RESOLUTION NO. 2024-022

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF VERNON AUTHORIZING AND APPROVING THE VERNON PUBLIC UTILITIES DEPARTMENT RESOURCE ADEQUACY PLAN FOR 2025, WHICH INCLUDES THE COINCIDENT PEAK DEMAND FORECAST, THE PLANNING RESERVE MARGIN, THE QUALIFYING CAPACITY CRITERIA, AND THE QUALIFYING CAPACITY FROM SUCH RESOURCES, THE CITY'S RESOURCE ADEQUACY AND SUPPLY DATA AND APPROVING THE RESOURCES USED TO SATISFY THE CALIFORNIA INDEPENDENT SYSTEM OPERATOR'S TARIFF REQUIREMENTS AND REPEALING RESOLUTION NO. 2023-21

SECTION 1. Recitals.

A. The City of Vernon (City) is a chartered municipal corporation of the State of California that owns and operates a system for the generation, purchase, transmission, distribution, and sale of electric capacity and energy.

B. The City has executed a Metered Subsystem Agreement (MSS Agreement) with the California Independent System Operator (CAISO).

C. The City is considered a Load Serving Entity (LSE) under certain terms of the CAISO's Tariff (Tariff).

D. The Tariff requires each LSE to establish and submit to CAISO an annual Resource Adequacy Plan, which includes a coincident peak Demand Forecast, a Planning Reserve Margin, Qualifying Capacity Criteria, and a Supply Plan.

E. The Tariff also requires each LSE to submit monthly Resource Adequacy Plans and Supply Plans.

F. The City has reviewed the historical and expected demand for and supplies of electricity within its distribution system, including the likely peak demand for electricity within the City's distribution system throughout 2025, the available generation and other capacity to serve that demand, and constraints which might impact the availability of capacity to serve the City's projected peak demand.

G. Based upon staff analysis, no load growth adjustment is appropriate for 2025.

H. The City finds that the default 15% Reserve Margin set forth in the Resource Adequacy provisions of the Market Redesign and Technology Upgrade (MRTU) Tariff is sufficient for planning purposes.

I. The City finds that the Projected Load forecast specified in the City of Vernon

Demand Forecast for 2025, Planning Reserve Margin, and the Qualifying Capacity Criteria are sufficient and appropriate to be used in determining the amount of Qualifying Capacity needed to meet the Annual Resource Adequacy and Supply Plan requirement.

J. Staff requests City Council's adoption of the following requirements for the annual and monthly submittals: (a) annual submittals must demonstrate that (i) 90% of the total system Coincident Peak Demand Forecast, plus Planning Reserve Margin and Flexible Resource Adequacy Capacity Requirement has been secured, and (ii) 100% of the total local Resource Adequacy requirement has been secured; and (b) monthly submittals must demonstrate that 100% of the Coincident Peak Demand Forecast plus planning Reserve Margin, Flexible Resource Adequacy Capacity Requirement and local Resource Adequacy requirement has been met.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF VERNON AS FOLLOWS:

SECTION 2. The City Council of the City of Vernon finds and determines that the above recitals are true and correct.

SECTION 3. The City Council of the City of Vernon hereby approves and adopts the Public Utilities Department Resource Adequacy Plan for Calendar Year 2025 (Annual Resource Adequacy Plan), which includes the coincident peak Demand Forecast, the Planning Reserve Margin, the Qualifying Capacity Criteria and the Qualifying Capacity from such resources, the annual Resource Adequacy and Supply data, and the Resource Adequacy resources that will be used to satisfy the City's Local Capacity Requirement for 2025, which is attached hereto as Exhibit A. Furthermore, the City Council of the City of Vernon adopts the requirements for: (a) annual submittals must demonstrate that (i) 90% of the total system Coincident Peak Demand Forecast, plus Planning Reserve Margin and Flexible Resource Adequacy Capacity Requirement has been secured; and (ii) 100% of the total local Resource Adequacy requirement has been secured; and (b) monthly submittals must demonstrate that 100% of the Coincident Peak Demand Forecast plus planning Reserve Margin, Flexible Resource Adequacy Capacity Requirement and local Resource Adequacy requirement has been met.

SECTION 4. All resolutions or parts of resolutions, specifically Resolution No. 2023-21, not consistent with or in conflict with this resolution are hereby repealed.

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SECTION 5. The City Clerk shall certify the passage and adoption of this resolution and enter it into the book of original resolutions.

APPROVED AND ADOPTED October 15, 2024.

_____
JUDITH MERLO, Mayor

ATTEST:

_____
YONNIE PARKER, Deputy City Clerk
(seal)

APPROVED AS TO FORM:

_____
ZAYNAH N. MOUSSA, City Attorney

Exhibit A

City of Vernon

Public Utilities Department's

Resource Adequacy Plan

Calendar Year 2025

Background:

The Resource Adequacy (RA) provisions of the California Independent System Operator's (CAISO) tariff require the Scheduling Coordinator (SC) of a Load Serving Entity (LSE), such as the City of Vernon, to establish and submit the following information upon approval from its Local Regulatory Authority:

(1) Coincident Peak Demand Forecast for its load,
(2) Planning Reserve Margin,
(3) Qualifying Capacity Criteria that will be used for determining qualifying resource types and the Qualifying Capacity from such resources,
(4) an annual/monthly RA and supply data, and
(5) a list of resources used to satisfy the LSE's Local Capacity Requirement and Flexible Resource Adequacy Capacity Requirement.

Staff has prepared the attached "City of Vernon Public Utilities Department's Resource Adequacy Plan for Calendar Year 2025," which is consistent with the CAISO Tariff requirements. The following is a discussion of each of the CAISO Tariff requirements and how the City will meet each requirement.

