

UPDATE ON INTEGRATED RESOURCE PLAN

September 21, 2023



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WHAT IS AN INTEGRATED RESOURCE PLAN (IRP)?

- Long-term planning tool to meet regulatory requirements
 - Can also help achieve local policy goals
- Evaluates electricity supply and demand and identifies resource options to deliver low-carbon, reliable and cost-effective energy to customers
- IRP must be filed every two years with CPUC
 - Input from CECAC
 - City Council approval



Solar field at SJCE's facility in Kern County

2022 INTEGRATED RESOURCE PLAN RECAP

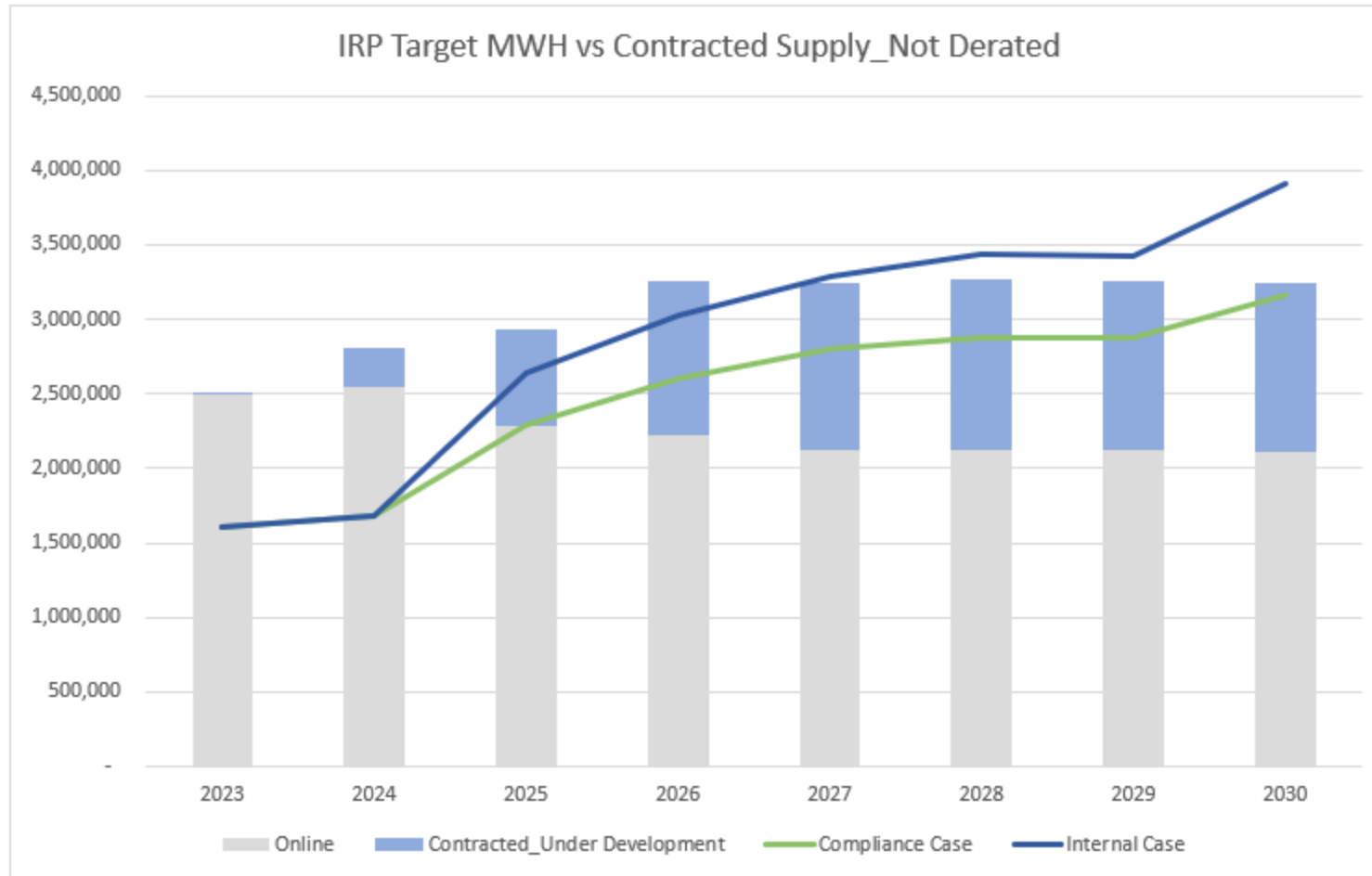
- 9/29/22: CECAC input
- 10/25/22: City Council approval
 - Compliant Case – filed with CPUC in November 2022:
 - Identified resources needed for SJCE to contribute no more than its proportional share of emissions for electric sector to emit 30MMT of carbon by 2030 and 25MMT of carbon by 2035
 - Internal Case – for internal use to guide procurement:
 - Identified resources needed for SJCE to be carbon neutral by 2030 on an annual basis
- 2022 IRP was also designed to achieve compliance with the resource adequacy rules currently in place

