

L.7

MAR 14 2023



RESOLUTION NO. 023 169

BOARD LETTER APPROVAL

- POWER SYSTEM
- CORP. SVCS.
- LEGAL
- ERA
- WATER SYSTEM
- CFO
- ITS

RELEASE DATE: MAR 27 2023

ANN M. SANTILLI
Chief Financial Officer

BRIAN J. WILBUR
Interim Senior Assistant General Manager
Power System – Engineering, Planning, and
Technical Services

ARAM BENYAMINI
Chief Operating Officer

MARTIN L. ADAMS
General Manager and Chief Engineer

DATE: February 9, 2023

SUBJECT: Energy Cost Adjustment Expenditures for the 12-Month Period
Commencing April 1, 2023

SUMMARY

The attached Resolution approves expenditures for inclusion in the Energy Cost Adjustment (ECA) for the 12-month period commencing April 1, 2023. The ECA is one of the rate components that recover costs of providing electric service to customers. These costs include fuel, non-renewable purchased power, energy efficiency, and the production and acquisition of power from renewable resources.

City Council approval is not required.

RECOMMENDATION

It is recommended that the Board of Water and Power Commissioners (Board) adopt the attached Resolution authorizing fuel, purchased power, demand-side management (DSM), and renewable portfolio standard (RPS) expenditures for the 12-month period commencing April 1, 2023.

FINANCIAL INFORMATION

If the attached Resolution is approved, compared against the current quarter, the median residential customer's electric bill (300 kilowatt-hours (kWh) per month) for the quarter commencing April 1, 2023, will be higher by an average of 0.97 percent, or \$0.30 per month, or \$0.001 per kWh. The variance against the current quarter is mainly due to an increase in the Variable Energy Adjustment (VEA) balancing account and a lower Variable Renewable Portfolio Standard Energy Adjustment (VRPSEA) balancing account.

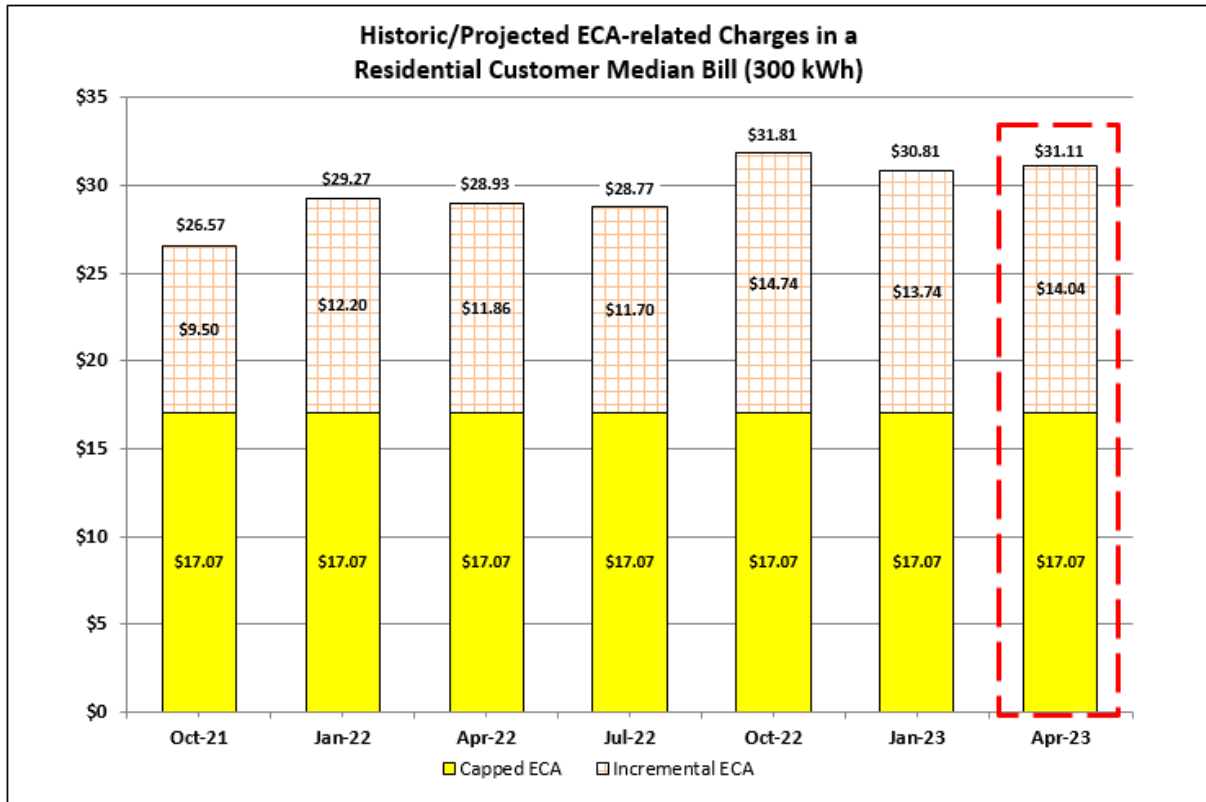
Electric Rate Ordinance No. 168436, as amended (Ordinance), and the Incremental Electric Rate Ordinance No. 184133 state that the Energy Cost Adjustment Factor (ECAF), VEA Factor, Capped Renewable Portfolio Standard Energy Adjustment (CRPSEA) Factor, and the Variable Renewable Portfolio Standard Energy Adjustment (VRPSEA) Factor shall be calculated four times a year, and each such calculated factor shall take effect on January 1, April 1, July 1, and October 1, respectively. The ECAF calculated with the expenditures approved in this Resolution and the associated incremental factors take effect on April 1, 2023. In accordance with the two ordinances, the next quarterly factors update would be effective July 1, 2023.