Coincident Peak Demand Forecast:

Vernon's municipal load resides within the CAISO control area. The CAISO, as the balancing authority, has the responsibility for meeting reliability criteria established by the Western Electricity Coordinating Council (WECC). As such CAISO has entered into agreements with various market participants, Generators, Scheduling Coordinators, Participating Transmission Owners, Utility Distribution Companies, and Metered Subsystems (MSS), which impose certain responsibilities on parties to establish a reliable system. One of those responsibilities is to have operating reserves that meet the WECC minimum requirements.

The CAISO's goal in considering reserve requirements is to balance available capacity with demand across the entire CAISO control area, and therefore, CAISO's primary concern is with the time and amount of peak demand on the CAISO controlled transmission system (the "system peak"). In order to reduce demand during the period of the system peak (and therefore, to lower the peak demand on the transmission system), utilities generally offer retail rate structures designed to encourage load shifting away from the on-peak period. Such efforts are intended to achieve on-peak demand reduction and lower the need to build new generation to meet peak demand. Vernon has adopted a rate structure that has successfully shifted the peak demand period for Vernon's system to a time that is generally earlier than the time of the CAISO system peak.

Vernon's share of the capacity needed to meet CAISO's control area capacity requirements may be established by determining the amount of Vernon's load that contributes to the CAISO system peak. Vernon's load that contributes to the CAISO system peak is the City of Vernon coincident peak Demand. The process to establish Vernon's monthly coincident peak Demand Forecast consists of the following three steps:

1. Establish Monthly Vernon System Peak Demand Forecast for 2024

To establish the City of Vernon's system peak demand forecast, Staff performs an analysis on annual changes in the City's energy demand peaks during a five-year period. Based on the results of the analysis, Staff forecasts a load growth rate for the upcoming calendar year (Exhibit 1). This year's analysis of the City of Vernon's system peak demand demonstrates inconsistent trend year over year between 2020 and 2024. Closer review of Exhibit 1 reveals that more recently, the growth rate from 2022 to 2024 decreased by 3.3%. Based on the current load trend and recent years of inconsistencies, Staff concluded zero load growth adjustment is an appropriate forecast for calendar year 2025. Exhibit 2 shows the determination of the projected system peak demand for 2025 based on no load growth adjustment. The projected system peak demand for the City of Vernon is shown below in Table 1.

Table 1

	Projected Load
2025	**MW**
January	155.70
February	163.41
March	161.52
April	151.60
May	165.23
June	163.57
July	171.83
August	175.53
September	174.33
October	160.86
November	151.13
December	151.41

2. Establish Coincidental Peak Factor

The coincidental peak factor is the percentage of the City of Vernon's energy demand at the time of the CAISO system peak demand. As set forth in Section 40 of the CAISO Tariff, the coincidental peak factor for each month has been calculated and provided to the City annually by the California Energy Commission (CEC). The monthly coincidental peak factor is shown in column C of Exhibit 3.

3. Calculate Monthly Coincident Peak Demand Forecast

The City of Vernon's Coincident Peak Demand forecast is calculated as the mathematical product of the City of Vernon's forecasted System peak demand and the coincidental peak factor. This reflects the City of Vernon's projected demand at the time of the CAISO system peak demand for each month. The monthly Coincident Peak Demand Forecast is calculated and listed in column D of Exhibit 3 for the period of January through December 2025. It is also shown below in Table 2.

Table 2

	Demand Forecast
2025	**MW**
January	120.9
February	116.3
March	123.7
April	116.8
May	139.9
June	134.3
July	134.9
August	137.4
September	131.0
October	127.6
November	122.4
December	121.0

Planning Reserve Margin

The Planning Reserve Margin is the amount of Resource Adequacy Capacity that an LSE must maintain above its coincident peak Demand Forecast. Historically, the City of Vernon has established its Planning Reserve Margin at 15%. Staff recommends that the City Council maintain the Planning Reserve Margin at 15%. The 15% Planning

Reserve Margin is used to establish the monthly Resource Adequacy obligation for the City of Vernon as listed in column E of Exhibit 3.

Qualifying Capacity:

A Load Serving Entity must provide the CAISO with a description of the criteria that will be used to determine the type of resources that can be used to meet its capacity obligation and the amount of capacity (Qualifying Capacity) from such resources. Historically, Vernon has used the following criterion to determine whether a resource qualifies: It qualifies if Vernon has a contractual right to the power or has an interruptible service agreement with a customer. The eight following resources are among those that meet this criterion and provide Qualifying Capacity. The calculation for the amount of Qualifying Capacity for the eight eligible resource types are as follows:

1. *CAISO IST-enabled Product*. Power supply contract/s entered through WSPP Agreement (MRTU Amendment) and defined as any SC-to-SC traded product for which an IST (Inter-SC Trades) can be submitted and for which CAISO will make payment or issue an invoice, including Energy, Tier I IFM Bid Cost Recovery Obligations and Ancillary Service Obligation trades, as each defined in the Tariff.
2. *Palo Verde*. Vernon Purchase Power Contract with SCPPA for 4.9% of SCPPA's share of Palo Verde Nuclear Generating Station (Palo Verde) shall be eligible as Qualifying Capacity. The power is scheduled as an import generally at Westwing Substation through the CAISO's entitlement of transmission from Westwing to SP-15.
3. *Boulder Canyon.* Contract NO 16-DSR-12650 between United States Department of Energy Western Area Power Administration Boulder Canyon Project and City of Vernon, California for Electric Service shall be eligible to count as Qualifying Capacity. The power is scheduled as an import at Mead Substation generally through the CAISO's entitlement of transmission from Mead Substation to SP-15. The amount of Qualifying Capacity will be based on the most current schedule for the available capacity from the Boulder Canyon Project at the time of submittal of the Resource Adequacy Plan.
4. *Vernon Units.* Generating units and system units (excluding Vernon diesel generating units) within Vernon's MSS, including the Malburg Generating Station and the City owned H. Gonzalez units, as reflected in Schedule 14 of Vernon's MSS Agreement with CAISO shall be eligible to count as Qualifying Capacity. The amount of Qualifying Capacity of such units shall not exceed the Net Qualifying Capacity (NQC) as determined and listed annually by the CAISO.