2022 IRP: RENEWABLE ENERGY

Year	SJCE Load Forecast (GWh)	State RPS Compliance (%)	State RPS Compliance (GWh)	Contracted + Planned RPS (%)	Contracted + Planned RPS (GWh)
2022	3,770	38.50%	1,452	60%	2,257
2023	3,790	41.25%	1,565	61%	2,308
2024	3,821	44.00%	1,681	68%	2,580
2025	3,844	46.75%	1,795	74%	2,860
2026	3,868	49.25%	1,907	87%	3,346
2027	3,894	52.00%	2,025	86%	3,356
2028	3,922	54.75%	2,145	88%	3,444
2029	3,958	57.25%	2,268	87%	3,434
2030	3,996	60.00%*	2,397	93%	3,723
2031	4,040	60.00%	2,424	92%	3,720
2032	4,079	60.00%	2,448	91%	3,724
2033	4,127	60.00%	2,476	91%	3,746
2034	4,174	60.00%	2,505	83%	3,458
2035	4,227	60.00%	2,536	82%	3,462

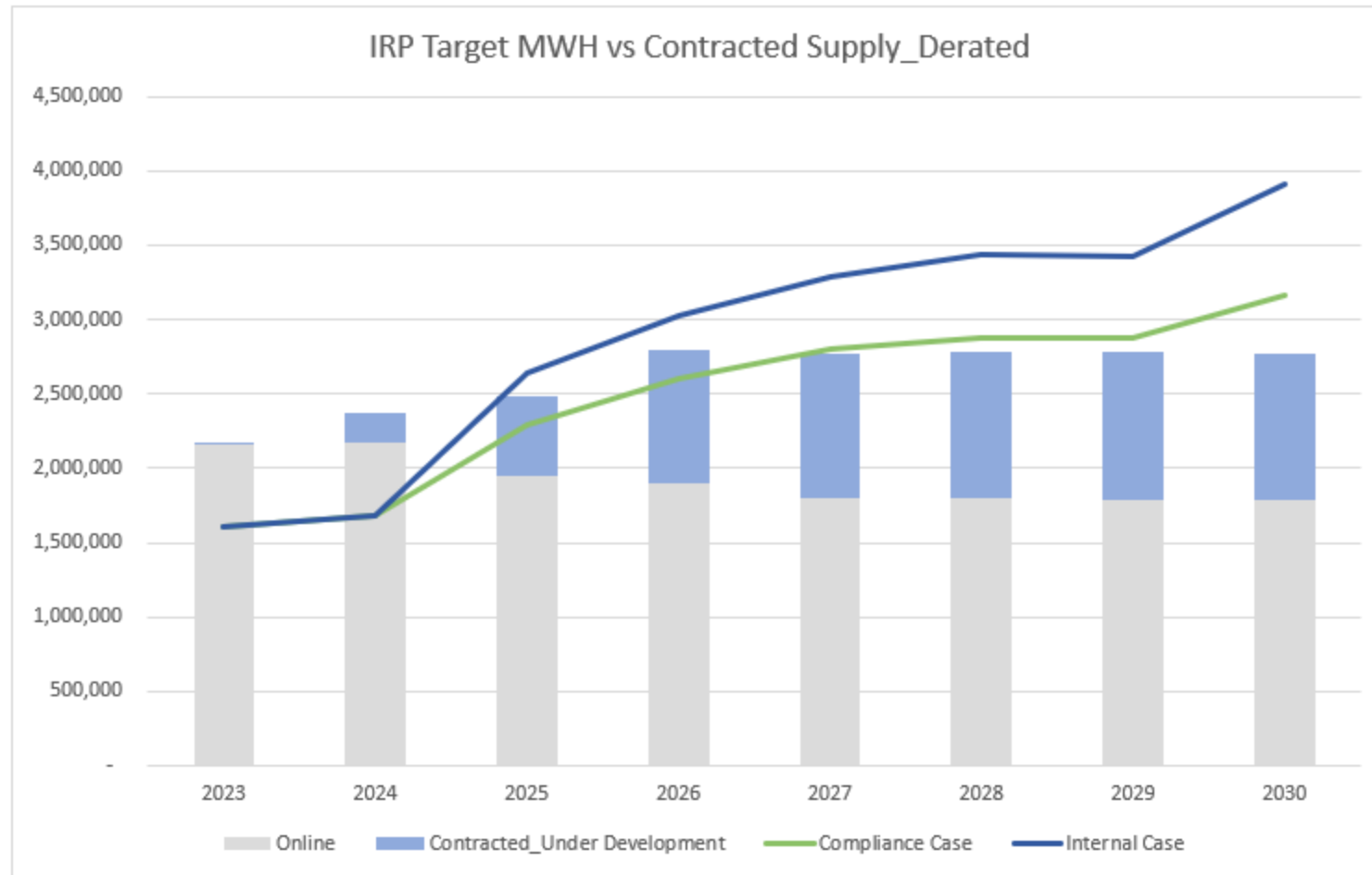
*Currently no State RPS target beyond 2030. State 2045 target is 100% clean energy, including carbon-free, such as large hydro.

