					Liberty 2023 WMP Discovery Log									
Last Updated: 6/8/2023 Count Party Name D	DR Set # Data Request	Question No.	Question ID	Question	Responses	Requestor Dat	e Received Fina	al Date Due Date	Sent	Links	Number of Attachements Attachment Lin	ks NDA Required? WMP Sectio	n Category	Subcategory
				Please provide a copy of each WMP-related document, submission, or report you submit to the Office of Energy Infrastructure Safety (Energy Safety) in 2023 that is related to your WMP. Provide the copy to Cal Advocates within one business day of the document's submittal to Energy Safety. (If you have submitted the document to Energy Safety in 2023 prior to this data request, please provide a copy as soon as possible and no later than 10 business days from the	submission, as submitted to OEIS on March 6, 2023. Additionally, Liberty attempted to provide CalAdvocates with copies of its Q4 2022 Quarterly Data Report ("QDR") files on February 1, 2023. However, due to technical issues with the CPUC Kiteworks platform,			N/A			1			
				issuance of this data request.) This request is limited to materials or documents that (1) are related to work plans, initiative targets, risk models, risk spend efficiency (RSE) calculations, or WMP change orders; and (2) are provided to Energy Safety to provide additional details or				N/A						
CalAdvocates	1 CalAdvocates-Liberty-2023WMP-01	1	CalAdv-01-1.1	Please provide a copy of your WMP pre-submission within two business days of its submission	Refer to attachment: "2023-03-06_Liberty_2023_WMP_RO_Public" for Liberty's 2023 WMP		2/24/2023	N/A	/8/2023 Response 0308 CalAdvocates-Li	berty-2023WMP-01_Liberty_ 2023.pdf (libertyutilities.com) berty-2023WMP-01_Liberty_	1	WMP Pre- Submission WMP Pre-	Administrative	N/A
CalAdvocates	1 CalAdvocates-Liberty-2023WMP-01	2	CalAdv-01-1.2	Provide a copy of all documents or files that are referenced in your WMP Quarterly Data Reports and submitted to Energy Safety (including but not limited to all PDFs, spatial data files, non-	Liberty attempted to provide CalAdvocates with copies of its Q4 2022 QDR files on February 1, 2023. However, due to technical issues with the CPUC Kiteworks platform,	Aaron Louie	2/24/2023	N/A		2023.pdf (libertyutilities.com)		Submission WMP Pre-	Administrative	N/A
CalAdvocates	1 CalAdvocates-Liberty-2023WMP-01	3	CalAdv-01-1.3	spatial data files, and confidential attachments) on the same business day that the document is sent to Energy Safety. Provide a copy of all your confidential responses to WMP discovery requests, on the same business day that you send the documents to the issuer of the discovery request. This includes:	Liberty will provide CalAdvocates with copies of responses to 2023 WMP discovery	Aaron Louie	2/24/2023	3/8		berty-2023WMP-01_Liberty_ 2023.pdf (libertyutilities.com)		Submission	Administrative	N/A
CalAdvocates	1 CalAdvocates-Liberty-2023WMP-01	4	CalAdv-01-1.4	a) Confidential responses to WMP discovery requests issued by Energy Safety. b) Confidential		Aaron Louie	2/24/2023	N/A 3/8		berty-2023WMP-01_Liberty 2023.pdf (libertyutilities.com)		WMP Pre- Submission	Administrative	N/A
				conducted by internal entities that were completed since January 1, 2022, and that examined any programs, initiatives, or strategies described in your 2022 WMP Update.	review, or desktop review, of 100% of vegetation management invoices in order to confirm accuracy. If satisfactory, the invoices are approved in Liberty's work management system. If not satisfactory, the invoice and supporting documents are returned to the contractor for correction. The following file related to Liberty's Post-Work Verification Procedure ("PWVP") desktop review is included in the Supporting Materials email for this									
					data request response sent to CalAdvocates through the CPUC Kiteworks system: "2022 Liberty Internal Desktop Invoice Audit Tracker." Additionally, Liberty system arborists perform post-work field validations to confirm adherence to work specifications. This includes a review to determine whether (1) adequate clearances were achieved, (2) slash and debris removal was satisfactory, (3) the inventory of the work is accurate, and (4) pruning was completed per ANSI standards. Work that is determined to be unsatisfactory									
					is reported to the contractor to be corrected. Liberty provided additional information regarding its vegetation management QA/QC procedures in Section 8.2.5 of its 2023 WMP pre-submission. Liberty is in the process of collecting QA/QC materials completed as part									
CalAdvocates	2 CalAdvocates-Liberty-2023WMP-02	1	CalAdv-02-2.1		of its asset inspections QA/QC program in 2022. Liberty plans to provide this information to CalAdvocates by March 17, 2023.	Aaron Louie	2/24/2023	3/10/2023 3/10		berty-2023WMP-02_Liberty_ 2023.pdf (libertyutilities.com)		8	Grid Design, operations, and maintenance (8.1). Vegetation Management (8.2)	8.1.6, 8.2.5
				Please identify and provide a copy of all quality assurance or quality control (QA/QC) reports conducted by external entities that were completed since January 1, 2022, and that examined any programs, initiatives, or strategies described in your 2022 WMP Update. External entities include, but are not limited to, consultants, contractors, auditors, court-appointed monitors, and Independent Evaluators.	Refer to the following vegetation management files and folders in the Supporting Materials email for this data request response sent to CalAdvocates through the CPUC Kiteworks system: • 2022_VM_QC_Pass_Results_Report.xlsx • TAH7300_LiDAR_Work_QC_Corrective_Action.xlsx • QC of Completed Work folder • QC of Inspections folder Liberty is in the process of collecting QA/QC materials						6			
					completed as part of its asset inspections QA/QC program in 2022. Liberty plans to provide this information to CalAdvocates by March 17, 2023. • QC of Pole Clearing folder					berty-2023WMP-02_Liberty_			Grid Design, operations, and maintenance (8.1). Vegetation	
CalAdvocates	2 CalAdvocates-Liberty-2023WMP-02	2	CalAdv-02-2.2	Provide an Excel table of all defects in the year 2022 found by Energy Safety's Compliance Branch (as rows) that includes the following information in separate columns. a) Associated circuit name b) Defect type	Dead tree audit 7_22 folder Liberty did not receive any Notices of Defects from Energy Safety in 2022.	Aaron Louie	2/24/2023	3/10/2023 3/10	.0/2023 <u>Response 0310</u>	2023.pdf (libertyutilities.com)		8	Management (8.2)	8.1.6, 8.2.5
				c) Description of defect d) 2022 WMP initiative (from your 2022 WMP update) associated with defect e) Date that the defect was identified f) Date that the defect was corrected g) If the defect has not yet been corrected as of the issuance date of this data request, a brief										
CalAdvocates	2 Cal Advocates - Liberty - 2023 WMP - 02	3	CalAdv-02-2 3	 explanation. h) Priority level of corresponding corrective tag i) Geographic latitude of defect in decimal degrees, truncated to seven decimal places j) Geographic longitude of defect in decimal degrees, truncated to seven decimal places. 		Aaron Louie	2/24/2023	3/10/2023 3/10		berty-2023WMP-02_Liberty 2023.pdf (libertyutilities.com)		12	Notices of Violation and Defect	N/A
CalAdvocates	2 CalAdVoCates-Liberty-2025WIVIF-02	3	CalAuv-02-2.3	Provide an Excel table of all violations in the year 2022 found by Energy Safety's Compliance Branch (as rows) that includes the following information in separate columns. a) Associated circuit name	Liberty did not receive any Notices of Violations from Energy Safety in 2022.	Adron Louie	2/24/2023	3/10/2023 3/10	.0/2023 <u>Response</u> 0310.	2023.par (iibertyatiiities.com)			Notices of Violation and Defect	N/A
				b) Violation typec) Description of violationd) 2022 WMP initiative (from your 2022 WMP update) associated with violation										
				e) Date that the violation was identifiedf) Date that the violation was correctedg) If the violation has not yet been corrected as of the issuance date of this data request, a brief	:									
CalAdvocates	2 CalAdvocates-Liberty-2023WMP-02	4	CalAdv-02-2.4	 explanation h) Priority level of corresponding corrective tag i) Geographic latitude of violation in decimal degrees, truncated to seven decimal places j) Geographic longitude of violation in decimal degrees, truncated to seven decimal places. 		Aaron Louie	2/24/2023	3/10/2023 3/10		berty-2023WMP-02_Liberty 2023.pdf (libertyutilities.com)		12	Notices of Violation and Defect	N/A
Cantavocates	2 currentes liserty 2020 Will 02	·	GUI/101 02 2.1	Provide an Excel table of all distribution circuits existing as of January 1, 2023 (as rows) that includes the following information in separate columns. a) Circuit name b) Circuit ID number	Refer to supporting file: "CalAdvocates-Liberty-2023WMP-03_ Liberty Response Questions 1-4," Tab Q1 – Distribution.		2/21/2025	3/10/2023	10/2020 1100/1100 5030	<u> </u>			Notices of Violation and Defect	
				c) Total circuit miles d) Circuit miles in Non-HFTD Areas e) Circuit miles in Other HFTD										
				f) Circuit miles in HFTD Tier 2 g) Circuit miles in HFTD Tier 3 h) Circuit voltage i) Circuit SAIDI (System Average Interruption Duration Index) for 2021										
				j) Circuit SAIDI (System Average Interruption Duration Index) for 2022 k) Circuit SAIFI (System Average Interruption Frequency Index) for 2021 l) Circuit SAIFI (System Average Interruption Frequency Index) for 2022										
				m) Circuit MAIFI (Momentary Average Interruption Frequency Index) for 2021 n) Circuit MAIFI (Momentary Average Interruption Frequency Index) for 2022 o) Total customer-minutes of de-energization on the circuit due to PSPS events in 2021 (sum of							1			
				customer-minutes across all PSPS events). p) Total customer-minutes of de-energization on the circuit due to PSPS events in 2022 (sum of customer-minutes across all PSPS events).										