5. *Long Term Power Purchase Contracts.* Long term power supply contracts (5 years or greater) entered through a power purchase agreement shall be eligible to count as Qualifying Capacity. The amount of Qualifying Capacity will be based on the City of Vernon's percentage share of the Net Qualifying Capacity of each contract. For the upcoming year, the following contracts will count as Qualifying Capacity, Antelope DSR 1 Solar Project, Astoria 2 Solar Project, Daggett Solar Project and Puente Hills Landfill Gas-To-Energy Facility.
6. *Other Units.* All other capacity from a Participating Generator, a System Unit, or a System Resource, as defined in the CAISO Tariff, shall be eligible as Qualifying Capacity. System Resources, however, must be located in the CAISO control area or have a firm transmission path from source to the CAISO control area. Such criteria for firm transmission facilities over the CAISO control area can be satisfied with the possession of a firm transmission right from the CAISO on the path associated with the System Resource. Firm transmission rights provide physical priority right to schedule over congested paths.
7. *Interruptible Service Agreements.* Interruptible Service Agreements with the City's Electrical customers. Currently Vernon has an Interruptible Service Agreement where the customer agrees to interrupt up to 27 MW of load within a 30-minute notification. A period of interruption can occur upon notification from the Independent System Operator (ISO) requiring the City to shed load or upon the unscheduled outage of the Malburg Generating Station (MGS) or any other generating unit internal to the City's system.
8. *Battery Energy Storage System (Non-Generator Resources)*. Power Supply contracts for BESS or Non-Generator Resource as defined by the CAISO entered through a power purchase agreement shall be eligible to count as Qualifying Capacity. The amount of Qualifying Capacity shall be based on the Vernon's percentage share of the Net Qualifying Capacity of each contract.

Local Capacity Area Resources:

In accordance with Section 40.3 of the CAISO Tariff, CAISO annually publishes a Local Capacity Technical Study that determines the amount of local capacity needed in the Los Angeles Basin area that must be available to the CAISO. Based on the Local Capacity Technical Study, the CAISO allocates responsibility for Local Capacity Area Resources to the Scheduling Coordinators of the LSEs. The CAISO validates that the Scheduling Coordinator list enough local resources in its Resource Adequacy data templates to satisfy its obligation. Staff has prepared the Resource Adequacy data templates (Exhibit 4) which lists the Resource Adequacy Resources including the Malburg Generating Station, Puente Hills Landfill Gas-To-Energy Facility and the City owned H. Gonzalez units that will be counted on to satisfy the Local Area Capacity requirement for the City of Vernon. Additionally, any Interruptible Service Agreements

with the City's electric customers shall count towards the City's Local Capacity's requirement.

Flexible Resource Adequacy Capacity:

In accordance with Section 40.10 of the CAISO Tariff, CAISO annually conducts a study to determine the Flexible Capacity Need for the CAISO Balancing Authority Area for each month of the next calendar year and provides the results of the study to each Local Regulatory Authority in the CAISO Balancing Authority Area. Flexible resources are resources with the potential to ramp up and down quickly and have the capability to start and shut down multiple times per day. The need for flexible capacity is a result of the CAISO managing a "greener" grid. The increase of variable energy resources and distributed generation has presented significant challenges to grid reliability. These types of resources have continued to increase and has created an increase in supply and load variability and unpredictability within the CAISO system. In order for the CAISO to efficiently operate the grid, it needs measures to ensure that flexible resources are economically bid into the CAISO markets so that they may be optimally dispatched.

The CAISO study calculates the total system amount of Flexible Capacity needed for each of the three Flexible Capacity categories: (1) Base ramping flexibility; (2) Peak ramping flexibility; and (3) Super-peak ramping flexibility. Section 40.10.3 of the CAISO Tariff sets the criteria needed by resources to qualify for each category. For the Calendar Year 2025, the CAISO has determined the system-wide Flexible Capacity needs and has notified each LSE their monthly requirement. Exhibit 7 lists the City's Flexible Capacity requirement by month and category. Furthermore, the CAISO has established the Effective Flexible Capacity for each resource and the category of Flexible Capacity each resource will qualify for the upcoming compliance year. For Calendar Year 2025, the CAISO has established 105 MW of category 1 base ramping flexible resources adequacy capacity for Malburg Generating Station, and 5.75 MW category 1 base ramping flexible resource adequacy capacity for both H. Gonzales Units (Exhibit 8). CAISO Tariff Section 40.10.5.1 requires the Scheduling Coordinators of LSEs to identify the resources it will rely on to satisfy its Flexible Resource Adequacy Capacity on both the annual and monthly Resource Adequacy data templates.

Staff has prepared the Resource Adequacy data templates (Exhibit 4) which, list the Resource Adequacy Resources including, the Malburg Generating Station and the City-owned H. Gonzalez units that will be counted on to satisfy the Flexible Resource Adequacy Capacity requirement for the City of Vernon.

