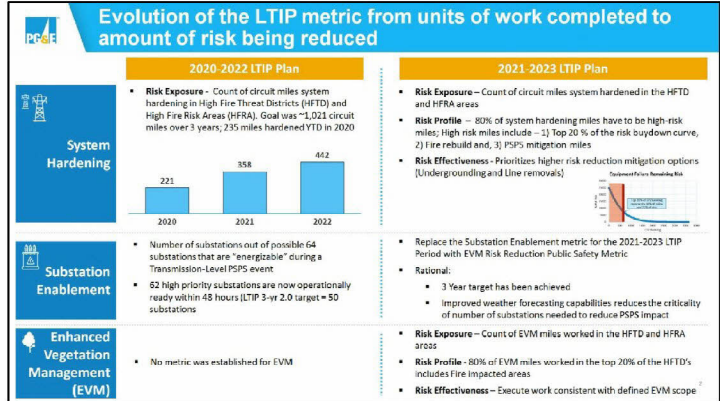


**Public Safety
Long Term Incentive Plan (LTIP)
Target Setting**

November 15, 2020



Together, Building
a Better California



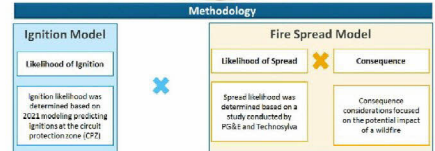
Risk Model and Risk Quantification

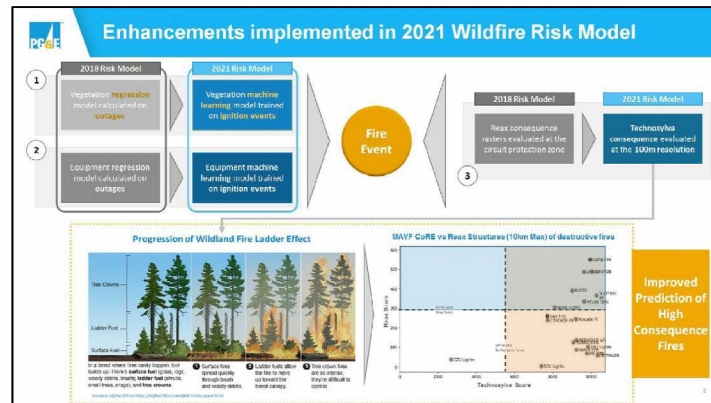
Wildfire Risk Models calculates risk units in CPUC framework

- | LoRE | CoRE |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> The likelihood of a risk event (LoRE) is the relative frequency of a specific risk event occurring. In the case of wildfire risk, this is the relative likelihood of an ignition occurring. | <ul style="list-style-type: none"> The consequence of a risk event (CoRE) is the average impact of the risk should it materialize across key outcomes (Safety, Reliability, Financial). In the case of wildfire risk, consequence contains serious injuries, fatalities, property damage, and impacts to reliability. |

Risk = LoRE X CoRE

- Risk is the product of the likelihood and consequence of a risk event.
- This method produces an expected value of impact across the consequence outcomes, and when combined results in a multi-attribute score that can inform risk-based decision making.

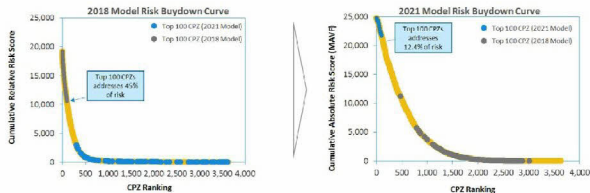






Risk models provide risk buydown curves to guide workplan

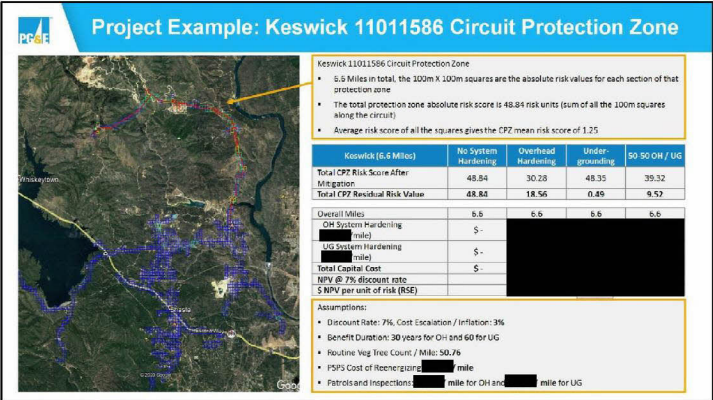
The risk buydown curve shows the amount of risk that can be addressed with every subsequent mile or CPZ that is mitigated. This view shows the relative magnitude of potential projects and can compare impacts of programs with varied effectiveness. The visualization helps to highlight the consolidation of risk by mile as you move down the prioritization list.

