Wildfire Safety Advisory Board Meeting December 4, 2024, 1:00 p.m.





Hybrid Meeting California Natural Resources Agency, Room 2-301 715 P Street, Sacramento, <u>CA 95814</u>

Participation Information



Using more than one participation option may create feedback

Please begin your comment by stating your name and organization

• Microsoft Teams: https://www.microsoft.com/en-us/microsoft-teams/join-a-meeting

Meeting ID: 236 964 415 626 | Passcode: DmuZLg

• **Phone:** 1 (469) 998-6045 US Toll-free | Conference ID: 958 411 187#

Participants will be placed on mute in "listen-only" mode until the public comment portion of the meeting. Once the public comment portions of the meeting begin, participants may dial #5 (pound/hashtag five) when they wish to speak to be placed in a queue. The hosting team will unmute callers in order of request.

- Email: Written comments may be emailed to WSAB@energysafety.ca.gov.
- **Technical Issues:** e-mail <u>WSAB@energysafety.ca.gov</u> or call Unique Coleman at 916-709-3079



Locating Meeting Materials

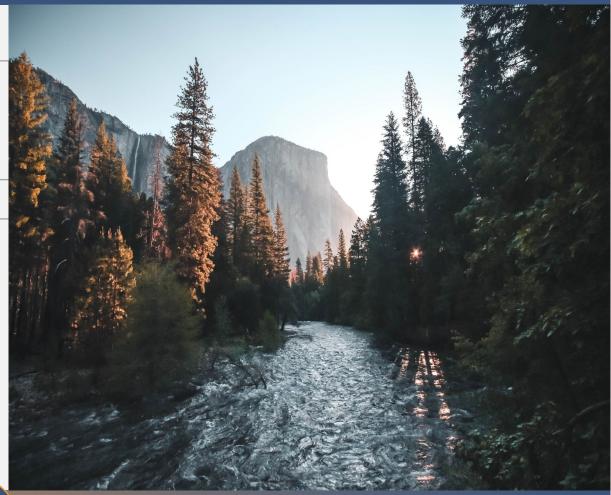


Meeting Materials Are Available at:

https://energysafety.ca.gov/what-we-do/wildfire-safety-advisory-board/wsab-events-and-meetings/

Public Comments Are Available at:

https://efiling.energysafety.ca.gov/EFiling/DocketInformation.aspx?docketnumber=2024-12-04-WSAB-BM



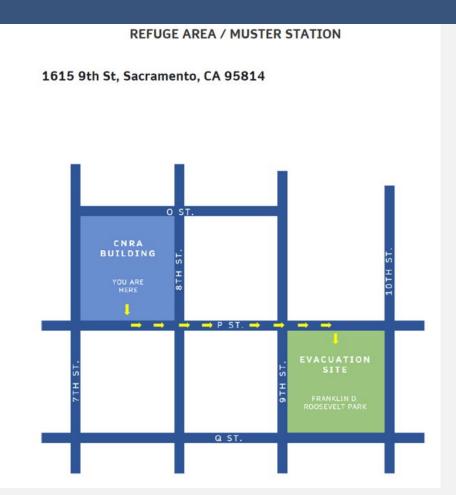
Safety Briefing



Emergency Building Evacuation

Proceed out the main building entrance and follow the route







1 - Call to Order and Roll Call



- Ralph Armstrong Jr.
- Jessica Block, Chair
- Marybel Batjer
- Tim Haines
- John Mader
- Chris Porter, Vice Chair
- Alexandra Syphard





Agenda

- 1) Welcome, Call to Order, and Roll Call
- 2) Office of Energy Infrastructure Safety Energy Safety Policy Division Update
- 3) Advisory Opinion for the 2025 Wildfire Mitigation Plans of Publicly Owned Utilities
- 4) By-Laws Update
- 5) Minutes from the June 5, 2024, September 4, 2024, and November 7, 2024 meetings
- 6) Staff Update
- 7) Agenda Items for Future Meetings
- 8) Public Comment on Matters Not Included on the Agenda
- 9) Adjournment



2 - Office of Energy Infrastructure Safety Energy Safety Policy Division Update





Dakota Smith
Supervisor, Electric Safety Policy Division
Office of Energy Infrastructure Safety
California Natural Resources Agency



WSAB – ELECTRICAL SAFETY POLICY DIVISION REMARKS

December 4, 2024





OVERVIEW

Providing ESPD updates since last WSAB meeting and work planned for the coming months across the following:

- Wildfire Mitigation Plans (WMP)
 - Evaluations and Guidelines
- Safety Culture Assessments (SCA)
- Executive Compensation
- Safety Certifications (SC)
- Risk Model Working Group (RMWG)



2025 WMP UPDATE EVALUATIONS

Group 1 (PG&E, SDG&E, SCE, BVES)

 Energy Safety published Decisions for all Group 1 electrical corporations' (ECs) WMPs in October and November

