

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

Order Instituting Rulemaking to Continue Electric
Integrated Resource Planning and Related
Procurement Processes.

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) Rulemaking 20-05-003
) (Filed May 7, 2020)
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**SONOMA CLEAN POWER AUTHORITY'S
AUGUST 1, 2023 INTEGRATED RESOURCE PLAN PROCUREMENT COMPLIANCE
FILING AND DATA REQUEST RESPONSE**

[PUBLIC VERSION]

August 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

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Rulemaking 20-05-003
(Filed May 7, 2020)

[PUBLIC VERSION]

In compliance with the requirements of California Public Utilities Commission (Commission) Decision (D.) D.20-12-004 Ordering Paragraph (OP) 1, D.21-06-035 OP 3, and D.23-02-040, Sonoma Clean Power Authority (SCPA) hereby provides August 1, 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 August 1, 2023 IRP Procurement Filing, which includes SCPA's verification, the public version of SCPA's RDTv3, and the public version of SCPA's Backstop

Procurement Supporting Documentation. 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 August 1, 2023 IRP Procurement Filing.

Dated: August 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 August 1, 2023 Integrated Resource Plan Procurement Compliance Filing and 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 August 1, 2023 at Santa Rosa, California.



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

ATTACHMENT B
SOMA_RDTV3_38MMT_PUBLIC_V 1
[PUBLIC VERSION]

lse_unique_contract_id	resource	alternative_resource_name	contract_status	project_interconnection_position	interconnection_substation	marginal_addition	marginal_addition_to
raonly_CALPINE SUTTER IRP_tranche1	SUTTERENERGYCC_TOTAL		Online			NA	
raonly_CALPINE SUTTER IRP_tranche2	SUTTERENERGYCC_TOTAL		Online			NA	
raonly_MUSTANG BESS_all	MSTANG_2_MTGBT1		Online	Q-643W		NA	
energy_PROXIMA	PROXIMASOLAR		Development	Q-1244		NA	
energy_PROXIMA_EXPANSION	_CREZ_GENERIC_CENTRAL_VALLEY_NORTH_LOS_BANOS_SOLAR		Development	Q-1244		NA	
fulltoll_CCPower_Tumbleweed	_NEW_GENERIC_BATTERY_STORAGE		Development	Q-1076,Q-1217		NA	
fulltoll_CCPower_Goaline	_NEW_GENERIC_BATTERY_STORAGE		Development	Q-1832		NA	
20220531_CCPower_OME_FishLake_Geo_SCPA	_NEW_GENERIC_GEOTHERMAL		Development	geothermal_import_planned		NA	
20220531_CCPower_Ormat_Portfolio_SCPA	_NEW_GENERIC_GEOTHERMAL		Development	geothermal_caiso_planned		NA	
fulltoll_NORTHBAY_BESS	_NEW_GENERIC_BATTERY_STORAGE		Development	Q-1700		NA	
energy_TwinPinesSolar	_CREZ_GENERIC_NORTHERN_CALIFORNIA_EX_SOLAR		Development	WDT-3047		NA	
fulltoll_SagebrushII_BESS	_NEW_GENERIC_BATTERY_STORAGE		Development	Q-1325		NA	
energy_Azalea	AZALEASOLAR		Development	Q-1493		NA	
fulltoll_POME_BESS	_NEW_GENERIC_BATTERY_STORAGE		Development	Q-1669		NA	

lse_unique_contract_id	total_nameplate_capacity	contracted_nameplate_capacity	sep_contracted_mw_nqc	contract_gwh_annual	is_hybrid_paired	can_charge_from_grid	total_generator_mw	contracted_generator_mw
raonly_CALPINE SUTTER IRP_tranche1	525	7	7	0				
raonly_CALPINE SUTTER IRP_tranche2	525	1	1	0				
raonly_MUSTANG BESS_all	75	75	75	0	NotHybrid			
energy_PROXIMA	50	50	11	138	NewSolarNewStorage	YES	50	50
energy_PROXIMA_EXPANSION	20	20	29	49	NewSolarNewStorage	YES	20	20
fulltoll_CCPower_Tumbleweed	75	10	10	0	NotHybrid			
fulltoll_CCPower_Goaline	50	9	9	0	NotHybrid			
20220531_CCPower_OME_FishLake_Geo_SCPA	13	2	1	13				
20220531_CCPower_Ormat_Portfolio_SCPA	125	14	13	121				
fulltoll_NORTHBAY_BESS	100	30	30	0	NotHybrid			
energy_TwinPinesSolar	5	5	0	13	NotHybrid			
fulltoll_SagebrushII_BESS	200	59	59	0	NotHybrid			
energy_Azalea	60	60	40	182	NewSolarNewStorage	YES	60	60
fulltoll_POME_BESS	100	100	100	0	NotHybrid			

