

Order Instituting Rulemaking to Continue Electric)	
Integrated Resource Planning and Related)	Rulemaking 20-05-003
Procurement Processes.)	(Filed May 7, 2020)
)	
)	

[PUBLIC VERSION]

Brian Goldman
Principal Compliance Analyst
Sonoma Clean Power Authority
431 E St.
Santa Rosa, California 95404
Telephone: 707-856-8628
E-mail: bgoldman@sonomacleanpower.org

**BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA**

Order Instituting Rulemaking to Continue Electric)	
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**SONOMA CLEAN POWER AUTHORITY'S
FEBRUARY 1, 2023 INTEGRATED RESOURCE PLAN PROCUREMENT
COMPLIANCE FILING AND DATA REQUEST RESPONSE**

[PUBLIC VERSION]

In compliance with the requirements of California Public Utilities Commission (Commission) Decision (D.) D.20-12-004 Ordering Paragraph (OP) 1 and D.21-06-035 OP 3, Sonoma Clean Power Authority (SCPA) hereby provides 2023 Integrated Resource Plan (IRP) Procurement Compliance Filing and Data Request Response (IRP Procurement Filing).

**I. INTEGRATED RESOURCE PLAN PROCUREMENT COMPLIANCE FILING
FILING AND DATA REQUEST RESPONSE INCLUDED AS ATTACHMENTS
TO THIS FILING**

SCPA is e-filing this pleading in the instant Rulemaking and serving it to all parties identified in this Rulemaking's service list via a Notice of Availability (NOA), which includes a Uniform Resource Locator (URL) link to this document along with a public version of SCPA's 38 mmt Resource Data Template Version 3 (RDTv3) in Excel format. Attached to this pleading is SCPA's public version of its 2023 IRP Procurement Filing, which includes SCPA's verification, the public version of SCPA's RDTv3, the public, version of SCPA's Backstop Procurement Supporting Documentation, SCPA's Long Lead-Time Resource Extension Request, and SCPA's NOA. Confidential information is redacted in public versions of these documents.

II. CONCLUSION

SCPA thanks the Commission for its time and effort in this Rulemaking and for its review of SCPA's 2022 IRP Procurement Filing.

Dated: February 1, 2023

Respectfully submitted,

/s/ Brian Goldman

Brian Goldman
Principal Compliance Analyst
Sonoma Clean Power Authority
431 E St.
Santa Rosa, California 95404
Telephone: 707-856-8628
E-mail: bgoldman@sonomacleanpower.org

ATTACHMENT A
SONOMA CLEAN POWER
AUTHORITY VERIFICATION

VERIFICATION

I am the Director of Regulatory Affairs of Sonoma Clean Power Authority, and am authorized to make this verification on Sonoma Clean Power Authority's behalf. I declare under penalty of perjury that the statement in the foregoing Sonoma Clean Power Authority February 1, 2023 Integrated Resource Plan Procurement Compliance Filing and Data Request Response to the California Public Utility Commission's January 4, 2023 Integrated Resource Plan Data Request and all attachments thereto are true and accurate of my own knowledge, except as to matters which are therein stated on information or belief, and as to those matters I believe them to be true.

Executed on February 1, 2023 at Santa Rosa, California.



Neal Reardon
Director of Regulatory Affairs
For: Sonoma Clean Power Authority

ATTACHMENT B
SOMA_RDTV3_38MMT_PUBLIC_V1
[PUBLIC VERSION]

