverside - PTO	FNO	374 HV Access	(35,527,694)	
26					(35,567,982)
27	City of Pasadena - PTO	FNO	384 HV Wheeling	(36,281)	
28	City of Pasadena - PTO	FNO	374 HV Access	(15,544,629)	
29					(15,580,910)
30	DATC Path 15, LLC	FNO	374 HV Access	(24,598,317)	
31					(24,598,317)
32	STARTRANS IO, LLC	FNO	374 HV Access	(3,200,051)	
33	STARTRANS IO, LLC	FNO	384 HV Wheeling	(732)	
34					(3,200,783)
35	Trans Bay Cable, LLC	FNO	374 HV Access	(119,815,924)	
36					(119,815,924)
37	Citizens Sunrise Transmission LLC	FNO	374 HV Access	(13,538,781)	
38					(13,538,781)
39	Valley Electric Association, Inc.-PTO	FNO	384 HV Wheeling	(54,897)	
40	TOTAL			(2,715,743,002)	(2,715,743,002)

TRANSMISSION OF ELECTRICITY BY ISO/RTOs

1. Report in Column (a) the Transmission Owner receiving revenue for the transmission of electricity by the ISO/RTO.
2. Use a separate line of data for each distinct type of transmission service involving the entities listed in Column (a).
3. In Column (b) enter a Statistical Classification code based on the original contractual terms and conditions of the service as follows: FNO – Firm Network Service for Others, FNS – Firm Network Transmission Service for Self, LFP – Long-Term Firm Point-to-Point Transmission Service, OLF – Other Long-Term Firm Transmission Service, SFP – Short-Term Firm Point-to-Point Transmission Reservation, NF – Non-Firm Transmission Service, OS – Other Transmission Service and AD- Out-of-Period Adjustments. Use this code for any accounting adjustments or “true-ups” for service provided in prior reporting periods. Provide an explanation in a footnote for each adjustment. See General Instruction for definitions of codes.
4. In column (c) identify the FERC Rate Schedule or tariff Number, on separate lines, list all FERC rate schedules or contract designations under which service, as identified in column (b) was provided.
5. In column (d) report the revenue amounts as shown on bills or vouchers.
6. Report in column (e) the total revenues distributed to the entity listed in column (a).

Line No.	Payment Received by (Transmission Owner Name) (a)	Statistical Classification (b)	FERC Rate Schedule or Tariff Number (c)	Total Revenue by Rate Schedule or Tariff (d)	Total Revenue (e)
1					(54,897)
2	City of Colton-TO18	FNO	374 HV Access	(1,136,759)	
3	City of Colton-TO18	FNO	384 HV Wheeling	(3,871)	
4					(1,140,630)
5	GridLiance West LLC -TO19	FNO	384 HV Wheeling	(1,157,154)	
6	GridLiance West LLC -TO19	FNO	374 HV Access	(34,450,347)	
7					(35,607,501)
8	Mid American Central California TranscoC	FNO	374 HV Access	(862,001)	
9					(862,001)
10	Citizens Sycamore-Penasquitos TransmissC	FNO	374 HV Access	(851,065)	
11					(851,065)
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40	TOTAL			(2,715,743,002)	(2,715,743,002)

MISCELLANEOUS GENERAL EXPENSES (Account 930.2) (ELECTRIC)

Line No.	Description (a)	Amount (b)
1	Industry Association Dues	
2	Nuclear Power Research Expenses	
3	Other Experimental and General Research Expenses	
4	Pub & Dist Info to Stkhldrs...expn servicing outstanding Securities	
5	Oth Expn >=5,000 show purpose, recipient, amount. Group if < \$5,000	
6	Bank Service Fee	243,057
7	Board of Directors Fees and Expense	810,604
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46	TOTAL	1,053,661

DEPRECIATION AND AMORTIZATION OF ELECTRIC PLANT (Account 403, 404, 405)
(Except amortization of acquisition adjustments)

1. Report in section A for the year the amounts for : (b) Depreciation Expense (Account 403); (c) Depreciation Expense for Asset Retirement Costs (Account 403.1); (d) Amortization of Limited-Term Electric Plant (Account 404); and (e) Amortization of Other Electric Plant (Account 405).

2. Report in Section 8 the rates used to compute amortization charges for electric plant (Accounts 404 and 405). State the basis used to compute charges and whether any changes have been made in the basis or rates used from the preceding report year.

