[2] Risk Summary - Tab in Excel File

Summary tab to enumerate risk characteristics, pre-mitigated risk scores, mitigations, and tranches

Field Name	Field Description	Field Value Constraints
Risk Name	Name of Risk (e.g., MP Gas, Wildfire, EII)	Alphanumeric
Risk Brief Description	Short description	Alphanumeric
RAMP Risk Chapter	RAMP chapter in which Risk is discussed	Alphanumeric
Safety Risk Score – Natural Units	Natural Units Safety Risk Score (Annualized, EV)	Numeric (,)
Safety Risk Score – Monetized	$-converted Safety Risk Score (Annualized, EV)	Numeric ($)
Safety Risk Ranking	Safety Risk Ranking	Numeric (,)
Safety Top 40%?	Y/N indicator as to whether Risk ranked in the top 40% of ERR	Binary (Y/N)
CoRE Attributes	Y/N inclusion of Safety, Elec. Reliability, Gas Reliability, Financial attributes	Binary (Y/N)
Pre-Mitigated Risk Score – EV	Pre-mitigated LoRE x CoRE risk score @ Expected Value (from 2a.1)	Numeric ($)
Pre-Mitigated Risk Score – TR	Pre-mitigated LoRE x CoRE risk score @ Tail Value (from 2a.2)	Numeric ($)
# of Mitigations	Number of Mitigations included in the RAMP filing for this Risk	Numeric (,)
Total Mitigation Cost	Total, undiscounted capex + O&M cost of mitigations for 2028-31 (from 3a.)	Numeric ($)
# of Tranches	Number of Tranches derived for this Risk	Numeric (,)

[2a.1] Expected Value (Risk Level) - Tab in Excel File
Expected value calculations for safety, reliability, and financial attributes by risk level

Field Name	Field Description	Field Value Constraints
Risk Name	Name of Risk (e.g., MP Gas, Wildfire, EII)	Alphanumeric
Pre-Mit. LoRE	Annual frequency (events/year) or likelihood (% per year) of risk event (LoRE)	Numeric
Pre-Mit. LoRE Data Sources	Basis of determining pre-mitigated LoRE	Alphanumeric
Pre-Mit. CoRE – EV Safety (NU)	Annual Safety CoRE in Natural Units (EF) @ Exp. Value	Numeric (,)
Pre-Mit. CoRE – EV Safety ($)	Annual Safety CoRE monetized @ Exp. Value	Numeric ($)
Pre-Mit. CoRE – EV Elec. Rel. (NU)	Annual Elec. Reliab. CoRE in Natural Units (CMI) @ Exp. Value	Numeric (,)
Pre-Mit. CoRE – EV Elec. Rel. ($)	Annual Elec. Reliab. CoRE monetized @ Expected Value	Numeric ($)
Pre-Mit. CoRE – EV Gas Rel. (NU)	Annual Gas Reliab. CoRE in Natural Units (Meters Out) @ Exp Value	Numeric (,)
Pre-Mit. CoRE – EV Gas Rel ($)	Annual Gas Reliability CoRE monetized @ Exp. Value	Numeric ($)
Pre-Mit. CoRE – EV Financial ($)	Annual Financial CoRE monetized @ Exp. Value	Numeric ($)
Risk Total Pre-Mitigated CoRE – EV	Annualized sum of CoRE attributes @ Exp. Value	Numeric ($)
Risk Pre-Mitigated Risk Score – EV	LoRE x CoRE @ Exp. Value	Numeric ($)

[2a.2] Tail Risk (Risk Level) - Tab in Excel File

Tail risk calculations for safety, reliability, and financial attributes by risk level

