



California ISO

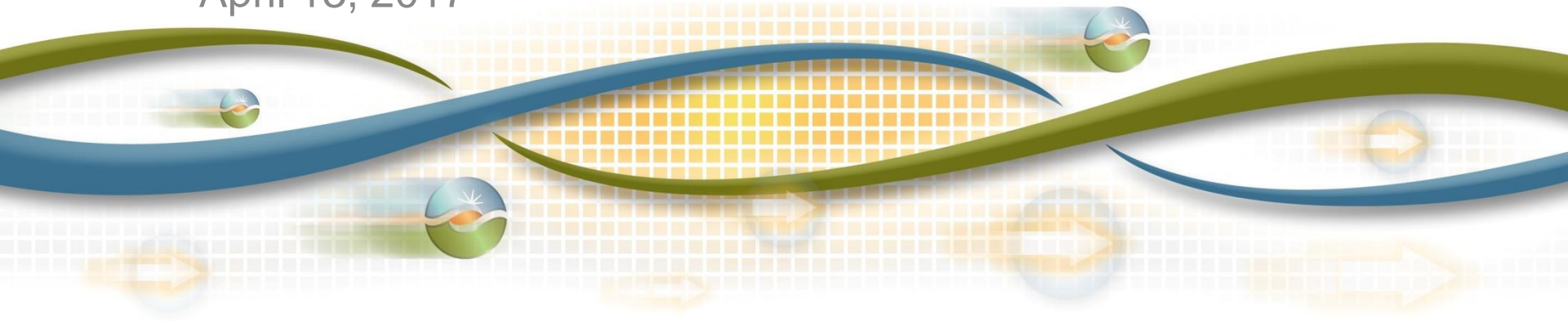
2018 & 22 Final LCR Study Results Big Creek/Ventura Local Area

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Stakeholder Call

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Big Creek/Ventura Area Loads & Resources

Load

Year	Load (MW)	BTM PV	AEEE (MW)	Pump Load (MW)	Transmission Losses (MW)	Total (MW)
2018	4661	-169	-108	369	51	4802
2022	4968	-131	-232	369	46	5020

- The above load values include:
 - Saugus substation load which is located in the BCV LCA.
 - Upward adjustment due to peak shift of 68 MW (2018) and 194 MW (2022).

Available Generation

Year	QF (MW)	Muni (MW)	Pref. Res. & ES	Market (MW)	Max. Qualifying Capacity (MW)
2018	58	372	154	5227	5811
2022	58	372	171	3413	4014

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.

2022 LCR need: 507 MW.

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

2022 LCR need: 848 MW

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.

2022 LCR need: 289 MW.

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.

2022 LCR need: 554 MW.

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.

2022 LCR need: 2208 MW.

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.

2022 LCR need: 2597 MW.

Changes

Since last year:

- 1) 2018 load forecast is up by 83 MW vs. 2017. Overall LCR is up by 264 MW.
- 2) 2022 load forecast is up by 342 MW vs. 2021. 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.

Since last stakeholder meeting:

- Updated NQC.
- Added BTM PV information
- Revised some load values

Your comments and questions are welcome.

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