3. Report all available information called for in Section C every fifth year beginning with report year 1971, reporting annually only changes to columns (c) through (g) from the complete report of the preceding year.

Unless composite depreciation accounting for total depreciable plant is followed, list numerically in column (a) each plant subaccount, account or functional classification, as appropriate, to which a rate is applied. Identify at the bottom of Section C the type of plant included in any sub-account used.

In column (b) report all depreciable plant balances to which rates are applied showing subtotals by functional Classifications and showing composite total. Indicate at the bottom of section C the manner in which column balances are obtained. If average balances, state the method of averaging used.

For columns (c), (d), and (e) report available information for each plant subaccount, account or functional classification Listed in column (a). If plant mortality studies are prepared to assist in estimating average service Lives, show in column (f) the type mortality curve selected as most appropriate for the account and in column (g), if available, the weighted average remaining life of surviving plant. If composite depreciation accounting is used, report available information called for in columns (b) through (g) on this basis.

4. If provisions for depreciation were made during the year in addition to depreciation provided by application of reported rates, state at the bottom of section C the amounts and nature of the provisions and the plant items to which related.

A. Summary of Depreciation and Amortization Charges

Line No.	Functional Classification (a)	Depreciation Expense (Account 403) (b)	Depreciation Expense for Asset Retirement Costs (Account 403.1) (c)	Amortization of Limited Term Electric Plant (Account 404) (d)	Amortization of Other Electric Plant (Acc 405) (e)	Total (f)
1	Intangible Plant					
2	Steam Production Plant					
3	Nuclear Production Plant					
4	Hydraulic Production Plant-Conventional					
5	Hydraulic Production Plant-Pumped Storage					
6	Other Production Plant					
7	Transmission Plant					
8	Distribution Plant					
9	Regional Transmission and Market Operation	26,605,343				26,605,343
10	General Plant					
11	Common Plant-Electric					
12	TOTAL	26,605,343				26,605,343

B. Basis for Amortization Charges

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DEPRECIATION AND AMORTIZATION OF ELECTRIC PLANT (Continued)

C. Factors Used in Estimating Depreciation Charges

Line No.	Account No. (a)	Depreciable Plant Base (In Thousands) (b)	Estimated Avg. Service Life (c)	Net Salvage (Percent) (d)	Applied Depr. rates (Percent) (e)	Mortality Curve Type (f)	Average Remaining Life (g)
12	Intangible Plant:						
13	#303						
14							
15							
16	General Plant:						
17	#390						
18	#391						
19	#397						
20	#399						
21							
22	Regional Transmission:						
23	#380	10,561,100	1.00				
24	#381	99,613,369	23.55		4.25		13.25
25	#382	3,275,945	3.30		30.29		1.64
26	#383	43,400,490	5.04		19.86		2.89
27	#384	3,304,606	6.48		15.44		3.50
28	#385	3,800,948	7.30		13.70		3.33
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REGULATORY COMMISSION EXPENSES

1. Report particulars (details) of regulatory commission expenses incurred during the current year (or incurred in previous years, if being amortized) relating to format cases before a regulatory body, or cases in which such a body was a party.
2. Report in columns (b) and (c), only the current year's expenses that are not deferred and the current year's amortization of amounts deferred in previous years.

Line No.	Description (Furnish name of regulatory commission or body the docket or case number and a description of the case) (a)	Assessed by Regulatory Commission (b)	Expenses of Utility (c)	Total Expense for Current Year (b) + (c) (d)	Deferred in Account 182.3 at Beginning of Year (e)
1	FERC Hearings		959,976	959,976	
2					
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43					
44					
45					
46	TOTAL		959,976	959,976	

REGULATORY COMMISSION EXPENSES (Continued)

- 3. Show in column (k) any expenses incurred in prior years which are being amortized. List in column (a) the period of amortization.
- 4. List in column (f), (g), and (h) expenses incurred during year which were charged currently to income, plant, or other accounts.
- 5. Minor items (less than \$25,000) may be grouped.