Composite ECAF (Proposed vs. Prior Quarter)

For the three-month period commencing April 1, 2023, the composite ECAF applied to actual billing of customers will be \$0.10369 per kWh, as shown in the table below, if the Resolution is approved. Calculations of the four factors that make up the composite factor and supporting detail are included in Schedules A, B, C, and D as Attachment B. This increase of \$0.001 per kWh will result in an increase of \$0.30 per month for the median residential customer.

Schd.	Energy Cost Adjustment Factors (\$/kWh)	Proposed Apr - Jun 2023	Prior Quarter Jan - Mar 2023	Variance
A.1	<u>Ordinance No. 168436, as amended</u> Capped Energy Cost Adjustment Factor	\$0.05690	\$0.05690	\$0.00000
A.2	<u>Incremental Ordinance No. 184133</u> Variable Energy Adjustment Factor	\$0.00849	\$0.00658	\$0.00191
A.3	Capped RPS Energy Adjustment Factor	\$0.01065	\$0.01035	\$0.00030
A.4	Variable RPS Energy Adjustment Factor	\$0.02765	\$0.02886	(\$0.00121)
A.4	Composite Energy Cost Adjustment Factor	\$0.10369	\$0.10269	\$0.00100

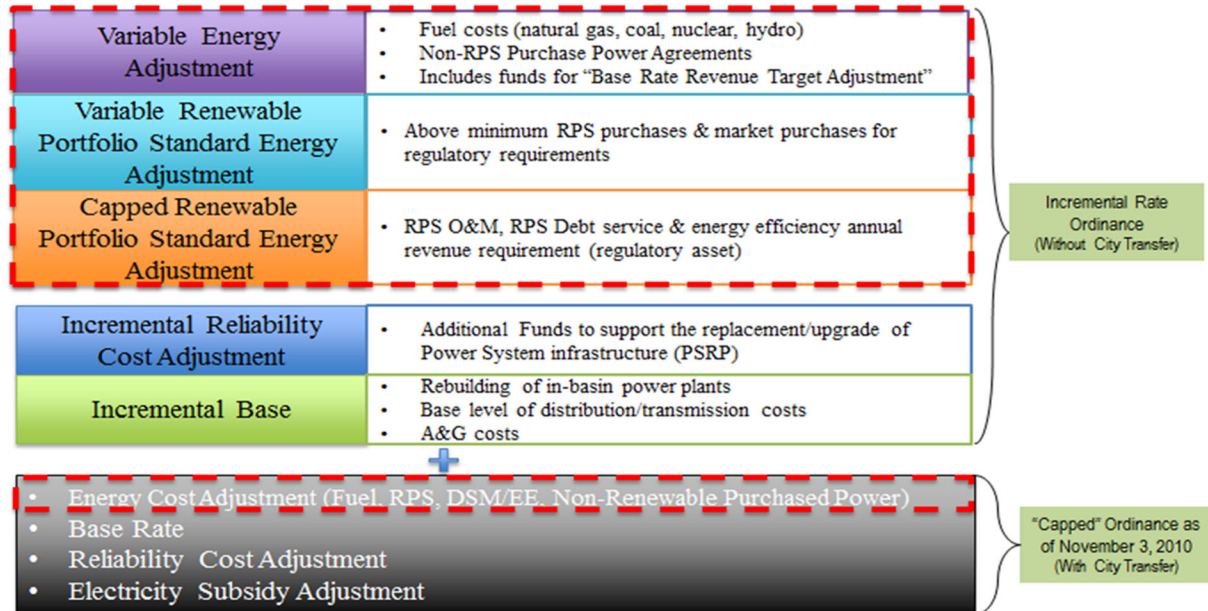
The following chart shows the trend of the historic/projected ECA-related charges in a residential customer median bill (300 kWh).



BACKGROUND

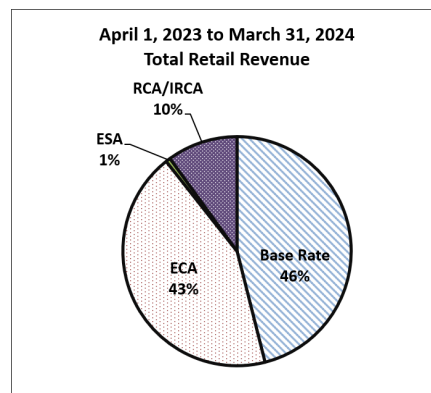
Overview of Electric Rates and ECAF Charges

The current electric rate structure includes a “capped” and incremental rate ordinance.



The expenditures that are proposed to be approved under this Board package will impact the charges shown in the dashed boxes of the figure above, which are collectively referred to as the ECAF charges. Further description of the ECAF-related adjustment factors is provided in Attachment A.