Group 2 (Liberty, PacifiCorp, LS Power, HWT, TBC)

- Reject and Resubmit Orders to Liberty, PacifiCorp, and LS Power in Aug/Sept
- Draft Decisions on HWT and TBC in October

DRAFT WMP GUIDELINES

- The Process & Evaluation, Technical Elements, and Petition to Amend Chapters (Package 1) were published on 11/12
- The Package 1 Workshop was held on 11/26
- Comments and input are currently being solicited
- The Independent Transmission Owner (ITO) Chapter and Maturity Model/Survey Guidelines (Package 2) are expected to be published in Mid-December

GUIDELINES NOTABLE CHANGES (1 OF 4)

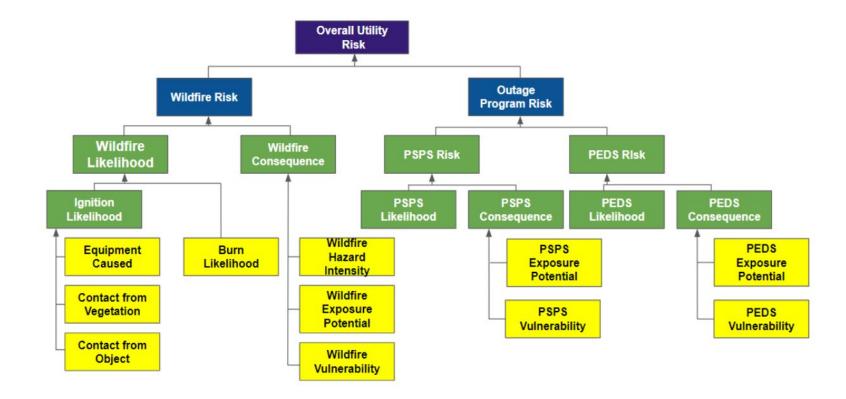
- Mitigation Initiative sections broken out into separate sections:
 - Grid Design, Operations, and Maintenance (Section 8)
 - Vegetation Management and Inspections (Section 9)
 - Situational Awareness and Forecasting (Section 10)
 - Emergency Preparation, Collaboration, and Public Awareness (Section 11)

Changes to Targets

- 'Objectives' now 'Qualitative Targets'
- 'Targets' now 'Quantitative Targets'
- Addition of a Master Target Table in each Mitigation Initiative section
- No longer requiring 10-year targets; focus on one- and three-year targets within the three-year cycle

GUIDELINES NOTABLE CHANGES (2 OF 4)

- Section 5: Risk Methodology and Assessment has updated risk framework and components
- Inclusion of **Protective Equipment and Device Settings** (PEDS) risk with **PSPS** Risk under Outage **Program Risk**



GUIDELINES NOTABLE CHANGES (3 OF 4)

- Section 6: Wildfire Mitigation Strategy Development has updated risk impact reporting
 - For each initiative activity, ECs must calculate the expected risk reduction of wildfire risk, outage program risk, and combined overall utility risk, including the cost benefit score

Table 6-3. Example of Risk Impact of Initiative Activities. 53

Initiative Activity	Initiative Activity Section#	Activity Effectiveness – Overall Risk	Activity Effectiveness - Wildfire Risk	Activity Effectiveness- Outage Program Risk	Cost-Benefit Score - Overall Risk	Cost-Benefit Score - Wildfire Risk	Cost-Benefit Score – Outage Program Risk	% HFRA Covered	Expected % Risk Reduction 52	Model(s) Used to Calculate Risk Impact
Covered Conductor Installation	8.2.1	70%	75%	65%	6.238	6.748	5.978	14.12%	9.1%	WRRM
Undergrounding	8.2.2	95%	92%	98%	7.452	7.236	7.944	2.75%	2.61%	WRRM

GUIDELINES NOTABLE CHANGES (4 OF 4)

- Public Safety Power Shutoff (PSPS) (Section 7) now focuses on lessons learned and event reduction and eliminates targets and narrative
- New QA/QC requirements for Grid Design (Section 8) and Vegetation Management (Section 9)
- Consolidation of the former Emergency Preparedness and Community Outreach Sections into one (Section 11)
- Enterprise Systems (Section 12) is now a standalone section with its own target and narrative requirements

SAFETY CULTURE BRANCH – WORKSTREAMS (1 OF 2)

Safety Culture Assessments (SCA)

- 2024 were delayed until contractor was on board
 - A contract with National Safety Council (NSC) was executed and draft guidelines were published on 11/08/2024. An adoption meeting is scheduled for 12/16/2024.
- Due to delay, the 2024 SCAs will not be issued in time for the 2024 Safety Cert. issuance. ECs will use their 2023 SCAs to demonstrate good standing for their 2024 Safety Certs.