				 q) Total customer-minutes of de-energization on the circuit due to fast-trip settings in 2021. r) Total customer-minutes of de-energization on the circuit due to fast-trip settings in 2022. s) Number of trees that were worked on for EVM in Non-HFTD in 2021 t) Number of trees that were worked on for EVM in Non-HFTD in 2022 										
				u) Number of trees that were worked on for EVM in Other HFTD in 2021 v) Number of trees that were worked on for EVM in Other HFTD in 2022 w) Number of trees that were worked on for EVM in HFTD Tier 2 in 2021										
CalAdvocates	3 CalAdvocates-Liberty-2023WMP-03	1	CalAdv-03-3.1	Provide an Excel table of all transmission circuits existing as of January 1, 2023 (as rows) that	Refer to supporting file: "CalAdvocates-Liberty-2023WMP-03_ Liberty Response Questions	Aaron Louie	2/24/2023	3/24/2023 3/29		berty-2023WMP-03_Liberty_ 2023.pdf (libertyutilities.com)		5, 6	Electrical Infrastructure	5.2, 6.4.2
				includes the following information in separate columns. a) Circuit name b) Circuit ID number c) Total circuit miles d) Circuit miles in Non-HFTD Areas	1-4," Tab Q2 – Transmission.									
				e) Circuit miles in Other HFTD f) Circuit miles in HFTD Tier 2 g) Circuit miles in HFTD Tier 3										
				h) Circuit voltage i) Total customer-minutes of de-energization on the circuit due to PSPS events in 2021 (sum of customer-minutes across all PSPS events).										
				 j) Total customer-minutes of de-energization on the circuit due to PSPS events in 2022 (sum of customer-minutes across all PSPS events). k) Total customer-minutes of de-energization on the circuit due to fast-trip settings in 2021. l) Total customer-minutes of de-energization on the circuit due to fast-trip settings in 2022. 							1			
				n) Number of support structures replaced in Non-HFTD in 2021 n) Number of support structures replaced in Non-HFTD in 2022 o) Number of support structures replaced in Other HFTD in 2021										
				p) Number of support structures replaced in Other HFTD in 2022 q) Number of support structures replaced in HFTD Tier 2 in 2021 r) Number of support structures replaced in HFTD Tier 2 in 2022										
				s) Number of support structures replaced in HFTD Tier 3 in 2021 t) Number of support structures replaced in HFTD Tier 3 in 2022 u) Miles of LiDAR inspection in Non-HFTD in 2021										
				v) Miles of LiDAR inspection in Non-HFTD in 2022w) Miles of LiDAR inspection in Other HFTD in 2021 x) Miles of LiDAR inspection in Other HFTD in 2022 y) Miles of LiDAR inspection in HFTD Tier 2 in 2021						berty-2023WMP-03_Liberty				
CalAdvocates	3 CalAdvocates-Liberty-2023WMP-03	2	CalAdv-03-3.2	Provide an Excel table of all distribution circuits existing as of January 1, 2022, that were removed or decommissioned in 2022, either partially or entirely (as rows). This includes permanent removal, removal of overhead lines that were moved underground, or overhead	Refer to supporting file: "CalAdvocates-Liberty-2023WMP-03_ Liberty Response Questions 1-4," Tab Q3 – Distribution Removals.	Aaron Louie	2/24/2023	3/24/2023 3/29	29/2023 <u>Response_0329</u>	2023.pdf (libertyutilities.com)		5, 6	Electrical Infrastructure	5.2, 6.4.3
				lines that were decommissioned but not physically removed. Include the following information in separate columns. a) Circuit name b) Circuit ID number							1			
				c) Circuit miles removed or decommissioned in Non-HFTD Areas d) Circuit miles removed or decommissioned in Other HFTD e) Circuit miles removed or decommissioned in HFTD Tier 2						howthy goodstate to the				
CalAdvocates	3 CalAdvocates-Liberty-2023WMP-03	3	CalAdv-03-3.3	f) Circuit miles removed or decommissioned in HFTD Tier 3 g) Reason(s) for removal or decommissioning. Provide an Excel table of all transmission circuits existing as of January 1, 2022, that were removed or decommissioned in 2022, either partially or entirely (as rows). This includes	Refer to supporting file: "CalAdvocates-Liberty-2023WMP-03_ Liberty Response Questions 1-4," Tab Q4 – Transmission Removals.	Aaron Louie	2/24/2023	3/24/2023 3/29		berty-2023WMP-03_Liberty_ 2023.pdf (libertyutilities.com)		8	Line Removal	8.1.2.9
				permanent removal, removal of overhead lines that were moved underground, or overhead lines that were decommissioned but not physically removed. Include the following information in separate columns. a) Circuit name	T, TUD QT TIUNSHIISSIUH NEHIUVAIS.									
				b) Circuit ID numberc) Circuit miles removed or decommissioned in Non-HFTD Areasd) Circuit miles removed or decommissioned in Other HFTD							1			
CalAdvocates	3 CalAdvocates-Liberty-2023WMP-03	4	CalAdv-03-3.4	e) Circuit miles removed or decommissioned in HFTD Tier 2 f) Circuit miles removed or decommissioned in HFTD Tier 3 g) Reason(s) for removal or decommissioning.		Aaron Louie	2/24/2023	3/24/2023 3/29		berty-2023WMP-03_Liberty 2023.pdf (libertyutilities.com)		8	Line removal	8.1.2.9

				For each WMP initiative listed below, please state how the modeled Wildfire Risk Scores for each circuit or circuit-segment influenced where you performed work in 2022. a) Vegetation Liberty did not perform overall wildfire risk scores at the circuit or circuit segment level that influenced where it performed work in 2022. Work performed in 2022 was planned		
				management (VM) b) Covered conductor installation Liberty is evaluating the results of differing wildfire risk assessments at the circuit and/or circuit segment level to plan and prioritize where it performs future work in 2024. For		
				d) Distribution pole replacement e) Grid sectionalization f) Detailed inspections of distribution assets additional information, refer to Section 6.7, Section 7.1.4, and individual initiative subsections in Section 8 of Liberty's 2023 WMP pre-submission.		
				g) Detailed inspections of transmission assets h) Aerial inspections of distribution assets		
CalAdvocates	3 CalAdvocates-Liberty-2023WMP-03	5	CalAdv-03-3.5	i) Aerial inspections of transmission assets j) LiDAR inspections of distribution assets k) LiDAR inspections of transmission assets. Aaron Louie 2/24/2023 3/29/2023 3/29/2023 Aesponse 03292023.pdf (libertyutilities.com)	6	Risk Scoring N/A
Culrid Vocates	S Canadocates Liberty 2025Willi 05	<u> </u>		For each WMP initiative listed below, please state how the modeled Wildfire Risk Scores for each circuit or circuit-segment influenced how work in 2022 was sequenced. a) VM Liberty did not perform overall wildfire risk scores at the circuit or circuit segment level that influenced how work was sequenced in 2022. Work performed in 2022 was planned		MISK SCOTTING 14/7A
				b) Covered conductor installation using separate risk analysis, compliance requirements, and/or subject matter expertise. c) Undergrounding d) Distribution pole replacement circuit segment level to plan and prioritize how future work is sequenced in 2024. For		
				e) Grid sectionalization additional information, refer to Section 6.7, Section 7.1.4, and individual f) Detailed inspections of distribution assets initiative subsections in Section 8 of Liberty's 2023 WMP pre-submission.		
				g) Detailed inspections of transmission assets h) Aerial inspections of distribution assets i) Aerial inspections of transmission assets		
CalAdvocates	3 CalAdvocates-Liberty-2023WMP-03	6		j) LiDAR inspections of distribution assets k) LiDAR inspections of transmission assets. Aaron Louie 2/24/2023 Aaron Louie CalAdvocates-Liberty-2023WMP-03 Liberty Aaron Louie 3/29/2023 Response_03292023.pdf (libertyutilities.com) Liberty did not perform overall wildfire risk scores at the circuit or circuit segment level	6	Risk Scoring N/A
				each circuit or circuit-segment influence where you plan to perform work in 2023. a) VM b) Covered conductor installation that influenced where it performed work in 2023. Work performed in 2023 was planned using separate risk analysis, compliance requirements, and/or subject matter expertise.		