lse_unique_contract_id	resource	alternative_resource_name	contract_status	project_interconnection_position
raonly_CALPINE SUTTER IRP_tranche1	SUTTERENERGYCC_TOTAL		Online	
raonly_CALPINE SUTTER IRP_tranche2	SUTTERENERGYCC_TOTAL		Online	
raonly_MUSTANG BESS_all	MSTANG_2_MTGBT1		Online	Q-643W
energy_PROXIMA	PROXIMASOLAR		Development	Q-1244
energy_PROXIMA_EXPANSION	_CREZ_GENERIC_CENTRAL_VALLEY_NORTH_LOS_BANOS_SOLAR		Development	Q-1244
fulltoll_CCPower_Tumbleweed	_NEW_GENERIC_BATTERY_STORAGE		Development	Q-1076,Q-1217
fulltoll_CCPower_Goaline	_NEW_GENERIC_BATTERY_STORAGE		Development	Q-1832
20220531_CCPower_OME_FishLake_Geo_SCPA	_NEW_GENERIC_GEOTHERMAL		Development	geothermal_import_planned
20220531_CCPower_Ormat_Portfolio_SCPA	_NEW_GENERIC_GEOTHERMAL		Development	geothermal_caiso_planned
fulltoll_NORTHBAY_BESS	_NEW_GENERIC_BATTERY_STORAGE		Development	Q-1700

lse_unique_contract_id	interconnection_substation	marginal_addition	marginal_addition_to	total_nameplate_capacity	contracted_nameplate_capacity
raonly_CALPINE SUTTER IRP_tranche1		NA		525	6.8
raonly_CALPINE SUTTER IRP_tranche2		NA		525	0.5
raonly_MUSTANG BESS_all		NA		75	75.0
energy_PROXIMA		NA		50	50.0
energy_PROXIMA_EXPANSION		NA		20	20.0
fulltoll_CCPower_Tumbleweed		NA		75	9.7
fulltoll_CCPower_Goaline		NA		50	8.7
20220531_CCPower_OME_FishLake_Geo_SCPA		NA		13	1.5
20220531_CCPower_Ormat_Portfolio_SCPA		NA		125	14.0
fulltoll_NORTHBAY_BEES	Lakeville (PG&E)	NA		30	30.0

lse_unique_contract_id	sep_contracted_mw_nqc	contract_gwh_annual	is_hybrid_paired	can_charge_from_grid	total_generator_mw
raonly_CALPINE SUTTER IRP_tranche1	6.8	0.0			
raonly_CALPINE SUTTER IRP_tranche2	0.5	0.0			
raonly_MUSTANG BESS_all	75.0	0.0	NotHybrid		
energy_PROXIMA	10.6	138.2	NewSolarNewStorage	NO	50
energy_PROXIMA_EXPANSION	29.2	49.1	NewSolarNewStorage	NO	20
fulltoll_CCPower_Tumbleweed	9.7	0.0	NotHybrid		
fulltoll_CCPower_Goaline	8.7	0.0	NotHybrid		
20220531_CCPower_OME_FishLake_Geo_SCPA	1.4	12.8			
20220531_CCPower_Ormat_Portfolio_SCPA	13.0	120.4			
fulltoll_NORTHBAY_BEES	30.0	0.0	NotHybrid		

lse_unique_contract_id	contracted_generator_mw	total_storage_mw	contracted_storage_mw	solar_technology_sub_type	storage_technology_sub_type
raonly_CALPINE SUTTER IRP_tranche1					
raonly_CALPINE SUTTER IRP_tranche2					
raonly_MUSTANG BESS_all					Li
energy_PROXIMA	50	5	5	1Axis	Li
energy_PROXIMA_EXPANSION	20	27	27	1Axis	Li
fulltoll_CCPower_Tumbleweed					Li
fulltoll_CCPower_Goaline					Li
20220531_CCPower_OME_FishLake_Geo_SCPA					
20220531_CCPower_Ormat_Portfolio_SCPA					
fulltoll_NORTHBAY_BESS					Li