The pass-through adjustments shown in the top dashed box, which include the VEA, CRPSEA, and VRPSEA, along with the “capped” ECA, will provide approximately 43 percent of the total retail revenue for the Power System, as shown in the lower box. The remaining revenue comes from base rates, the fixed Electric Subsidy Adjustment (ESA), the Reliability Cost Adjustment (RCA), and the Incremental RCA (IRCA).



The Ordinance specifies that Board approval of the estimated fuel, purchased power, DSM, and RPS expenditures for the 12-month period commencing April 1, 2023, is required for inclusion of those expenditures in the calculation of the quarterly ECA to be effective April 1, 2023.

ENVIRONMENTAL DETERMINATION

Determine item is exempt pursuant to California Environmental Quality Act (CEQA) Guidelines Section 15060 (c)(3). In accordance with Section 15060 (c)(3) of the CEQA Guidelines, an activity is not subject to CEQA if it does not meet the definition of a project in Section 15378. Section 15378 (b)(4) states that governmental fiscal activities which do not involve any commitment to any specific project which may result in a potentially significant physical impact on the environment do not meet the definition of a project. Therefore, the approval of the listed expenditures for the Energy Cost Adjustment is not an action subject to CEQA.

CITY ATTORNEY

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

ATTACHMENTS

- Resolution
- Attachment A - Description of ECAF-Related Rate Components
- Attachment B - Schedules A, B, C, and D

WHEREAS, Electric Rate Ordinance No. 168436, as amended, provides for the recovery of qualifying expenditures for costs of fuel, purchased power, demand-side management (DSM), and the renewable portfolio standard (RPS) through the application of the Energy Cost Adjustment Factor (ECAAF); and

