GridVision AI

CAISO · California · Public-record retrospective

Highwind Substation 230 kV: interconnection queue history

3,428 MW filed. 162 MW built.

Fourteen interconnection requests since 2006: 1 reached commercial operation and 13 withdrew.

REQUESTS	BUILT	WITHDRAWN	STILL IN QUEUE	MEDIAN YEARS
14	**1**	**13**	**0**	**6.2**

THE QUEUE RECORD (SOURCE ROWS)

Requested	Project	Technology	MW	Outcome	Dated
2006-09-27	NORTH SKY RIVER WIND	Wind	162	Built	2012-12-07
2008-05-30	RED MOUNTAIN RIDGE	Wind	150	Withdrawn	2012-04-25
2009-07-31	CITY OF VERNON RENEWABLE PROJECT 1	Wind	688	Withdrawn	2009-11-03
2011-03-31	SOLDIER FLAT	Wind	400	Withdrawn	2012-02-23
2011-03-31	ALTA 15	Wind	502	Withdrawn	2012-03-07
2012-04-02	TEHACHAPI VALLEY SOLAR I	Solar	45	Withdrawn	2015-06-15
2012-04-02	HIGHWIND POWER PROJECT	Gas	291	Withdrawn	2014-10-13
2016-05-02	GRAPEVINE 1	Battery	406	Withdrawn	2017-04-25
2017-05-01	JAWBONE WIND ENERGY PROJECT	Wind	37.4	Withdrawn	2019-07-08
2018-04-16	HIGHLINE SOLAR ENERGY CENTER	Solar + battery	80	Withdrawn	2019-02-26
2019-04-15	HIGHWIND ENERGY CENTER	Solar + wind + battery	51.75	Withdrawn	2020-02-27
2019-04-15	FOKUS RENEWABLE ENERGY CENTER	Solar + wind + battery	152.4	Withdrawn	2019-07-19
2020-04-15	VALOREM	Solar + wind + battery	208.08	Withdrawn	2021-05-10
2021-04-15	WINOKA HYBRID SOLAR	Solar + battery	253.88	Withdrawn	2021-08-10

WHAT THE RECORD SHOWS

- 3,266 MW of the 3,428 MW filed here withdrew, and 162 MW reached commercial operation.
- The one request that reached operation took 6.2 years from request to commercial operation.
- The largest request filed here, 688 MW (wind), withdrew 0.3 years after filing.
- Two requests were filed on 2019-04-15; all of them withdrew.

This is a reading of a public dataset, not a customer case study: no engagement, customer or client is involved. The dataset records outcomes — what was built, what withdrew, and when — but not why any project withdrew, so no cause is attributed here. Nothing on this page claims GridVision predicted, influenced or would have changed any outcome, and a pattern at one point of interconnection does not generalise to another.

Source: Lawrence Berkeley National Laboratory, Queued Up: 2026 Edition — project-level interconnection queue dataset. Interconnection requests through year-end 2025. Used under CC BY 4.0; attribution to Lawrence Berkeley National Laboratory and GridTracker. https://gridvisionai.com/retrospectives/caiso-highwind-substation-230-kv