Field Name	Field Description	Field Value Constraints
Risk Name	Name of Risk (e.g., MP Gas, Wildfire, EII)	Alphanumeric
Pre-Mit. LoRE	Annual frequency (events/year) or likelihood (% per year) of risk event (LoRE)	Numeric
Pre-Mit. LoRE Data Sources	Basis of determining pre-mitigated LoRE	Alphanumeric
Pre-Mit. CoRE – EV Safety (NU)	Annual Safety CoRE in Natural Units (EF) @ Tail Risk	Numeric (,)
Pre-Mit. CoRE – TR Safety ($)	Annual Safety CoRE monetized @ Tail Risk	Numeric ($)
Pre-Mit. CoRE – TR Elec. Rel. (NU)	Annual Elec. Reliab. CoRE in Natural Units (CMI) @ Tail Risk	Numeric (,)
Pre-Mit. CoRE – TR Elec. Rel. ($)	Annual Elec. Reliab. CoRE monetized @ Tail Risk	Numeric ($)
Pre-Mit. CoRE – TR Gas Rel. (NU)	Annual Gas Reliab. CoRE in Natural Units (Meters Out) @ Tail Risk	Numeric (,)
Pre-Mit. CoRE – TR Gas Rel ($)	Annual Gas Reliability CoRE monetized @ Tail Risk	Numeric ($)
Pre-Mit. CoRE – TR Financial ($)	Annual Financial CoRE monetized @ Tail Risk	Numeric ($)
Risk Total Pre-Mitigated CoRE – TR	Annualized sum of CoRE attributes @ Tail Risk	Numeric ($)
Risk Pre-Mitigated Risk Score – TR	LoRE x CoRE @ Tail Risk	Numeric ($)

[3] Mitigation Summary - Tab in Excel File

Mitigation summary view to quantify BCR calculations by expected value, tail risk, and discount rates

Field Name	Field Description	Field Value Constraints
Risk Name	Name of Risk (e.g., MP Gas, Wildfire, EII)	Alphanumeric
RAMP Risk (Chapter)	Reference back to root RAMP Risk	Alphanumeric
Mitigation ID	Identifier (e.g., EII-xxx-Mitigation 017)	Alphanumeric
Mitigation Name	Basic Name for mitigation (e.g., Tee Modernization	Alphanumeric
Mitigation Description	Brief description of mitigation	Alphanumeric
Mitigation Life Expectancy	Life expectancy of the mitigation, in years	Numeric (,)
Mitigation Total Cost (TY+3PTY)	Total Capex + O&M for the mitigation for 2028-31, undiscounted (per 3a)	Numeric ($)
Mitigation Benefits – Exp. Value	Annualized benefit (risk reduction) @ Exp. Value undiscounted (per 3c.1)	Numeric ($)
Mitigation Risk-Level BCR – EV (D1)	Mitigation BCR at risk level @ Exp. Value for discount rate 1	Numeric (,)
Mitigation Risk-Level BCR – EV (D2)	Mitigation BCR at risk level @ Exp. Value for discount rate 2	Numeric (,)
Mitigation Risk-Level BCR – EV (D3)	Mitigation BCR at risk level @ Exp. Value for discount rate 3	Numeric (,)
Mitigation Benefits – Tail Risk	Annualized benefit (risk reduction) @ Tail Risk undiscounted (per 3c.2)	Numeric ($)
Mitigation Risk-Level BCR – TR (D1)	Mitigation BCR at risk level @ Tail Risk for discount rate 1	Numeric (,)
Mitigation Risk-Level BCR – TR (D2)	Mitigation BCR at risk level @ Tail Risk for discount rate 2	Numeric (,)
Mitigation Risk-Level BCR – TR (D3)	Mitigation BCR at risk level @ Tail Risk for discount rate 3	Numeric (,)

[3a] Cost (Mitigation Level) - Tab in Excel File
Summary of mitigation capital and operating costs for each year by mitigation level