WHEREAS, Incremental Electric Rate Ordinance No. 184133 further provides for the recovery of qualifying expenditures through the application of the Variable Energy Adjustment Factor (VEAF), Capped Renewable Portfolio Standard Energy Adjustment Factor (CRPSEAF), and Variable Renewable Portfolio Standard Energy Adjustment Factor (VRPSEAF); and

WHEREAS, Electric Rate Ordinance No. 168436, as amended, and Incremental Electric Rate Ordinance No. 184133 state that the ECAAF, VEAF, CRPSEAF, and VRPSEAF shall be calculated four times each year, and each such calculated factor shall take effect on January 1, April 1, July 1, and October 1, respectively; and

WHEREAS, the ECAAF formula in Electric Rate Ordinance No. 168436, as amended, calls for expenditures to be approved in advance by the Board for inclusion in components of the Energy Cost Adjustment (ECA).

NOW, THEREFORE, BE IT RESOLVED that the Board approves Schedules B, C, and D, which are on file with the Secretary of the Board and which describe and identify estimated non-renewable fuel expense totaling \$257 million and non-renewable purchased power expense totaling \$546 million on Schedule B, estimated RPS expense totaling \$963 million on Schedule C, and estimated DSM expense totaling \$125 million on Schedule D for the 12-month period commencing April 1, 2023, through March 31, 2024, for inclusion in components of the ECA.

I HEREBY CERTIFY that the foregoing is a full, true, and correct copy of a resolution adopted by the Board of Water and Power Commissioners of the City of Los Angeles at its meeting held **MAR 14 2023**



Secretary

APPROVED AS TO FORM AND LEGALITY
HYDEE FELDSTEIN SOTO, CITY ATTORNEY

FEB 09 2023

BY 
BRIAN E. STEWART
DEPUTY CITY ATTORNEY

DESCRIPTION OF ECAF-RELATED RATE COMPONENTS

Capped Energy Cost Adjustment Factor (CECAF)

The Electric Rate Ordinance No. 168436, as amended (Ordinance), charges customers the Energy Cost Adjustment (ECA), using the ECA Factor (ECAF), to recover the costs of fuel, purchased power including renewable resources, and demand-side management (DSM) costs, including revenue losses and other variable operational costs.

The Incremental Electric Rate Ordinance No. 184133 designates this ECAF as the CECAF and caps it at \$0.05690 per kilowatt-hour (kWh) for billing purposes.

Incremental Energy Factors

The CECAF, in conjunction with the base rate contribution of \$0.01236 per kWh, is not sufficient to recover all qualifying expenditures, particularly as expenditures for renewable portfolio standard (RPS) projects continue to increase to meet the State of California's mandated renewable energy goal of 60 percent by 2030. To recover qualifying expenditures above the capped billing level of \$0.06926 (\$0.05690 + \$0.01236) per kWh, Ordinance No. 184133 contains the Variable Energy Adjustment (VEA) Factor, Capped Renewable Portfolio Standard Energy Adjustment (CRPSEA) Factor, and Variable Renewable Portfolio Standard Energy Adjustment (VRPSEA) Factor.

These elements are described below:

(1) VEA Factor

This factor allows for recovery of expenditures for non-renewable fuel, non-renewable purchased power, and legal costs, judgments, and settlements, which are beyond the cost recovery ability of the CECAF and contribution from the base rates. Details of such amounts include:

- Non-renewable fuel-related expenses may include prepayment, fuel transportation, storage, emission credits and taxes, emission allowance costs, and any other non-renewable fuel-related expenses.
- Non-renewable purchased power expense includes charges associated with the purchase of non-renewable energy, including capacity, associated transmission service, prepayment expense, and parallel generators.

- This factor allows for the recovery of legal settlements. Board of Water and Power Commissioners (Board) Resolution No. 014-069 directs the Chief Financial Officer of LADWP to recover the sum of \$160 million for the settlement of San Bernardino County Case No. SCVSS100293 over a 10-year period commencing July 1, 2014.
- The Base Rate Revenue Target Adjustment (BRRTA) recovers or credits the base rate revenue that is below or exceeds a preset target established by the Board. This factor facilitates aggressive Energy Efficiency programs by ensuring a set amount of revenue collection for the fiscal year irrespective of the sales volume.