lse_unique_contract_id	total_storage_mw	contracted_storage_mw	solar_technology_sub_type	storage_technology_sub_type	total_storage_depth_mwh	contracted_storage_depth_mwh	viability_cod_reasonableness	viability_technical_feasibility
raonly_CALPINE SUTTER IRP_tranche1								
raonly_CALPINE SUTTER IRP_tranche2								
raonly_MUSTANG BESS_all				Li	300	300		
energy_PROXIMA	5	5	1Axis	Li	20	20		
energy_PROXIMA_EXPANSION	27	27	1Axis	Li	108	108		
fulltoll_CCPower_Tumbleweed				Li	600	77.7		
fulltoll_CCPower_Goaline				Li	400	69.44		
20220531_CCPower_OME_FishLake_Geo_SCPA								
20220531_CCPower_Ormat_Portfolio_SCPA								
fulltoll_NORTHBAY_BESS				Li	400	120		
energy_TwinPinesSolar								
fulltoll_SagebrushII_BESS				Li	800	236		
energy_Azalea	38	38	1Axis	Li	152	152		
fulltoll_POME_BESS				Li	400	400		

lse_unique_contract_id	viability_financing_sitecontrol	resource_mix	_d1911016_vamo_ghgfree	buy_sell_own	counterparty	generator_supplier	developer_name	capacity_area	capacity_sub_area	cpuc_approval_ref
raonly_CALPINE SUTTER IRP_tranche1				Buy						
raonly_CALPINE SUTTER IRP_tranche2				Buy						
raonly_MUSTANG BESS_all				Buy				GreaterFresno		
energy_PROXIMA				Buy				PacGE		
energy_PROXIMA_EXPANSION				Buy				PacGE		
fulltoll_CCPower_Tumbleweed				Buy				SCE		
fulltoll_CCPower_Goaline				Buy				SDGE		
20220531_CCPower_OME_FishLake_Geo_SCPA				Buy				NEVP		
20220531_CCPower_Ormat_Portfolio_SCPA				Buy						
fulltoll_NORTHBAY_BESS				Buy				NorthCoastNorthBay		
energy_TwinPinesSolar				Buy				NorthCoastNorthBay		
fulltoll_SagebrushII_BESS				Buy				Kern		
energy_Azalea				Buy				Kern		
fulltoll_POME_BESS				Buy				SDGE		

lse_unique_contract_id	county	COD_year	COD_month	COD_day	contract_start_date_year	contract_start_date_month	contract_start_date_day	contract_end_date_year	contract_end_date_month	contract_end_date_day	contract_execution_date_year
raonly_CALPINE SUTTER IRP_tranche1	SutterCounty	2001	7	1	2021	1	1	2023	12	31	2020
raonly_CALPINE SUTTER IRP_tranche2	SutterCounty	2001	7	1	2022	1	1	2023	12	31	2020
raonly_MUSTANG BESS_all	KingsCounty	2021	10	1	2021	10	1	2031	9	30	2020
energy_PROXIMA	StanislausCounty	2024	4	1	2024	4	1	2044	3	31	2018
energy_PROXIMA_EXPANSION	StanislausCounty	2024	4	1	2024	4	1	2044	3	31	2022
fulltoll_CCPower_Tumbleweed	KernCounty	2026	4	1	2026	4	1	2041	4	1	2022
fulltoll_CCPower_Goaline	SanDiegoCounty	2025	6	1	2025	6	1	2040	6	1	2022
20220531_CCPower_OME_FishLake_Geo_SCPA	Nevada	2025	4	10	2025	4	10	2045	4	9	2022
20220531_CCPower_Ormat_Portfolio_SCPA	NA	2026	2	2	2026	2	2	2046	2	1	2022
fulltoll_NORTHBAY_BESS	SonomaCounty	2025	6	1	2025	6	1	2040	5	31	2022
energy_TwinPinesSolar	MendocinoCounty	2024	12	1	2024	12	1	2044	11	30	2023
fulltoll_SagebrushII_BESS	KernCounty	2024	6	1	2024	6	1	2039	5	31	2023
energy_Azalea	KernCounty	2025	5	15	2025	5	15	2035	5	14	2023
fulltoll_POME_BESS	SanDiegoCounty	2024	6	1	2024	6	1	2024	6	1	2023

