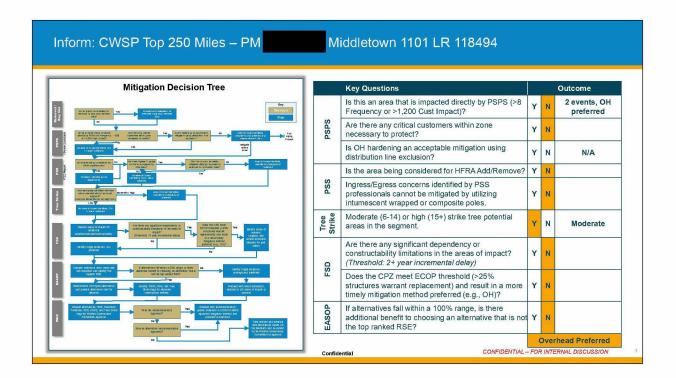
Wildfire Risk Governance Committee System Hardening Project Approvals

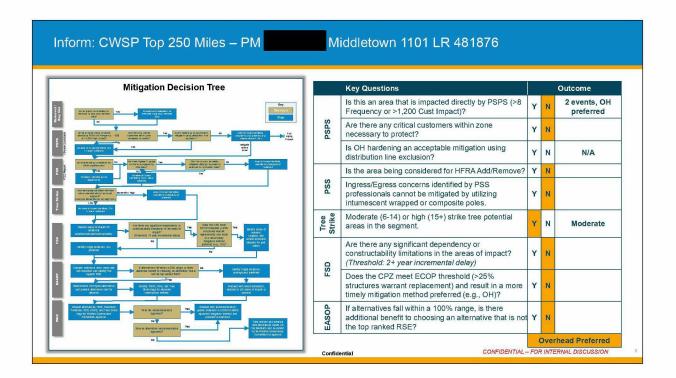
February 2, 2021

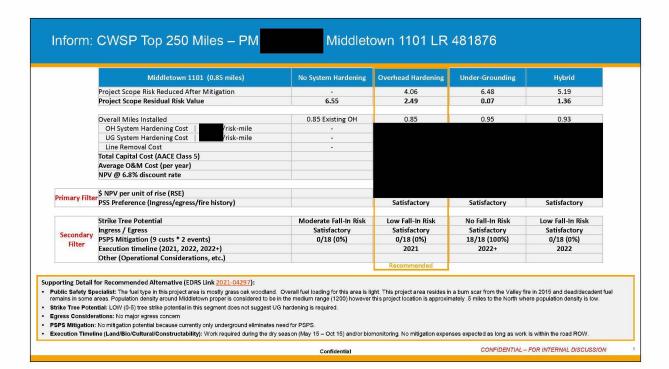
CONFIDENTIAL - FOR INTERNAL DISCUSSION

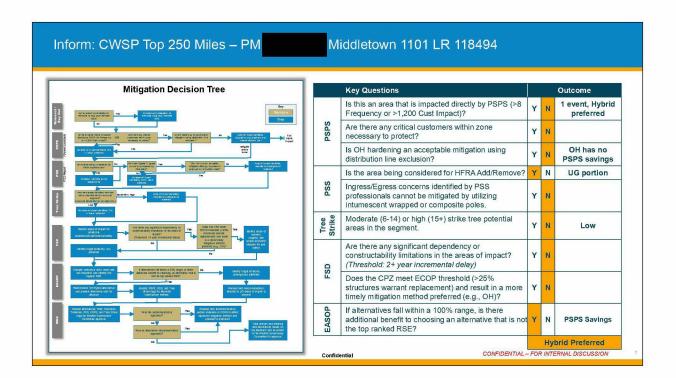
	The f	ollowing 3 proje	cts have recomi	mended mitigati	ons:	
Order No.	CPZ	Work Bucket	Total MAVF Core Risk Value	Mean MAVF Core Risk Rank	Recommendation	WGC Request
WGC Deci	sion					
						Decision
						Decision
						Decision
Order No.	CPZ	Work Bucket	Total MAVF Core Risk Value	Mean MAVF Core Risk Rank	Recommendation	WGC Request
WGC Infor	<u>m</u>					
	Middletown 1101118494	CWSP Top 250	6.97	23	Overhead (1.15 mi)	Inform
	Middletown 1101481876	CWSP Top 250	6.55	38	Overhead (0.85 mi)	Inform
	Potter Valley PH 1105 LR 64118	CWSP Top 250	44.7	43	Hybrid: OH - 1.68 mi UG - 0.15 mi	Inform