EXPENSES INCURRED DURING YEAR			AMORTIZED DURING YEAR				
CURRENTLY CHARGED TO			Deferred to Account 182.3 (i)	Contra Account (j)	Amount (k)	Deferred in Account 182.3 End of Year (l)	Line No.
Department (f)	Account No. (g)	Amount (h)					
GenCounsel	928.0	959,976					1
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		959,976					46

DISTRIBUTION OF SALARIES AND WAGES (Continued)

Line No.	Classification (a)	Direct Payroll Distribution (b)	Allocation of Payroll charged for Clearing Accounts (c)	Total (d)
48	Distribution			
49	Administrative and General			
50	TOTAL Maint. (Enter Total of lines 43 thru 49)			
51	Total Operation and Maintenance			
52	Production-Manufactured Gas (Enter Total of lines 31 and 43)			
53	Production-Natural Gas (Including Expl. and Dev.) (Total lines 32,			
54	Other Gas Supply (Enter Total of lines 33 and 45)			
55	Storage, LNG Terminating and Processing (Total of lines 31 thru 47)			
56	Transmission (Lines 35 and 47)			
57	Distribution (Lines 36 and 48)			
58	Customer Accounts (Line 37)			
59	Customer Service and Informational (Line 38)			
60	Sales (Line 39)			
61	Administrative and General (Lines 40 and 49)			
62	TOTAL Operation and Maint. (Total of lines 52 thru 61)			
63	Other Utility Departments			
64	Operation and Maintenance			
65	TOTAL All Utility Dept. (Total of lines 28, 62, and 64)	128,726,317		128,726,317
66	Utility Plant			
67	Construction (By Utility Departments)			
68	Electric Plant			
69	Gas Plant			
70	Other (provide details in footnote):			
71	TOTAL Construction (Total of lines 68 thru 70)			
72	Plant Removal (By Utility Departments)			
73	Electric Plant			
74	Gas Plant			
75	Other (provide details in footnote):			
76	TOTAL Plant Removal (Total of lines 73 thru 75)			
77	Other Accounts (Specify, provide details in footnote):			
78				
79				
80				
81				
82				
83				
84				
85				
86				
87				
88				
89				
90				
91				
92				
93				
94				
95	TOTAL Other Accounts			
96	TOTAL SALARIES AND WAGES	128,726,317		128,726,317

MONTHLY ISO/RTO TRANSMISSION SYSTEM PEAK LOAD

(1) Report the monthly peak load on the respondent's transmission system. If the Respondent has two or more power systems which are not physically integrated, furnish the required information for each non-integrated system.
 (2) Report on Column (b) by month the transmission system's peak load.
 (3) Report on Column (c) and (d) the specified information for each monthly transmission - system peak load reported on Column (b).
 (4) Report on Columns (e) through (i) by month the system's transmission usage by classification. Amounts reported as Through and Out Service in Column (g) are to be excluded from those amounts reported in Columns (e) and (f).
 (5) Amounts reported in Column (j) for Total Usage is the sum of Columns (h) and (i).

NAME OF SYSTEM: EDRP (for Imports, Exports, Wheels), ALFS_MRTU (for total G)

Line No.	Month (a)	Monthly Peak MW - Total (b)	Day of Monthly Peak (c)	Hour of Monthly Peak (d)	Imports into ISO/RTO (e)	Exports from ISO/RTO (f)	Through and Out Service (g)	Network Service Usage (h)	Point-to-Point Service Usage (i)	Total Usage (j)
1	January	29,225	14	1900	-6,184,615	216,174	830,200			-5,138,241
2	February	29,078	21	1900	-4,385,775	280,731	709,620			-3,395,424
3	March	27,653	6	1900	-4,473,522	45,566	657,187			-3,770,769
4	Total for Quarter 1				-15,043,912	542,471	2,197,007			-12,304,434
5	April	30,423	24	2000	-4,873,424	34,719	709,924			-4,128,781
6	May	28,118	2	2100	-5,194,293	42,444	673,021			-4,478,828
7	June	39,579	11	1800	-6,256,962	55,836	897,031			-5,304,095
8	Total for Quarter 2				-16,324,679	132,999	2,279,976			-13,911,704
9	July	43,003	24	1800	-5,951,137	82,875	883,079			-4,985,183
10	August	42,015	15	1800	-6,157,584	67,451	858,053			-5,232,080
11	September	41,869	3	1800	-6,988,438	101,515	809,511			-6,077,412
12	Total for Quarter 3				-19,097,159	251,841	2,550,643			-16,294,675
13	October	32,804	24	1800	-4,752,129	89,175	580,417			-4,082,537
14	November	28,697	18	1800	-5,166,524	58,948	585,466			-4,522,110
15	December	29,600	17	1900	-5,965,284	165,451	765,443			-5,034,390
16	Total for Quarter 4				-15,883,937	313,574	1,931,326			-13,639,037
17	Total Year to Date/Year				-66,349,687	1,240,885	8,958,952			-56,149,850

