



California ISO

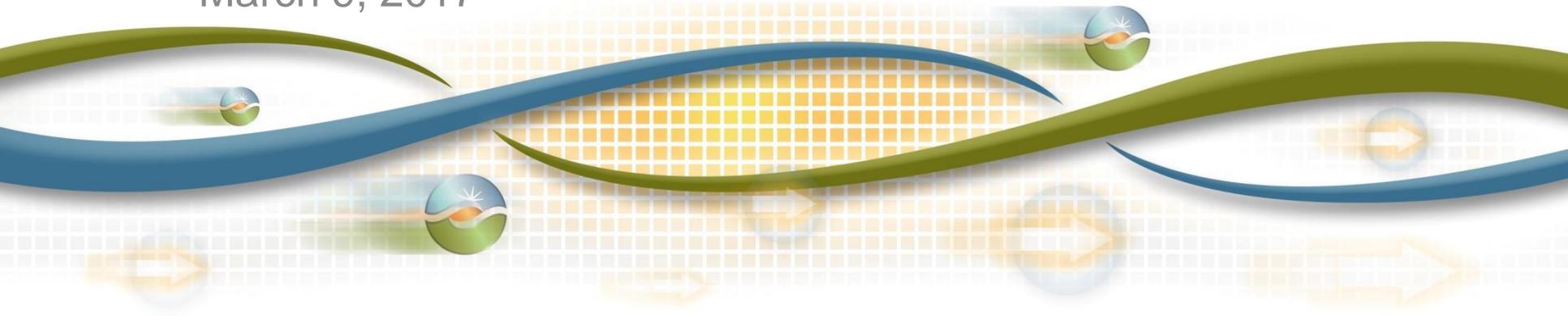
2018 & 22 Draft LCR Study Results Big Creek/Ventura Local Area

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Big Creek/Ventura Area Loads & Resources

Load

Year	Load (MW)	AEEE (MW)	Pump Load (MW)	Transmission Losses (MW)	Total (MW)
2018	4485	-108	369	51	4797
2022	4834	-228	369	51	5026

- The above load values include:
 - Saugus substation load which is located in the BCV LCA. BCV Area total load without Saugus is 3945 MW (2018) and 4174 MW (2022).
 - Upward adjustment due to peak shift of 68 MW (2018) and 194 MW (2022).

Available Generation

Year	QF (MW)	Muni (MW)	Market (MW)	Max. Qualifying Capacity (MW)
2017	171	372	4920	5463

New Transmission Projects Included

- No new transmission projects were included.
- Big Creek Corridor Rating Increase Project (ISD - 12/31/2018) was not modeled in the 2022 base case since executive approval was pending.

Rector Sub-Area

Category B

Contingency: Vestal-Rector #1 or #2 230 kV line with Eastwood out of service

Limiting component: Remaining Vestal-Rector 230 kV line.

2018 LCR need: 515 MW (include 1 MW of QF generation).

2022 LCR need: 507 MW (include 1 MW of QF generation).

Category C

Same as above.

Vestal Sub-Area

Category B

Contingency: Magunden-Vestal #1 or #2 230 kV line with Eastwood out of service.

Limiting component: Remaining Magunden-Vestal 230 kV line.

2018 LCR need: 848 MW (includes 46 MW of QF generation)

2022 LCR need: 848 MW (includes 46 MW of QF generation)

Category C

Same as above.

Santa Clara Sub-Area

Category C

Contingency: Pardee-S. Clara 230 kV line followed by DCTL
Moorpark-S. Clara #1 and #2 230 kV lines.

Limiting component: Voltage collapse

2018 LCR need: 250 MW (includes 90 MW of QF generation).

2022 LCR need: 289 MW (includes 90 MW of QF generation).

Category B

No requirement.

Moorpark Sub-Area

Category C

Contingency: Pardee-Moorpark #3 230 kV line followed by DCTL
Pardee-Moorpark #1 and #2 230 kV lines.

Limiting component: Voltage collapse

2018 LCR need: 504 MW (includes 119 MW of QF generation).

2022 LCR need: 554 MW (includes 119 MW of QF generation).

Category B

No requirement.

Big Creek/Ventura Overall

Category B

Contingency: Sylmar-Pardee #1 or #2 230 kV line with Ormond #2 (2018 case) or Pastoria combined cycle module (2022 case) out of service.

Limiting component: Remaining Sylmar-Pardee 230 kV line.

2018 LCR need: 2023 MW (includes 543 MW of QF and Muni).

2022 LCR need: 2208 MW (includes 543 MW of QF and Muni).

Category C

Contingency: Sylmar-Pardee #1 or #2 230 kV line followed by Lugo-Victorville 500 kV or vice versa.

Limiting component: Remaining Sylmar-Pardee 230 kV line.

2018 LCR need: 2321 MW (includes 543 MW of QF and Muni).

2022 LCR need: 2597 MW (includes 543 MW of QF and Muni).

Changes

Since last year:

- 1) 2018 load forecast is up by 78 MW vs. 2017. Overall LCR is up by 264 MW.
- 2) 2022 load forecast is up by 297 MW vs. 2017. Overall LCR is up by 199 MW.
- 3) Like last year, the Las Flores Canyon Cogeneration Facility (EXGEN) is assumed to be unavailable in 2018 due to the long-term shutdown of the facility.

Your comments and questions are welcome.

For written comments, please send to: RegionalTransmission@caiso.com