SAFETY CULTURE BRANCH – WORKSTREAMS (2 OF 2)

Executive Compensation

 2024 Executive Compensation Structures were approved for PG&E, SDG&E, SCE, and BVES on 10/04/2024.

Safety Certifications

Safety Certification Requests have been received from PG&E,
 SDG&E, SCE, and BVES and are currently under evaluation.

RISK MODEL WORKING GROUP (RMWG)

- Jensen Hughes onboarded as new contractor
- RMWG cancelled through the end of 2024
- In the meantime, Jensen Hughes has scheduled introductions with 6 ECs and 4 major stakeholders to solicit feedback on how to improve the structure of the RMWG for 2025

3 - Advisory Opinion to the Publicly Owned Utilities





Summary of Projects and Programs

Late WMP Submissions Letter

Tracking
Changes to
WMPs

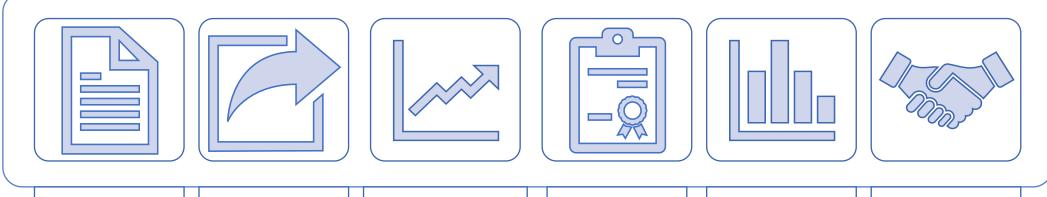
Digital Accessibility

Areas That
Exceed
Minimum
Standards in
General
Orders



3 - Advisory Opinion to the Publicly Owned Utilities





Independent Evaluator Reports Alternative
Reporting
for POUs
Without
Overhead
Electric
Supply
Facilities in
the HFTD

Progress and Achievements

Quality
Assurance/
Quality
Control
Programs

Performance Metrics

Continue Engagement



4 - By-Laws Update





"Energy Safety" instead of "Wildfire Safety Division" and "the Commission"



Current under Bagley-Keene Open Meeting Act



Consistent language



Formatting





BREAK



California Wildfire Safety Advisory Board



California Wildfire Safety Advisory Board

WE ARE BACK!

5 – Meeting Minutes



- June 5, 2024
- September 4, 2024
- November 7, 2024



6 – Staff Update







WSAB Staff Report – Utility Wildfire Risk Modeling

Shaun Richards, Senior Advisor





Risk modeling is <u>central to utilities'</u> WMPs and investments











Risk modeling universe



Literature Review



WMP Review







Partner Meetings



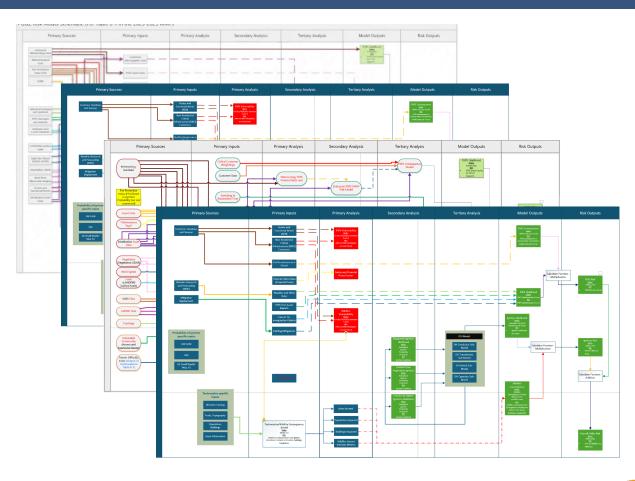


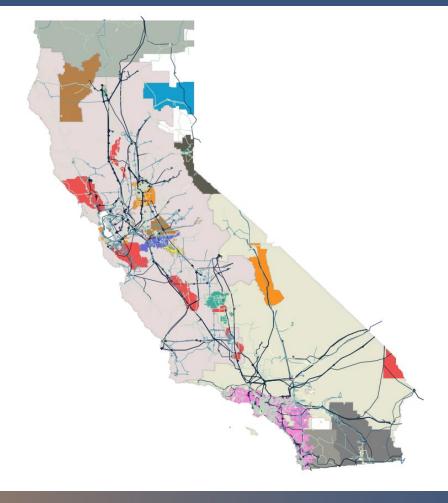




Building out our understanding





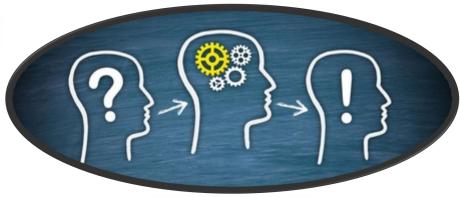




What outcomes are we working towards?











