

# Resource Tracking Data

Data current as of December 2025



California Public  
Utilities Commission



# Notes on Resource Tracking Data

- **Notes on Online MWs data**
  - All data are derived from CAISO [Master Generating Capability List](#), and CPUC [NQC Lists](#) with online dates between **Jan 1, 2020 – December 31, 2025**
  - Nameplate Capacity is shown as “Net Dependable Capacity” in the CAISO Master Generating List file.
  - Data shown excludes imports, except where specified.
  - NQC values are “Estimated September NQC” and subject to change based on counting rules or changes to resource configurations.
  - Data showing “Number of Projects” is derived by counting each unique CAISO resource ID as a project.
  - “Natural Gas” includes Alamitos Unit 7 (675 MW) and Huntington Beach (674 MW), online in Feb 2020.
- **Notes on Expected New MWs**
  - All data are from LSE self-reported contracting for projects expected to come online between 2026 and 2029.
  - Data are subject to change as the CPUC gets updated information from LSEs, IOU interconnection departments, developers and others.
  - CPUC staff continue to refine the data included herein. Data in this presentation are current up until December 2025 and any subsequent postings will supersede prior postings.
  - **Data included here are only the projects under contract to CPUC jurisdictional LSEs, and do not include all resources being developed in the state nor the CAISO footprint.**
- **Notes on Differences between Resource Tracking Data and IRP Compliance**
  - Due to numerous differences, such as varied baselines and resource eligibility for compliance, data on New MW Online plus New MW Expected do not exactly match progress towards IRP compliance orders. For information on compliance with IRP Procurement orders, see [Compliance updates at IRP Procurement Track \(ca.gov\)](#).
- **Notes on Updates and Questions**
  - For the most up-to-date data publicly available, please visit the CPUC's Summer Reliability page.
  - For any questions about the data, please contact [irpdatarequest@cpuc.ca.gov](mailto:irpdatarequest@cpuc.ca.gov)

# Part 1: New MW Online

- New Resources Online from 1/1/2020 to 12/31/2025
  - By Nameplate, NQC, and Number of Projects
- New Resources Online by Year and Resource Type
  - By Nameplate and NQC
- New IRP Procurement Resources Online by Year and Resource Type
  - By Nameplate and NQC

Data includes projects online  
as of December 31, 2025

# New MWs - Key Takeaways

## Total New MW Online between 1/1/2020 - 12/31/2025

	Nameplate Capacity (MW)	Estimated Sept. Net Qualifying Capacity (NQC) MW	Number of Projects by Resource IDs
New SB100 Resources, IN-CAISO	27,106	17,082	407
New Resources, IN-CAISO (includes Natural Gas)	28,658	18,580	426
<b>Total New Reliability Resources, including Imports</b>	<b>30,999</b>	<b>19,700</b>	<b>449</b>

**Note:** SB100 resources include all eligible renewable energy resources and zero-carbon resources for compliance with California's SB 100 clean energy targets.

## Total Storage Online (all time)

	Nameplate Capacity (MW)	Estimated Sept. Net Qualifying Capacity (NQC) MW	Number of Projects by Resource IDs
<b>Battery Energy Storage Systems (BESS) Projects (Including Standalone BESS &amp; Hybrids)</b>	<b>15,762</b>	<b>14,211</b>	<b>231 (incl. 33 hybrids)</b>

**Note:** MW only include storage portion of hybrids. Includes CAISO imports.

# New Energy Resources Online

Data includes projects online as of December 31, 2025

## New Resources Additions, January 1, 2020 – December 31, 2025, Cumulative

Technology Type	Nameplate Capacity MW	Estimated Sept. Net Qualifying Capacity (NQC) MW	Number of Projects
STORAGE	14,326	12,884	187
SOLAR	9,396	2,445	153
HYBRID (STORAGE/SOLAR)	2,172	1,473	30
WIND	1,128	249	23
GEOTHERMAL	41	31	1
BIOGAS, BIOMAS, HYDRO	44	0.1	13
<b>Subtotal Total New SB100 Resources, IN-CAISO</b>	<b>27,106</b>	<b>17,082</b>	<b>407</b>
NATURAL GAS, incl. Alamitos & Huntington Beach	1,551	1,498	19
<b>Total New Resources, IN-CAISO</b>	<b>28,658</b>	<b>18,580</b>	<b>426</b>
New Imports, Pseudo-Tie or Dynamically Scheduled	2,341	1,119	23
<b>Total New Resources, including Imports</b>	<b>30,999</b>	<b>19,700</b>	<b>449</b>

### Notes:

All data shown derived from CAISO [Master Generating Capability List](#), and CPUC [NQC Lists](#).