Annual and Monthly Resource Adequacy and Supply data:

The CAISO Tariff requires that the scheduling coordinator of a load serving entity provide an annual and a monthly Resource Adequacy Plan (Section 40.2.2.4) using the required templates and submitted on the set schedules. Furthermore, the scheduling coordinator of a resource providing resource adequacy must submit both an annual and monthly Supply Plan (Section 40.4.7.1) using the required templates and submitted on the set schedules. Staff asks that City Council adopt the following two requirements for both the annual and monthly submittals:

1. *Annual*: submittals must demonstrate that 90% of the forecasted coincident peak demand plus planning reserves margin and flexible resource adequacy requirement has been secured; and 100% of the total local resource adequacy requirement has been secured.
2. *Monthly*: submittals must demonstrate 100% of the forecasted coincident peak Demand plus planning reserves margin, flexible resource adequacy requirement and local resource adequacy requirement has been met. Data on the monthly plans may be adjusted for seasonal variations in the City's load or changes in its contracted/owned resources.

Therefore, as required by the CAISO, the City of Vernon, as a load-serving entity and a scheduling coordinator for resource adequacy resources, must submit a Resource Adequacy and Supply Plan on the set schedules. Staff has prepared the Annual Resource Adequacy (Exhibit 5) and Supply data (Exhibit 6 & 7) for the calendar year 2025. Staff will submit the monthly Resource Adequacy and Supply data to the CAISO as they become due. The data to be submitted on the monthly plans will demonstrate that 100% of all requirements have been met and may be adjusted from the annual Resource Adequacy and Supply Plan for seasonal variations as well as load and resource changes. The monthly plan is due to the CAISO 45 days prior to the beginning of the month.

Exhibit 1

5 year Sytem Peak Demand Analysis			
	Year	Peak	% Inc./Dec.
	(A)	(B)	(C)
1	2020	191.4	
2	2021	194.3	1.520%
3	2022	189.5	-2.481%
4	2023	176.1	-7.051%
5	2024	175.5	-0.341%
6	Average	**185.4**	**-2.1%**

A Year
B Source: (City Historical Sytem Peak Load Data)
C % Increase/Decrease from previous year.

Note: The five year system peak demand average will not be used in this year's RA Plan. It has been determined that no load growth is appropriate for calendar 2025.

Exhibit 2

January - December 2025 Projected Load			
	Month	Forecast based 2023-2024 (Actual City System Load)	2025 Projected System Peak Load
	(A)	(B)	(C)
1	January '24	155.70	155.70
2	February '24	163.41	163.41
3	March '24	161.52	161.52
4	April '24	151.60	151.60
5	May '24	165.23	165.23
6	June '24	163.57	163.57
7	July '24	171.83	171.83
8	August '24	175.53	175.53
9	September '23	174.33	174.33
10	October '23	160.86	160.86
11	November '23	151.13	151.13
12	December '23	151.41	151.41

A Month and Year
B Source: (Forecasted Peak Based on Historical System Peak Load Data)
C Projected Load for 2025 no load growth is applied)

Exhibit 3

January - December 2024 Resource Adequacy Requirement					
	Month	Vernon System Peak Demand	Coincidental Peak Factor	Coincident Peak Demand Forecast	RA Capacity Requirement
	(A)	(B)	(C)	(D)	(E)
1	January	155.7	77.6%	120.9	139.0
2	February	163.4	71.2%	116.3	133.8
3	March	161.5	76.6%	123.7	142.2
4	April	151.6	77.1%	116.8	134.3
5	May	165.2	84.7%	139.9	160.9
6	June	163.6	82.1%	134.3	154.4
7	July	171.8	78.5%	134.9	155.2
8	August	175.5	78.3%	137.4	158.0
9	September	174.3	75.1%	131.0	150.6
10	October	160.9	79.3%	127.6	146.7
11	November	151.1	81.0%	122.4	140.8
12	December	151.4	79.9%	121.0	139.2

A Month
B Source: (Exhibit 2 Column E)
C Source: CEC
D Product of B and C
E Product of D and 115% (115% reflects Planning Reserve Margin)

California ISO
Shaping a Renewed Future

Exhibit 4

Report Type	Annual	(Monthly/ Annual)
Report Date	8/29/2024	(MM/DD/YYYY)
Name of Load Serving Entity (LSE):	City of Vernon	(Text Field)
Scheduling Coordinator (SCID):	LVERN	(AAAA)
Person who prepared this RA Plan (Name):	Efrain Sandoval	(Text Field)
Title:	Principal Resource Scheduler/Trader	(Text Field)
Primary Contact		
Name:	Efrain Sandoval	(Text Field)
Title:	Principal Resource Scheduler/Trader	(Text Field)
Address:	4305 Santa Fe Ave.	(Text Field)
Address 2:		(Optional, Text Field)
City:	Vernon	(Text Field)
State:	CA	(Text Field)
Zip:	90058	(Numeric)
Telephone:	(323) 826-1424	(Numeric)
Email	esandoval@ci.vernon.ca.us	(Text Field)
Back-Up Contact		
Name:	Shawn Sharif	(Text Field)
Title:	Principal Resource Scheduler/Trader	(Text Field)
Telephone:	(323)826-3625	(Numeric)
Email:	ssharif@ci.vernon.ca.us	(Text Field)