				c) Undergrounding d) Distribution pole replacement e) Grid sectionalization Liberty is evaluating the results of differing wildfire risk assessments at the circuit and/or circuit segment level to plan and prioritize where it performs future work in 2024. For additional information, refer to Section 7.1.3, Section 7.1.4, and individual		
				f) Detailed inspections of distribution assetsg) Detailed inspections of transmission assets h) Aerial inspections of transmission assets i) Aerial inspections of transmission assets		
CalAdvocates	3 CalAdvocates-Liberty-2023WMP-03	7	CalAdv-03-3.7	j) LiDAR inspections of distribution assets k) LiDAR inspections of transmission assets. CalAdvocates-Liberty-2023WMP-03 Liberty Aaron Louie 2/24/2023 3/29/2023 Response 03292023.pdf (libertyutilities.com)	6	Risk Scoring N/A
				For each WMP initiative listed below, please state which and how the modeled Wildfire Risk Scores for each circuit or circuit-segment influence how work in 2023 will be sequenced. a) VM b) Covered conductor installation Liberty did not perform overall wildfire risk scores at the circuit or circuit segment level that influenced how work was sequenced in 2023 was planned using separate risk analysis, compliance requirements, and/or subject matter expertise.		
				c) Undergrounding d) Distribution pole replacement Liberty is evaluating the results of differing wildfire risk assessments at the circuit and/or circuit segment level to plan and prioritize how future work is sequenced in 2024. For		
				e) Grid sectionalization f) Detailed inspections of distribution assets g) Detailed inspections of transmission assets g) Detailed inspections of transmission assets		
				h) Aerial inspections of distribution assets i) Aerial inspections of transmission assets j) LiDAR inspections of distribution assets		
CalAdvocates	3 CalAdvocates-Liberty-2023WMP-03	8	CalAdv-03-3.8	k) LiDAR inspections of transmission assets. Aaron Louie CalAdvocates-Liberty-2023WMP-03 Liberty Aaron Louie CalAdvocates-Liberty-2023WMP-03 Liberty Response 03292023.pdf (libertyutilities.com)	6	Risk Scoring N/A
				For each WMP initiative listed below, please state how the modeled Wildfire Risk Scores for each circuit or circuit-segment influence where you plan to perform work in 2024. a) VM circuit segment level to plan and prioritize where it performs future work in 2024. For additional information, refer to Section 7.1.3, Section 7.1.4, and individual		
				c) Undergrounding d) Distribution pole replacement e) Grid sectionalization		
				f) Detailed inspections of distribution assets g) Detailed inspections of transmission assets		
				h) Aerial inspections of distribution assets i) Aerial inspections of transmission assets j) LiDAR inspections of distribution assets CalAdvocates-Liberty-2023WMP-03 Liberty		
CalAdvocates	3 CalAdvocates-Liberty-2023WMP-03	9		k) LiDAR inspections of transmission. For each WMP initiative listed below, please state how the modeled Wildfire Risk Scores for each circuit or circuit-segment influence how work in 2024 will be sequenced. a) VM Aaron Louie 2/24/2023 3/29/2023 3/29/2023 3/29/2023 3/29/2023 3/29/2023 3/29/2023 3/29/2023 3/29/2023 Aaron Louie 2/24/2023 3/29/2023 3/29/2023 Aaron Louie 2/24/2023 3/2	6	Risk Scoring N/A
				b) Covered conductor installation additional information, refer to Section 7.1.3, Section 7.1.4, and individual c) Undergrounding initiative subsections in Section 8 of Liberty's 2023 WMP pre-submission.		
				d) Distribution pole replacement e) Grid sectionalization f) Detailed inspections of distribution assets		
				g) Detailed inspections of transmission assets h) Aerial inspections of distribution assets i) Aerial inspections of transmission assets CalAdvocates-Liberty-2023WMP-03_Liberty		
CalAdvocates	3 CalAdvocates-Liberty-2023WMP-03	10		j) LiDAR inspections of distribution assets k) LiDAR inspections of transmission assets. Aaron Louie 2/24/2023 3/29/2023 Response_03292023.pdf (libertyutilities.com) Refer to supporting file: "CalAdvocates-Liberty-2023WMP-04_Liberty Response Questions Refer to supporting file: "CalAdvocates-Liberty-2023WMP-04_Liberty Response Questions	6	Risk Scoring N/A
				times actual capital expenditures in 2022, please provide: a) The name of the initiative as it is identified in your 2023-2025 WMP b) The WMP Initiative number in Table 11 of your 2023-2025 WMP 1 4," Tab Response 1.		
CalAdvocates	4 CalAdvocates-Liberty-2023WMP-04	1		c) The name of the initiative as it is identified in your 2022 WMP Update d) The WMP Initiative number in Table 12 of your 2022 WMP Update e) An explanation for the projected increase. CalAdvocates-Liberty-2023WMP-04_Liberty CalAdvocates-Liberty-2023WMP-04_Liberty Aaron Louie 2/24/2023 3/31/2023 Response 03312023.pdf (libertyutilities.com)	WMP Financials	N/A N/A
				For each WMP initiative for which you forecast capital expenditures in 2024 to be at least two times actual capital expenditures in 2022, please provide: a) The name of the initiative as it is identified in your 2023-2025 WMP Refer to supporting file: "CalAdvocates-Liberty-2023WMP-04_Liberty Response Questions 1-4," Tab Response 2.		
				b) The WMP Initiative number in Table 11 of your 2023-2025 WMP c) The name of the initiative as it is identified in your 2022 WMP Update		
CalAdvocates	4 CalAdvocates-Liberty-2023WMP-04	2	CalAdv-04-4.2	d) The WMP Initiative number in Table 12 of your 2022 WMP Update e) An explanation for the projected increase. CalAdvocates-Liberty-2023WMP-04_Liberty	WMP Financials	N/A N/A
				two times actual operating expenditures in 2022, please provide: a) The name of the initiative as l-4," Tab Response 3. it is identified in your 2023-2025 WMP b) The WMP Initiative number in Table 11 of your 2023-2025 WMP		
				c) The name of the initiative as it is identified in your 2022 WMP Update d) The WMP Initiative number in Table 12 of your 2022 WMP Update CalAdvocates-Liberty-2023WMP-04 Liberty		
CalAdvocates	4 CalAdvocates-Liberty-2023WMP-04	3		e) An explanation for the projected increase. For each WMP initiative for which you forecast operating expenditures in 2024 to be at least two times actual operating expenditures in 2022, please provide: a) The name of the initiative as 1-4," Tab Response 4. Aaron Louie 2/24/2023 3/31/2023 3/31/2023 3/31/2023 3/31/2023 3/31/2023 3/31/2023 3/31/2023 3/31/2023 3/31/2023 3/31/2023 4///////////////////////////////////	WMP Financials	N/A N/A
				it is identified in your 2023-2025 WMP b) The WMP Initiative number in Table 11 of your 2023-2025 WMP 1 the name of the initiative as it is identified in your 2022 WMP Update		
CalAdvocates	4 CalAdvocates-Liberty-2023WMP-04	4	CalAdv-04-4.4	d) The WMP Initiative number in Table 12 of your 2022 WMP Update e) An explanation for the projected increase. CalAdvocates-Liberty-2023WMP-04_Liberty Aaron Louie 2/24/2023 2/4/2023 3/24/2023 4/10/2023 Response 03312023.pdf (libertyutilities.com)	WMP Financials	N/A N/A
				a) As of January 1, 2022, have you identified transportation corridors within your service territory where falling or failing lines or poles could currently limit egress and/or ingress during an emergency? b) If the answer to part (a) is yes, please describe how you identify such		
CalAdvocates	5 CalAdvocates-Liberty-2023WMP-05	1	CalAdv-05-5.1	transportation corridors. c) If available, please provide a geospatial data file that contains all current identified transportation corridors with ingress and egress hazards. Provide an Excel table of all distribution circuit-segments that traverse HFTD areas (i.e., the Provide an Excel table of all distribution circuit-segments that traverse HFTD areas (i.e., the Refer to supporting file: "CalAdvocates-Liberty-2023WMP-05_Liberty Response Question" CalAdvocates-Liberty-2023WMP-05_Liberty	6	N/A N/A
				segment has greater than zero circuit-miles in HFTD) existing as of January 1, 2023. The Excel table should list each such circuit-segment as a row and include the following information in		
				separate columns. For items (n) and (r), please include all relevant risk scores. For example, include vegetation risk score, conductor risk score, and any other driver-specific risk scores you have developed. Please insert additional columns as needed to accommodate this. a) Name or		
				ID number of each circuit segment b) Circuit name for the circuit that each segment is part of c) Circuit ID for the circuit that each segment is part of		
				d) Nominal voltage e) Total circuit-miles on the circuit-segment		
				f) Overhead circuit-miles on the circuit-segment in non-HFTD Areas g) Overhead circuit-miles on the circuit-segment in HFTD Tier 2 h) Overhead circuit-miles on the circuit-segment in HFTD Tier 3		
				i) Underground circuit-miles on the circuit-segment in non-HFTD Areas j) Underground circuit-miles on the circuit-segment in HFTD Tier 2 k) Underground circuit-miles on the circuit-segment in HFTD Tier 3		