Nameplate Capacity is shown as "Net Dependable Capacity" in the CAISO Master Generating List file. Data shown excludes imports, except where specified. All NQC values are "September NQC" and subject to change based on counting rules and additions to monthly CPUC NQC Lists. "Project" is defined as a unique CAISO resource ID. "Natural Gas" includes Alamitos Unit 7 (675 MW) and Huntington Beach (674 MW) added in Feb 2020. SB100 resources include all eligible renewable energy resources and zero-carbon resources for compliance with California's SB 100 clean energy targets.

# New MWs Online - Nameplate

## By Year and Resource Type

Data includes projects online as of December 31, 2025

Technology Type	2020	2021	2022	2023	2024	2025	Total MW	# Projects
SOLAR	1,300	1,048	913	2,482	2,227	1,426	9,396	153
STORAGE	101	1,703	1,907	2,528	3,553	4,536	14,326	187
HYBRID (SOLAR + STORAGE)	0	26	890	354	503	399	2,172	30
WIND	16	304	367	154	260	27	1,128	23
GEOTHERMAL	0	0	0	0	41	0	41	1
HYDRO	26	0	0	0	0	0	26	4
BIOMASS	0	2	3	3	0.5	3	11	5
BIOGAS	1	0	2	3	0	2	8	4
<b>Subtotal Total New SB100 Resources, IN-CAISO</b>	<b>1,444</b>	<b>3,083</b>	<b>4,082</b>	<b>5,521</b>	<b>6,584</b>	<b>6,393</b>	<b>27,106</b>	<b>407</b>
NATURAL GAS, incl. Alamitos & Huntington Beach	1,448	17	12	0	63	13	1,551	19
<b>Total New Resources, IN-CAISO</b>	<b>2,892</b>	<b>3,100</b>	<b>4,094</b>	<b>5,521</b>	<b>6,647</b>	<b>6,406</b>	<b>28,658</b>	<b>426</b>
New Imports, Pseudo-Tie or Dynamically Scheduled	695	807	49	50	282	455	2,341	23
<b>Total New Resources, including Imports</b>	<b>3,587</b>	<b>3,907</b>	<b>4,143</b>	<b>5,571</b>	<b>6,928</b>	<b>6,861</b>	<b>30,999</b>	<b>449</b>

# New MWs Online - Sept NQC

## By Year and Resource Type

Data includes projects online as of December 31, 2025

Technology Type	2020	2021	2022	2023	2024	2025*	Total MW	# Projects
SOLAR	444	435	318	606	499	142	2,445	153
STORAGE	100	1,607	1,906	2,448	3,499	3,325	12,884	187
HYBRID (SOLAR + STORAGE)	0	15	569	243	331	316	1,473	30
WIND	3	65	80	33	63	6	249	23
GEOTHERMAL	0	0	0	0	31	0	31	1
HYDRO	0	0	0	0	0	0	0	4
BIO MASS	0	0	0	0	0	0	0	5
BIOGAS	0	0	0	0	0	0	0	4
<b>Subtotal Total New SB100 Resources, IN-CAISO</b>	<b>548</b>	<b>2,122</b>	<b>2,872</b>	<b>3,329</b>	<b>4,424</b>	<b>3,788</b>	<b>17,082</b>	<b>407</b>
NATURAL GAS, incl. Alamitos & Huntington Beach	1,448	15	11	0	12	11	1,498	19
<b>Total New Resources, IN-CAISO</b>	<b>1,995</b>	<b>2,137</b>	<b>2,883</b>	<b>3,329</b>	<b>4,436</b>	<b>3,800</b>	<b>18,580</b>	<b>426</b>
New Imports, Pseudo-Tie or Dynamically Scheduled	390	387	33	50	201	58	1,119	23
<b>Total New Resources, including Imports</b>	<b>2,385</b>	<b>2,524</b>	<b>2,916</b>	<b>3,379</b>	<b>4,637</b>	<b>3,858</b>	<b>19,700</b>	<b>449</b>