Resource ID in CAISO Master File	Local RA Capacity (MW 00.00 No Rounding)	System RA Capacity (MW 00.00 No Rounding)	Flexible RA Capacity (MW 00.00 No Rounding)	Flex Category	RA Capacity Effective Start Date (mm/dd/yyyy)	RA Capacity Effective End Date (mm/dd/yyyy)
VERNON_6_MALBRG	40	99	95	1	1/1/2025	1/31/2025
VERNON_6_MALBRG	40	99	93	1	2/1/2025	2/28/2025
VERNON_6_MALBRG	40	99	77	1	3/1/2025	3/31/2025
VERNON_6_MALBRG	40	99	102	1	4/1/2025	4/30/2025
VERNON_6_MALBRG	40	99	103	1	5/1/2025	5/31/2025
VERNON_6_MALBRG	40	99	100	1	6/1/2025	6/30/2025
VERNON_6_MALBRG	40	99	107	1	7/1/2025	7/31/2025
VERNON_6_MALBRG	40	99	105	1	8/1/2025	8/31/2025
VERNON_6_MALBRG	40	99	112	1	9/1/2025	9/30/2025
VERNON_6_MALBRG	40	99	105	1	10/1/2025	10/31/2025
VERNON_6_MALBRG	40	99	103	1	11/1/2025	11/30/2025
VERNON_6_MALBRG	40	99	127	1	12/1/2025	12/31/2025
VERNON_6_GONZL1		5.75			1/1/2025	1/31/2025
VERNON_6_GONZL1		5.75			2/1/2025	2/28/2025
VERNON_6_GONZL1		5.75			3/1/2025	3/31/2025
VERNON_6_GONZL1		5.75			4/1/2025	4/30/2025
VERNON_6_GONZL1		5.75			5/1/2025	5/31/2025
VERNON_6_GONZL1		5.75			6/1/2025	6/30/2025
VERNON_6_GONZL1		5.75			7/1/2025	7/31/2025
VERNON_6_GONZL1		5.75			8/1/2025	8/31/2025
VERNON_6_GONZL1		5.75			9/1/2025	9/30/2025
VERNON_6_GONZL1		5.75			10/1/2025	10/31/2025
VERNON_6_GONZL1		5.75			11/1/2025	11/30/2025
VERNON_6_GONZL1		5.75			12/1/2025	12/31/2025
VERNON_6_GONZL2		5.75			1/1/2025	1/31/2025
VERNON_6_GONZL2		5.75			2/1/2025	2/28/2025
VERNON_6_GONZL2		5.75			3/1/2025	3/31/2025
VERNON_6_GONZL2		5.75			4/1/2025	4/30/2025
VERNON_6_GONZL2		5.75			5/1/2025	5/31/2025
VERNON_6_GONZL2		5.75			6/1/2025	6/30/2025
VERNON_6_GONZL2		5.75			7/1/2025	7/31/2025
VERNON_6_GONZL2		5.75			8/1/2025	8/31/2025
VERNON_6_GONZL2		5.75			9/1/2025	9/30/2025
VERNON_6_GONZL2		5.75			10/1/2025	10/31/2025
VERNON_6_GONZL2		5.75			11/1/2025	11/30/2025
VERNON_6_GONZL2		5.75			12/1/2025	12/31/2025
VERN_MEAD230_I_UC_IMS001		22			1/1/2025	1/31/2025
VERN_MEAD230_I_UC_IMS001		22			2/1/2025	2/28/2025
VERN_MEAD230_I_UC_IMS001		22			3/1/2025	3/31/2025
VERN_MEAD230_I_UC_IMS001		22			4/1/2025	4/30/2025
VERN_MEAD230_I_UC_IMS001		22			5/1/2025	5/31/2025
VERN_MEAD230_I_UC_IMS001		22			6/1/2025	6/30/2025
VERN_MEAD230_I_UC_IMS001		22			7/1/2025	7/31/2025
VERN_MEAD230_I_UC_IMS001		22			8/1/2025	8/31/2025
VERN_MEAD230_I_UC_IMS001		22			9/1/2025	9/30/2025
VERN_MEAD230_I_UC_IMS001		22			10/1/2025	10/31/2025
VERN_MEAD230_I_UC_IMS001		22			11/1/2025	11/30/2025
VERN_MEAD230_I_UC_IMS001		22			12/1/2025	12/31/2025
VERN_WESTWING500_I_UC_IMS001		11.59			1/1/2025	1/31/2025
VERN_WESTWING500_I_UC_IMS001		11.59			2/1/2025	2/28/2025
VERN_WESTWING500_I_UC_IMS001		11.59			3/1/2025	3/31/2025
VERN_WESTWING500_I_UC_IMS001		11.59			4/1/2025	4/30/2025
VERN_WESTWING500_I_UC_IMS001		11.59			5/1/2025	5/31/2025
VERN_WESTWING500_I_UC_IMS001		11.59			6/1/2025	6/30/2025
VERN_WESTWING500_I_UC_IMS001		11.59			7/1/2025	7/31/2025
VERN_WESTWING500_I_UC_IMS001		11.59			8/1/2025	8/31/2025
VERN_WESTWING500_I_UC_IMS001		11.59			9/1/2025	9/30/2025
VERN_WESTWING500_I_UC_IMS001		11.59			10/1/2025	10/31/2025
VERN_WESTWING500_I_UC_IMS001		11.59			11/1/2025	11/30/2025
VERN_WESTWING500_I_UC_IMS001		11.59			12/1/2025	12/31/2025
CMBLND_2_DS2BT2		30	60	1	1/1/2025	1/31/2025
CMBLND_2_DS2BT2		30	60	1	2/1/2025	2/28/2025
CMBLND_2_DS2BT2		30	60	1	3/1/2025	3/31/2025
CMBLND_2_DS2BT2		30	60	1	4/1/2025	4/30/2025
CMBLND_2_DS2BT2		30	60	1	5/1/2025	5/31/2025
CMBLND_2_DS2BT2		30	60	1	6/1/2025	6/30/2025
CMBLND_2_DS2BT2		30	60	1	7/1/2025	7/31/2025
CMBLND_2_DS2BT2		30	60	1	8/1/2025	8/31/2025
CMBLND_2_DS2BT2		30	60	1	9/1/2025	9/30/2025
CMBLND_2_DS2BT2		30	60	1	10/1/2025	10/31/2025
CMBLND_2_DS2BT2		30	60	1	11/1/2025	11/30/2025
CMBLND_2_DS2BT2		30	60	1	12/1/2025	12/31/2025
CMBLND_2_DS2SR2		0.09			1/1/2025	1/31/2025
CMBLND_2_DS2SR2		0.09			2/1/2025	2/28/2025
CMBLND_2_DS2SR2		0.09			3/1/2025	3/31/2025
CMBLND_2_DS2SR2		0.29			4/1/2025	4/30/2025
CMBLND_2_DS2SR2		1.93			5/1/2025	5/31/2025
CMBLND_2_DS2SR2		25.51			6/1/2025	6/30/2025
CMBLND_2_DS2SR2		29.54			7/1/2025	7/31/2025
CMBLND_2_DS2SR2		12.18			8/1/2025	8/31/2025
CMBLND_2_DS2SR2		23.37			9/1/2025	9/30/2025
CMBLND_2_DS2SR2		0.1			10/1/2025	10/31/2025
CMBLND_2_DS2SR2		0.09			11/1/2025	11/30/2025
CMBLND_2_DS2SR2		0.09			12/1/2025	12/31/2025
WALNUT_6_HILLGEN		4.64			1/1/2025	1/31/2025
WALNUT_6_HILLGEN		4.6			2/1/2025	2/28/2025
WALNUT_6_HILLGEN		4.57			3/1/2025	3/31/2025
WALNUT_6_HILLGEN		2.11			4/1/2025	4/30/2025
WALNUT_6_HILLGEN		4.07			5/1/2025	5/31/2025
WALNUT_6_HILLGEN		4.46			6/1/2025	6/30/2025
WALNUT_6_HILLGEN		4.42			7/1/2025	7/31/2025
WALNUT_6_HILLGEN		4.39			8/1/2025	8/31/2025
WALNUT_6_HILLGEN		4.35			9/1/2025	9/30/2025
WALNUT_6_HILLGEN		4.32			10/1/2025	10/31/2025
WALNUT_6_HILLGEN		4.28			11/1/2025	11/30/2025
WALNUT_6_HILLGEN		4.25			12/1/2025	12/31/2025
ASTORA_2_SOLAR2		0.04			1/1/2025	1/31/2025
ASTORA_2_SOLAR2		0.04			2/1/2025	2/28/2025
ASTORA_2_SOLAR2		0.04			3/1/2025	3/31/2025
ASTORA_2_SOLAR2		0.14			4/1/2025	4/30/2025
ASTORA_2_SOLAR2		0.96			5/1/2025	5/31/2025
ASTORA_2_SOLAR2		12.75			6/1/2025	6/30/2025
ASTORA_2_SOLAR2		20.18			7/1/2025	7/31/2025
ASTORA_2_SOLAR2		6.09			8/1/2025	8/31/2025
ASTORA_2_SOLAR2		11.69			9/1/2025	9/30/2025
ASTORA_2_SOLAR2		0.05			10/1/2025	10/31/2025
ASTORA_2_SOLAR2		0.04			11/1/2025	11/30/2025
ASTORA_2_SOLAR2		0.04			12/1/2025	12/31/2025
BIGSKY_2_SOLAR7		0.05			1/1/2025	1/31/2025
BIGSKY_2_SOLAR7		0.05			2/1/2025	2/28/2025
BIGSKY_2_SOLAR7		0.05			3/1/2025	3/31/2025
BIGSKY_2_SOLAR7		0.12			4/1/2025	4/30/2025
BIGSKY_2_SOLAR7		0.81			5/1/2025	5/31/2025
BIGSKY_2_SOLAR7		10.63			6/1/2025	6/30/2025
BIGSKY_2_SOLAR7		16.82			7/1/2025	7/31/2025
BIGSKY_2_SOLAR7		5.08			8/1/2025	8/31/2025
BIGSKY_2_SOLAR7		9.74			9/1/2025	9/30/2025
BIGSKY_2_SOLAR7		0.05			10/1/2025	10/31/2025
BIGSKY_2_SOLAR7		0.05			11/1/2025	11/30/2025
BIGSKY_2_SOLAR7		0.05			12/1/2025	12/31/2025

