od.				Liberty 2023 WMP Discovery Log							
ed: 4/20/2023 Party Name	DR Set # Data Request	Question No.	Question ID	Question Responses Requestor Please provide a copy of each WMP-related document, submission, or report you submit to the Refer to attachment: "2023-03-06_Liberty_2023_WMP-RO" for Liberty's 2023 WMP pre-	Date Received	Final Date Due	Date Sent Links	Number of Attachements	Attachment Links NDA Required? WMP Section	Category	Subcategory
				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 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 context concerning information or statements in your WMP (and any subsequent revisions or		N/A	CalAdvocates-Liberty-2023WMP-01 Liberty	1	WMP Pre-		
CalAdvocates CalAdvocates	1 CalAdvocates-Liberty-2023WMP-01 1 CalAdvocates-Liberty-2023WMP-01	2	CalAdv-01-1.1 CalAdv-01-1.2	change orders affecting your WMP). Please provide a copy of your WMP pre-submission within two business days of its submission to Energy Safety. Provide a copy of all documents or files that are referenced in your WMP Quarterly Data Reports Aaron Louie	2/24/2023	N/A	3/8/2023 Response 03082023.pdf (libertyutilities.com) CalAdvocates-Liberty-2023WMP-01_Liberty 3/8/2023 Response 03082023.pdf (libertyutilities.com)	1	Submission WMP Pre- Submission	Administrative Administrative	N/A N/A
CalAdvocates	1 CalAdvocates-Liberty-2023WMP-01	3	CalAdv-01-1.3	and submitted to Energy Safety (including but not limited to all PDFs, spatial data files, non-spatial data files, and confidential attachments) on the same business day that the document is sent to Energy Safety. February 1, 2023. However, due to technical issues with the CPUC Kiteworks platform, Liberty was not able to provide copies of these files until February 9, 2023. Aaron Louie	2/24/2023	N/A	CalAdvocates-Liberty-2023WMP-01_Liberty 3/8/2023 Response 03082023.pdf (libertyutilities.com)		WMP Pre- Submission	Administrative	N/A
CalAdvocates	1 CalAdvocates-Liberty-2023WMP-01	4	CalAdv-01-1.4	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: a) Confidential responses to WMP discovery requests issued by Energy Safety. b) Confidential responses to WMP discovery requests issued by other entities. Liberty will provide CalAdvocates with copies of responses to 2023 WMP discovery requests made by Energy Safety and other entities. Aaron Louie	2/24/2023	N/A	CalAdvocates-Liberty-2023WMP-01_Liberty 3/8/2023 Response 03082023.pdf (libertyutilities.com)		WMP Pre- Submission	Administrative	N/A
CalAdvocates	2 CalAdvocates-Liberty-2023WMP-02	1	CalAdv-02-2.1	Please identify and provide a copy of all quality assurance or quality control (QA/QC) reports 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. For Vegetation Management programs, Liberty performs a post-work documentation 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 of its asset inspections QA/QC program in 2022. Liberty plans to provide this information to CalAdvocates by March 17, 2023.	2/24/2023	3/10/2023	CalAdvocates-Liberty-2023WMP-02_Liberty_			Grid Design, operations, and maintenance (8.1). Vegetation Management (8.2)	8.1.6, 8.2.5
Caindvocates	2 Calificates-Liberty-2025WWII-02	<u>. </u>	Calhav 02-2.1	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,	2/24/2023	3/ 10/ 2023	3) 10) 2023 <u>Response_03102023.pdr (insertydelineles.com)</u>			ivianagement (6.2)	0.1.0, 0.2.3
				and Independent Evaluators. • QC of Completed Work folder • QC of Inspections folder Liberty is in the process of collecting QA/QC materials 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			CalAdvocates-Liberty-2023WMP-02_Liberty	6		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 Aaron Louie Liberty did not receive any Notices of Defects from Energy Safety in 2022.	2/24/2023	3/10/2023			8	Management (8.2)	8.1.6, 8.2.5
				circuit name b) Defect type 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 explanation. h) Priority level of corresponding corrective tag							
CalAdvocates	2 CalAdvocates-Liberty-2023WMP-02	3	CalAdv-02-2.3	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. 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 Liberty did not receive any Notices of Violations from Energy Safety in 2022.	2/24/2023	3/10/2023	CalAdvocates-Liberty-2023WMP-02_Liberty 3/10/2023 Response 03102023.pdf (libertyutilities.com)		12	Notices of Violation and Defect	N/A