Effectiveness of Grid Hardening and Vegetation Management

Sang Soble, Senior Advisor

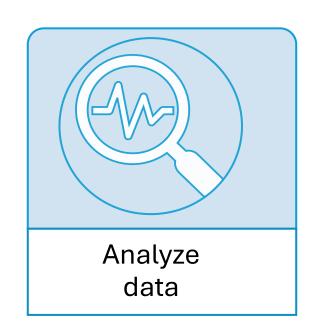




Approach





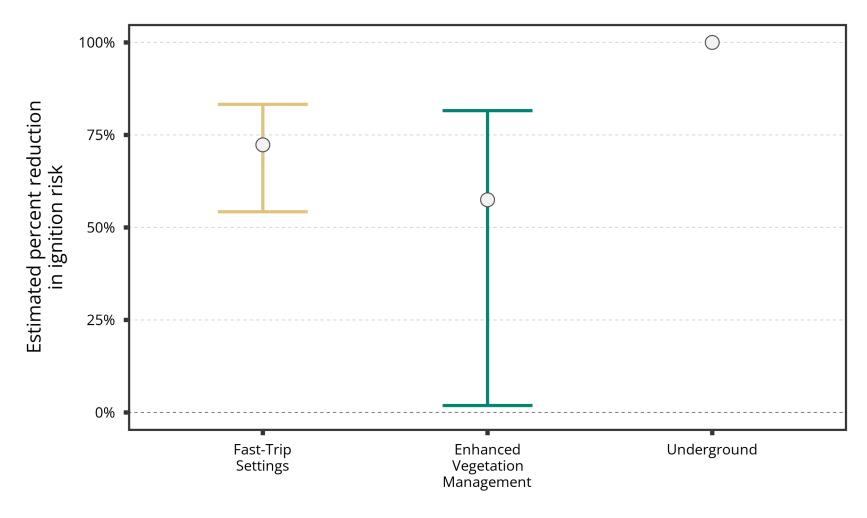






Progress





Source: "Risk-Cost Tradeoffs in Power Sector Wildfire Prevention," Warner et al. 2024

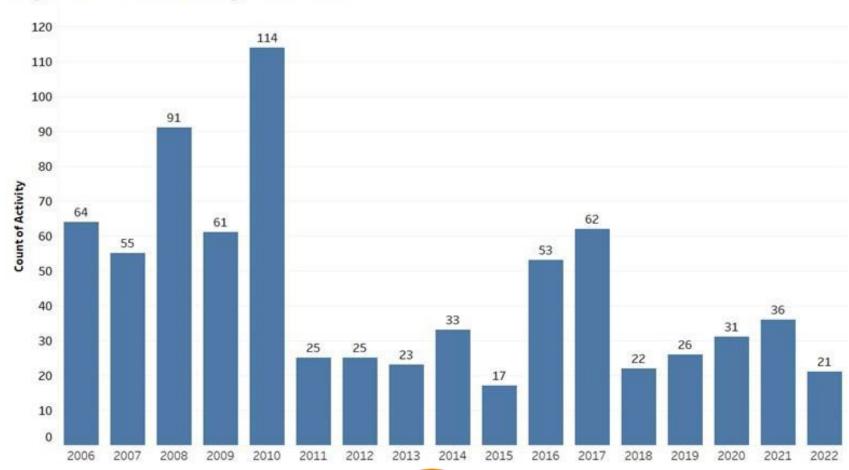


Progress (cont.)



SDG&E VEGETATION-RELATED OUTAGES 2006–2022

Vegetation related Outages 2006-2022



Source: PG&E 2023-2025 WMP, Progression of Effectiveness of Enhanced Clearances Joint Study



Progress (cont.)



SCE – AVERAGE EVENTS PRE- AND POST-ENHANCED CLEARANCES

Average Events Pre- and Post-Enhanced Clearances	Pre-Enhanced Clearances	Post-Enhanced Clearances	Difference		
Avg of Annual TCCIs	s* (2015-2019)	Avg of Annual TCCIs (2020-2022)			
HFTD	148.4	60	-60%		
Non-HFTD	289.2	168	-42%		
All	437.6	228(b)	-48%		

^{*}Tree-caused circuit interruptions

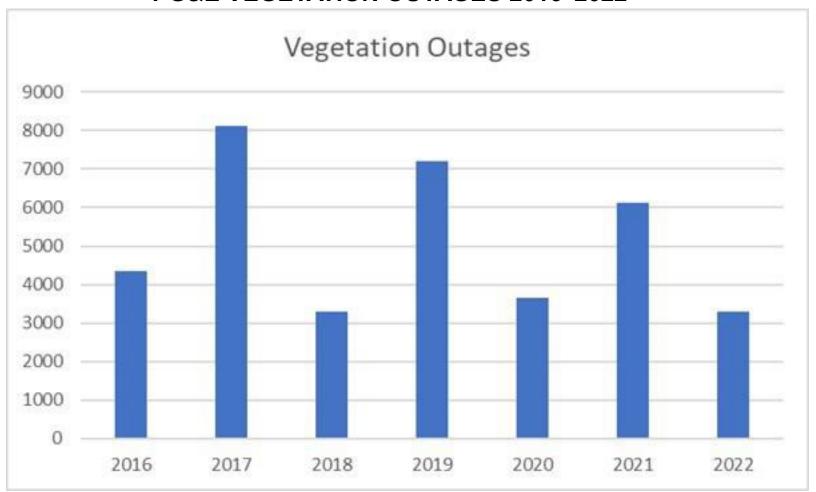
Source: PG&E 2023-2025 WMP, Progression of Effectiveness of Enhanced Clearances Joint Study



Progress (cont.)