# New MWs Online - Sept NQC

## By Year and Transmission Access Charge (TAC) Area

Data includes projects online as of December 31, 2025

TAC Area	2020	2021	2022	2023	2024	2025*	Total MW	# Projects
EAST CENTRAL (SOUTHERN CALIFORNIA EDISON COMPANY)	1,766	1,221	2,049	1,976	3,322	2,216	12,549	266
NORTH (PACIFIC GAS AND ELECTRIC)	230	724	715	1,082	758	655	4,163	117
SOUTH (SAN DIEGO GAS AND ELECTRIC)	0	192	120	271	356	929	1,868	43
<b>Total New Resources, IN-CAISO</b>	<b>1,995</b>	<b>2,137</b>	<b>2,883</b>	<b>3,329</b>	<b>4,436</b>	<b>3,800</b>	<b>18,580</b>	<b>426</b>
New Imports, Pseudo-Tie or Dynamically Scheduled	390	387	33	50	201	58	1,119	23
<b>Total New Resources, including Imports</b>	<b>2,385</b>	<b>2,524</b>	<b>2,916</b>	<b>3,379</b>	<b>4,637</b>	<b>3,858</b>	<b>19,700</b>	<b>449</b>

\*Note: Some new projects have not yet made it onto the CPUC's monthly NQC list and have not yet been assigned NQC. Future reports will include updated NQC amounts for these resources.

# New MWs Online

## December 2025 Additions

Data includes projects online as of December 31, 2025

Technology Type	Nameplate Capacity MW	Estimated Sept. Net Qualifying Capacity (NQC) MW	# Projects
STORAGE	539	0*	3
SOLAR	564	0*	3
BIOGAS	2	0*	1
<b>Total New Resources, IN-CAISO</b>	<b>1,105</b>	<b>0*</b>	<b>7</b>
New Imports, Pseudo-Tie or Dynamically Scheduled	170	0*	4
<b>Total New Resources, including Imports</b>	<b>1,275</b>	<b>0*</b>	<b>11</b>