				circuit name b) Violation type c) Description of violation d) 2022 WMP initiative (from your 2022 WMP update) associated with violation e) Date that the violation was identified f) Date that the violation was corrected g) If the violation has not yet been corrected as of the issuance date of this data request, a brief explanation h) Priority level of corresponding corrective tag i) Geographic latitude of violation in decimal degrees, truncated to seven decimal places			CalAdvocates-Liberty-2023WMP-02 Liberty				
CalAdvocates	2 CalAdvocates-Liberty-2023WMP-02	4	CalAdv-02-2.4	Boggraphic Longitude of violation in decimal degrees, truncated to seven decimal places. 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 Di Circuit in Dumber Circuit in Dumber Otal circuit miles in Non-HFTD farea Circuit miles in Non-HFTD farea Circuit miles in HFTD Tier 2 Di Circuit SAIDI (System Average Interruption Duration Index) for 2021 Di Circuit SAIDI (System Average Interruption Frequency Index) for 2021 Di Circuit SAIFI (System Average Interruption Frequency Index) for 2021 Di Circuit SAIFI (System Average Interruption Frequency Index) for 2021 Di Circuit MAIFI (Momentary Average Interruption Frequency Index) for 2022 Di Circuit MAIFI (Momentary Average Interruption Frequency Index) for 2021 Di Circuit MAIFI (Momentary Average Interruption Frequency Index) for 2022 Di Circuit MAIFI (Momentary Average Interruption Frequency Index) for 2022 Di Circuit MAIFI (Momentary Average Interruption Frequency Index) for 2022 Di Circuit MAIFI (Momentary Average Interruption Frequency Index) for 2022 Di Circuit MAIFI (Momentary Average Interruption Frequency Index) for 2022 Di Circuit MAIFI (Momentary Average Interruption Frequency Index) for 2022 Di Circuit MAIFI (Momentary Average Interruption Frequency Index) for 2022 Di Circuit MAIFI (Momentary Average Interruption Frequency Index) for 2022 Di Circuit MAIFI (Momentary Average Interruption Frequency Index) for 2022 Di Circuit MAIFI (Momentary Average Interruption Frequency Index) for 2022 Di Circuit MAIFI (Momentary Average Interruption Frequency Index) for 2022 Di Circuit MAIFI (Momentary Average Interruption Frequency Index) for 2022 Di Circuit MAIFI (Momentary Average Interruption Frequency Index) for 2022 Di Circuit MAIFI (Momentary Average Interruption Frequency Index) for 2021 Di Circuit MAIFI (Momentary Average Interruption Frequency	2/24/2023	3/10/2023		1		Notices of Violation and Defect	N/A
CalAdvocates	3 CalAdvocates-Liberty-2023WMP-03	1	CalAdv-03-3.1	were worked on for EVM in HFTD Tier 3 in 2021 Provide an Excel table of all transmission circuits existing as of January 1, 2023 (as rows) that includes the following information in separate columns. a) Circuit name b) Circuit ID number c) Total circuit miles in Other HFTD d) Circuit miles in Other HFTD f) Circuit miles in Other HFTD f) Circuit miles in HFTD Tier 2 g) Circuit miles in HFTD Tier 3 h) Circuit miles in HFTD Tier 3 h) Circuit miles of de-energization on the circuit due to PSPS events in 2021 (sum of customer-minutes of de-energization on the circuit due to PSPS events in 2022 (sum of customer-minutes of de-energization on the circuit due to pSPS events in 2022. l) Total customer-minutes of de-energization on the circuit due to fast-trip settings in 2022. l) Total customer-minutes of de-energization on the circuit due to fast-trip settings in 2022. l) Number of support structures replaced in Non-HFTD in 2022 l) Number of support structures replaced in Other HFTD in 2022 l) Number of support structures replaced in HFTD Tier 2 in 2021 l) Number of support structures replaced in HFTD Tier 2 in 2021 l) Number of support structures replaced in HFTD Tier 2 in 2021 l) Number of support structures replaced in HFTD Tier 2 in 2021 l) Number of support structures replaced in HFTD Tier 2 in 2021 l) Number of support structures replaced in HFTD Tier 2 in 2021 l) Number of support structures replaced in HFTD Tier 2 in 2022 l) Number of support structures replaced in HFTD Tier 2 in 2021 l) Number of support structures replaced in HFTD Tier 3 in 2021 l) Miles of LIDAR inspection in Non-HFTD in 2022 l) Miles of LIDAR inspection in Non-HFTD in 2021 l) Miles of LIDAR inspection in Non-HFTD in 2022 l) Miles of LIDAR inspection in Non-HFTD in 2021	2/24/2023	3/24/2023	3/29/2023 Response 03292023.pdf (libertyutilities.com)	1	5, 6	Electrical Infrastructure	5.2, 6.4.2