PG&E VEGETATION OUTAGES 2016–2022



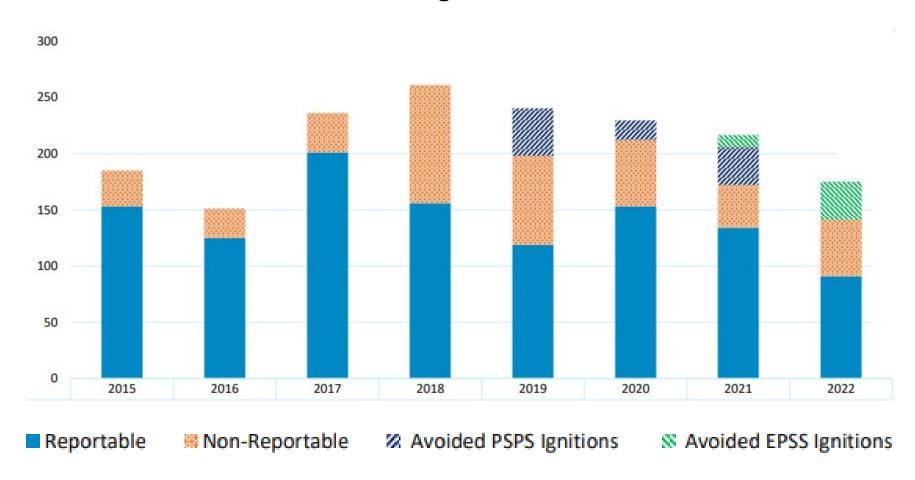
Source: PG&E 2023-2025 WMP, Progression of Effectiveness of Enhanced Clearances Joint Study



Challenges



PG&E "Avoided Ignitions" HFRA 2019–2022



PG&E 2024 Risk Assessment and Mitigation Phase Workshop #1



Challenges (cont.)



- Inconsistency in data reporting
- Grid hardening implementation at a small scale

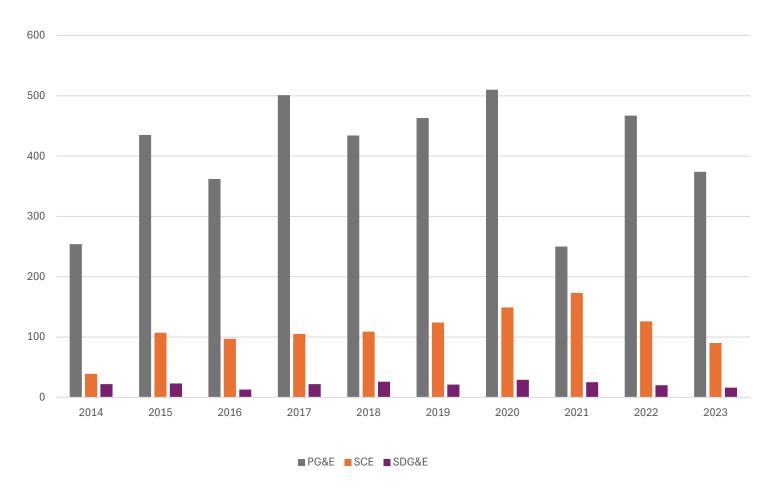
Mitigation	2021						
initiative	PG&E	SCE	SDGE				
Underground	23.6 miles	5.8 miles	25.92 miles				
Covered Conductor	103.8 transmission miles	1500 miles	20.6 miles				
Enhanced tree clearances	1,983 miles	unclear	12,578 trees				



Challenges (cont.)



IGNITIONS 2014–2023

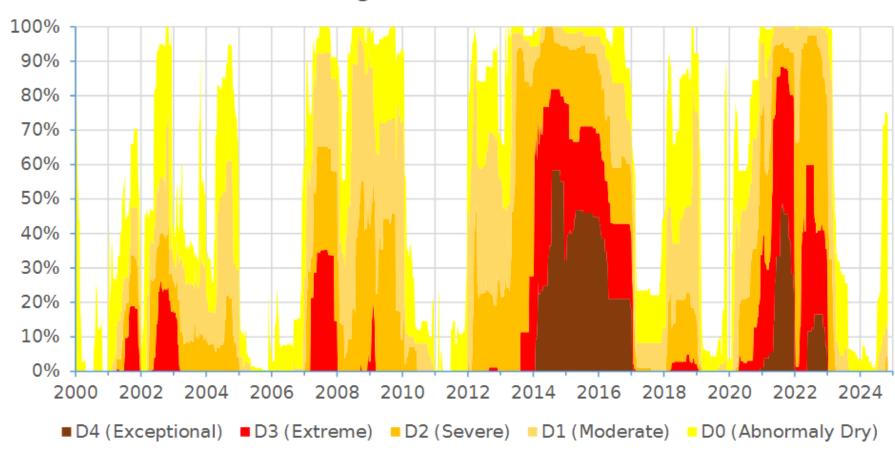




Challenges (cont.)