Resource ID (if applicable)	RA Capacity (MW 00.00 No Rounding)	RA Capacity Effective Start Date (mm/dd/yyyy)	RA Capacity Effective End Date (mm/dd/yyyy)	Capacity Designation (UC, LD, CM, RM, or DR)

California ISO
Shaping a Renewed Future

Exhibit 5

Report Type	Annual	
Report Date	8/29/2024	
Name of Supplier:	City of Vernon	
Scheduling Coordinator:	VERN	
Person who prepared this RA Plan (Name):	Efrain Sandoval	(Text Field)
Title:	Principal Resource Scheduler/Trader	(Text Field)
Primary Contact		
Name:	Efrain Sandoval	(Text Field)
Title:	Principal Resource Scheduler/Trader	(Text Field)
Address:	4305 Santa Fe Ave.	(Text Field)
Address 2:		(Optional, Text Field)
City:	Vernon	(Text Field)
State:	CA	(Text Field)
Zip:	90058	(Numeric)
Telephone:	(323) 826-1424	(Numeric)
Email	esandoval@ci.vernon.ca.us	(Text Field)
Back-Up Contact		
Name:	Shawn Sharif	(Text Field)
Title:	Principal Resource Scheduler/Trader	(Text Field)
Telephone:		(Numeric)
Email:	ssharif@ci.vernon.ca.us	(Text Field)

