

Table 6 – GI-2007-12 Summary Listing of Worst Case Overloaded Facilities¹ (Category C Contingencies)

				Branch Contingency Loading Without GI-2007-12		Branch Contingency Loading With GI-2007-12			
Monitored Facility (Line or Transformer)	Type	Line Owner	Branch Rating MVA (Norm/Emer)	Cat C Flow in MVA (Current Equiv*)	Cat C Flow in % Current Equiv of Normal/Emer Rating	Cat C Flow in MVA (Current Equiv*)	Cat C Flow in % Current Equiv of Normal/Emer Rating	% Change	NERC Category C Contingency Outage
Daniels Park – Jackson Fuller 230 kV	LN	PSCo	478 / 478	384.8	80.5 / 80.5	498.1	104.2 / 104.2	23.7 / 23.7	<u>Double-Circuit Tower</u> Comanche – Daniels Park 345 kV 1 & 2
Monument – Palmer Lake 115 kV	LN	PSCo / CSU	120 / 120	113.7	94.7 / 94.7	162.0	135.0 / 135.0	40.3 / 40.3	<u>Double-Circuit Tower</u> Midway – Waterton 345 kV Daniels Park – Jackson Fuller 230 kV
Monument – Palmer Lake 115 kV	LN	PSCo / CSU	120 / 120	118.8	99.0 / 99.0	146.3	121.9 / 121.9	22.9 / 22.9	<u>Double-Circuit Tower</u> Comanche – Daniels Park 345 kV 1 & 2
Briar Gate – Cottonwood S 115 kV	LN	CSU	150 / 192	153.0	102.0 / 79.7	170.0	113.4 / 88.6	11.4 / 8.9	<u>Bus Fault</u> Cottonwood 115 kV N bus
Cottonwood N – Kettle Creek 115 kV	LN	CSU	162 / 180	145.6	89.9 / 80.9	165.3	102.1 / 91.9	12.2 / 11.0	<u>Bus Fault</u> Cottonwood 115 kV S bus
Kettle Creek – Flying Horse 115 kV	LN	CSU	162 / 180	133.6	82.5 / 74.2	183.4	113.2 / 101.9	30.7 / 27.7	<u>Double-Circuit Tower</u> Midway – Waterton 345 kV Daniels Park – Jackson Fuller 230 kV
Kettle Creek – Flying Horse 115 kV	LN	CSU	162 / 180	135.4	83.6 / 75.2	163.5	100.9 / 90.8	17.3 / 15.6	<u>Double-Circuit Tower</u> Comanche – Daniels Park 345 kV 1 & 2
Monument – Flying Horse 115 kV	LN	CSU	142 / 156	123.7	87.1 / 79.3	173.4	122.1 / 111.2	35.0 / 31.9	<u>Double-Circuit Tower</u> Midway – Waterton 345 kV Daniels Park – Jackson Fuller 230 kV
Monument – Flying Horse 115 kV	LN	CSU	142 / 156	135.6	95.5 / 86.9	135.7	95.5 / 87.0	0.0 / 0.1	<u>Breaker Failure</u> Cottonwood 115 kV Tie Breaker
Jackson Fuller 230/115 kV T1 (Informational)	TR	TSGT	100 / 100	110.8	110.8 / 110.8	128.1	128.1 / 128.1	17.3 / 17.3	<u>Breaker Failure</u> Cottonwood 115 kV Tie Breaker

*Current-corrected flows for transmission lines only.

¹ Includes facilities with an Impact Factor of 2% or more of the proposed 249.9 MW generation.