Inform: CWSP Top 250 Miles – PM Middletown 1101 LR 118494 Overhead Hardening No System Hardening Project Scope Risk Reduced After Mitigation 4 32 6.90 5.50 6.97 Project Scope Residual Risk Value 2.65 0.07 1.47 Overall Miles Installed 1.15 Existing OH 1.15 1.60 1.33 OH System Hardening Cost UG System Hardening Cost /risk-mile Line Removal Cost Total Capital Cost (AACE Class 5) Average O&M Cost (per year) NPV @ 6.8% discount rate Primary \$ NPV per unit of rise (RSE) Filter PSS Preference (Ingress/egress/fire history) Satisfactory Satisfactory Satisfactory High Fall-In Risk Moderate Fall-In Risk No Fall-In Risk Strike Tree Potential Low Fall-In Risk Secondary Filter PSPS Mitigation (15 custs * 2 events) Execution timeline (2021, 2022, 2022+) Satisfactory Satisfactory Satisfactory Satisfactory 30/30 (100%) 2022+ 0/30 (0%) 0/30 (0%) 0/30 (0%) Other (Operational Considerations, etc.) Preferred Not Preferred Not Preferred Supporting Detail for Recommended Alternative (EDRS Link 2021-04412): Public Safety Specialist: The fuel type in this project area is mostly grass oak woodland with some brush and grey pine near the substation and around a couple residences nearby. Overall fuel loading for this area range from light to medium. This project area resides in a burn scar from the Valley fire in 2015 and dead/decadent fuel remains in some areas. Population density around Middletown proper is considered to be in the medium range (1200) however the actual project coation is just East of Middletown about 2 miles. Strike Tree Potential: Moderate (5-15) tree strike potential in this segment does not suggest UG hardening is required. Egress Considerations: No major egress concern PSPS Mittigation: No mitigation potential because currently only underground eliminates need for PSPS • Execution Timeline (Land/Bio/Cultural/Constructability): Work required during the dry season (May 15 – Oct 15) and/or biomonitoring. No mitigation expenses expected as long as work is within the road ROW. • Other (Operational Considerations, etc.): Hybrid & UG alternatives will require numerous boxes and sub-structures due to narrow roadway. Hybrid & UG alternatives also not preferred due to history of difficulty working with customer who owns property in much of job boundaries.







Inform: CWSP Top 250 Miles – PM Potter Valley PH 1105 LR 64118 Potter Valley PH 1105 (1.8 miles) Under-Grounding 44.26 29.08 Project Scope Risk Reduced After Mitigation 27.72 Project Scope Residual Risk Value 1.80 1.90 1.83 1.80 Existing OH Overall Miles Installed OH System Hardening Cost UG System Hardening Cost /risk-mile Line Removal Cost Total Capital Cost (AACE Class 5) Average O&M Cost (per year) NPV @ 6.8% discount rate Primary Filter PSS Preference (Ingress/egress/fire history) Satisfactory Satisfactory Satisfactory Satisfactory Strike Tree Potential Low Fall-In Risk Low Fall-In Risk No Fall-In Risk Low Fall-In Risk Satisfactory 679/679 (100%) Secondary Filter Ingress / Egress PSPS Mitigation (679 custs * 1 event) Satisfactory 664/679 (98%) Satisfactory Satisfactory 0/679 (0%) 0/679 (0%) Execution timeline (2021, 2022, 2022+) 2021 2022+ 2022 Other (Operational Considerations, etc.) Supporting Detail for Recommended Alternative (EDRS Link 2021-03822): • Public Safety Specialist: The fuel type in the project area is predominantly grass/oak woodland with some pockets of brush and scattered conifer that border agricultural land in the Valley. Population Density around the community of Potter Valley is considered to be moderate at 650. Strike Tree Potential: 59 potential strike trees. LOW (0-5) tree strike potential in this segment does not suggest UG hardening is required. strike Iree Potential: Supporting similar trees. LOW (US) the strike potential in this segment does not suggest Us hardering is required. Egress Considerations: No major gress concorned PSPS Mitigation: No mitigation potential due to limited scope of this herdering project, no critical / essential customers in this segment. Execution Timeline (Land/Bio/Cultural/Constructability): Stock ponds with potential suitable habitat for incolored alloarie found within this project vicinity. Recommend, July - March, Also Northern Spotted OW habitat is located in the northernmost portion of the project signment. If work is to occur during the March 1to July 15, a Bio lad survey should be expected. As o multiple weterways potentially needing permitting. Two cultural ESAs have been identified within project footpmit. Archaeological monitoring and district PRNs will be eccessary. Extensive ground distributes is not recommended within the Cultural ESAs. The Project EFS shall be contacted 60 days prior to excavation to coordinate mitigating measures including soil sampling, analysis, and disposal advities.