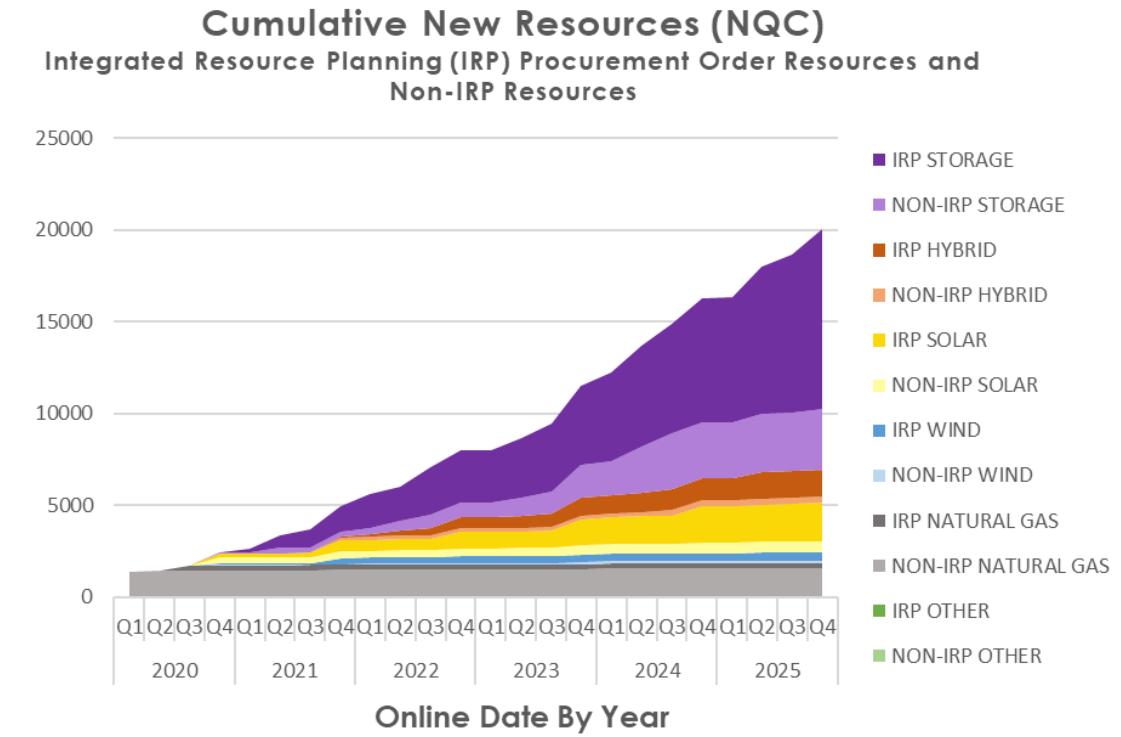
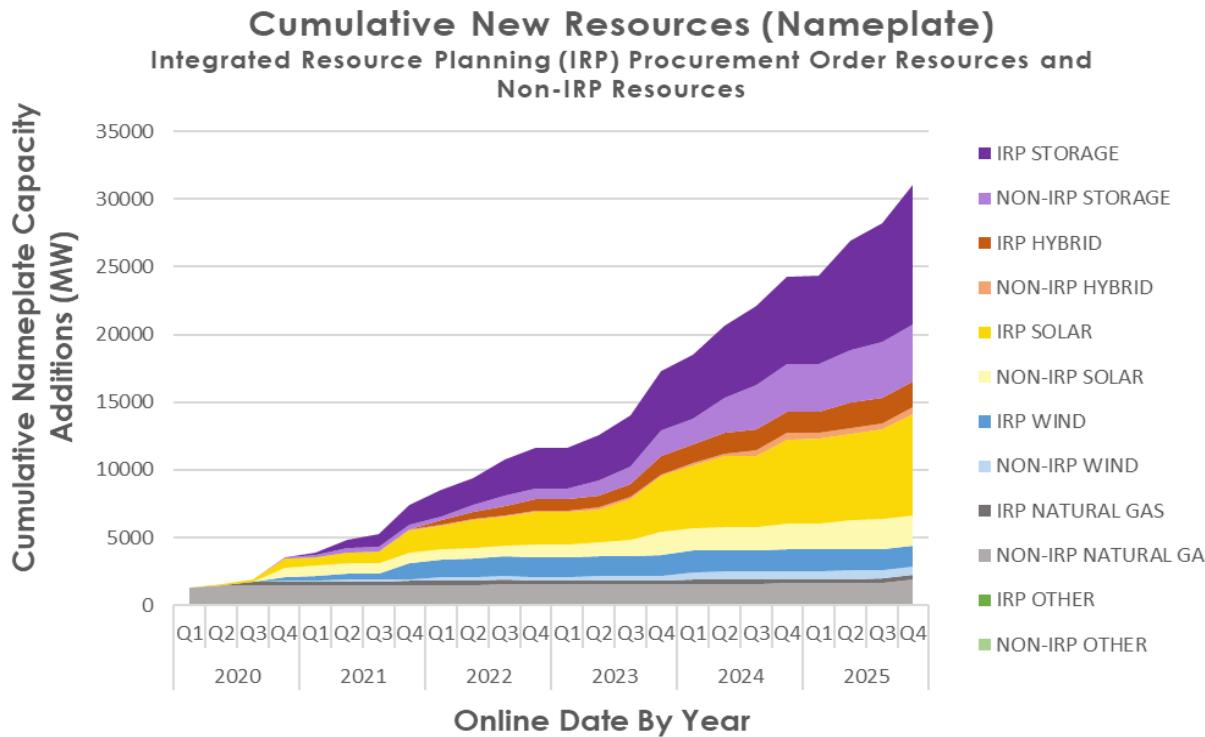
## IRP Procurement

Technology Type	Nameplate Capacity MW	Estimated Sept. Net Qualifying Capacity (NQC) MW	# Projects
STORAGE	538	0*	2
SOLAR	564	0*	3
BIOGAS	2	0*	1
<b>Total New Resources, IN-CAISO</b>	<b>1,104</b>	<b>0*</b>	<b>6</b>
New Imports, Pseudo-Tie or Dynamically Scheduled	35	0*	1
<b>Total New Resources</b>	<b>1,139</b>	<b>0*</b>	<b>7</b>

