

2013/2014 ISO Reliability Assessment - Study Results

Study Area: **SCE East of Lugo - Summer Peak**

Thermal Overloads



ID	Overloaded Facility	Worst Contingency	Category	Category Description	Loading (%)			Potential Mitigation Solutions
					2015 Summer Peak	2018 Summer Peak	2023 Summer Peak	
EOL-SP-T-1	24086 LUGO - 500 26105 VICTORVL 500 - Ckt 1	Line HASSYAMP 500.0 to HDWSH _Line PALOVRDE 500.0 to COLRIVER	C	N-1-1	101%	<100%	<100%	Curtail WOR AND/OR curtail East of Pisgah generation after the first contingency. A transmission project approved in 2012-2013 ISO Transmission Plan mitigates this overload in later years.
EOL-SP-T-2	24086 LUGO - 500 26105 VICTORVL 500 - Ckt 1	Line HDWSH 500.0 to N.GILA _Line PALOVRDE 500.0 to COLRIVER	C	N-1-1	105%	<100%	<100%	Curtail WOR AND/OR curtail East of Pisgah generation after the first contingency. A transmission project approved in 2012-2013 ISO Transmission Plan mitigates this overload in later years.

San Onofre Nuclear Generation Station was retired on June 7, 2013 and therefore was removed from the base cases used for the 2013/14 ISO transmission planning process.

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Study Area: **SCE Eastern area - Summer Peak**



Single Contingency Load Drop

ID	Worst Contingency	Category	Category Description	Amount of Load Drop (MW)			Potential Mitigation Solutions
				Select..	Select..	Select..	

No single contingency resulted in total load drop of more than 250 MW.

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Study Area: **SCE East of Lugo - Summer Off-Peak & Summer Light Load**



Single Contingency Load Drop

ID	Worst Contingency	Category	Category Description	Amount of Load Drop (MW)			Potential Mitigation Solutions
				Select..	Select..	Select..	

No single contingency resulted in total load drop of more than 250 MW.

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Single Source Substation with more than 100 MW Load



ID	Substation	Load Served (MW)			Potential Mitigation Solutions
		Select..	Select..	Select..	

No single source substation with more than 100 MW Load

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Single Source Substation with more than 100 MW Load

ID	Substation	Load Served (MW)			Potential Mitigation Solutions
		Select..	Select..	Select..	

No single source substation with more than 100 MW Load