(2) CRPSEA Factor

This factor allows for recovery of expenditures for RPS projects directly owned by LADWP, recovery of debt service and operation and maintenance expenses for RPS projects indirectly owned by LADWP, and recovery of expenditures for DSM measures, which are beyond the cost recovery ability of the CECAF and contribution from the base rates. Details of such amounts include:

- Directly owned RPS projects include depreciation, interest, and operation and maintenance expenses.
- Indirectly owned RPS projects include principal payment, interest expense, and operation and maintenance expense. Other expenses of indirectly owned RPS projects are to be recovered through the VRPSEA Factor.
- DSM measures include both expensed and capitalized expenses of energy efficiency measures.

(3) VRPSEA Factor

This factor allows for recovery of expenditures for RPS projects in which LADWP has no ownership interest and recovery of some expenditures for RPS projects in which LADWP has indirect ownership interest, which are beyond the cost recovery ability of the CECAF and contribution from the base rates. Details of such amounts include:

- RPS projects in which LADWP has no ownership interest include purchased generation and its associated transmission service expense.
- RPS projects in which LADWP has indirect ownership interest include expenses other than principal payment, interest expense, and operation and maintenance expense.

Schedule A

**Energy Cost Adjustment Factors
(Capped and Incremental)
Calculation Summary Sheet
4th Quarter of FY 2022-2023**

ECAF Calculations for the**Capped Energy Cost Adjustment Factor (CECAF)**

Estimated Expenses for the 12-Month Period Commencing April 1, 2023:

(a) Non-Renewable Fuel Expense	\$ 257,241,000
(b) Non-Renewable Purchased Power Expense	545,743,000
(c) Renewable Portfolio Standard Expense (Purchase & Ownership)	963,079,795
(d) Demand Side Management (DSM) O&M Expense	0
DSM Capitalized Debt Service (Includes PY Debt Service)	125,290,054
(e) Energy Efficiency Savings	111,647,930
(f) City Transfer (8%)	160,240,142
Total Estimated Expenses, plus City Transfer	<u>\$ 2,163,241,921</u>
(g) Estimated Balance in the ECA Account as of December 31, 2022	3,779,025,847
Grand Total	<u>\$ 5,942,267,768</u>
(h) Estimated Retail Energy Sales (kWh)	20,724,886,512
(Less: Sales to Other City Departments under Schedules LS-1 and TC)	
Energy Cost Adjustment Factor per kWh to be Sold	\$ 0.28672
(i) Less: Energy Cost Adjustment Factor to be Billed as Base Rate	
(Ordinance No. 168436, as amended, General Provisions G.2.(i))	<u>(0.01250)</u>
Calculated Net Energy Cost Adjustment Factor per kWh to be Sold	<u>\$ 0.27422</u>
(Per Ordinance No. 168436, as Amended)	
Existing ECAF as of March 30, 2023	\$ 0.09790
Quarterly Adjustment Limit	0.00100
Energy Cost Adjustment Factor per kWh (Per Ordinance No. 168436, as Amended)	<u>\$ 0.09890</u>
Capped ECAF per kWh Billed to Customer (Per Ordinance No. 184133)	<u><u>\$ 0.05690</u></u>

Schedule A

**Energy Cost Adjustment Factors
(Capped and Incremental)
Calculation Summary Sheet
4th Quarter of FY 2022-2023**

Incremental Ordinance No. 184133**1. Variable Energy Adjustment Factor (VEAF)**

Estimated Expenses for the 12-Month Period Commencing April 1, 2023:

(a) Non-Renewable Fuel Expense	\$ 257,241,000
(b) Non-Renewable Purchased Power Expense	545,743,000
(c) Legal Settlement (Case No. SCVSS100293)	16,000,000
(d) Energy Efficiency Savings (FY 2011-12 kWh Adjusted for Aging)	13,654,276
(e) City Transfer (8%)	66,611,062
(f) Estimated Balance in the VEA Account as of December 31, 2022	59,368,892
Grand Total	\$ 958,618,230
(g) Estimated Retail Energy Sales (kWh)	20,724,886,512
(Less: Sales to Other City Departments under Schedules LS-1 and TC)	
Variable Energy Adjustment Factor per kWh	\$ 0.04625
(h) Less: Funding by Capped ECAF and Base Rate Contribution Factor	(0.05256)
Subtotal	(0.00631)
(i) Less: City Transfer (8%) from VEAf per kWh	0.00050
Variable Energy Adjustment Factor	\$ (0.00581)
(j) Base Rate Revenue Target Adjustment Factor	
[\$339,325,591 / 20,675,647,857 kWh]	0.01641
Calculated Variable Energy Adjustment Factor per kWh	\$ 0.01060
(k) Less: City Transfer (8%) from Base Rates per kWh	(0.00211)
(l) Variable Energy Adjustment Factor per kWh Billed to Customer	\$ 0.00849

Schedule A

**Energy Cost Adjustment Factors
(Capped and Incremental)
Calculation Summary Sheet
4th Quarter of FY 2022-2023**

2. Capped Renewable Portfolio Standard Energy Adjustment Factor (CRPSEAF)

Estimated Expenses for the 12-Month Period Commencing April 1, 2023:

(a) Depreciation Expense (Directly-Owned RPS)	\$ 77,325,005
Interest Expense (Directly-Owned RPS)	91,043,340
Operating and Maintenance Expense (Directly-Owned RPS)	60,702,450
(b) Renewable PPAs (Fixed Portion of Indirectly-Owned RPS)	83,677,000
(c) Energy Efficiency Capitalized Debt Service	125,290,054
(d) City Transfer (8%)	35,043,028
(e) Estimated Balance in the CRPSEA Account as of December 31, 2022	(30,234,364)
Grand Total	\$ 442,846,513
(f) Estimated Retail Energy Sales (kWh)	20,724,886,512
(Less: Sales to Other City Departments under Schedules LS-1 and TC)	
Capped RPS Energy Adjustment Factor per kWh	\$ 0.02137
(g) Less: Funding by Capped ECAF and Base Rate Contribution Factor	(0.00979)
(h) Calculated Capped RPS Energy Adjustment Factor	\$ 0.01158
(i) Less: City Transfer (8%) from CRPSEAF per kWh	\$ (0.00093)
(j) Capped RPS Energy Adjustment Factor per kWh Billed to Customer	\$ 0.01065

Schedule A

**Energy Cost Adjustment Factors
(Capped and Incremental)
Calculation Summary Sheet
4th Quarter of FY 2022-2023**

3. Variable Renewable Portfolio Standard Energy Adjustment Factor (VRPSEAF)

Estimated Expenses for the 12-Month Period Commencing April 1, 2023:

(a) Renewable PPAs (Variable Portion of Indirectly and Non-Owned RPS)	\$ 650,332,000
(b) City Transfer (8%)	52,026,560
(c) Estimated Balance in the VRPSEA Account as of December 31, 2022	63,609,407
Grand Total	\$ 765,967,967

(d) Estimated Retail Energy Sales (kWh) (Less: Sales to Other City Departments under Schedules LS-1 and TC)	20,724,886,512
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Variable RPS Energy Adjustment Factor per kWh	\$ 0.03696
(e) Less: Funding by Capped ECAF and Base Rate Contribution Factor	(0.00691)
(f) Calculated Variable RPS Energy Adjustment Factor	\$ 0.03005
(g) Less: City Transfer (8%) from VRPSEAF per kWh	(0.00240)
(h) Variable RPS Energy Adjustment Factor per kWh Billed to Customer	\$ 0.02765

Factors Summary	
<i>Capped Energy Cost Adjustment Factor (CECAF)</i>	\$ 0.05690
<i>Variable Energy Adjustment Factor (VEAF)</i>	\$ 0.00849
<i>Capped RPS Energy Adjustment Factor (CRPSEAF)</i>	\$ 0.01065
<i>Variable RPS Energy Adjustment Factor (VRPSEAF)</i>	\$ 0.02765
Total	\$ 0.10369