# Total New Procurement

## By Year and Resource Type

Data includes projects online as of December 31, 2025

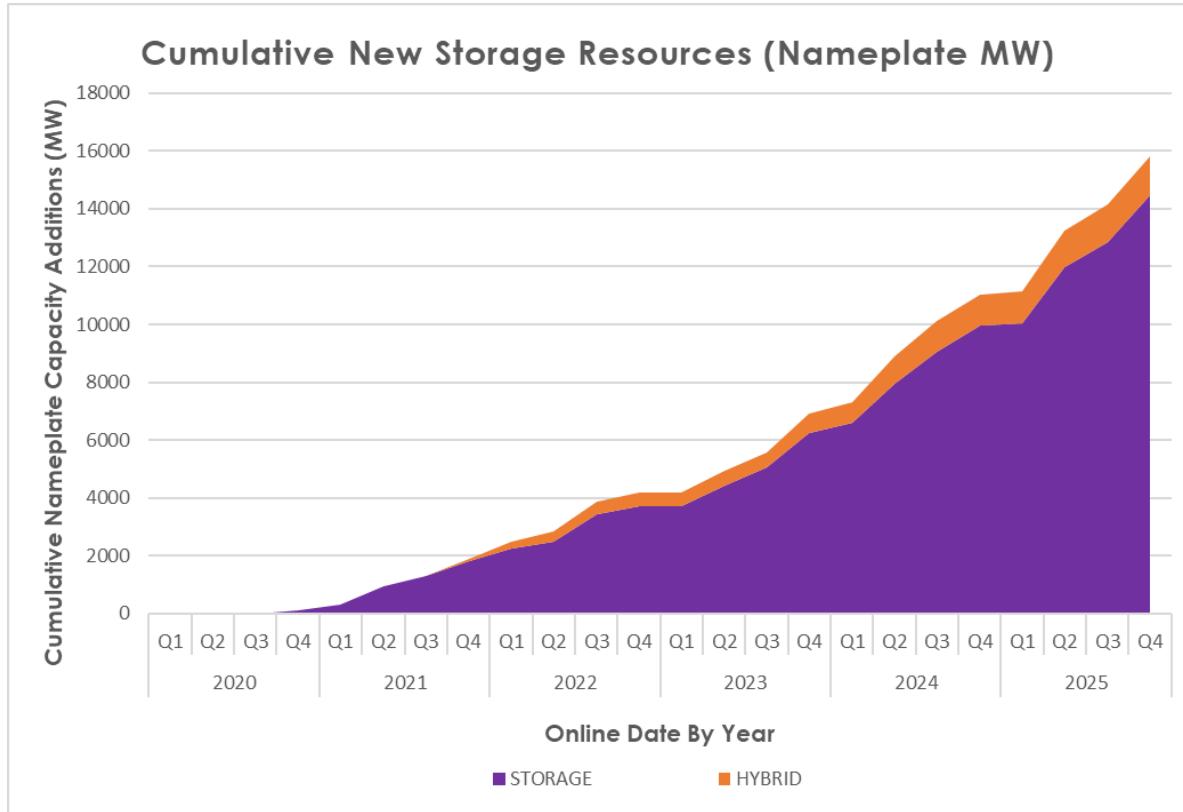


**Note:** Data shown here shows a snapshot of new resources added to the CAISO grid Q1 2020 – Q4 2025, including specified CAISO imports. "Other" resources include geothermal, biomass, biogas, and hydropower. Hybrids include some storage, and some other (usually solar) technology. "IRP Procurement Order Resources" refer to resources claimed for compliance with IRP Procurement Orders; "Non-IRP Resources" include resources that are not counting towards IRP Procurement order compliance, which occurs for a variety of reasons such as the resource was in development prior to IRP orders, the resource is energy-only, the resource is not under contract to a CPUC jurisdictional entity, etc.

**NQC** = Net qualifying capacity (NQC) and represents the amount the resource contributes to reliability; NQC can vary over time, and for each month of the year; the values shown are indicative of September NQC values for the resources.

# Total Storage Online By Year

Data includes projects online  
as of December 31, 2025



**Note:** Data shown here shows a snapshot of new resources added to the CAISO grid Q1 2020 – Q4 2025, including specified CAISO imports. Hybrids include some storage, and some other (usually solar) technology. MW shown here only include the storage portion of hybrids.