MONTHLY PEAKS AND OUTPUT

1. Report the monthly peak load and energy output. If the respondent has two or more power which are not physically integrated, furnish the required information for each non- integrated system.
2. Report in column (b) by month the system's output in Megawatt hours for each month.
3. Report in column (c) by month the non-requirements sales for resale. Include in the monthly amounts any energy losses associated with the sales.
4. Report in column (d) by month the system's monthly maximum megawatt load (60 minute integration) associated with the system.
5. Report in column (e) and (f) the specified information for each monthly peak load reported in column (d).

NAME OF SYSTEM: EDRP (for Imports, Exports, Wheels), ALFS_MRTU (for total G

Line No.	Month (a)	Total Monthly Energy (b)	Monthly Non-Requirements Sales for Resale & Associated Losses (c)	MONTHLY PEAK		
				Megawatts (See Instr. 4) (d)	Day of Month (e)	Hour (f)
29	January	17,234,240		29,225	14	1900
30	February	15,779,445		29,078	21	1900
31	March	16,597,041		27,653	6	1900
32	April	16,393,900		30,423	24	2000
33	May	16,879,367		28,118	2	2100
34	June	18,491,053		39,579	11	1800
35	July	21,522,482		43,003	24	1800
36	August	22,091,106		42,015	15	1800
37	September	20,235,493		41,869	3	1800
38	October	17,487,057		32,804	24	1800
39	November	16,262,991		28,697	18	1800
40	December	17,503,502		29,600	17	1900
41	TOTAL	216,477,677				

Name of Respondent	This Report is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) 04/17/2020	Year/Period of Report 2019/Q4
California Independent System Operator Corporation			
FOOTNOTE DATA			

Schedule Page: 110 Line No.: 35 Column: c

	2019	2018
1310011 Concentration Account	\$ -	\$ -
1310013 Disbursements Account	(260,229)	(890,060)
1310014 Payroll Account	(105,827)	(165,891)
1310025 Concentration-Wells Fargo	270,135	446,024
1310134 API Controlled Disbursement	-	-
1310023 LGIP Transmission Studies Deposit	213,752	966,584
Cash Equivalents - Investments	5,965,981	38,705,709
Total Cash/Cash Equivalents - Unrestricted	<u>\$ 6,083,812</u>	<u>\$ 39,062,366</u>
1280021 2009 Bonds Construction Fund	\$ -	\$ -
1280183 Retiree Medical Plan Trust Acc	160	221
1240017 Investments- LGIP	24,206,214	4,888,399
1280173 Investments-Forefeited LGIP/SGIP	9,061,867	8,122,496
1280172 Trustee Cash (Market)	327,042,301	272,827,939
Total Cash/ Cash Equivalents - Restricted	<u>\$ 360,310,542</u>	<u>\$ 285,839,055</u>
Total Cash/Cash Equivalents Reported on Cash Flow	\$ 366,394,354	\$ 324,901,421

Name of Respondent	This Report is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) 04/17/2020	Year/Period of Report 2019/Q4
California Independent System Operator Corporation			
FOOTNOTE DATA			

Schedule Page: 120 Line No.: 20 Column: b

	2019	2018
Fines Subject to Refund	\$ 1,426,080	\$ 1,805,230
Advances for Leasehold Improvements	-	-
Unearned Revenue	-	-
EIM Fees	-	-
HANA Admin Fees	851,250.00	-
Accrued Taxes	180,000	146,580
	2,457,330	1,951,810

Cash Flow Statement Presentation of Net Change:

Net Change	\$ 505,520	\$ (238,109)
Payment of Generator Noncompliance Fines Refund Obligation		
Net Increase in Other Deferred Credits	\$ 505,520	\$ (238,109)

Name of Respondent California Independent System Operator Corporation	This Report is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) 04/17/2020	Year/Period of Report 2019/Q4
FOOTNOTE DATA			

Schedule Page: 231 Line No.: 2 Column: a

The CAISO is completing this schedule to report costs and reimbursements of on-going generator interconnection studies for the indicated period. Because these studies are in progress, and due to timing differences between incurring costs and the receipt of reimbursements, the full amount of costs incurred or reimbursements received on any particular study may not be fully disclosed on this or subsequent schedules.