

Case description and summary

The 2020 base cases used in the CTPG 2009 Study were derived from an approved WECC 2019 Heavy Summer base case. To simulate the various scenarios, each participating California utility provided the forecasted one-in-two-year and one-in-10-year annual peak load forecasts, disaggregated across the individual load buses with the utility's distribution service area, with applicable energy efficiency and demand response assumptions embedded in the forecast.

The following three base cases were developed and studied:

- Case A: 2020 Northern California adverse (one-in-10-year) weather case¹
- Case B: 2020 Southern California adverse (one-in-10-year) weather case²
- Case C: 2020 Whole California normal (one-in-two-year) peak weather case

The following tables depicted some pertinent (preliminary) information on the A, B, and C base cases:

Base Case A0

Loads		Major Path Flows		Generation in California	
Area	MW	Path	MW	Area	MW
SDG&E	4,913	COI	4801	SDG&E	2929
LADWP*	6,293	15	-860	LADWP*	5050
IID	1,243	26	3700	IID	1589
SCE**	25,579	EOR	7081	SCE	14515
PG&E**	27,221	WOR	9358	PG&E	29,875
SMUD	3,634	PDCI	3094	SMUD	1,620
TID	700	IPP	1855	TID	415
Total	69,583			Total	55,993

*LADWP included Burbank and Glendale

** SCE and PG&E included other Munis

¹ Northern California loads were set at forecast 1-in-10 year load levels for year 2020. All other WECC loads was based on the load levels reflected in the starting point WECC powerflow case, adjusted for expected load growth to the year 2020.

² Southern California loads were set at forecast 1-in-10 year load levels for year 2020. All other WECC loads was based on the load levels reflected in the starting point WECC powerflow case, adjusted for expected load growth to the year 2020.

Base Case B0

Loads		Major Path Flows		Generation in California	
Area	MW	Path	MW	Name	MW
SDG&E	5374	COI	3,774	SDG&E	3,769
LADWP*	6,816	15	494	LADWP*	5543
IID	1280	26	1,961	IID	1,588
SCE**	27,540	EOR	5,078	SCE	20,716
PG&E**	26169	WOR	6,217	PG&E	27,484
SMUD	3,182	PDCI	2,996	SMUD	1,208
TID	683	IPP	1,789	TID	373
Total	71,044			Total	60,680

*LADWP included Burbank and Glendale

** SCE and PG&E included other Munis

Base Case C0

Loads		Major Path Flows		Generation in California	
Area	MW	Path	MW	Area	MW
SDG&E	4,913	COI	3,834	SDG&E	3,247
LADWP*	6,293	15	470	LADWP*	4,458
IID	1,246	26	2,014	IID	1,596
SCE**	25,573	EOR	3,666	SCE	17,737
PG&E**	26,168	WOR	6,199	PG&E	27,063
SMUD	3,182	PDCI	2,900	SMUD	1,495
TID	683	IPP	1,789	TID	371
Total	68,058			Total	55,967

*LADWP included Burbank and Glendale

** SCE and PG&E included other Munis