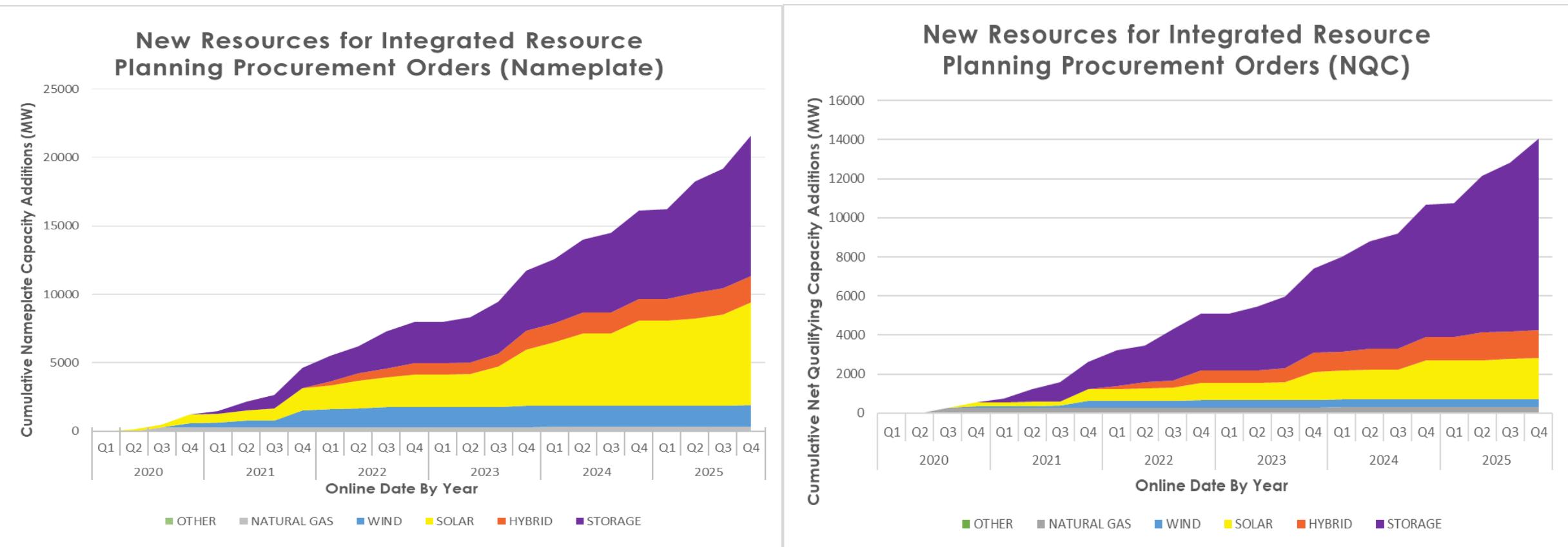
- **Installed to date:** Nearly 16,000 MW of storage nameplate capacity is online serving the grid as of December 2025, including imports.
  - Includes ~150 MW of storage added prior to 2020
  - Includes standalone battery storage and the storage component of hybrid resources
- **Expected future installs:** An additional 12,000 MW of storage resources is under contract and expected to come online by 2028.

# Part 2: Integrated Resource Planning Compliance

- New IRP Procurement MW by Year and Resource Type- Nameplate
- New IRP Procurement MW by Year and Resource Type – NQC

# New IRP Procurement By Year and Resource Type

Data includes projects online  
as of December 31, 2025



**Note:** Data shown here shows a snapshot of new resources added to the CAISO grid Q1 2020 – Q4 2025 for compliance with Integrated Resource Planning (IRP) procurement orders, including specified CAISO imports. "Other" resources includes geothermal, biomass, biogas, and hydropower. Hybrids include some storage, and some other (usually solar). Additional resources have come online for other reasons in this time period but are not included in these figures. See: [IRP Procurement Track \(ca.gov\)](#) for more information about IRP Procurement Order Compliance.