				I) Probability of ignition score for the circuit-segment, according to the risk model you used for your 2022 WMP filing		
				m) Consequence of ignition score for the circuit-segment, according to the risk model you used for your 2022 WMP filing n) Total wildfire risk score(s) for the circuit-segment, according to the risk model you used for		
				your 2022 WMP filing. Insert additional columns if needed o) Power Safety Power Shutoff (PSPS) risk score for the circuit-segment, according to the risk model you used for your 2022 WMP filing		
				p) Probability of ignition score for the circuit-segment, according to the risk model you are using for your 2023-2025 WMP filing CalAdvocates-Liberty-2023WMP-05_Liberty		
CalAdvocates	5 CalAdvocates-Liberty-2023WMP-05	2	cumav os s.z	q) Consequence of ignition score for the circuit-segment, according to the risk model you are Provide a geodatabase file containing the outputs from your current wildfire risk model (i.e., the model you are using for your 2023-2025 WMP filing), at the circuit-segment level. (This data Aaron Louie 2/24/2023 3/30/2023 4/10/2023 Response 04102023.pdf (libertyutilities.com) by desponse 04102023.pdf (libertyutilities.com) and of the 2023-2025 WMP pre-submission at the circuit-segment level.	6	IN/A N/A
				should be equivalent to the previous question, but in GIS format.) Please provide, as line features, the most recent spatial data for all circuit segments for which your current risk model calculates circuit segment-level expected risk (i.e., probability of ignition multiplied by the		
	E Colladura and a 111 and a 22	2		consequence of ignition). Include the following attributes for each circuit segment: a) Items (a) through (c) of the previous question CalAdvocates-Liberty-2023WMP-05_Liberty		NI/A
CalAdvocates CalAdvocates	5 CalAdvocates-Liberty-2023WMP-05 5 CalAdvocates-Liberty-2023WMP-05	4		b) Items (p) through (s) of the previous question. Please fill out the attached spreadsheet, CalAdvocates-Liberty-2023WMP-05_Attachment Tab 1, requesting information regarding your asset inspections in 2022. Aaron Louie 2/24/2023 3/30/2023 4/10/2023 Response 04102023.pdf (libertyutilities.com) CalAdvocates-Liberty-2023WMP-05_Liberty Aaron Louie 2/24/2023 3/30/2023 4/10/2023 Response 04102023.pdf (libertyutilities.com) Aaron Louie 2/24/2023 3/30/2023 4/10/2023 Response 04102023.pdf (libertyutilities.com)	8	N/A N/A Grid Design, operations, and maintenance (8.1) 8.1.6
				In response to Data Request CalAdvocates-Liberty-2022WMP-06, Question 7, March 24, 2022, Liberty stated, "Liberty's QA/QC processes for asset inspections were developed for implementation in 2022. The QA/QC processes will be conducted in Quarter 3 and Quarter 4 of inspect 0.5% of its 2022 detailed inspections, equating to 27 re-inspections. Of these, 24		
				2022 after Quarter 1 and Quarter 2 detailed inspections are completed." a) Did Liberty implement its QA/QC processes for asset inspections in the second half of 2022 as referenced in snow, equating to 0.44% re-inspected. Refer to supporting file: "CalAdvocates-Liberty-"		
				the quote above? b) Please summarize the results of Liberty's asset inspection QA/QC reviews in 2022. c) Did Liberty's asset inspection QA/QC reviews in 2022 lead to any corrective actions or b) 2023WMP-05_Liberty Response Question 5 and 6." c) No. The QA/QC reviews showed that there are some inconsistencies among inspectors, but the significant issues were captured by both inspections.		
				improvements, such as performing re-inspections of certain assets, revising inspection protocols, or changing training for inspectors? d) None. e) Minor inconsistencies among inspections are to be expected. Since major issues were		
CalAdvocates	5 CalAdvocates-Liberty-2023WMP-05	5		d) If the answer to part (c) is yes, please describe the actions that Liberty is taking as a result of its asset inspection QA/QC reviews. e) If the answer to part (c) is no, please explain why not. Aaron Louie 2/24/2023 3/30/2023 4/10/2023 Response 04102023.pdf (libertyutilities.com)	8	Grid Design, operations, and maintenance (8.1) 8.1.6
				In response to Data Request CalAdvocates-Liberty-2022WMP-06, Question 7, March 24, 2022, Liberty stated "Liberty's QA/QC processes for asset inspections were developed for inspection in 2022. The QA/QC processes will be conducted in Quarter 3 and Quarter 4 of o5_Liberty Response Question 6a." a) Liberty completed one Program Manager Review Acknowledgement form for 2022 asset inspection for 2022 asset inspection QA/QC activities. Refer to supporting file: "CalAdvocates-Liberty-2023WMP-05_Liberty Response Question 6a."		
				2022 after Quarter 1 and Quarter 2 detailed inspections are completed." The following questions b) Liberty completed one Senior Manager Annual Review Acknowledgement form for 2022 refer to the QA/QC processes for asset inspections that Liberty implemented in Quarter 3 and asset inspection QA/QC activities. Refer to supporting file: "CalAdvocates-Liberty-		
				Quarter 4 of 2022: a) Please provide a sample of 5 completed "Appendix A – Program Manager Question 6b." Quarterly Review Acknowledgment" forms. b) Please provide a sample of 5 completed "Appendix B – Senior Manager Annual Review 2023WMP-05_Liberty Response Question 6b." 5 and 6." This file captures the information from the third party QA/QC inspections		
CalAdvocates	5 CalAdvocates-Liberty-2023WMP-05	6		Acknowledgment" forms. c) Please provide a sample of 5 completed "Appendix C – Third Party Inspection" forms that were completed by third party contractors. completed in 2022. CalAdvocates-Liberty-2023WMP-05_Liberty CalAdvocates-Liberty-2023WMP-05_Liberty Aaron Louie 2/24/2023 3/30/2023 4/10/2023 Response 04102023.pdf (libertyutilities.com)		Grid Design, operations, and maintenance (8.1) 8.1.6

			Please augment Table 13 of the non-spatial data tables in your WMP Quarterly Data Report Q4 of 2022, which reports asset-related corrective notifications on electric circuits that were open at the end of the quarter. Add the following information in separate columns: a) Nar the associated circuit b) ID number of the associated circuit						1		
			c) Geographic latitude in decimal degrees, truncated to seven decimal places d) Geographic longitude in decimal degrees, truncated to seven decimal places					CalAdvocates-Liberty-2023WMP-05 Liberty_			Grid Design, operations, and
CalAdvocates	5 CalAdvocates-Liberty-2023WMP-05	7 CalAdv-0			Aaron Louie	2/24/2023	3/30/202	4/10/2023 Response 04102023.pdf (libertyutilities.com)		8	maintenance (8.1) 8.1.6
			that differs from the priority levels specified in General Order 95, Rule 18? b) If the answer to part (a) is yes, please explain your internal priority system. c) Do you ever re-inspect corrective notifications before they are resolved?	assess the prioritization of corrective actions and replacements.c) Yes.d) Liberty has conducted re-inspections through its detailed asset inspection program of							
CalAdvocates	5 CalAdvocates-Liberty-2023WMP-05	8 CalAdv-0	d) If the answer to the part (b) is yes, under what circumstances do you conduct re-inspect	ons? assets that were inspected as part of its full system survey conducted in 2020. Additionally, the Job Facilitator's role may include verification of issues identified during an inspection.	Aaron Louie	2/24/2023	3/30/2023	CalAdvocates-Liberty-2023WMP-05 Liberty 4/10/2023 Response 04102023.pdf (libertyutilities.com)		8	Grid Design, operations, and maintenance (8.1) 8.1.6
			Please provide a list of any incidents in 2022 where the actions of a VM contractor posed a safety risk to workers and/or the public. "Safety risk" here is defined as any occurrence on worksite where the contractor's behavior created a safety hazard for either workers or the	posed a safety risk to workers or the public.		-,-,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
CalAdvocates	6 CalAdvocates-Liberty-2023WMP-06	1 CalAdv-0	general public. For each instance, please provide: a) The date you were informed of the saissue		Aaron Louie	2/24/2023	4/19/2023	CalAdvocates-Liberty-2023WMP-06 Liberty 4/26/2023 Response 04262023.pdf (libertyutilities.com)		8	Vegetation Management and Inspections (8.2) 8.2.7
Calmuvocates	o Caravocates Liberty 2023WWI -00	1 CalAdv 0	b) The date that the original work that created the safety issue was performed Provide your workplan that describes where and when you will perform system hardening distribution circuits in 2023. For projects that you expect to partially complete in 2023 (i.e. projects that started before 2023 and are expected to continue in 2023, or projects that ar expected to be completed after 2023), please include the project and report the work wha	Response Questions 2 and 3."	Aaron Louic	2/24/2023	4/ 13/ 202		1		