2022 IRP PROGRESS: MWH (NO DERATE*)



*Assume plant output = agreement expected energy

2022 IRP PROGRESS: MWH (DERATE*)

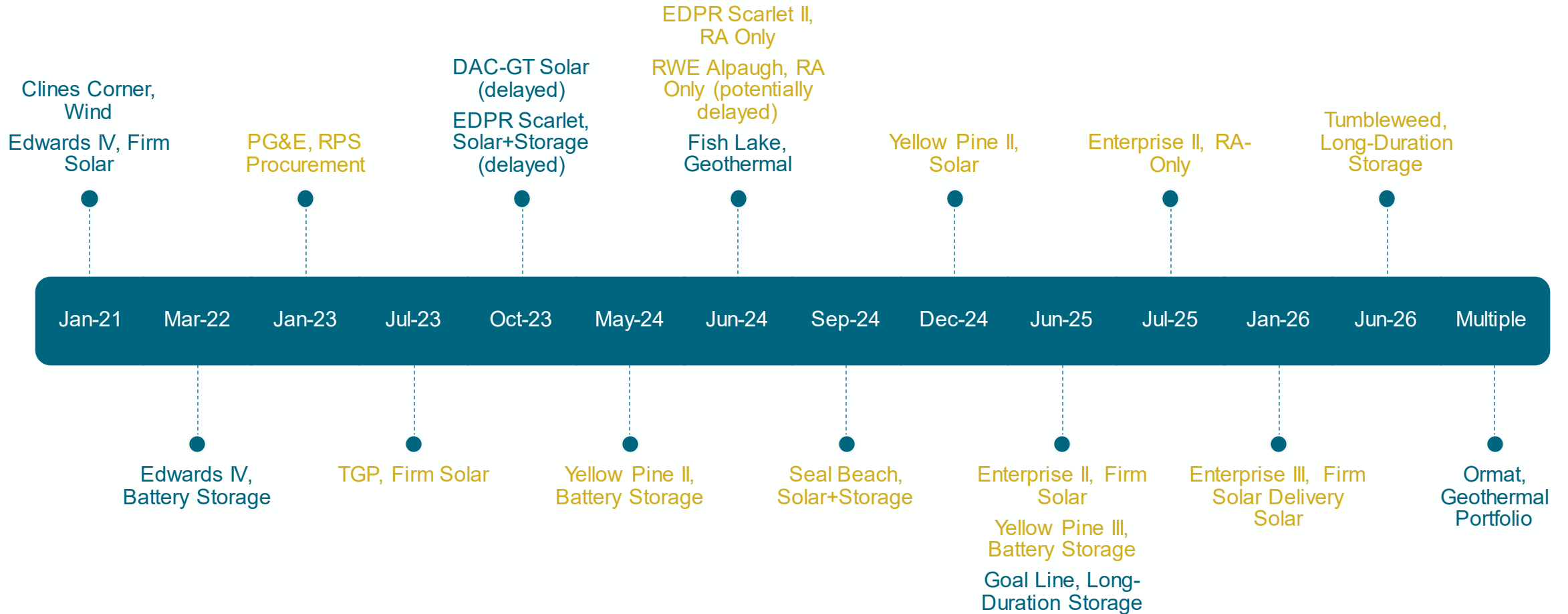


*Assume plant output = 80% of agreement expected energy
Production derate applied to as-available generation

PROCUREMENT EFFORTS UNDERWAY

- 3/22/23: SJCE issued a joint solicitation with East Bay Community Energy for long-term contracts targeting:
 - Renewables energy from wind and solar resources
 - Renewable energy paired with energy storage
 - Firm or shaped renewable energy products
 - Stand-alone energy storage
- Good participation but challenging market
 - Strong interest in new renewables
 - Limited projects that have advanced through the interconnection queue
 - CAISO considering approaches to address challenges
- Shortlisting and negotiations are underway

SJCE RESOURCES TIMELINE



New Agreements since 2022 IRP, in Gold
Existing Agreements, in Blue

AGREEMENTS NOT TO EXCEED TOTAL

Project	Contract Total Not to Exceed (\$1,000,000)
Clines Corner	604
Edwards IV	193
Edwards IV Battery	13.5
PG&E RPS	195
TGP	94
DAC-GT	12
Scarlet	175.6
Yellow Pine II (Solar plus Battery)	332
Scarlet RA	60.8
RWE Alpaugh RA	5.4
Fish Lake	38
Seal Beach	33
Enterprise II	78
Yellow Pine III	77.4
Goal Line	66
Enterprise II RA	6.3
Enterprise III	174
Tumbleweed	89
Ormat	430