## **Part 3: Expected New MWs based on LSE Contracts to date**

- Expected New MW by Year and Resource Type- Nameplate
- Expected New MW by Year and Resource Type – NQC
- Total New Energy Resources Online and Under Contract - Nameplate

# New MWs Expected - Nameplate

## By Year and Resource Type, including imports

Data includes projects expected/under contract as of December 11, 2025

Resource Type	2026	2027	2028	2029	Total
<b>Solar</b>	1,781	1,836	318	605	<b>4,541</b>
<b>Battery Storage</b>	3,071	3,389	1,576	495	<b>8,531</b>
<b>Paired/Hybrid</b>	1,770	1,535	543	50	<b>3,898</b>
<b>Wind</b>	2,446	-	80	-	<b>2,526</b>
<b>Geothermal</b>	115	174	515	29	<b>833</b>
<b>Biomass/Biogas</b>	6	3	-	-	<b>9</b>
<b>Totals</b>	<b>9,190</b>	<b>6,937</b>	<b>3,032</b>	<b>1,179</b>	<b>20,338</b>

- Over 20,000 MW nameplate of future contracts are executed to meet CPUC's procurement order obligations.
- Majority of new resource MWs are expected to be battery storage and solar.
- Other types of resources are eligible to meet orders and may be contracted in the future.

# New MWs Expected - NQC

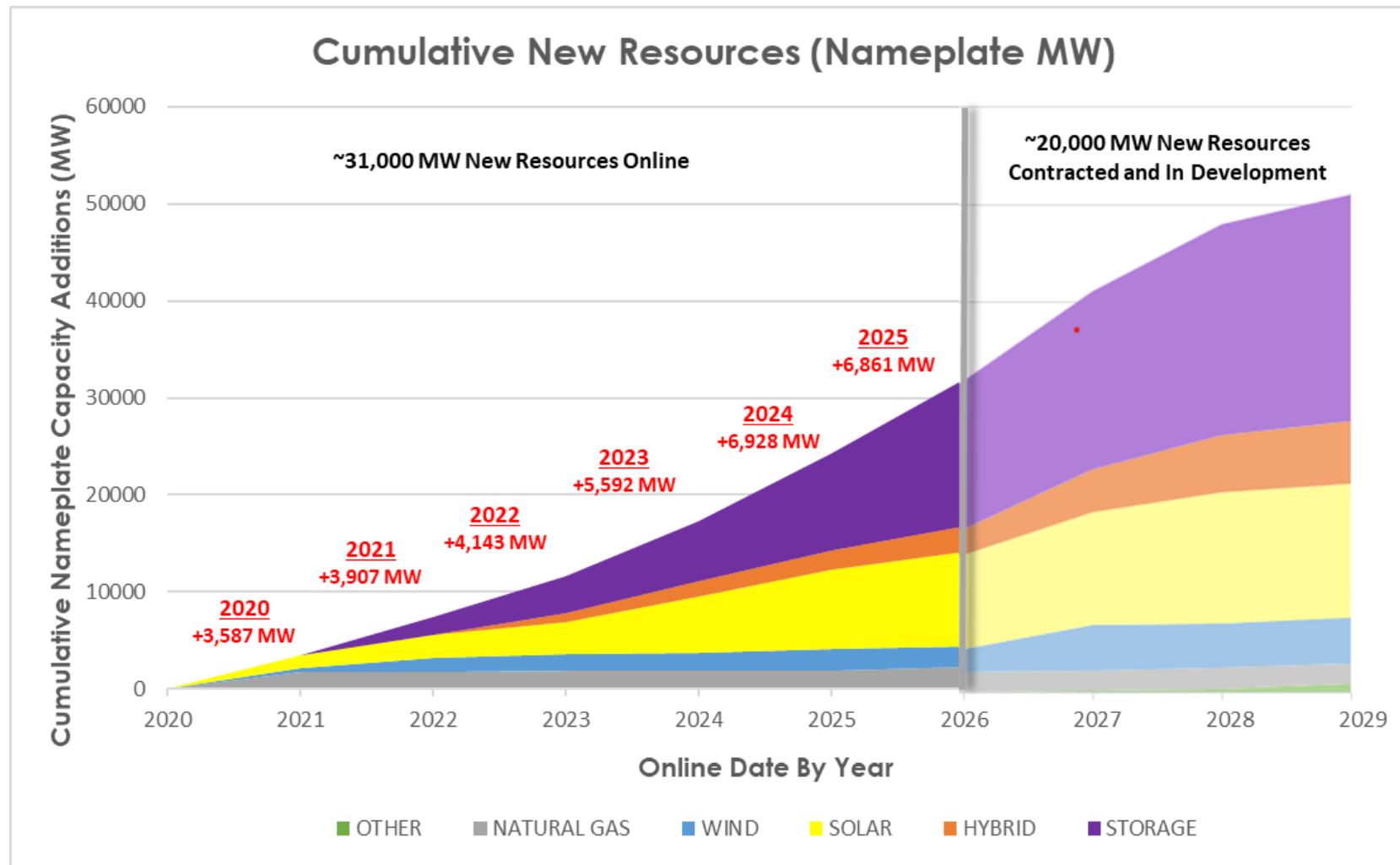
## By Year and Resource Type, including imports