lse_unique_contract_id	contract_execution_date_month	contract_execution_date_day	tx_upgrades	tx_upgrade_date_year	tx_upgrade_date_month	tx_upgrade_date_day	tx_upgrade_description	d1911016_tranche	d2106035_procurement_cat	mtr_tranche1_NQC
raonly_CALPINE SUTTER IRP_tranche1	2	28	NA					1		
raonly_CALPINE SUTTER IRP_tranche2	2	28	NA					2		
raonly_MUSTANG BESS_all	8	28	NA					1&2&3	general	25.038
energy_PROXIMA	9	24	YES	2023	10	27	tation, Tracy Circuit Breaker Re	NA	general_&_ZE_gen_paired_dr	
energy_PROXIMA_EXPANSION	1	21	YES	2023	10	27	tation, Tracy Circuit Breaker Re	NA	general_&_ZE_gen_paired_dr	
fulltoll_CCPower_Tumbleweed	1	19	NA					NA	long_duration_storage	
fulltoll_CCPower_Goaline	3	1	NA					NA	long_duration_storage	
20220531_CCPower_OME_FishLake_Geo_SCPA	5	31	NO					NA	firm_ZE	
20220531_CCPower_Ormat_Portfolio_SCPA	5	31						NA	firm_ZE	
fulltoll_NORTHBAY_BESS	12	1	YES	2024	12	31	ation 230kV circuit breaker ove	NA	general	
energy_TwinPinesSolar	3	23	NO					NA	ZE_gen_paired_dr	
fulltoll_SagebrushII_BESS	6	2	NO					NA	general	
energy_Azalea	5	16	NO					NA	general_&_ZE_gen_paired_dr	
fulltoll_POME_BESS	5	16	NO					NA	general	

lse_unique_contract_id	mtr_tranche2_NQC	mtr_tranche3_NQC	mtr_tranche4_NQC	mtr_tranche5_NQC	mtr_tranche6_NQC	mtr_NQC_ZE_gen_paired_dr	previous_COD_year	previous_COD_month	previous_COD_day	remediation_plan	signed_contract
raonly_CALPINE SUTTER IRP_tranche1							2001	7	1		YES
raonly_CALPINE SUTTER IRP_tranche2							2001	7	1		YES
raonly_MUSTANG BESS_all	11.791						2021	10	1	YES	YES
energy_PROXIMA	4					4	2024	4	1		YES
energy_PROXIMA_EXPANSION	21.6					21.6	2024	4	1		YES
fulltoll_CCPower_Tumbleweed					8.75		2026	4	1		YES
fulltoll_CCPower_Goaline					7.82		2025	6	1		YES
20220531_CCPower_OME_FishLake_Geo_SCPA					1.41		2024	6	1		YES
20220531_CCPower_Ormat_Portfolio_SCPA					13.01		2025	6	1		YES
fulltoll_NORTHBAY_BESS		22.53					2025	6	1		YES
energy_TwinPinesSolar							2024	12	1		YES
fulltoll_SagebrushII_BESS	53.5						NA	NA	NA		YES
energy_Azalea		29.67				29.67	NA	NA	NA		YES
fulltoll_POME_BESS			23.00	23.00	29.75		NA	NA	NA		YES