CalAdvocates	6 CalAdvocates-Liberty-2023WMP-06	2 CalAdv-0	Provide your workplan that describes where and when you will perform system hardening	on Refer to tab "2024" in supporting file: "CalAdvocates-Liberty-2023WMP-06_Liberty	Aaron Louie	2/24/2023	4/19/2023	CalAdvocates-Liberty-2023WMP-06_Liberty 4/26/2023 Response 04262023.pdf (libertyutilities.com)		8	Grid Design, operations, and maintenance (8.1) 8.1.2
			distribution circuits in 2024. For projects that you expect to partially complete in 2024 (i.e. projects that are expected to start before 2024 and are expected to continue in 2024, or partial that are expected to be completed after 2024), please include the project and report the ways.	ojects					1		
CalAdvocates	6 CalAdvocates-Liberty-2023WMP-06	3 CalAdv-0	For each of your 2023-2025 WMP system hardening initiatives, please provide disaggregate		Aaron Louie	2/24/2023	4/19/2023	CalAdvocates-Liberty-2023WMP-06 Liberty Response 04262023.pdf (libertyutilities.com)		8	Grid Design, operations, and maintenance (8.1) 8.1.2
			information related to expenditures and circuit miles treated in the attached table, Cal Advocates-Liberty-2023WMP-06_Attachment Tab 1. Add extra columns as needed. Note: for purposes of this question, "line removal" refers to conductors that are permanently removal."	ed					1		
CalAdvocates	6 CalAdvocates-Liberty-2023WMP-06	4 CalAdv-0	Regarding your PSPS circuit modeling capabilities: a) Please describe your present circuit	a) Liberty's 2023 WMP section 6.2 includes the baseline PSPS risk analyses and assessment	Aaron Louie	2/24/2023	4/19/2023	CalAdvocates-Liberty-2023WMP-06_Liberty 4/26/2023 Response 04262023.pdf (libertyutilities.com)		8	Grid Design, operations, and maintenance (8.1) 8.1.2
			modeling capabilities with regard to PSPS decision-making ("PSPS circuit modeling capabilit including with what level of granularity they are able to determine how circuit hardening efforts or other changes to a line segment wil	framework has not been developed and the model inputs currently do not incorporate grid hardening efforts and is a static study. The decision-making framework would have to							
CalAdvocates	6 CalAdvocates-Liberty-2023WMP-06	5 CalAdv-0	affect PSPS thresholds. 6-6.5 b) Please describe any improvements to the present PSPS circuit modeling capabilities that Identify any ignitions in 2022 associated with assets where you had an existing corrective	consider current PSPS thresholds affecting each circuit and any current PSPS mitigation controls in place would also need to be factored in and calculated separately to support Liberty did not have any ignitions in 2022 associated with assets where it had an existing	Aaron Louie	2/24/2023	4/19/2023	CalAdvocates-Liberty-2023WMP-06 Liberty 4/26/2023 Response 04262023.pdf (libertyutilities.com)		6	Risk Analysis Framework (6.2) N/A
			notification at the time of the ignition. Please provide a spreadsheet listing each such ignit (as rows) with the following information in separate columns: a) Unique ignition ID b) Date of ignition	on corrective notification at the time of the ignition							
CalAdvocates	6 CalAdvocates-Liberty-2023WMP-06	6 CalAdv-0	UT TYPE OF ASSOCIATED WITH THE PENTION	g the a) In its 2023 WMP, Liberty provides a map in Figure 5-11 showing its service territory	Aaron Louie	2/24/2023	4/19/2023	CalAdvocates-Liberty-2023WMP-06_Liberty 4/26/2023 Response 04262023.pdf (libertyutilities.com)		8	Grid Design, operations, and maintenance (8.1) 8.1.2
			85th percentile consequence calculation." a) Why hasn't Liberty conducted a wildfire risk assessment using the 85th percentile consequence calculation? b) What other wildfire risk assessments has Liberty conducted instead?	overlaid with the Social Vulnerability Index (SVI) and its current Reax wildfire risk polygons. Liberty provides an additional map in Appendix C of its 2023 WMP showing the SVI distribution, Liberty's updated utility risk analysis in its 2023 WMP, and major roads.							
CalAdvocates	7 CalAdvocates-Liberty-2023WMP-07	1 CalAdv-0		Due to increased risk modeling requirements in the Office of Energy Infrastructure Safety	Talal Harahsheh	5/18/2023	5/23/202	CalAdvocates-Liberty-2023WMP-07 Liberty S/23/2023 Response 05232023.pdf (libertyutilities.com)		5	Community Values at Risk (5.4) 5.4.3.2
			Survey reports produced by CAL FIRE identified 10 sub-divisions in South Lake Tahoe with secondary egress, and one with limited egress. These sub-divisions consist mostly of single						1		
CalAdvocates	7 CalAdvocates-Liberty-2023WMP-07	2 CalAdv-0	FIRE identified 21 subdivisions with no secondary egress, and three with limited egress. Th		Talal Harahsheh	5/18/2023	5/23/202	CalAdvocates-Liberty-2023WMP-07_Liberty 5/23/2023 Response 05232023.pdf (libertyutilities.com)		5	Community Values at Risk (5.4) 5.4.3.3
			coordination for O&M activities difficult, sometimes resulting in delayed activities or their cancellation entirely." a) Please describe what methods or strategies Liberty has adopted t ameliorate the problem noted above.	Door hangers							
CalAdvocates	7 CalAdvocates-Liberty-2023WMP-07	3 CalAdv-0	b) Please describe Liberty's method of maintaining accurate and up-to-date contact inform	Social media posts Email	Talal Harahsheh	5/18/2023	5/23/202	CalAdvocates-Liberty-2023WMP-07 Liberty 5/23/2023 Response_05232023.pdf (libertyutilities.com)		5	Community Values at Risk (5.4) 5.4.5
			Agency] to update an existing memorandum of understanding ("MOU") for O&M activities								
CalAdvocates	7 CalAdvocates-Liberty-2023WMP-07	4 CalAdv-0	understanding with Tahoe Regional Planning Agency? b) If the answer the part (a) above i		Talal Harahsheh	5/18/2023	5/23/202	CalAdvocates-Liberty-2023WMP-07_Liberty 5/23/2023 Response 05232023.pdf (libertyutilities.com)		5	Community Values at Risk (5.4) 5.4.5
			Although the current approach provides significant advancements over earlier efforts, it w neither reasonable nor feasible to conduct all the calculations and analyses provided in the	2023 WMP submission. Refer to the OEIS 2023-2025 Wildfire Mitigation Plan Technical Guidelines for the calculations and analysis provided in the guidelines.							
CalAdvocates	7 CalAdvocates-Liberty-2023WMP-07	5 CalAdv-0	2023-2025 Wildfire Mitigation Plan Technical Guidelines ("Technical Guidelines") prior to Liberty's 2023 WMP submission. Liberty, however, is committed to continuing to evolve an improve its risk modeling practices and intends to conduct the analyses and calculations	risk analytics utilizing its Wildfire Risk Reduction Model ("WRRM"). Liberty received its	Talal Harahsheh	5/18/2023	5/23/202	CalAdvocates-Liberty-2023WMP-07_Liberty 5/23/2023 Response 05232023.pdf (libertyutilities.com)		6	Risk Methodology and Assessment 6
CalAdvocates	/ CalAdvocates-Liberty-2025WWII-07	S CalAdv-0	Page 70 of Liberty's WMP states that social vulnerability, physical vulnerability, and coping capabilities are not factors currently included in the wildfire risk analysis though Liberty in	a) Liberty has not determined all attributes/characteristics it will utilize to define physical vulnerability. Liberty considers Medical Baseline (MBL) and some Access and Functional		3/13/2023	3/23/202	S S/25/2025 Response 05252025.pdf (libertydtilities.com)			Nisk Wethodology and Assessment
			to incorporate these factors in its future risk modeling process. a) When Liberty eventually incorporates the factor "physical vulnerability" within future wildfire risk analyses, what attributes/characteristics would Liberty utilize to define "physical vulnerability"?	assign weights to different customer categories (i.e., AFN/MBL, Commercial, Residential, Critical Facilities) based on physical vulnerability. b) Liberty maintains a list of MBL		F (4.0 (2022)	5 /22 /202	CalAdvocates-Liberty-2023WMP-07 Liberty			
CalAdvocates	7 CalAdvocates-Liberty-2023WMP-07	6 CalAdv-0	Please provide an Excel sheet listing of each sustained outage that was caused by equipme failure for the period from 2020 to 2022 in any HFTD area. A sustained outage is an outage		Talal Harahsheh	5/18/2023	5/23/202	Response_05232023.pdf (libertyutilities.com)		6	Risk Methodology and Assessment 6.2
Col Advantage	0 Calladira anton Librario 2022/A/AD 00	1 Callada O	lasts for five or more minutes. The Excel sheet should list each outage as a row, with the following information in columns: a) ID number of the circuit affected. b) Name of the circuit affected.		Talal Hasababab	F /40 /2022	5 /22 /202	CalAdvocates-Liberty-2023WMP-08_Liberty	1		Grid Design, operations, and
CalAdvocates	8 CalAdvocates-Liberty-2023WMP-08	1 CalAdv-0	Page 70 of Liberty's WMP states that social vulnerability is not a factor currently included i	leling to submission of the 2023 WMP, Liberty was not able to incorporate social vulnerability	Talal Harahsheh	5/18/2023	5/23/202	Response 05252023.pdf (libertyutilities.com)		8	maintenance (8.1)
			a) Please identify the constraint(s) that hindered the incorporation of social vulnerability p to Liberty's 2023 WMP submission.	this enhancement in its future WMP filings.							
