
 California ISO	Operating Procedure Attachment	Procedure No.	4510A
		Version No.	13.4
		Effective Date	3/28/24
Load Shed Calculation Guideline – Public Attachment		Distribution Restriction: None	

Fixed Pro-Rata Shares

UDC / MSS	Fixed Pro-Rata Share
Anaheim	1.04%
Azusa	0.14%
Banning	0.10%
Corona	0.04%
Lassen	0.06%
NCPA	2.49%
Pasadena	0.61%
Pacific Gas & Electric	45.24%
Port of Stockton	0.01%
Riverside	1.32%
SCE	39.79%
SDG&E	8.58%
VEA	0.26%
Vernon	0.31%

Pro-Rata Load Shedding
CAISO System Operator Actions
If fixed pro-rata Load Shedding by all UDCs and MSSs is required, then determine the amount and location of Load to be reduced, and, to the extent practicable, allocate a portion to each UDC/MSS based on the results shown in the Load Shedding Tool.
Calculation used in the Load Shedding Tool
Load Shedding Responsibilities = UDC or MSS demand at the time of the CAISO BA annual peak for the previous year/ Total BA annual peak Demand for the previous year taking into account system considerations.
The load shed MW per UDC/MSS above is determined by multiplying the fixed percentage in the table above by the MW determined by the CAISO that needed to be shed to maintain reliability. For example if the CAISO determined to shed 2000 MW of load to maintain reliability, each UDC/MSS will multiply 2000 MW by their respective percentage to determine their share of MW to be shed in their UDC/MSS.
Example: When a sudden multiple Contingency or a CAISO Grid reserve deficiency requires Load Shedding assistance from the entire CAISO Balancing Authority to Stabilize the grid.

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Operationally Affected Parties

Shared with the Public.

Version History

Version	Change	Date
10.5	Updated the percentages to reflect Peak Loads in 2018.	4/01/19
11.0	Annual Review: Updated percentages to reflect correct Peak Load for 2018.	4/22/19
12.0	Annual Review: Updated pro-rata allocation percentages to reflect Peak Load for 2019. Removed technical review section.	3/31/20
13.0	Annual Review: Updated percentage numbers based on 2020 peak load data. Added clarification to explain how the share of MW load shed per UDC/MSS is calculated. Replaced instances of ISO with CAISO throughout and minor format and grammar edits.	3/18/21
13.1	Updated percentages based on the different peak load date (8/18/2021 instead of 9/6/2021).	5/06/21
13.2	Annual review: Updated percentage numbers based on 2021 peak load data. Removed history prior to five years.	5/01/22
13.3	Annual review: Updated percentage numbers based on 2022 peak load data.	3/16/23
13.4	Annual review: Updated percentage numbers based on 2023 peak load data.	3/28/24

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