Drought area in California



Source: https://droughtmonitor.unl.edu/DmData/DataTables.aspx



Questions







Strategic Plan and Implementation Plan Updates

Mark Wenzel, Supervisor





Strategic Plan Update: Implementation Plan



Priorities	Objectives	Intended Outcomes	Actions
Priority 2: Building Collaborative Relationships with External Partners	WSAB improves the impact of its recommendations, by increasing familiarity of utilities and other stakeholders with Board outputs, and improving inputs into Board consideration.		Identify key partners Set regular cadence of internal review of communication with each key partner Meet with key partners and communicate key messages
Priority Steward: Chair Block	Develop clear priorities for mission related collaborative efforts.		Develop messages for key partners
	Create communication practices and calendar interaction activities to support relationship development and collaboration	WSAB deploys staff resources to this objective, and key partners develop	Where appropriate, set regular cadence of meetings and follow-up with key partners

Priority	Objective	Intended outcome	Action	Q1 Sep.	Oct.	Nes.	Q2 Dac.	Jan.	Feb.	Q2 Mar May 2025	Q4 Jun Aug. 2025	Action status Sindaned 11/13/24	Objective Outcome/status
	Developin-person on gagement with Energy Safety.	Both sides feel communication is satisfactory	between Executive Committee and Energy Safety Program							Transferts day			
			Hanager Establish quarterly calls between Chair and Energy Safety	Exposition codes.	:	Establish			:	Jo-desportele . Zanateris day		composite	Scheduled Int call for
		WSAEhasingutimotheresources available to it	Agree with Energy Sarlety on process to make budget requests			Securior sales			Soldfintcal	to desperficie		a-orașiii.	Eeb 2025 Executive Committee agreed with ESPD Program Manger to m request at March
Priority 1: Actualizing Our Mission in Collaboration with the Office of Energy Inflastructure Safety	Delegate administrative authorityto WSAB.		make budget requests Adopt request to Energy/Safety for	Agreed on project				Teveloo budeet		At March Board meeting, adopt request to Energy		Complete	meeting
Priority Steward: Chris Porter		ally needs I wants for setting WSAB WSAB improves the impact of its recommendation by and establing where Snegs Snilly most welcomes in put	For September 2024 Work Plan: Staffack	Staff present work plan with Energy Safety		:	:	request	:	Safety	:	Notataried	Energy Safety gave
	Siscover Energy Safety needs / wants for setting WSAB Priorities		Enemy Safety for input For March 2025 Work Plan update Staff to ask Enemy Safety for	PR4			Staff ask Energy					Complete	ofernalinest to staff
			Staffts introduce WSAB, its priorities and areas of expertise to other Energy Safety	Present to Compliance	Precented WSAB at all-hands Summit	Initiate risk	Same to come					n orienti	Some collaboration
	Share WSABpriorities and expertise with Energy Safety.	WSABilimproves the impact of its recommendations by ensuring they are disseminated to Energy Safety staff	Staffwork to better understand Energy Safety work and	Pişisiyo rangilge	propriory to			}		<u> </u>		Oneoine	Some collaboration
		WSAElimproves the impact of its recommendations, by screaming familiarity of utilities and other stake holders with Board output, undimproving inputs in lock and consideration.	Sensifykey partners	POUsidentified	Staffhadinitial contact with three large KNIs	:	Each Board Hember to add t fist of 'key gartners'						Some collaboration beauti more to do
	Setablish meaningful, mutually beneficial, and consistent practices for communicating with keypartness.		Set regular cadence of internal review of communication with each key partner				1	Policy Committee to set cadence				Notataried	
Priority 2: Building Collaborative Relationships with External Partners Drivoths Stewart's lessing Block			Heet with key partners and communicate key messages		POU Committee sectarts POU WorkingGroup	Staff presents to CMUA WMP						Oneoine	
Printing America, America Monta	Developcisar priorities formission related collaborative efforts.	WSAB improves the efficiency of communication for both itself and gartners	Developmentagesfor			Gitalf develops Tressages; Tevieus with Securius, Policy and POU	Rafine message basedon Jeedback from Members and	Review and refine treasures to to tadence of internal review and external					
	Create communication practices and calendar interaction activities to support relationship development and collaboration	WSAB deploys staff resources to this objective, and key pattners develop confidence in WSAB as a partner	Where appropriate, set regular cadence of meetings and follow-up		POU Committee restats POU	Committees	Public	Make initial contact with additional key				Oneoine	