CalAdvocates	9 CalAdvocates-Liberty-2023WMP-09	1 CalAdv-0	b) State when Liberty anticipates being able to include social vulnerability as part of Libert risk modeling process.c) In which year of this WMP cycle does Liberty plan on being able to include social vulnerability in its future risk modeling process?		Talal Harahsheh	5/26/2023	6/1/202	CalAdvocates-Liberty-2023WMP-09_Liberty 6/1/2023 Response 06012023.pdf (libertyutilities.com)		6	Risk Methodology and Assessment 6.2
			Page 70 of Liberty's WMP states that physical vulnerability is not a factor currently include Liberty's wildfire risk analysis, though Liberty intends to incorporate it in its future risk mo process. a) Please identify the constraint(s) that hindered the incorporation of physical	a) Liberty's current fire science consultant, Dr. Chris Lautenberger, has advised Liberty that there is currently no validated generalized methodology that relates physical characteristics of structures to their survivability in wildland fires. Put differently, it is	t						
CalAdvocates	9 CalAdvocates-Liberty-2023WMP-09	2 CalAdv-0	vulnerability prior to Liberty's 2023 WMP submission. b) State when Liberty anticipates being able to include physical vulnerability as part of Liberty and Company of Liberty of Liberty and Company of Liberty of	Liberty's understanding that fragility curves to quantify a structure's probability of being	Talal Harahsheh	5/26/2023	6/1/202	CalAdvocates-Liberty-2023WMP-09 Liberty 6/1/2023 Response 06012023.pdf (libertyutilities.com)		6	Risk Methodology and Assessment 6.2
			Page 70 of Liberty's WMP states that coping capability is not a factor currently included in Liberty's wildfire risk analysis, though Liberty intends to incorporate it in its future risk mo process.	a) With the WMP technical guidelines issued approximately 3 months prior to submission							
CalAdvocates	9 CalAdvocates-Liberty-2023WMP-09	3 CalAdv-0	a) Please identify the constraint(s) that hindered the incorporation of coping capability pri Liberty's 2023 WMP submission. 9-9.3 b) State when Liberty anticipates being able to include coping capability as part of Liberty's	b) Liberty plans to incorporate coping capacity in 2024 and report on this enhancement in its future WMP filings.	Talal Harahsheh	5/26/2023	6/1/202	CalAdvocates-Liberty-2023WMP-09_Liberty 6/1/2023 Response 06012023.pdf (libertyutilities.com)		6	Risk Methodology and Assessment 6.2
			Page 70 of Liberty's WMP states the following factors are included as part of Liberty's wildfrisk analysis: Equipment/assets, Topography, Weather, Vegetation, Climate change, Assets risk, and Fire ignition and spread.	re a) Equipment/assets: GIS data are used to construct an ignition buffer surrounding							
CalAdvocates	9 CalAdvocates-Liberty-2023WMP-09	4 CalAdv-0	Please explain how each of these factors impacts Liberty's quantification of risk at the circulevel:		Talal Harahsheh	5/26/2023	6/1/2023	CalAdvocates-Liberty-2023WMP-09 Liberty 6/1/2023 Response 06012023.pdf (libertyutilities.com)		6	Risk Methodology and Assessment 6.2
			Page 70 of Liberty's WMP states the following factors are included as part of Liberty's wildfrisk analysis: • Equipment/assets,			3,23,202	2, 2, 222				
CalAdvocates	9 CalAdvocates-Liberty-2023WMP-09	5 CalAdv-0	Topography,Weather,	Topography, weather, vegetation, climate change, assets at risk: Liberty is an end user – not a developer – of these datasets that serve as inputs to its fire spread modeling. In all	Talal Harahsheh	5/26/2023	6/1/202	CalAdvocates-Liberty-2023WMP-09_Liberty 6/1/2023 Response 06012023.pdf (libertyutilities.com)		6	Risk Methodology and Assessment 6.2
			Page 71 of Liberty's WMP states that "Finally, Liberty also does not consider burn probabil from fires caused by sources other than utilities as in the Technical Guidelines." Please explain why Liberty does not consider the burn probability from fires caused by sou	Liberty's fire risk modeling currently addresses only fires caused by its infrastructure. Impacts from other fires to Liberty's system is a grid resiliency issue that Liberty may		2, 2, 2	-, ,				
CalAdvocates	9 CalAdvocates-Liberty-2023WMP-09	6 CalAdv-0	other than utilities.	address in the rature after its atimty caused inc risk modeling has matured	Talal Harahsheh	5/26/2023	6/1/202	CalAdvocates-Liberty-2023WMP-09 Liberty 6/1/2023 Response 06012023.pdf (libertyutilities.com)		6	Risk Methodology and Assessment 6.2
	232344411 03	- Cainav-0	Page 81 of Liberty's WMP, states "Overall utility risk is calculated by circuit from wildfire risk PSPS risk, with an 80% weight to wildfire risk and 20% to PSPS risk."	The sentence "Overall utility risk is calculated by circuit from wildfire risk and PSPS risk, with an 80% weight to wildfire risk and 20% to PSPS risk" contains a typographical error. It isk should read "Overall utility risk is calculated by summing wildfire risk and PSPS risk by		-, ->, LVLV	J, <u>2</u> , 202.				G, 1313555
CalAdvocates	9 CalAdvocates-Liberty-2023WMP-09	7 CalAdv-0	and PSPS risk. b) Has Liberty consulted with any agencies, universities, research groups, or other entities	circuit." The statement about 80/20 weighting was inadvertently left in Liberty's 2023 on the WMP from a previous draft.	Talal Harahsheh	5/26/2023	6/1/2023	CalAdvocates-Liberty-2023WMP-09_Liberty 6/1/2023 Response 06012023.pdf (libertyutilities.com)		6	Risk Methodology and Assessment 6.2
		Culnuv-0	Page 96 of Liberty's WMP presents Table 6-7: Liberty Top-Risk Circuits, which provides risk for Liberty's top 20 risk-contributing circuits. With this context: a) Does Liberty sequence its top risk circuit projects one by one according to the risk ranking circuits.	cores a) Liberty works on multiple circuits simultaneously. b) Liberty plans to conduct grid design and system hardening work on 16 of the top 20 risk		2, 23, 2525	-, -, -,				5, 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
CalAdvocates	9 CalAdvocates-Liberty-2023WMP-09	8 CalAdv-0	does Liberty work on multiple top risk circuit projects simultaneously? b) On how many of the top 20 risk-contributing circuits will Liberty complete grid design ar	c) No. d) As stated in Section 7.2.2.3 of its 2023 WMP, Liberty does not yet have sufficient	Talal Harahsheh	5/26/2023	6/1/2023	CalAdvocates-Liberty-2023WMP-09 Liberty 6/1/2023 Response 06012023.pdf (libertyutilities.com)		6	Risk Methodology and Assessment 6.4
53.7.41564165	ZOZOWINI OJ	_ CalAuv-0	Page 96 of Liberty's WMP presents Table 6-7: Liberty Top-Risk Circuits, which provides risk for Liberty's top 20 risk-contributing circuits. Please provide an Excel table that augments Table 6-7 with information about planned wil	cores Refer to file: CalAdvocates-Liberty-2023WMP-09_Liberty Response Question 9	a samulation of the samulation	3, 20, 2023	J, <u>1</u> , 202.	, ,			0.4
CalAdvocates	9 CalAdvocates-Liberty-2023WMP-09	9 CalAdv-0	mitigation measures on each circuit during the 2023-2025 WMP cycle. Specifically, the table should add these new columns to Table 6-7:		Talal Harahsheh	5/26/2023	6/1/2022	CalAdvocates-Liberty-2023WMP-09 Liberty 6/1/2023 Response 06012023.pdf (libertyutilities.com)	1	c	Risk Methodology and Assessment 6.4
CaiAuvocates	J Cainavocates-Liberty-2025WWP-09	S CalAdv-0	Pages 104-105 of Liberty's WMP states: In late January 2023, Liberty signed a formal agreement with Direxyon to pilot its asset risk	a) Refer to file: CalAdvocates-Liberty-2023WMP-09_Liberty Response Question 10a for the scope of work of the pilot project with Direxyon. Liberty provided data to Direxyon that		3/ 20/ 2023	0/ 1/ 202	o, 1, 2023 <u>response odotzozs.pai (iibertyutilities.com)</u>		6	6.4
CalAdvocates	9 CalAdvocates-Liberty-2023WMP-09	10 CalAdv-0	decision-making solution to be incorporated, in part, in this WMP. If the pilot is successful the pole asset type and produces effective decision-making tools Liberty will continue but out the risk-informed decision-making tools for multiple assets to better plan future	Iding in service risk for pole assets. The information included, but was not limited to, pole age, pole type, date of last inspection, GO 165 condition findings, vegetation LiDAR clearance	Talal Harababab	5/26/2023	6/4/200	CalAdvocates-Liberty-2023WMP-09 Liberty 6/1/2023 Response 06012023.pdf (libertyutilities.com)	1		Risk Methodology and Assessment 6.7