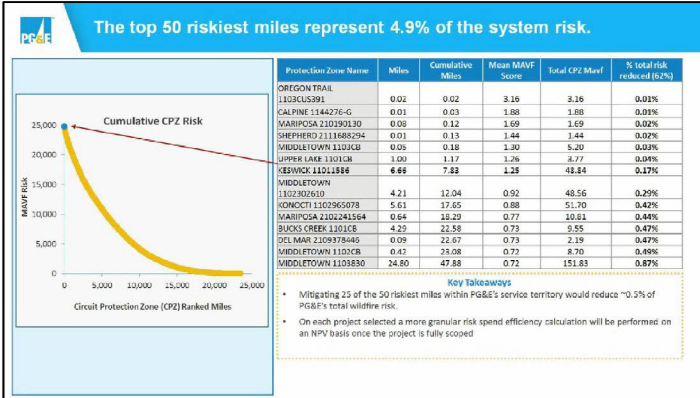


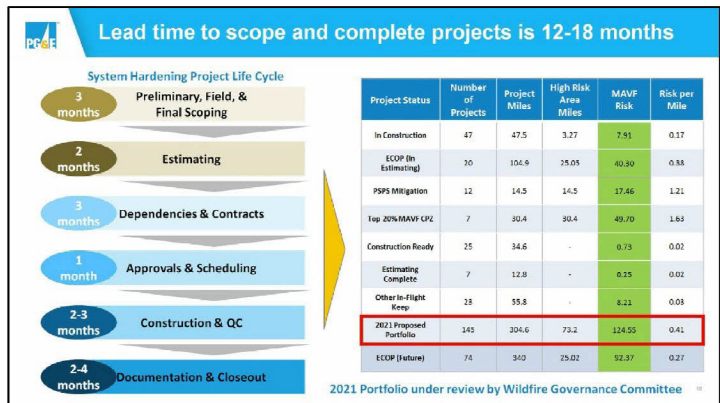
System Hardening Risk Buydown curves highlight the significant shift of where the top 100 CPZ's are between the two models

Project Example

1/1/2024







Target Setting

11/20/2024

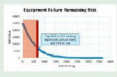
System Hardening

Conditions

Condition 1: 80% of system hardening miles have to be high-risk miles or LTIP is 0

Risk Profile (High Risk Miles defined as)

1. Top 20% of risk buydown curve
2. Fire rebuild miles
3. PSPS mitigation miles



Condition 2: Set minimum percentage of miles mitigated with either Line Removal or Undergrounding or LTIP is 0

Risk Effectiveness

- 5%, 10% and 15% of Undergrounding work in the System Hardening project portfolio in 2021, 2022 and 2023, respectively

Risk Exposure

- Count of circuit miles system hardened in the HFTD and HFRA areas

System Hardening Targets (Risk Miles)

	LTIP 0.5	LTIP 1.0	LTIP 2.0
2021	305	320	350
2022	350	368	403
2023	396	416	455
2021-2023	1,051	1,103	1,209

1. Basis of the 80% is to allow for operational execution considerations including permitting, weather related access, and mob/demob efficiencies

2. Basis of the top 20% correlates to ~70% of the risk on the risk buydown curve

Enhanced Vegetation Management (EVM)

Conditions

Condition 1: 80% of EVM miles have to be high-risk miles or LTIP is 0

Risk Profile (High Risk Miles defined as)

- Top 20% of risk model buydown curve
- Fire impacted miles

Risk Effectiveness

- Execute work consistent with defined EVM scope
 - Achieve 2.2' recommended radial clearance
 - Assess shrub potential trees including high-risk species
 - Remove overhangs above and within 4 feet of power lines
 - Mitigate vegetative fuels under and adjacent to powerlines on targeted basis

Risk Exposure

- Count of EVM miles worked in the HFTD and HFRA areas

EVM Targets (Risk Miles)

	LTIP 0.5	LTIP 1.0	LTIP 2.0
2021	1,800	1,890	2,070
2022	1,800	1,890	2,070
2023	1,800	1,890	2,070
2021-2023	5,400	5,670	6,210

1. Basis of the 80% is to allow for operational execution considerations including permitting, weather related access and, customer approvals
 2. Basis of the top 20% correlates to ~85% of true risk on the risk buydown curve

The LTIP targets for system hardening are set based on 2021 risk area miles and program funding assumptions

Program Funding

Forecast of [redacted] Wildfire Mitigation capital spend (bulk of which is System Hardening) in 2021 consistent with the Settlement for the 2020-2022 GRC. 2022 forecast escalates 2021 by 15% and 2023 forecast escalates 2021 by 30%.

Unit Costs

Assumes [redacted] per circuit miles of Overhead S11 work and [redacted] for Underground work.

Program Duration

Execution of the 13-year plan focusing on top 20% circuit protection zones by 2032.

System Hardening LTIP Targets

	LTIP 0.5	LTIP 1.0	LTIP 2.0
2021	305	320	350
2022	350	368	403
2023	386	416	455
2021-2023	1,051	1,103	1,209

Targets are miles of system hardening work for specific risk-prioritized work.

- The total mileage of the proposed 2021 Project Portfolio was set as the threshold goal (LTIP 0.5) for 2021.
- LTIP 0.5 goals in 2022 and 2023 reflect escalation of program funding level.
- The target and stretch goals (LTIP 1.0, 2.0) were set as 5% and 15% higher, respectively.

[redacted] includes other capital mitigation work as well as scoping and engineering for future system hardening projects beyond 2021.

The LTIP targets for EVM are set based on work to be completed over the remaining ten years of the program

- Program Duration**
- Assumes execution of the 12-year Enhanced Vegetation management Plan (2021-2032)
 - Forecasting viability of 10-year pace (2021-2030)
- Program Funding**
- Forecast of [redacted] spend on EVM program in 2021, 2022 and 2023 respectively (in alignment with POR)
 - 10-year pace will result in incremental forecast of [redacted] per year
- Unit Costs**
- Assumes [redacted] per miles of EVM work

Enhanced Vegetation Management LTIP Targets

	LTIP 0.5	LTIP 1.0	LTIP 2.0
2021	1,800	1,890	2,070
2022	1,800	1,890	2,070
2023	1,800	1,890	2,070
2021-2023	5,400	5,670	6,210

Targets are miles of EVM work for specific risk-prioritized work.

- The total mileage of the proposed 2021 Project Portfolio was set as the threshold goal (LTIP 0.5) for 2021
- The target and stretch goals (LTIP 1.0, 2.0) were set as 5% and 15% higher, respectively