CalAdvocates	3 CalAdvocates-Liberty-2023WMP-03	2	CalAdv-03-3.2	x) Miles of LiDAR inspection in Other HFTD in 2022 y) Miles of LiDAR inspection in HFTD Tier 2 in 2021 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 decommissioned but not physically removed. Include the following information in separate columns. a) Circuit name b) Circuit ID number 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	2/24/2023	3/24/2023	CalAdvocates-Liberty-2023WMP-03_Liberty Response_03292023.pdf (libertyutilities.com)	1	5, 6	Electrical Infrastructure	5.2, 6.4.3
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 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 b) Circuit ID number 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	2/24/2023	3/24/2023	CalAdvocates-Liberty-2023WMP-03 Liberty Response 03292023.pdf (libertyutilities.com)	1	8	Line Removal	8.1.2.9
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	CalAdvocates-Liberty-2023WMP-03_Liberty 3/29/2023 Response 03292023.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 14/14
				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 2/24/2023 3/29/2023 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 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 Colledus and a Ul	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 were completed and three locations were inaccessible at the time of re-inspection due to 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." c) Refer to supporting file: "CalAdvocates-Liberty-2023WMP-05_Liberty Response Question 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 for	Refer to supporting file: "CalAdvocates-Liberty-2023WMP-05_Liberty Response Question							
				Q4 of 2022, which reports asset-related corrective notifications on electric circuits that were	7."							
				open at the end of the quarter. Add the following information in separate columns: a) Name of 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					<u>CalAdvocates-Liberty-2023WMP-05_Liberty</u>			Grid Design, operations, and
CalAdvocates	5 CalAdvocates-Liberty-2023WMP-05	7	CalAdv-05-5.7	e) Object/damage code or other description of defect		Aaron Louie	2/24/2023	3/30/2023	4/10/2023 Response 04102023.pdf (libertyutilities.com)		8	maintenance (8.1) 8.1.6
				Regarding Table 13 of the non-spatial data tables in your WMP Quarterly Data Report for Q4 of 2022: a) Do you have an internal system of identifying priority levels for corrective notifications	•							
				that differs from the priority levels specified in General Order 95, Rule 18?	assess the prioritization of corrective actions and replacements.							
				b) If the answer to part (a) is yes, please explain your internal priority system.	c) Yes.							
				c) Do you ever re-inspect corrective notifications before they are resolved?	d) Liberty has conducted re-inspections through its detailed asset inspection program of							
				d) If the answer to the part (b) is yes, under what circumstances do you conduct re-inspections?	assets that were inspected as part of its full system survey conducted in 2020.				Callada a sata a Liberta 2022/MAD OF Liberta			Caid Davissa assessing and
CalAdvocates	5 CalAdvocates-Liberty-2023WMP-05	Q	CalAdv-05-5.8		Additionally, the Job Facilitator's role may include verification of issues identified during	Aaron Louie	2/24/2023	3/30/2023	CalAdvocates-Liberty-2023WMP-05 Liberty 4/10/2023 Response 04102023.pdf (libertyutilities.com)		, g	Grid Design, operations, and maintenance (8.1) 8.1.6
CalAdvocates	S Caravocates Elberty 2023 WIVII 03	, o	CalAuv-05-5.8	Please provide a list of any incidents in 2022 where the actions of a VM contractor posed a	Liberty did not experience any incidents in 2022 where the actions of a VM contractor	Adron Louic	2/24/2023	3/30/2023	7/10/2023 <u>Nesponse 04102023.pdf (insertydelinees.com/</u>		0	
				safety risk to workers and/or the public. "Safety risk" here is defined as any occurrence on a	posed a safety risk to workers or the public.							