CalAuvocates	5 Can avocates-Liberty-2025WIVIP-09	CaiAdv-U	Page 107 of Liberty's WMP states "Liberty's strategy development for this WMP did not uti wildfire risk scores developed by Reax."	b) Liberty plans on utilizing the wildfire risk scores developed by Reax in 2024.		JI 201 2023	o/ 1/ 2UZ:	, ., ., ., ., ., ., ., ., ., ., .,			b./
CalAdvocates	9 CalAdvocates-Liberty-2023WMP-09	11 CalAdv-0	 a) Does Liberty plan on utilizing the wildfire risk scores developed by Reax to help plan fut decisions regarding wildfire mitigation? b) If the answer to part (a) above is yes, when does Liberty plan on utilizing the wildfire ris 	portfolio plan approach in its next WMP that incorporates data analytics and risk-	n Talal Harahsheh	5/26/2023	6/4/202	CalAdvocates-Liberty-2023WMP-09 Liberty 6/1/2023 Response 06012023 pdf (libertyutilities com)			Wildfire Mitigation Strategy
CalAuvocates	5 CarAuvocates-Liberty-2023WMP-09	LI CalAdv-0	On page 173 of its WMP, Liberty states that its 2022 target for Patrol Inspections of Distribution of Liberty to Electric Lines and Equipment was erroneously established at 706.3 miles, causing Liberty to	miss territory. Liberty does not perform patrol inspections in areas where detailed inspections		5/20/2023	o/ 1/ 2023	Response_06012023.pdf (libertyutilities.com)			Development
Colladore	10 CalAdvocatos Liberty 2022 (12.42	1	its 2022 inspection target by 203 miles. Please respond to the following: a) Explain how Liberty mistakenly set a target of 706.3 miles. b) State the basis for why Liberty believes the target should have been closer to 503 miles (the amount Liberty was able to	b) Liberty's 2022 target of 503 miles for Patrol Inspections of Distribution Electric Lines	Talal Hareket	E /3.C /3.2.2.2	C 4 10 = =	CalAdvocates-Liberty-2023WMP-10 Liberty 6/2/2023 Response 06022023 pdf (liberty-utilities com)			Grid Design, operations, and
CalAdvocates	10 CalAdvocates-Liberty-2023WMP-10	ı CalAdv-1	0-10.1 complete in 2022).	and Equipment is a function of total overhead miles (706.3 miles) minus detailed	ji aiai ⊓aransheh	5/26/2023	b/1/2023	8 6/2/2023 Response 06022023.pdf (libertyutilities.com)		8	maintenance (8.1) 8.1.3

				On page 174 of its WMP, Liberty states that it completed Quality Assurance and Quality Control (QA/QC) on 0.0044% of its detailed asset inspections in 2022, while Liberty's target was to QA/QC 0.0050% of the detailed asset inspections in 2022. Please respond to the following: a) How many individual asset inspections did Liberty conduct QA/QC on in 2022?	b) Yes. c) N/A d) 15 transmission (60 kV) and 9 distribution.		ColAdverstes Liberty 2022WAR 10 Liberty	Crid Design, energtions, and
CalAdvocates	10 CalAdvocates-Liberty-2023WMP-10	2	CalAdv-10-10.2	b) Are both transmission and distribution detailed inspections included in the 0.0044% figure?	e) Refer to file: CalAdvocates-Liberty-2023WMP-10_Liberty Response Question 2. f) Liberty targeted 0.5% of detailed inspections as its OA/OC target as a starting point for Talal Harahsheh	5/26/2023	6/1/2023 CalAdvocates-Liberty-2023WMP-10 Liberty 6/1/2023 Response 06022023.pdf (libertyutilities.com)	Grid Design, operations, and maintenance (8.1)
cantavocates	To currently 2023 Will 10		Cui/(d v 10 10.2		a) The discrepancy is a typo. Liberty's QA/QC target for detailed asset inspections is 0.5%.	3/20/2023	0/1/2023	o mantenance (c.1)
				with a 0.5% sample of detailed inspections that were re-inspected by third-party inspectors. Minimal differences were noted by the third-party inspectors, who found only very minor	b) N/A			
				infractions during the re-inspections if differences were noted at all. a) Please explain the apparent discrepancy between the targets stated on pages 174 and 182 for			CalAdvocates-Liberty-2023WMP-10_Liberty_	Grid Design, operations, and
CalAdvocates	10 CalAdvocates-Liberty-2023WMP-10	3	CalAdv-10-10.3	OA/OC of detailed asset inspections (0.005% on page 174 and 0.5% on page 182).	Talal Harahsheh	5/26/2023	6/1/2023 6/2/2023 Response 06022023.pdf (libertyutilities.com)	8 maintenance (8.1)
				On page 182 of its WMP, Liberty states that it implemented its asset inspection QA/QC in 2022				
				with a 0.5% sample of detailed inspections that were re-inspected by third-party inspectors. Minimal differences were noted by the third-party inspectors, who found only very minor	b) Six re-inspections noted minor differences. c) Examples include noting Level 3 differences such as foreign sign, loose secondary down			
				infractions during the re-inspections if differences were noted at all.	guy, and auto splice 1" away from insulator.			
CalAdvocates	10 CalAdvocates-Liberty-2023WMP-10	4	CalAdv 10 10 4	Please respond to the following:	Talal Harahsheh	5/26/2023	CalAdvocates-Liberty-2023WMP-10_Liberty	Grid Design, operations, and maintenance (8.1)
CalAdvocates	10 CalAdvocates-Liberty-2023 WIVIP-10	4	CalAdv-10-10.4	a) How many third-party OA/OC checks were completed on detailed asset inspections in 2022? On page 183 of its WMP, Liberty states:	a) Liberty halted its detailed inspections on January 1st, 2023, with the exception of	5/26/2023	6/1/2023 6/2/2023 Response_06022023.pdf (libertyutilities.com)	8 maintenance (8.1)
				As of May 1, 2023, Liberty has halted its detailed inspections in 2023 to eliminate its backlog of				
					b) 40.3 circuit miles.			
				Liberty also states that it "will halt its detailed inspections in order to catch up with its open maintenance work orders and resume detailed inspections in 2024."	c) Liberty has not completed detailed inspections yet in 2023. d) Liberty is currently planning to resume its detailed inspections on January 1st, 2024.		CalAdvocates-Liberty-2023WMP-10_Liberty_	Grid Design, operations, and
CalAdvocates	10 CalAdvocates-Liberty-2023WMP-10	5	CalAdv-10-10.5	Please respond to the following:	e) Liberty will remain in compliance with GO95 and 165. Talal Harahsheh	5/26/2023	6/1/2023 6/2/2023 Response 06022023.pdf (libertyutilities.com)	8 maintenance (8.1)
				On page 183 of its WMP, Liberty states: As of May 1, 2023, Liberty has halted its detailed	a) Liberty is halting its detailed overhead inspections in 2023 in order to avoid further			
				inspections in 2023 to eliminate its backlog of open work orders. Both contract crews and	overlap of infractions found in its 2020 full system survey and prioritize repairs to			
				internal crews are working to expedite the process. Please respond to the following:	infractions found during the system survey b) Liberty's full system survey completed in 2020 included all overhead lines that normally			
				· ·	are inspected over a five-year period. Liberty will remain compliant during 2023 without		CalAdvocates-Liberty-2023WMP-10_Liberty_	Grid Design, operations, and
CalAdvocates	10 CalAdvocates-Liberty-2023WMP-10	6	CalAdv-10-10.6	open work orders on Liberty's system, as referenced in the quote above.	completing any overhead detailed inspections. Talal Harahsheh	5/26/2023	6/1/2023 6/2/2023 Response 06022023.pdf (libertyutilities.com)	8 maintenance (8.1)
				a) Describe Liberty's current staffing resources allocated to each of the following items under asset management, including but not limited to:	a) Liberty's current staffing resources include: a. Inspections: Five internal inspectors and one contract inspector			
				a. Inspections	b. Maintenance: Four internal crews and three contract crews available			
				b. Maintenance	c. Open work orders and other: Same as above plus five internal troublemen			
alAdvocates	10 CalAdvocates-Liberty-2023WMP-10	7	CalAdv-10-10.7	c. Resolution of open work orders and any other items not listed above.	b) Liberty's current staffing has been sufficient to comply with regulatory requirements for Talal Harahsheh	5/26/2023	6/1/2023 CalAdvocates-Liberty-2023WMP-10_Liberty 6/1/2023 Response 06022023.pdf (libertyutilities.com)	
uiAdvocates	To culturocates Elberty 2025 WIVII 10	,	CuiAdV 10 10.7	b) Please explain how Liberty's current staffing is sufficient or not sufficient to comply with Page 109 of Liberty's WMP states that "Liberty sought to separately strategize future risk model	assermanderment and inspection.	3/20/2023	0/1/2023	
				refinements and approaches by onboarding new vendors to help develop a formal risk model				
				decision framework for Liberty."				
