

**2016 Risk Assessment Mitigation Phase
CUE Data Request - 1
Response Q9: Quantification of Alternatives**

Line No.	Risk Chapter	Alternative	O&M						Capital					
			Forecast Range (Directs, 2015 \$000)						Forecast Range (Directs, 2015 \$000)					
			2017 Low	2017 High	2018 Low	2018 High	2019 Low	2019 High	2017 Low	2017 High	2018 Low	2018 High	2019 Low	2019 High
1	SCG-10	Alternative 1 - Further Acceleration of Unprotected Steel Mains Work	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 476,100	\$ 687,700	\$ 494,100	\$ 713,700	\$ 512,100	\$ 739,700
2	SCG-11	Alternative 1 - 6-Year Storage Integrity Management Program (SIMP) Baseline	5,108	7,379	1,350	1,950	1,350	1,950	21,845	31,554	21,845	31,554	21,845	31,554
3	SCG-11	Alternative 2 - Abandon Additional Wells	-	-	-	-	-	-	48,600	70,200	48,600	70,200	48,600	70,200
4	SDG&E-1	Alternative 2 - Undergrounding the Fire Threat Zone (FTZ)	A high level estimate of \$4 to \$10 billion was developed for this alternative. This is a rough examination. As such, this estimate represents a total number; it was not split into O&M and capital or provided by year. These costs and the timing of implementing such an alternative can vary greatly due to environmental aspects and issues encountered, including obtaining timely permits.											