				worksite where the contractor's behavior created a safety hazard for either workers or the								
				general public. For each instance, please provide: a) The date you were informed of the safety					CalAdvocates-Liberty-2023WMP-06 Liberty			Vegetation Management and
CalAdvocates	6 Cal Advocates-Liberty-2023 WMP-06	1	CalAdv-06-6.1	b) The date that the original work that created the safety issue was performed		Aaron Louie	2/24/2023	4/19/2023			8	Inspections (8.2) 8.2.7
				Provide your workplan that describes where and when you will perform system hardening on	Refer to tab "2023" in supporting file: "CalAdvocates-Liberty-2023WMP-06_Liberty							
				distribution circuits in 2023. For projects that you expect to partially complete in 2023 (i.e.,	Response Questions 2 and 3."							
				projects that started before 2023 and are expected to continue in 2023, or projects that are expected to be completed after 2023), please include the project and report the work what you						1		
				forecast will actually be performed in calendar year 2023. For each project, include the following					CalAdvocates-Liberty-2023WMP-06_Liberty_			Grid Design, operations, and
CalAdvocates	6 CalAdvocates-Liberty-2023WMP-06	2	CalAdv-06-6.2	information in separate columns, at a minimum; a) Order number		Aaron Louie	2/24/2023	4/19/2023	Response 04262023.pdf (libertyutilities.com)		8	maintenance (8.1) 8.1.2
				Provide your workplan that describes where and when you will perform system hardening on distribution circuits in 2024. For projects that you expect to partially complete in 2024 (i.e.,	Refer to tab "2024" in supporting file: "CalAdvocates-Liberty-2023WMP-06_Liberty Response Questions 2 and 3."							
				projects that are expected to start before 2024 and are expected to continue in 2024, or project								
				that are expected to be completed after 2024), please include the project and report the work						1		
CalAdvocates	6 CalAdvocates-Liberty-2023WMP-06	2	CalAdv-06-6.3	that you forecast will actually be performed in calendar year 2024. For each project, include the		Agran Lawis	2/24/2023	4/40/2022	CalAdvocates-Liberty-2023WMP-06 Liberty 4/26/2023 Response 04262023.pdf (libertyutilities.com)			Grid Design, operations, and maintenance (8.1) 8.1.2
CarAdvocates	6 Caladvocates-Liberty-2023 WIVIP-06	3	CaiAdv-06-6.3	following information in separate columns, at a minimum: a) Order number For each of your 2023-2025 WMP system hardening initiatives, please provide disaggregated	Refer to supporting file: "CalAdvocates-Liberty-2023WMP-06 Liberty Response Question	Aaron Louie	2/24/2023	4/19/2023	Response 04262023.pdf (libertyutilities.com)		8	maintenance (8.1) 8.1.2
				information related to expenditures and circuit miles treated in the attached table, Cal	4"							
				Advocates-Liberty-2023WMP-06_Attachment Tab 1. Add extra columns as needed. Note: for the						1		
				purposes of this question, "line removal" refers to conductors that are permanently removed					CalAdvocates-Liberty-2023WMP-06_Liberty			Grid Design, operations, and
CalAdvocates	6 CalAdvocates-Liberty-2023WMP-06	4	CalAdv-06-6.4	without replacement – for instance, as part of a remote grid project. This should be understood as identical to part (k) of questions 2 and 3 above.		Aaron Louie	2/24/2023	4/19/2023	3 4/26/2023 Response 04262023.pdf (libertyutilities.com)		8	maintenance (8.1) 8.1.2
	,			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							
					performed at the beginning of this year by circuit. The PSPS risk decision-making							
				including with what level of granularity they	framework has not been developed and the model inputs currently do not incorporate							