Resource ID in CAISO Master File	Local RA Capacity (MW 00.00 No Rounding)	System RA Capacity (MW 00.00 No Rounding)	Flexible RA Capacity (MW 00.00 No Rounding)	Flexible Category 1,2,3	RA Capacity Effective Start Date (mm/dd/yyyy)	RA Capacity Effective End Date (mm/dd/yyyy)	SCID of Load Serving Entity
VERNON_6_MALBRG	40	99	95	1	1/1/2025	1/31/2025	LVERN
VERNON_6_MALBRG	40	99	93	1	2/1/2025	2/28/2025	LVERN
VERNON_6_MALBRG	40	99	77	1	3/1/2025	3/31/2025	LVERN
VERNON_6_MALBRG	40	99	102	1	4/1/2025	4/30/2025	LVERN
VERNON_6_MALBRG	40	99	103	1	5/1/2025	5/31/2025	LVERN
VERNON_6_MALBRG	40	99	100	1	6/1/2025	6/30/2025	LVERN
VERNON_6_MALBRG	40	99	107	1	7/1/2025	7/31/2025	LVERN
VERNON_6_MALBRG	40	99	105	1	8/1/2025	8/31/2025	LVERN
VERNON_6_MALBRG	40	99	112	1	9/1/2025	9/30/2025	LVERN
VERNON_6_MALBRG	40	99	105	1	10/1/2025	10/31/2025	LVERN
VERNON_6_MALBRG	40	99	103	1	11/1/2025	11/30/2025	LVERN
VERNON_6_MALBRG	40	99	127	1	12/1/2025	12/31/2025	LVERN
VERNON_6_GONZL1		5.75			1/1/2025	1/31/2025	LVERN
VERNON_6_GONZL1		5.75			2/1/2025	2/28/2025	LVERN
VERNON_6_GONZL1		5.75			3/1/2025	3/31/2025	LVERN
VERNON_6_GONZL1		5.75			4/1/2025	4/30/2025	LVERN
VERNON_6_GONZL1		5.75			5/1/2025	5/31/2025	LVERN
VERNON_6_GONZL1		5.75			6/1/2025	6/30/2025	LVERN
VERNON_6_GONZL1		5.75			7/1/2025	7/31/2025	LVERN
VERNON_6_GONZL1		5.75			8/1/2025	8/31/2025	LVERN
VERNON_6_GONZL1		5.75			9/1/2025	9/30/2025	LVERN
VERNON_6_GONZL1		5.75			10/1/2025	10/31/2025	LVERN
VERNON_6_GONZL1		5.75			11/1/2025	11/30/2025	LVERN
VERNON_6_GONZL1		5.75			12/1/2025	12/31/2025	LVERN
VERNON_6_GONZL2		5.75			1/1/2025	1/31/2025	LVERN
VERNON_6_GONZL2		5.75			2/1/2025	2/28/2025	LVERN
VERNON_6_GONZL2		5.75			3/1/2025	3/31/2025	LVERN
VERNON_6_GONZL2		5.75			4/1/2025	4/30/2025	LVERN
VERNON_6_GONZL2		5.75			5/1/2025	5/31/2025	LVERN
VERNON_6_GONZL2		5.75			6/1/2025	6/30/2025	LVERN
VERNON_6_GONZL2		5.75			7/1/2025	7/31/2025	LVERN
VERNON_6_GONZL2		5.75			8/1/2025	8/31/2025	LVERN
VERNON_6_GONZL2		5.75			9/1/2025	9/30/2025	LVERN
VERNON_6_GONZL2		5.75			10/1/2025	10/31/2025	LVERN
VERNON_6_GONZL2		5.75			11/1/2025	11/30/2025	LVERN
VERNON_6_GONZL2		5.75			12/1/2025	12/31/2025	LVERN
VERN_MEAD230_I_UC_IMS001		22			1/1/2025	1/31/2025	LVERN
VERN_MEAD230_I_UC_IMS001		22			2/1/2025	2/28/2025	LVERN
VERN_MEAD230_I_UC_IMS001		22			3/1/2025	3/31/2025	LVERN
VERN_MEAD230_I_UC_IMS001		22			4/1/2025	4/30/2025	LVERN
VERN_MEAD230_I_UC_IMS001		22			5/1/2025	5/31/2025	LVERN
VERN_MEAD230_I_UC_IMS001		22			6/1/2025	6/30/2025	LVERN
VERN_MEAD230_I_UC_IMS001		22			7/1/2025	7/31/2025	LVERN
VERN_MEAD230_I_UC_IMS001		22			8/1/2025	8/31/2025	LVERN
VERN_MEAD230_I_UC_IMS001		22			9/1/2025	9/30/2025	LVERN
VERN_MEAD230_I_UC_IMS001		22			10/1/2025	10/31/2025	LVERN
VERN_MEAD230_I_UC_IMS001		22			11/1/2025	11/30/2025	LVERN
VERN_MEAD230_I_UC_IMS001		22			12/1/2025	12/31/2025	LVERN
VERN_WESTWING500_I_UC_IMS001		11.59			1/1/2025	1/31/2025	LVERN
VERN_WESTWING500_I_UC_IMS001		11.59			2/1/2025	2/28/2025	LVERN
VERN_WESTWING500_I_UC_IMS001		11.59			3/1/2025	3/31/2025	LVERN
VERN_WESTWING500_I_UC_IMS001		11.59			4/1/2025	4/30/2025	LVERN
VERN_WESTWING500_I_UC_IMS001		11.59			5/1/2025	5/31/2025	LVERN
VERN_WESTWING500_I_UC_IMS001		11.59			6/1/2025	6/30/2025	LVERN
VERN_WESTWING500_I_UC_IMS001		11.59			7/1/2025	7/31/2025	LVERN
VERN_WESTWING500_I_UC_IMS001		11.59			8/1/2025	8/31/2025	LVERN
VERN_WESTWING500_I_UC_IMS001		11.59			9/1/2025	9/30/2025	LVERN
VERN_WESTWING500_I_UC_IMS001		11.59			10/1/2025	10/31/2025	LVERN
VERN_WESTWING500_I_UC_IMS001		11.59			11/1/2025	11/30/2025	LVERN
VERN_WESTWING500_I_UC_IMS001		11.59			12/1/2025	12/31/2025	LVERN