Field Name	Field Description	Field Value Constraints
Risk Name	Name of Risk (e.g., MP Gas, Wildfire, EII)	Alphanumeric
Mitigation ID	Identifier (e.g., EII-xxx-Mitigation 017)	Alphanumeric
Mitigation Capital Investment – TY	Test Year (2028) capex included for the mitigation, undiscounted	Numeric ($) GRID
Mitigation Capital Investment – PTY 1	Post-Test Year 1(2029) capex included for the mitigation, undiscounted	Numeric ($) GRID
Mitigation Capital Investment – PTY 2	Post-Test Year 2 (2030) capex included for the mitigation, undiscounted	Numeric ($) GRID
Mitigation Capital Investment – PTY 3	Post-Test Year 3 (2031) capex included for the mitigation, undiscounted	Numeric ($) GRID
Total Mitigation Capital Investment	Sum of TY and 3 PTY capex included for the mitigation, undiscounted	Numeric ($) GRID
Mitigation O&M – TY	Test Year (2028) O&M included for the mitigation, undiscounted	Numeric ($) GRID
Mitigation O&M – PTY 1	Post-Test Year 1(2029) O&M included for the mitigation, undiscounted	Numeric ($) GRID
Mitigation O&M – PTY 2	Post-Test Year 2 (2030) O&M included for the mitigation, undiscounted	Numeric ($) GRID
Mitigation O&M – PTY 3	Post-Test Year 3 (2031) O&M included for the mitigation, undiscounted	Numeric ($) GRID
Total Mitigation O&M	Sum of TY and 3 PTY O&M included for the mitigation, undiscounted	Numeric ($) GRID
Mitigation Total Cost – TY	Test Year (2028) total cost included for the mitigation, undiscounted	Numeric ($) GRID
Mitigation Total Cost – PTY 1	Post-Test Year 1(2029) total cost included for the mitigation, undiscounted	Numeric ($) GRID
Mitigation Total Cost – PTY 2	Post-Test Year 2 (2030) total cost included for the mitigation, undiscounted	Numeric ($) GRID
Mitigation Total Cost – PTY 3	Post-Test Year 3(2031) total cost included for the mitigation, undiscounted	Numeric ($) GRID
Total Mitigation Cost	Sum of TY and 3PTY total cost included for the mitigation, undiscounted	Numeric ($) GRID

[3c.1] Benefits (Mitigation Level) Expected Value - Tab in Excel File
Summary of mitigation benefits at expected value for safety, reliability, and financial attributes by mitigation level

Field Name	Field Description	Field Value Constraints
Risk Name	Name of Risk (e.g., MP Gas, Wildfire, EII)	Alphanumeric
Mitigation ID	Identifier (e.g., EII-xxx-Mitigation 017)	Alphanumeric
Mit. Effect. – LoRE	Mitigation risk reduction in terms of reducing LoRE	Numeric
Mit. Effect. – LoRE Basis	Basis/Data sources used in estimating mitigation's LoRE reduction	Alphanumeric
Mit. Effect. – Safety CoRE EV	Mitigation's risk reduction in terms of reducing EV Safety CoRE	Numeric
Mit. Effect. – Safety Basis	Basis/Data sources used in estimating mitigation's Safety CoRE reduction	Alphanumeric
Mit. Effect. – Elec. Rel CoRE EV	Mitigation's risk reduction in terms of reducing EV Elec. Rel. CoRE	Numeric
Mit. Effect. – Elec. Rel. Basis	Basis/Data sources used in estimating mitigation's Elec. Rel. CoRE reduction	Alphanumeric
Mit. Effect. – Gas Rel. CoRE EV	Mitigation's risk reduction in terms of reducing EV Gas Rel. CoRE	Numeric
Mit. Effect. – Gas Rel. Basis	Basis/Data sources used in estimating mitigation's Gas Rel. CoRE reduction	Alphanumeric
Mit. Effect/ – Financial CoRE EV	Mitigation's risk reduction in terms of reducing EV Financial CoRE	Numeric
Mit. Effect. – Financial Basis	Basis/Data sources used in estimating mitigation's Financial CoRE reduction	Alphanumeric
Mit. EV Benefits TY (2028)–UD	Test Year (2028) total EV risk reduction, undiscounted	Numeric ($)
Mit. EV Benefits PTY 1 (2029)–UD	Post-TY 1 (2029) total EV risk reduction, undiscounted	Numeric ($)
Mit. EV Benefits PTY 2 (2030)–UD	Post-TY 2 (2030) total EV risk reduction, undiscounted	Numeric ($)
Mit. EV Benefits PTY 3 (2031)–UD	Post-TY 3 (2031) total EV risk reduction, undiscounted	Numeric ($)
Mit. EV Benefits > PTY 3–UD	Annual, total EV risk reduction/year > 2031, undiscounted	Numeric ($)
Lifetime Mit EV Benefits	Sum of mitigation EV risk reduction for life of mitigation	Numeric ($)