lse_unique_contract_id	notice_to_proceed	public_contract	buying_energy_capacity	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	NO	NO	CapacityOnly	In the contract	D1911016	NA					specifiedimport
raonly_CALPINE SUTTER IRP_tranche2	NO	NO	CapacityOnly	In the contract	D1911016	NA					specifiedimport
raonly_MUSTANG BESS_all	YES	YES	CapacityOnly	Calculated	D1911016	Battery Storage (MWh Energy Capacity)	300	300	300	0	physical
energy_PROXIMA	NO	NO	EnergyCapacity	Calculated	RPS	Hybrid_or_Paired_Solar_and_Battery (GWh)	83.23805714	131.8196929	128.7950357	125.0999786	physical
energy_PROXIMA_EXPANSION		NO	EnergyCapacity	Calculated	D2106035	Hybrid_or_Paired_Solar_and_Battery (GWh)	33.29522286	52.72787714	51.51801429	50.03999143	newresolve
fulltoll_CCPower_Tumbleweed		YES	EnergyCapacity	Calculated	D2106035	Battery Storage (MWh Energy Capacity)	0	53.625	71.5	71.5	newgeneric
fulltoll_CCPower_Goaline		YES	EnergyCapacity	Calculated	D2106035	Battery Storage (MWh Energy Capacity)	0	69.44	69.44	69.44	newgeneric
20220531_CCPower_OME_FishLake_Geo_SCPA		YES	EnergyCapacity	Calculated	D2106035	Geothermal (GWh)	7.267762638	12.83298488	12.83298488	12.83298488	newgeneric
20220531_CCPower_Ormat_Portfolio_SCPA		YES	EnergyCapacity	Calculated	D2106035	Geothermal (GWh)	0	18.51671446	120.5875917	120.5875917	newgeneric
fulltoll_NORTHBAY_BEES		NO	EnergyCapacity	Calculated	D2106035	Battery Storage (MWh Energy Capacity)	0	120	120	120	newgeneric
energy_TwinPinesSolar		NO	EnergyOnly	In the contract	D2106035	Solar New PG&E (GWh)	0.447720689	13.38484956	13.38484956	13.38484956	newresolve
fulltoll_SagebrushII_BEES		NO	EnergyCapacity	Calculated	D2106035	Battery Storage (MWh Energy Capacity)	137.6666667	236	236	236	newgeneric
energy_Azalea		NO	EnergyCapacity	Calculated	D2106035	Hybrid_or_Paired_Solar_and_Battery (GWh)	0	152	152	152	physical
fulltoll_POME_BEES		NO	EnergyCapacity	Calculated	D2106035	Battery Storage (MWh Energy Capacity)	233.3333333	400	400	400	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_BESS energy_TwinPinesSolar fulltoll_SagebrushII_BESS energy_Azalea fulltoll_POME_BESS	

		tranche_1 2023	tranche_2 2024	tranche_3 2025	tranche_4 2026	tranche_5 2027	tranche_6 2028	MTR Total All
LSE:	SOMA	25	74	18	23	23	25	187
	CCA							-
Summary of unique_contracts	Total NQC reported (non-LLT)	25	91	52	23	23	30	244
	Total NQC reported (LLT)	-	-	-	-	-	31	31
	Total NQC Entered	25	91	52	23	23	61	275
	Total NQC vs Obligation	0	17	34	0	0	36	88
Summary of mtr_NQC_validation_tool	Calculated NQC	25	99	55	23	23	61	286
	Calculated vs Total Reported NQC	-	(8)	(3)	(0)	-	(0)	(11)
	Calculated NQC vs Obligation	0	25	37	0	0	36	98
Summary with Pending D.23-02-040 Compliance trades	Enter value here							
	Total NQC vs Proposed Obligation	0	17	34	0	0	36	88
	Calculated NQC vs Proposed Obligation	0	25	37	0	0	36	98

contracts (if needed, use F9 key to refresh list of contracts)	contracted nameplate capacity	contracted generator mw	contracted storage mw	hybrid	grid charging	total reported nqc	contract total calculated NQC	reported > calculated	% nameplate/tranche non hybrid	% nameplate/tranche hybrid gen	% nameplate/tranche hybrid storage
aonly_MUSTANG BESS_a	75	0	0	FALSE		36.8	36.8	FALSE	52%		
fulltoll_SagebrushII_BESS	59	0	0	FALSE		53.5	53.5	FALSE	100%		
fulltoll_POME_BESS	100	0	0	FALSE		75.8	75.8	FALSE	100%		
fulltoll_NORTHBAY_BESS	30	0	0	FALSE		22.5	22.5	FALSE	100%		
ltoll_CCPower_Tumblewe	9.7125	0	0	FALSE		8.8	8.8	FALSE	100%		
fulltoll_CCPower_Goaline	8.68	0	0	FALSE		7.8	7.8	FALSE	100%		
energy_TwinPinesSolar	5	0	0	FALSE							
ergy_PROXIMA_EXPANSI	20	20	27	TRUE	YES	21.6	25.8	FALSE		100%	100%
energy_PROXIMA	50	50	5	TRUE	YES	4.0	7.8	FALSE		100%	100%
energy_Azalea	60	60	38	TRUE	YES	29.7	32.5	FALSE		100%	100%
_CCPower_Ormat_Portfo	14	0	0	FALSE		13.0	13.0	FALSE	100%		
CCPower_OME_FishLake	1.521	0	0	FALSE		1.4	1.4	FALSE	100%		

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

CONFIDENTIAL - REDACTED