California ISO
Shaping a Renewed Future

Exhibit 6

Report Type	Annual	
Report Date	8/29/2024	
Name of Supplier:	City of Vernon	
Scheduling Coordinator:	VDGT	
Person who prepared this RA Plan (Name):	Efrain Sandoval	(Text Field)
Title:	Principal Resource Scheduler/Trader	(Text Field)
Primary Contact		
Name:	Efrain Sandoval	(Text Field)
Title:	Principal Resource Scheduler/Trader	(Text Field)
Address:	4305 Santa Fe Ave.	(Text Field)
Address 2:		(Optional, Text Field)
City:	Vernon	(Text Field)
State:	CA	(Text Field)
Zip:	90058	(Numeric)
Telephone:	(323) 826-1424	(Numeric)
Email	esandoval@ci.vernon.ca.us	(Text Field)
Back-Up Contact		
Name:	Shawn Sharif	(Text Field)
Title:	Principal Resource Scheduler/Trader	(Text Field)
Telephone:		(Numeric)
Email:	ssharif@ci.vernon.ca.us	(Text Field)

Resource ID in CAISO Master File	Local RA Capacity (MW 00.00 No Rounding)	System RA Capacity (MW 00.00 No Rounding)	Flexible RA Capacity (MW 00.00 No Rounding)	Flexible Category 1,2,3	RA Capacity Effective Start Date (mm/dd/yyyy)	RA Capacity Effective End Date (mm/dd/yyyy)	SCID of Load Serving Entity
CMBLND_2_DS2BT2		30	60	1	1/1/2025	1/31/2025	LVERN
CMBLND_2_DS2BT2		30	60	1	2/1/2025	2/28/2025	LVERN
CMBLND_2_DS2BT2		30	60	1	3/1/2025	3/31/2025	LVERN
CMBLND_2_DS2BT2		30	60	1	4/1/2025	4/30/2025	LVERN
CMBLND_2_DS2BT2		30	60	1	5/1/2025	5/31/2025	LVERN
CMBLND_2_DS2BT2		30	60	1	6/1/2025	6/30/2025	LVERN
CMBLND_2_DS2BT2		30	60	1	7/1/2025	7/31/2025	LVERN
CMBLND_2_DS2BT2		30	60	1	8/1/2025	8/31/2025	LVERN
CMBLND_2_DS2BT2		30	60	1	9/1/2025	9/30/2025	LVERN
CMBLND_2_DS2BT2		30	60	1	10/1/2025	10/31/2025	LVERN
CMBLND_2_DS2BT2		30	60	1	11/1/2025	11/30/2025	LVERN
CMBLND_2_DS2BT2		30	60	1	12/1/2025	12/31/2025	LVERN
CMBLND_2_DS2SR2		0.09			1/1/2025	1/31/2025	LVERN
CMBLND_2_DS2SR2		0.09			2/1/2025	2/28/2025	LVERN
CMBLND_2_DS2SR2		0.09			3/1/2025	3/31/2025	LVERN
CMBLND_2_DS2SR2		0.29			4/1/2025	4/30/2025	LVERN
CMBLND_2_DS2SR2		1.93			5/1/2025	5/31/2025	LVERN
CMBLND_2_DS2SR2		25.51			6/1/2025	6/30/2025	LVERN
CMBLND_2_DS2SR2		29.54			7/1/2025	7/31/2025	LVERN
CMBLND_2_DS2SR2		12.18			8/1/2025	8/31/2025	LVERN
CMBLND_2_DS2SR2		23.37			9/1/2025	9/30/2025	LVERN
CMBLND_2_DS2SR2		0.1			10/1/2025	10/31/2025	LVERN
CMBLND_2_DS2SR2		0.09			11/1/2025	11/30/2025	LVERN
CMBLND_2_DS2SR2		0.09			12/1/2025	12/31/2025	LVERN

Exhibit 7

January - December 2025 Flexible RA Requirement					
		Min. Base Flexibility Requirement	Peak Flexibility	Super Peak Flexibilty	Total Flexible RA Requirement
	(A)	(B)	(C)	(D)	(E)
1	January	27.08	62.95	4.74	**94.77**
2	February	26.35	61.25	4.61	**92.21**
3	March	21.78	50.62	3.81	**76.21**
4	April	28.94	67.28	5.06	**101.29**
5	May	41.66	55.55	5.12	**102.32**
6	June	40.68	54.25	5.00	**99.94**
7	July	43.28	57.72	5.32	**106.31**
8	August	42.54	56.73	5.23	**104.50**
9	September	45.39	60.53	5.57	**111.50**
10	October	29.73	69.12	5.20	**104.05**
11	November	29.26	68.02	5.12	**102.40**
12	December	36.03	83.76	6.30	**126.10**

A Month
B Requirement for Category 1 - Base Ramping Resources
C Maximum allowed use of Category 2 - Peak Flexibility
D Maximum allowed use of Category 3 - Super Peak Flexibility
E Total Flexible RA Requirement for City of Vernon

Exhibit 8

January - December 2025 Effective Flexible Capacity			
		Effective Flexible Capacity	Flexible Capacity Category
	(A)	(B)	(C)
1	Malburg Generating Station	105	1
2	H. Gonzalez 1	5.75	1
3	H. Gonzalez 2	5.75	1

A Designated flexible resource
B Designated Effective Flexible Capacity (Qualified Flexible Capacity by each Resource)
C Designated Flexible Capacity Category