[3c.2] Benefits (Mitigation Level) Tail Risk - Tab in Excel File

Summary of mitigation benefits at tail risk for safety, reliability, and financial attributes by mitigation lvl

Field Name	Field Description	Field Value Constraints
Risk Name	Name of Risk (e.g., MP Gas, Wildfire, EII)	Alphanumeric
Mitigation ID	Identifier (e.g., EII-xxx-Mitigation 017)	Alphanumeric
Mit. Effect. – LoRE	Mitigation risk reduction in terms of reducing LoRE	Numeric
Mit. Effect. – LoRE Basis	Basis/Data sources used in estimating mitigation's LoRE reduction	Alphanumeric
Mit. Effect. – Safety CoRE TR	Mitigation's risk reduction in terms of reducing TR Safety CoRE	Numeric
Mit. Effect. – Safety Basis	Basis/Data sources used in estimating mitigation's Safety CoRE reduction	Alphanumeric
Mit. Effect. – Elec. Rel CoRE TR	Mitigation's risk reduction in terms of reducing TR Elec. Rel. CoRE	Numeric
Mit. Effect. – Elec. Rel. Basis	Basis/Data sources used in estimating mitigation's Elec. Rel. CoRE reduction	Alphanumeric
Mit. Effect. – Gas Rel. CoRE TR	Mitigation's risk reduction in terms of reducing TR Gas Rel. CoRE	Numeric
Mit. Effect. – Gas Rel. Basis	Basis/Data sources used in estimating mitigation's Gas Rel. CoRE reduction	Alphanumeric
Mit. Effect/ – Financial CoRE TR	Mitigation's risk reduction in terms of reducing TR Financial CoRE	Numeric
Mit. Effect. – Financial Basis	Basis/Data sources used in estimating mitigation's Financial CoRE reduction	Alphanumeric
Mit. TR Benefits TY (2028)–UD	Test Year (2028) total Tail Risk reduction, undiscounted	Numeric ($)
Mit. TR Benefits PTY 1 (2029)–UD	Post-TY 1 (2029) total Tail Risk reduction, undiscounted	Numeric ($)
Mit. TR Benefits PTY 2 (2030)–UD	Post-TY 2 (2030) total Tail Risk reduction, undiscounted	Numeric ($)
Mit. TR Benefits PTY 3 (2031)–UD	Post-TY 3 (2031) total Tail Risk reduction, undiscounted	Numeric ($)
Mit. TR Benefits > PTY 3–UD	Annual, total Tail Risk reduction/year > 2031, undiscounted	Numeric ($)
Lifetime Mit EV Benefits	Sum of mitigation EV risk reduction of mitigation life	Numeric ($)

[4b.1] Mitigation Level BCR Test Year 2028- Tab in Excel File
Mitigation costs and benefits for test year utilizing various discount rates

Field Name	Field Description	Field Value Constraints
Mitigation ID	Identifier (e.g., EII-xxx-Mitigation 017)	Alphanumeric
TY 2028 Mitigation Cost-UD	Total mitigation cost, undiscounted (from 3a.)	Numeric ($)
TY 2028 Mitigation Cost-DIS	Present-value total mitigation cost (discounted per 1b.)	Numeric ($)
TY 2028 Mit. EV Benefits-UD	Mitigation lifetime EV risk reduction, undiscounted from 3c.1	Numeric ($)
TY 2028 Mit. EV Benefits-DIS1	Present-value mitigation EV lifetime risk reduction (discounted by Factor 1)	Numeric ($)
Mitigation EV TY 2028 BCR-DIS1	Mitigation lifetime BCR at EV applying Discount Factor 1	Numeric (,)
TY 2028 Mit. EV Benefits-DIS2	Present-value mitigation EV lifetime risk reduction (discounted by Factor 2)	Numeric ($)
Mitigation EV TY 2028 BCR-DIS2	Mitigation lifetime BCR at EV applying Discount Factor 2	Numeric (,)
TY 2028 Mit. EV Benefits-DIS3	Present-value mitigation EV lifetime risk reduction (discounted by Factor 3)	Numeric ($)
Mitigation EV TY 2028 BCR-DIS3	Mitigation lifetime BCR at EV applying Discount Factor 3	Numeric (,)