Data includes projects expected/under contract as of December 11, 2025

Resource Type	2026	2027	2028	2029	Total
<b>Solar</b>	546	947	-	234	<b>1,727</b>
<b>Battery Storage</b>	2,671	3,155	1,525	495	<b>7,847</b>
<b>Paired/Hybrid</b>	1,127	1,013	331	74	<b>2,545</b>
<b>Wind</b>	650	-	80	-	<b>730</b>
<b>Geothermal</b>	112	170	503	27	<b>811</b>
<b>Biomass/Biogas</b>	6	-	-	-	<b>6</b>
<b>Totals</b>	<b>5,112</b>	<b>5,285</b>	<b>2,439</b>	<b>829</b>	<b>13,665</b>

- Over 13,000 MW NQC of future contracts are executed to meet CPUC's procurement order obligations.
- Majority of new resource MWs are expected to be battery storage.
- Other types of resources are eligible to meet orders and may be contracted in the future.

# Total New Energy Resources Online and Under Contract



**Note:** Data shown here shows a snapshot of new resources added to CAISO grid Q1 2020 – Q4 2025, including specified CAISO imports. Also shown is a projection of future new resources based on contracts in place by December 2025. "Other" resources includes geothermal, biomass, biogas, and hydropower. Prior versions of this chart indicated 7,052 MW came online in 2024; however subsequent data corrections to CAISO COD records now indicate the 2024 total was 6,928 MW.

# **Links to Other Key References on New Resource Development**

# References to Related Information

- (1) Tracking Energy Development Task Force – [Tracking Energy Development \(ca.gov\)](#)
- (2) Joint Agency Reliability Planning Assessments – pursuant to SB 846
  - [May 2024 Report](#)
  - [August 2024 Report](#)
  - [March 2025 Report](#)
  - [May 2025 Report](#)
  - [August 2025 Report](#)
- (3) California Energy Commission's Energy Almanac - [Energy Almanac \(ca.gov\)](#)
- (4) CAISO Key Energy Statistics: [Media resources | California ISO \(caiso.com\)](#)
- (5) Overview of CPUC IRP Procurement Orders – [IRP Procurement Track \(ca.gov\)](#)
- (6) Overview of CPUC Jurisdictional LSE Procurement in Compliance with IRP Procurement Orders
  - [California Public Utilities Commission \(CPUC\) Staff Review of Load-Serving Entities' \(LSEs'\) Compliance with the Mid-Term Reliability \(MTR, D.21-06-035\) and Supplemental MTR \(SMTR, D.23-02-040\) Decisions, 7/10/2025](#)
  - [Procurement in Compliance with D.19-11-016 and Mid Term Reliability \(D.21-06-035\) per December 1, 2023, 10/9/2024](#)
  - [Procurement in Compliance with D.19-11-016 and Mid Term Reliability \(D.21-06-035\) per August 1, 2023, 4/22/2024](#)
  - [Procurement in Compliance with D.19-11-016 and Mid Term Reliability \(D.21-06-035\) per February 1, 2023, 11/2/2023](#)
  - [Procurement in Compliance with D.19-11-016 per August 1, 2022 Filings, 2/13/2023](#)
  - [Procurement in Compliance with D.19-11-016 per February 1, 2022 Filings, 7/22/2022](#)
  - [Procurement in Compliance with D.19-11-016 per February 1, 2021 Filings, 8/23/2021](#)

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