Schedule B

**RETAIL CUSTOMER
FUEL AND PURCHASED POWER EXPENSE BUDGET
April 2023 - March 2024**

Ordinance No. 168436, As Amended

<u>ENERGY EXPENSES FOR CECAF</u>	<u>Total</u>
<u>Non-Renewable Fuel Expense</u>	<u>Expense</u>
Natural Gas	\$ 182,566,000
Gas MTM (01/14/23)	(20,625,000)
Transportation	54,156,000
Nuclear (PV)	10,308,000
Other Fuel Items	6,661,000
Emissions Expense	24,175,000
Total Non-Renewable Fuel Expense	\$ 256,181,000
Total Non-Renewable Fuel Expense	\$ 257,241,000
 <u>Non-Renewable Purchased Power</u>	
Palo Verde (SCPPA)	\$ 52,085,000
Economy Purchases	7,826,000
Roseburg Capacity Agreement	1,296,000
Intermountain	238,182,000
Apex	131,854,000
Hoover	18,767,000
Cogeneration	927,000
Non-RPS Transmission	94,806,000
Total Non-Renewables Purchased Power	\$ 545,743,000
 <u>Renewable Purchased Power</u>	
Water System Hydros	\$ 10,467,000
RPS Geothermal	177,970,000
RPS Wind	227,853,000
RPS Solar Rooftop	89,713,000
RPS Hydro	2,750,000
RPS Biomass	3,205,000
RPS Solar Central	217,422,000
RPS REC	1,238,000
RPS Transmission	3,391,000
Total Renewable Expense	\$ 734,009,000
TOTAL ENERGY EXPENSES FOR CECAF	\$ 1,536,993,000

Incremental Ordinance No. 184133

<u>ENERGY EXPENSES FOR CRPSEAF</u>	<u>Total</u>
<u>Fixed RPS Purchased Power</u>	<u>Expense</u>
RPS Wind	\$ 80,286,000
RPS Transmission	3,391,000
TOTAL ENERGY EXPENSES FOR CRPSEAF	\$ 83,677,000
(FIXED PORTION OF INDIRECTLY-OWNED RPS)	

Schedule B

**RETAIL CUSTOMER
FUEL AND PURCHASED POWER EXPENSE BUDGET
April 2023 - March 2024**

Incremental Ordinance No. 184133

<u>ENERGY EXPENSES FOR VRPSEAF</u>	<u>Total Expense</u>
<u>Variable RPS Purchased Power</u>	
Water System Hydros	\$ 10,467,000
RPS Geothermal	177,970,000
RPS Wind	147,567,000
RPS Solar Rooftop	89,713,000
RPS Hydro	2,750,000
RPS Biomass	3,205,000
RPS Solar Central	217,422,000
RPS REC	1,238,000
TOTAL ENERGY EXPENSES FOR VRPSEAF (Variable Portion of Indirectly and Non-Owned RPS)	\$ 650,332,000

Incremental Ordinance No. 184133

<u>ENERGY EXPENSES FOR VEAF</u>	<u>Total Expense</u>
<u>Non-Renewable Fuel Expense</u>	
Natural Gas	\$ 182,566,000
Gas MTM (01/14/23)	(20,625,000)
Transportation	54,156,000
Nuclear (PV)	10,308,000
Other Fuel Items	6,661,000
Emissions Expense	24,175,000
Total Non-Renewable Fuel Expense	\$ 257,241,000
<u>Non-Renewable Purchased Power</u>	
Palo Verde (SCPPA)	\$ 52,085,000
Economy Purchases	7,826,000
Roseburg Capacity Agreement	1,296,000
Intermountain	238,182,000
Apex	131,854,000
Hoover	18,767,000
Cogeneration	927,000
Non-RPS Transmission	94,806,000
Total Non-Renewables Purchased Power	\$ 545,743,000
TOTAL ENERGY EXPENSES FOR VEAF	\$ 802,984,000