		ASAB staff remain for an average of at least 2 years.	Provide each staffer with one or more projects on which they are the lead	Jeework planto dentify discrete projects; assign projects	:							Complete	Each staffer is lead or
	Developimproved employee refection practices.		Build sense of teamwork among staff	n branch	Inbranch	Sijbrykjit 4n branch Trausinam (1980)	Inbranch mariner (1900)	Anbranch Investors (1991)	in branch	In branch	In branch meetings, ESF Check-ins, Board	Ongoing	
			Recognize individual contributions Hold initial discussion of career development	SHOW	2045521	DMOSE	Postpat	TREESOFF.	CHARLES	ALCOHOL:	DESCRIPTION	Oneoine Complete	
Priority 5: Retaining and Developing Staff Priority Staward: Mark	Create apportunities for career development for WSAB staff members.	If ASSI staff improve dillato supportioned, their ever interests, and future caver options.	Developannual individual developmen plans Staffers.complete formal training	ļ			<u>.</u>	EachWSAB Staffer develops 109				Notetared	
			include staff in meetings with Board Hembers and key								· · · · · · · · · · · · · · · · · · ·	Orași and	
	Create work practices that support staff members'work	Staff feel that working of is sustainable and that the WSAB	Encourage and allow time officervacation and family exponsibilities									Ongoing	
Cheate work practices that support staffer success and allow for work life balance.	Linear work practices that support start members work success and allow for work life balance.	branchils a welcoming and supportive place to work.	Haximias benefits of		Establish common in effic				Plan and execute scriulties that maximize benefits of in-				
		Noticity an ablamed in a tensip manner, medical poljularian baselinan censiral polius representations for medical poljularian control polius del control politica del control politi	Developproject plans for major work products	Develop project plans for top 4 workstreams	daylarikand		Maintain and apdate project plans		person time			Oneoine	
			Establish schedule of Board meetings, and second standard feedings					[:		Board meetings scheduled through 20 Sectioniculator for
pupo transporer protoso. Protos Confingis biorismos melhocian la faculta insponentian Protos Confingis biorismos melhocian la faculta insponentian Protos Grand Rodon la faculta insponentia insponentia insposicione Protos Grand Rodon la faculta insposicione Protos Grand Rodon la fa	WSAB has established and consistently applies effective project management practices.		such as agenda poeting, well in advance Schedule Committee	ļ		Schedule Scientific Grid.	ļ	ļ		ļ	: : :	Complete	se sociated deadlines
			Schedule Committee meetings for Board Hember input into key work products	Update	ļ	Schedule Scientific, Grid, Ind Veg Hanagement Committee calls Update thecklists after leach Board resetting	ļ	ļ		ļ	: :	Behind	Scheduled scientifica gid call; veg management to come
		based meeting war it statutory requirement for threquency, and seement placed and creative the provide information of based Numbers and support collaboration and communication with way partners.	Develop staff guide and checkslass for recurring processes. Develop@aard meeting togics and speakers to provide information and support.	checklists after each Board meeting	_	checklists after each Board meeting	Complete Staff Guide	<u> </u>	_	<u>: </u>		Oneoine	Staffguide/SOPs sligt behind schedule
	Plan and facilitate open meetings to allow for appropriate one strategic collaboration. Her		PromoteBoard	ļ			Source meeting	<u></u>		load meeting	Boardmeeting	Ongoing	
			meetings through media outwach; sebuite development; use of email syste; use of email systems;			Souri mustic-	Sourt mast			Souri mustir-	Secret meeting	Onanine	
	Stabilish cahesivevision and roles and responsibilities.	A cobsolve vision that supports Board decision-making, direction to staff, and the priorities of the Strategic Plan	Developandpropose				With vision	Socializewith andividual Board Members		Present as part of apdated work plan/strategic trian to Board		Notstaned	
	Ensure current activities are sufficiently resourced.	Products are delivered in a timely manner, meeting legislative deadlines, meeting Board expectations for scope and quality, and balancingworkload	Developwork plan	Work plan presented to Board				ļ		Present updated work plan to		Complete	
	Create sufficient cadence of communication between Board		Jodstework plan		-	Schedule Scientific, Grid,	-	-	Codstawork plan	work plan to shound		Notataried	
	and staff.	Board Members are informed and provide direction to staff.	Establish recurring Committee meetings			and Veg Hanagement Committee calls						Behind	