lse_unique_contract_id	total_storage_depth_mwh	contracted_storage_depth_mwh	viability_cod_reasonableness	viability_technical_feasibility	viability_financing_sitecontrol	resource_mix
raonly_CALPINE SUTTER IRP_tranche1						
raonly_CALPINE SUTTER IRP_tranche2						
raonly_MUSTANG BESS_all	300	300				
energy_PROXIMA	20	20				
energy_PROXIMA_EXPANSION	108	108				
fulltoll_CCPower_Tumbleweed	600	77.7				
fulltoll_CCPower_Goaline	400	69.44				
20220531_CCPower_OME_FishLake_Geo_SCPA						
20220531_CCPower_Ormat_Portfolio_SCPA						
fulltoll_NORTHBAY_BESS	120	120				

lse_unique_contract_id	d1911016_vamo_ghgfre	buy_sell_own	counterparty	generator_supplier	developer_name	capacity_area
raonly_CALPINE SUTTER IRP_tranche1		Buy				GreaterFresno
raonly_CALPINE SUTTER IRP_tranche2		Buy				PacGE
raonly_MUSTANG BESS_all		Buy				PacGE
energy_PROXIMA		Buy				SCE
energy_PROXIMA_EXPANSION		Buy				SDGE
fulltoll_CCPower_Tumbleweed		Buy				NEVP
fulltoll_CCPower_Goaline		Buy				
20220531_CCPower_OME_FishLake_Geo_SCPA		Buy				
20220531_CCPower_Ormat_Portfolio_SCPA		Buy				NorthCoastNorthBay
fulltoll_NORTHBAY_BEES		Buy				

lse_unique_contract_id	capacity_sub_area	cpuc_approval_ref	county	COD_year	COD_month	COD_day	contract_start_date_year
raonly_CALPINE SUTTER IRP_tranche1							2021
raonly_CALPINE SUTTER IRP_tranche2							2022
raonly_MUSTANG BESS_all			KingsCounty	2021	10	1	2021
energy_PROXIMA			StanislausCounty	2024	4	1	2024
energy_PROXIMA_EXPANSION			StanislausCounty	2024	4	1	2024
fulltoll_CCPower_Tumbleweed			KernCounty	2026	4	1	2026
fulltoll_CCPower_Goaline			SanDiegoCounty	2025	6	1	2025
20220531_CCPower_OME_FishLake_Geo_SCPA			Nevada	2024	6	1	2024
20220531_CCPower_Ormat_Portfolio_SCPA			NA	2025	6	1	2025
fulltoll_NORTHBAY_BEES			SonomaCounty	2025	6	1	2025

lse_unique_contract_id	contract_start_date_month	contract_start_date_day	contract_end_date_year	contract_end_date_month	contract_end_date_day	contract_execution_date_year	contract_execution_date_month
raonly_CALPINE SUTTER IRP_tranche1	1	1	2023	12	31	2020	2
raonly_CALPINE SUTTER IRP_tranche2	1	1	2023	12	31	2020	2
raonly_MUSTANG BESS_all	10	1	2031	9	30	2020	8
energy_PROXIMA	4	1	2044	3	31	2018	9
energy_PROXIMA_EXPANSION	4	1	2044	3	31	2022	1
fulltoll_CCPower_Tumbleweed	4	1	2041	4	1	2022	1
fulltoll_CCPower_Goaline	6	1	2040	6	1	2022	3
20220531_CCPower_OME_FishLake_Geo_SCPA	6	1	2044	5	31	2022	5
20220531_CCPower_Ormat_Portfolio_SCPA	6	1	2045	5	31	2022	5
fulltoll_NORTHBAY_BEES	6	1	2040	5	31	2022	12