				a) Are the "new vendors" that Liberty refers to above IBM and Direxyon? b) If the answer to part (a), above is no, please provide the name of the vendors and a			Liberty Response to DR CalAdvocates-Liberty-	
lAdvocates	11 CalAdvocates-Liberty-2023WMP-11	1	CalAdv-11-11.1	description of how Liberty is utilizing each vendor to develop its formal risk model decision	Talal Harahsheh	6/1/2023	6/6/2023 6/6/2023 2023WMP-11.pdf (libertyutilities.com)	7 Risk Evaluation (7.1)
				Pages 109-110 discuss Liberty's risk evaluation process and how Liberty utilizes Figure 7-1: Risk				
				Identification and Analysis for WMP. With this context: a) What is the total number of "discussion points" that Liberty will plot on Figure 7-1 while	risk evaluation process as Liberty advances its risk model decision framework. b) Examples of discussion points included in the risk evaluation process are:			
				conducting its risk evaluation process?	• identification of all risk events:			
				b) Please list all of the "discussion points" that Liberty will plot on Figure 7-1 as part of the risk	• likelihood of wildfire risk drivers;		<u>Liberty Response to DR CalAdvocates-Liberty-</u>	
CalAdvocates	11 CalAdvocates-Liberty-2023WMP-11	2	CalAdv-11-11.2	identification and analysis.	• impacts of significant weather (snow and wind) on asset degradation and health: Talal Harahsheh	6/1/2023	6/6/2023 6/6/2023 2023WMP-11.pdf (libertyutilities.com)	7 Risk Evaluation (7.1)
				Pages 116-117 of Liberty's WMP identify the Topaz circuit as being in an area of elevated wildfire risk. Liberty also states that it did not assess risk drivers impacting the overall risk score and	b) Liberty is completing traditional overhead hardening on three projects in 2023. Those			
				used older studies to support this WMP. With this context:	projects are Cunningham Lane, Eastside Lane, Larsen Lane. Liberty is also replacing or			
				a) Does Liberty have any system hardening mitigation work planned in 2023 for the Topaz circuit	repairing various poles on this circuit to address needs found during system surveys.		Liberty Response to DR CalAdvocates-Liberty-	
alAdvocates	11 CalAdvocates-Liberty-2023WMP-11	3	CalAdv-11-11.3	listed above? b) If the answer to part (a) above is yes, please identify the mitigation work selected for the circuit.	c) N/A d) Yes Talal Harahsheh	6/1/2023	6/6/2023 6/6/2023 2023WMP-11.pdf (libertyutilities.com)	7 Risk Evaluation (7.1)
				Pages 116-117 of Liberty's WMP identify the Muller circuit as being in an area of elevated	a) Yes.	5, 2, 222		
				wildfire risk. Liberty also states that it did not assess risk drivers impacting the overall risk score	b) Liberty is replacing or repairing various poles on this circuit to address needs found			
				and used older studies to support this WMP. With this context: a) Does Liberty have any system hardening mitigation work planned in 2023 for the Muller	during system surveys. c) N/A			
				circuit listed above?	e) Liberty is replacing or repairing various poles on this circuit to address needs found		Liberty Response to DR CalAdvocates-Liberty-	
alAdvocates	11 CalAdvocates-Liberty-2023WMP-11	4	CalAdv-11-11.4	b) If the answer to part (a) above is ves. please identify the mitigation work selected for the	during system surveys. Liberty is also planning to do some system hardening on this Talal Harahsheh	6/1/2023	6/6/2023 6/6/2023 2023WMP-11.pdf (libertyutilities.com)	7 Risk Evaluation (7.1)
				Pages 116-117 of Liberty's WMP identify the Meyers circuit as being in an area of elevated wildfire risk. Liberty also states that it did not assess risk drivers impacting the overall risk score	b) Liberty is planning to complete two covered conductor projects on Meyers circuits in			
				and used older studies to support this WMP. With this context:	2023. Those projects are Celio A (1.6 miles) and Celio B (0.93 miles). Liberty will also			
				a) Does Liberty have any system hardening mitigation work planned in 2023 for the Meyers	complete 0.11 miles of undergrounding on the Cascade Project. Liberty is also replacing or		Liberty Bernera BB Caldely acted Liberty	
alAdvocates	11 CalAdvocates-Liberty-2023WMP-11	5	CalAdv-11-11.5	circuit listed above?	repairing various poles on these circuits to address needs found during system surveys.	6/1/2023	Liberty Response to DR CalAdvocates-Liberty- 6/6/2023 6/6/2023 2023WMP-11.pdf (libertyutilities.com)	7 Risk Evaluation (7.1)
a.r. a rocates	Curria vocates Liberty 2025 WIVIF 11	<u> </u>	CaiAuv-11-11.3	b) If the answer to part (a) above is ves. please identify the mitigation work selected for the Page 127 of Liberty's WMP states, "Liberty is currently evaluating wildfire risk results in	During the 2023-2025 WMP cycle.	0/ 1/ 2023	S, S, ESES S, S, ESES TITE TENNIT TENNIT THE TENIT THE TENNIT THE TENIT THE TENNIT THE T	/ Misk Evaluation (7.1)
				consultation with its analytics team. Liberty has developed an interim mitigation strategy for its				
				vegetation portfolio and plans to expand this strategy to incorporate assets in the future."				
				When does Liberty anticipate it will have expanded its interim mitigation strategy to incorporate asset management measures, as referenced in the quote?			Liberty Response to DR CalAdvocates-Liberty-	
alAdvocates	11 CalAdvocates-Liberty-2023WMP-11	6	CalAdv-11-11.6		Talal Harahsheh	6/1/2023	6/6/2023 6/6/2023 2023WMP-11.pdf (libertyutilities.com)	7 Risk Evaluation (7.1)
				Page 128 of Liberty's WMP states, "Liberty is actively planning and executing wildfire mitigation	a) No.			
				initiatives while developing its risk based decision-making process." a) Are any WMP activities or initiatives that Liberty is executing in 2023 based upon the	c) The abovementioned risk based decision-making process is not complete. Liberty used			
				abovementioned risk based decision-making process?	risk-based principles and tools (i.e., Reax risk map) to inform decision-making.			
alAdvocates	11 Cal Adversator Liberty 2022 MAD 44	7	Calad: 44 44 7	b) If the answer to part (a) is yes, please explain which activities or initiatives in 2023 flow from	T-1-1111-1-1-1	6/1/2023	Liberty Response to DR CalAdvocates-Liberty-	7 Diely Frankrich (7.4)
aiAuvocates	11 CalAdvocates-Liberty-2023WMP-11	/	CalAdv-11-11.7	the risk based decision-making process. Page 135 of Liberty's WMP states:	a) Examples of evaluation criteria Liberty considered are cost, accuracy of risk	0/1/2023	6/6/2023 6/6/2023 2023WMP-11.pdf (libertyutilities.com)	7 Risk Evaluation (7.1)
				In conjunction with this study, Liberty also plans to assess the asset risk reduction and	identification and model outputs, system compatibility, the feasibility of scenarios and			
				vegetation risk reduction at an operational performance level utilizing IBM's work management	the ability to operationalize model outputs given available resources.			
				platform. IBM's Maximo asset health and predict solution that was customized for Liberty will integrate asset risk and detailed vegetation risk scores to help asset and vegetation managers	b) Liberty has decided to not move forward with IBM's proposed solution at this time. c) Liberty has decided to not move forward with IBM's proposed solution at this time.		Liberty Response to DR CalAdvocates-Liberty-	
alAdvocates	11 CalAdvocates-Liberty-2023WMP-11	8	CalAdv-11-11.8	better assess operational risk to plan and adjust work activities for significant weather event	Talal Harahsheh	6/1/2023	6/6/2023 6/6/2023 2023WMP-11.pdf (libertyutilities.com)	7 Risk Evaluation (7.1)
				Page 138 of Liberty's WMP states:	a) Liberty plans to have an initial risk-informed decision-making framework for overhead			
				Liberty's risk-informed decision-making framework is under development. Liberty's engineering,	, -			
				planning, and regulatory staff will need three to six months post-product/service delivery of all risk studies to fully engage with internal subject matter experts to evaluate the results of the	wildfire risk modeling is an ongoing process that is informed by the results of current risk			
				risk analyses.	studies (i.e., Technosylva modeling results, Reax modeling results, Direxyon outputs), OEIS		Liberty Response to DR CalAdvocates-Liberty-	
alAdvocates	11 CalAdvocates-Liberty-2023WMP-11	9	CalAdv-11-11.9	a) When (i.e., month and year) does Liberty expect the development (referenced in the quote	risk modeling guidelines, and collaborative discussions with stakeholders through Talal Harahsheh	6/1/2023	6/6/2023 6/6/2023 2023WMP-11.pdf (libertyutilities.com)	7 Risk Evaluation (7.1)
				Please provide Liberty's Pre-submission 2023-2025 WMP Base Plan filed on March 6, 2023, with the OEIS per the 2023 WMP Guidelines and Schedule document. Including all attachments and				
				associated supporting documents required for the Pre-submission 2023-2025 WMP Base Plan			GPI_Liberty_2023WMP_01_Liberty_	WMP Pre-
	1 GPI-Liberty-2023WMP-01	1	GPI-01-1.1	filing	Gregg Morris	3/6/2023	3/9/2023 3/8/2023 Response 03082023.pdf (libertyutilities.com)	Submission Administrative