Strategic Plan Update: KPIs



	KPI	Status check at end of firs				
		quarter of implementation				
Priority 1: Actualizing Our Mission in Collaboration with	Ensure affected stakeholders are aware of WSAB recommendations and advisory opinions through recognized preferred channels and that comments are openly considered.	Staff restarted use of email subscription lists to announce Board meetings and availability of documents for public comment. POU Advisory Opinion posted for 2-week public comment period. POU Working Group meetings underway. Three-week public comment period scheduled for recommendations to Energy Safety by June 30, 2025.				
the Office of Energy Infrastructure Safety Priority Steward: Chris Porter	Board Members, Committees, and staff meet with partner organizations at least once per quarter.	POU Committee meeting with POU associations and representatives in regularly scheduled meetings. Staff met with representatives of each of the three large utilities in October 2024.				
· ·	Perform two site visits per year. Setting clear expectations for WSAB Members and WSAB Branch staff of the division of responsibilities	Completed site visit with Trinity PUD on 11/6/24.				
	between WSAB and Energy Safety.	Executive Committee met with Energy Safety management.				
Priority 2: Building Collaborative Relationships with	Identifying Energy Safety requests for "other advice and recommendations related to wildfire safety."	Staff worked with Energy Safety to understand needs; incorporated into work plan presented 9/2024. Process for identifying requests in 2025 begun.				
External Partners	Participating in emerging collaborations.					
Priority Steward: Jessica Block	Holding regular meetings with WSAB Chair/Vice Chair and Energy Safety leadership. Keeping each other informed of activities and evolving topic interests.	Executive Committee meets monthly with Energy Safety management.				
	The WSAB has set annual budget discussions and participates in the budgeting process as appropriate.	Budget discussion set for March meeting.				
	Set a benchmark for employee satisfaction levels.	Scheduled for Q1 2025				
Priority 3: Retaining and Developing Staff	Define opportunities for staff to engage in topics of interest and contribute their expertise.	Work plan includes meaningful projects for staff.				
•	Each employee has clear roles and responsibilities.	Staff supervisor has set project roles for staff.				
Priority Steward: Mark	Each employee has an annual individual development plan developed with the supervisor to improve relevant skills and knowledge.	Scheduled for Q1 2025				
Driamity / Coating the Structures and Bractices for	Maintain an updated staff guide as a living document.	Staff guide sections identified; first section under review. Staff coordinating with Electrical Safety Policy Division on standard operating procedures.				
Priority 4: Creating the Structures and Practices for Successful Implementation	Initiate a project management system by December 2024.	Project management system in place, using work plan, Microsoft Planner, and a Microsoft Excel spreadsheet.				
Priority Steward: Mark		Project plans in place for first four workstreams, with assigned team members.				
	Every initiative has clear deadlines, assigned team members, and measurements.	Measurements to be developed.				



Future meetings



- March 5, 2025
- June 4, 2025
- September 3, 2025
- December 3, 2025





7 – Agenda Items for Future Meetings



Wildfire Safety Advisory Board Meeting

Agenda and Notice March 5, 2025

1 p.m. - 4 p.m. PST

California Natural Resources Agency, Room 2-301 715 P Street, Sacramento, CA 95814

Remote Access via Microsoft Teams™

https://www.microsoft.com/en-us/microsoft-teams/join-a-meeting Meeting ID: 236 964 415 626 and passcode: DmuZLg

Wilatire Satety Advisory Board Meeting Agenda

All times indicated are approximate and subject to change have not of order for than public comments may include a Roard vote and may be taken out of order for than public comments may include a Roard vote and may be taken out of order for than public comments may include a Roard vote and may be taken out of order for than public comments may include a Roard vote and may be taken out of order for than public comments may include a Roard vote and may be taken out of order for than public comments may include a Roard vote and may be taken out of order for than public comments may include a Roard vote and may be taken out of order for than public comments may include a Roard vote and may be taken out of order for than public comments may include a Roard vote and may be taken out of order for than public comments may include a Roard vote and may be taken out of order for than public comments may include a Roard vote and may be taken out of order for than public comments may include a Roard vote and may be taken out of order for than public comments may include a Roard vote and may be taken out of order for the former for the forme All times inalcated are approximate and subject to change. Any agenda items other than public comments may include a Board vote and may be taken out of order for than public comments may include a for information are approximate for Board scheduling convenience. Items designated for information are approximated for information are approximated for information. than public comments may include a Board vote and may be taken out of order for scheduling convenience. Items designated for information are appropriate for Board action if the Board charges to take action Wildfire Safety Advisory Board Meeting Agenda This meeting will be hosted virtually and in-person. WSAB members [ADD] will be

action if the Board chooses to take action.

participating virtually.

Public Agenda

Order, and Roll Call

8 - Public Comments for Matters Not on Agenda



Please begin your comments by stating your name and organization (if applicable).

- a. In the room
- b. On Teams or the phone
- c. Via chat or email



9 – Adjournment





- For more information:
 - Website: https://energysafety.ca.gov/whatwe-do/wildfire-safety-advisoryboard/
 - Email: WSAB@energysafety.ca.gov