lse_unique_contract_id	contract_execution_date_day	tx_upgrades	tx_upgrade_date_year	tx_upgrade_date_month	tx_upgrade_date_day	tx_upgrade_description	d1911016_tranche
raonly_CALPINE SUTTER IRP_tranche1	28	NA					1
raonly_CALPINE SUTTER IRP_tranche2	28	NA					2
raonly_MUSTANG BESS_all	28	NA					1&2&3
energy_PROXIMA	24	YES	2023	10	27	ation, Tracy Circuit Breaker Re	NA
energy_PROXIMA_EXPANSION	21	YES	2023	10	27	ation, Tracy Circuit Breaker Re	NA
fulltoll_CCPower_Tumbleweed	19	NA					NA
fulltoll_CCPower_Goaline	1	NA					NA
20220531_CCPower_OME_FishLake_Geo_SCPA	31	NO					NA
20220531_CCPower_Ormat_Portfolio_SCPA	31						NA
fulltoll_NORTHBAY_BEES	1	YES	2024	12	31	ition 230kV circuit breaker ove	NA

lse_unique_contract_id	d2106035_procurement_cat	mtr_tranche1_NQC	mtr_tranche2_NQC	mtr_tranche3_NQC	mtr_tranche4_NQC_LDES	mtr_tranche4_NQC_firm_ZE	mtr_NQC_ZE_gen_paired_dr
raonly_CALPINE SUTTER IRP_tranche1 raonly_CALPINE SUTTER IRP_tranche2 raonly_MUSTANG BESS_all energy_PROXIMA energy_PROXIMA_EXPANSION fulltoll_CCPower_Tumbleweed fulltoll_CCPower_Goaline 20220531_CCPower_OME_FishLake_Geo_SCPA 20220531_CCPower_Ormat_Portfolio_SCPA fulltoll_NORTHBAY_BESS							

lse_unique_contract_id	previous_COD_year	previous_COD_month	previous_COD_day	remediation_plan	signed_contract	notice_to_proceed	public_contract	buying_energy_capacity
raonly_CALPINE SUTTER IRP_tranche1					YES	NO	NO	CapacityOnly
raonly_CALPINE SUTTER IRP_tranche2					YES	NO	NO	CapacityOnly
raonly_MUSTANG BESS_all				YES	YES	YES	YES	CapacityOnly
energy_PROXIMA					YES	NO	NO	EnergyCapacity
energy_PROXIMA_EXPANSION					YES		NO	EnergyCapacity
fulltoll_CCPower_Tumbleweed					YES		YES	EnergyCapacity
fulltoll_CCPower_Goaline					YES		YES	EnergyCapacity
20220531_CCPower_OME_FishLake_Geo_SCPA					YES		YES	EnergyCapacity
20220531_CCPower_Ormat_Portfolio_SCPA					YES		YES	EnergyCapacity
fulltoll_NORTHBAY_BEES					YES		NO	EnergyCapacity

lse_unique_contract_id	NQC_reporting_source	procurement_origin	csp_resource_category	csp_annual_2024	csp_annual_2026	csp_annual_2030	csp_annual_2035	macro_supertype
raonly_CALPINE SUTTER IRP_tranche1	In the contract	D1911016	NA					physical
raonly_CALPINE SUTTER IRP_tranche2	In the contract	D1911016	NA					physical
raonly_MUSTANG BESS_all	Calculated	D1911016	Battery Storage (MWh Energy Capacity)	300	300	300	0	physical
energy_PROXIMA	Calculated	RPS	Hybrid_or_Paired_Solar_and_Battery (GWh)	83.23805714	131.8196929	128.7950357	125.0999786	physical
energy_PROXIMA_EXPANSION	Calculated	D2106035	Hybrid_or_Paired_Solar_and_Battery (GWh)	33.29522286	52.72787714	51.51801429	50.03999143	newresolve
fulltoll_CCPower_Tumbleweed	Calculated	D2106035	Battery Storage (MWh Energy Capacity)	0	53.625	71.5	71.5	newgeneric
fulltoll_CCPower_Goaline	Calculated	D2106035	Battery Storage (MWh Energy Capacity)	0	69.44	69.44	69.44	newgeneric
20220531_CCPower_OME_FishLake_Geo_SCPA	Calculated	D2106035	Geothermal (GWh)	7.267762638	12.83298488	12.83298488	12.83298488	newgeneric
20220531_CCPower_Ormat_Portfolio_SCPA	Calculated	D2106035	Geothermal (GWh)	0	37.07046235	120.4476118	120.4476118	newgeneric
fulltoll_NORTHBAY_BEES	Calculated	D2106035	Battery Storage (MWh Energy Capacity)	0	120	120	120	newgeneric