Schedule C

RENEWABLE PORTFOLIO STANDARD SCHEDULE
April 2023 - March 2024

Projects	Type	kWh	Total Costs
Purchased Power Projects			
ARP Loyalton	Biomass	26,709,000	\$ 3,205,000
LADWP Water System	Hydro	273,251,000	10,467,000
MWD Sepulveda	Hydro	24,750,000	2,265,000
North Hollywood	Hydro	5,304,000	485,000
Don Campbell 1	Geothermal	112,120,000	11,100,000
Don Campbell 2	Geothermal	136,858,000	11,120,000
Heber 1	Geothermal	299,880,000	26,727,000
Ormesa	Geothermal	210,750,000	16,280,000
Northern Nevada	Geothermal	1,493,280,000	112,743,000
Feed-in-Tariff	Solar	548,298,000	89,713,000
Springbok 1	Solar	292,891,000	20,092,000
Springbok 2	Solar	405,964,000	23,810,000
Springbok 3	Solar	236,098,000	12,270,000
Beacon	Solar	611,356,000	32,964,000
Eland	Solar	153,073,000	6,065,000
Eland	Solar	174,913,000	6,930,000
Moapa	Solar	619,253,000	54,302,000
Re Cinco	Solar	175,937,000	11,582,000
Copper Mountain	Solar	516,003,000	49,407,000
RPS Transmission	Transmission	0	3,391,000
Pebble Springs	Wind	152,000,000	15,062,000
PPM_Wyoming	Wind	141,238,000	8,898,000
Willow Creek	Wind	144,996,000	18,764,000
Linden	Wind	138,997,000	14,116,000
Milford 1	Wind	404,364,000	27,552,000
Milford 2	Wind	204,290,000	15,876,000
Manzana / REC	Wind	41,232,000	1,238,000
Red Cloud	Wind	1,337,403,000	56,840,000
Windy Point	Wind	654,001,000	70,745,000
Subtotal		9,535,209,000	\$ 734,009,000

Projects	Type	kWh	Total Costs	Interest	Depreciation	O&M
Ownership						
LADWP Power System	Hydro	201,878,000	\$ 46,596,821	\$ 7,836,837	\$ 3,893,409	\$ 34,866,575
Adelanto	Solar	18,931,000	4,217,433	1,303,953	2,673,055	240,425
Pine Tree	Solar	16,514,000	4,734,655	1,696,914	2,832,941	204,800
Utility Built Solar	Solar	64,739,000	6,940,712	2,585,090	4,355,622	0
Beacon Solar	Solar	0	5,647,167	3,456,491	2,190,676	0
Battery Storage (10 Years)	Solar	0	6,469,916	1,131,899	5,338,017	0
Pine Tree Transmission Connect	Transmission	0	1,828,662	1,795,095	33,567	0
Long-Term Transmission Development	Transmission	0	15,490,785	15,490,785	0	0
Barren Ridge Transmission Development	Transmission	0	33,119,920	27,083,516	6,036,404	0
PP1&2 to Olive Transmission	Transmission	0	4,403,626	4,403,626	0	0
Moapa Transmission	Transmission	0	256,155	172,171	83,984	0
Pine Canyon	Wind	0	611,619	611,619	0	0
Pine Tree	Wind	250,311,000	42,826,202	14,046,843	18,709,809	10,069,550
Miscellaneous RPS Expenses	Various	0	48,189,033	8,386,060	24,481,873	15,321,100
Demand Response Program	-	0	7,738,089	1,042,441	6,695,648	0
Subtotal		552,373,000	\$ 229,070,795	\$ 91,043,340	\$ 77,325,005	\$ 60,702,450
Total		10,087,582,000	\$ 963,079,795			

Schedule D

DEMAND-SIDE MANAGEMENT PROGRAMS
April 2023 - March 2024

<u>Capital</u>	<u>Total</u>
F.I. 28182 Energy Conservation-Power Funded	
Y5003 - Lighting & HVAC Upgrades	\$ 7,888,000
Y5014 - Energy Efficiency Programs	123,454,000
Y7718 - Home Energy Improvement Program	18,982,000
Y7720 - Commercial Direct Install Program	3,013,000
Y7721 - LAUSD Energy Efficiency Measures	871,000
DSM Capital Total	<u>\$ 154,208,000</u>
Amortized Debt Service April 2023 - March 2024	\$ 14,805,092
Prior Amortized Debt Service	110,484,962
Amortized Debt Service	<u>\$ 125,290,054</u>
 <u>O&M</u>	 \$0