lse_unique_contract_id	notes
raonly_CALPINE SUTTER IRP_tranche1 raonly_CALPINE SUTTER IRP_tranche2 raonly_MUSTANG BESS_all energy_PROXIMA energy_PROXIMA_EXPANSION fulltoll_CCPower_Tumbleweed fulltoll_CCPower_Goaline 20220531_CCPower_OME_FishLake_Geo_SCPA 20220531_CCPower_Ormat_Portfolio_SCPA fulltoll_NORTHBAY_BEES	

ATTACHMENT C

SONOMA CLEAN POWER AUTHORITY'S

LONG LEAD-TIME RESOURCE EXTENSION REQUEST

Sonoma Clean Power Authority's Long Lead-Time Resource Extension Request

Pursuant to Ordering Paragraph 5 of Decision (“D.”) 21-06-035 and the January 4, 2023 Filing Requirements Overview for the February 1, 2023 Integrated Resource Plan (“IRP”) Compliance Filing & Data Request, Sonoma Clean Power Authority (“SCPA”) requests a compliance extension for 5.52 Megawatts (“MW”) (September Net Qualifying Capacity [“NQC”]) of its firm, zero-emitting generation capacity. SCPA executed contracts to meet its compliance obligation, but 5.52 MW (September NQC) of its firm, zero-emitting generation capacity may not reach commercial operation before the June 1, 2026 procurement deadline.

As part of its compliance filing, a load serving entity (“LSE”) may request an extension by February 1, 2023 that extends the compliance deadline until June 1, 2028.¹ An LSE can seek an extension if it shows “a good faith effort to procure these resources.”² To demonstrate the good faith effort to procure Long Lead-Time (“LLT”) resources to meet the June 1, 2026 procurement deadline directed in D.21-06-035, SCPA submits SCPA’s February 1, 2023 IRP Procurement Compliance Filing and Data Response, Attachment D, pages 400-1002, as evidence of the following for the capacity at risk of delayed commercial operation:

1. Evidence of a Solicitation
2. An Executed Contract
3. Site Control Documents³

¹ A request for extension of LLT resource procurement up to June 1, 2028 was authorized in Ordering Paragraph 5 of D.21-06-035.

² D.21-06-035, p. 4.

³ D.21-06-035, p. 38.

D.21-06-035 set SCPA’s individual procurement minimum obligation for 2026 LLT resources at 25 MW (Mid-term Reliability [“MTR”] NQC).⁴ LLT procurement obligations include a requirement for long-duration storage as well as firm, zero-emitting generation resources. As a member of California Community Power (“CC Power”), SCPA participated in the October 25, 2021 firm clean energy resources request for offers, seeking up to 200 MW of firm clean energy resources with deliveries beginning no later than June 1, 2026, pursuant to D.21-06-035.⁵

The portion of capacity that is at risk of delayed commercial operation was contracted as a portfolio of geothermal resources, where multiple projects are expected to contribute to Sonoma Clean Power Authority’s share of contracted capacity. Through regular communication with the counterparty, Sonoma Clean Power Authority has been notified that an estimated 5.52 MW (September NQC) of contracted geothermal capacity is likely to slip past the June 1, 2026 procurement deadline for LLT resources as a result of transmission upgrades. The projected commercial online date for this delayed geothermal capacity is currently 10/01/2027. Sonoma Clean Power Authority seeks extension until June 1, 2028 in case additional unforeseen delays occur, but Sonoma Clean Power Authority currently expects this capacity to reach commercial operation before this date.

The table below illustrates Sonoma Clean Power Authority’s potential LLT resource procurement delay among the requirements for the June 1, 2026 procurement deadline. Milestone documentation for Sonoma Clean Power Authority’s LLT resource obligation is

⁴ D.21-06-035, p. 56.

⁵ See California Community Power 2021 Request for Offers for Firm Clean Energy Resources: https://cacomunitypower.org/wp-content/uploads/2021/10/CCPower-FCR-RFO-Due-12-13-21_digital.pdf.

provided in the February 1, 2023 Integrated Resource Plan Procurement Compliance Filing and Data Request Response.

Table 1: Sonoma Clean Power Authority's Progress Toward the 2026 Long Lead-Time Procurement Obligation

2026 Long Lead-Time Resource Requirements	2026 Procurement Obligation (Sept NQC MW)	Contracted Capacity to Meet June 1, 2026 Deadline (MTR NQC MW)	Capacity at Risk of Delayed Commercial Operation (MTR NQC MW)
Long-Duration Storage	12.5	14.4	N/A
Firm, Zero-Emitting Generation	12.5	8.9	5.52
Total	25	23.3	5.52

At this time, SCPA respectfully requests an extension of 5.52 MW (September NQC) of the LLT resource procurement obligation ordered in D.21-06-035 until June 1, 2028.

ATTACHMENT D
SONOMA CLEAN POWER AUTHORITY'S
BACKSTOP PROCUREMENT SUPPORTING
DOCUMENTATION
[PUBLIC VERSION]

CONFIDENTIAL – REDACTED

ATTACHMENT E
SONOMA CLEAN POWER AUTHORITY'S
NOTICE OF AVAILABILITY

**BEFORE THE PUBLIC UTILITIES COMMISSION
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**SONOMA CLEAN POWER AUTHORITY'S NOTICE OF AVAILABILITY OF ITS
FEBRUARY 1, 2023 INTEGRATED RESOURCE PLAN PROCUREMENT
COMPLIANCE FILING AND DATA REQUEST RESPONSE
[PUBLIC VERSION]**

February 1, 2023

Brian Goldman
Principal Compliance Analyst
Sonoma Clean Power Authority
431 E. St.
Santa Rosa, California 95404
Telephone: 707-856-8628
E-mail: bgoldman@sonomacleanpower.org

**BEFORE THE PUBLIC UTILITIES COMMISSION
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**SONOMA CLEAN POWER AUTHORITY'S NOTICE OF AVAILABILITY OF ITS
FEBRUARY 1, 2023 INTEGRATED RESOURCE PLAN PROCUREMENT
COMPLIANCE FILING AND DATA REQUEST RESPONSE
[PUBLIC VERSION]**

In accordance with the California Public Utility Commission's ("Commission") Rules of Practice and Procedure, Rule 1.9(d), Sonoma Clean Power Authority ("SCPA") hereby provides the following Notice of Availability ("NOA") of the below-listed public versions of its February 1, 2023 Integrated Resource Plan Procurement Compliance Filing and Data Request Response [Public Version] filing, which has been posted and are publicly available on the SCPA's website:

- *SOMA_IRP_Procurement_public* – SCPA's Public version of its Integrated Resource Plan Procurement Compliance Filing and Data Request Response
- *Soma_rdtv3_38mmt_public_v1* SCPA's public Excel version of its Resource Data Template Version 3

This document was posted at the following web address on or before February 1, 2023, and shall remain available at this address for the time period specified by the Rules of Practice and Procedure:

<https://www.sonomacleanpower.org/integrated-resource-plan>

Please direct any questions or requests for copies of the above listed documents in other formats to:

Brian Goldman
Principal Compliance Analyst
707-856-8628
bgoldman@sonomacleanpower.org

Dated: February 1, 2023

Respectfully submitted,

Brian Goldman
Principal Compliance Analyst
Sonoma Clean Power Authority
431 E St.
Santa Rosa, CA 95404
707-856-8628
bgoldman@sonomacleanpower.org