				are able to determine how circuit hardening efforts or other changes to a line segment will affect PSPS thresholds.	grid hardening efforts and is a static study. The decision-making framework would have to consider current PSPS thresholds affecting each circuit and any current PSPS mitigation				CalAdvocates-Liberty-2023WMP-06 Liberty			
CalAdvocates	6 CalAdvocates-Liberty-2023WMP-06	5	CalAdv-06-6.5	b) Please describe any improvements to the present PSPS circuit modeling capabilities that you	controls in place would also need to be factored in and calculated separately to support		2/24/2023	4/19/2023	Response 04262023.pdf (libertyutilities.com)		6	Risk Analysis Framework (6.2) N/A
				Identify any ignitions in 2022 associated with assets where you had an existing corrective	Liberty did not have any ignitions in 2022 associated with assets where it had an existing							
				notification at the time of the ignition. Please provide a spreadsheet listing each such ignition (as rows) with the following information in separate columns: a) Unique ignition ID	corrective notification at the time of the ignition							
				b) Date of ignition								
				c) Cause of ignition					<u>CalAdvocates-Liberty-2023WMP-06_Liberty</u>			Grid Design, operations, and
CalAdvocates	6 CalAdvocates-Liberty-2023WMP-06	6	CalAdv-06-6.6	d) Type of asset associated with the ignition Page 55 of Liberty's WMP states, "Liberty has not conducted a wildfire risk assessment using the	a) In its 2022 WMP Liberty provides a man in Figure 5.11 showing its service territory	Aaron Louie	2/24/2023	4/19/2023	4/26/2023 Response 04262023.pdf (libertyutilities.com)		8	maintenance (8.1) 8.1.2
				85th percentile consequence calculation." a) Why hasn't Liberty conducted a wildfire risk	overlaid with the Social Vulnerability Index (SVI) and its current Reax wildfire risk							
				assessment using the 85th percentile consequence calculation?	polygons. Liberty provides an additional map in Appendix C of its 2023 WMP showing the	2						
				b) What other wildfire risk assessments has Liberty conducted instead?	SVI distribution, Liberty's updated utility risk analysis in its 2023 WMP, and major roads.				ColAdvacates Liberty 2022WAAD 07 Liberty			
CalAdvocates	7 CalAdvocates-Liberty-2023WMP-07	1	CalAdv-07-7.1		Due to increased risk modeling requirements in the Office of Energy Infrastructure Safety (OEIS) 2023-2025 WMP Technical Guidelines. Liberty did not have enough time to analyze	Talal Harahsheh	5/18/2023	5/23/2023	CalAdvocates-Liberty-2023WMP-07_Liberty 5/23/2023 Response_05232023.pdf (libertyutilities.com)		5	Community Values at Risk (5.4) 5.4.3.2
canavocates	r currences Electry 2023 vivii or	-	Cantav or 7.1	Page 57 of Liberty's WMP states:	a) No.	- Talar Haranshell	3, 13, 2023	3,23,2023	3/23/2023 <u>Nesponse_83232023.pdi (insertyutinties.com)</u>			SHIRLING VALUES AT MISK (S.H)
				Survey reports produced by CAL FIRE identified 10 sub-divisions in South Lake Tahoe with no	b) N/A							
				secondary egress, and one with limited egress. These sub-divisions consist mostly of single-	c) Liberty completed mitigation actions during the 2020-2022 WMP cycle in limited egress					1		
				family homes on flat land, surrounded by grass, trees, brush, and timber. In Placer County, CAL FIRE identified 21 subdivisions with no secondary egress, and three with limited egress. These	making processes and risk analysis that did not consider egress. For an example of	-			CalAdvocates-Liberty-2023WMP-07 Liberty			
CalAdvocates	7 Cal Advocates-Liberty-2023 WMP-07	2	CalAdv-07-7.2	areas include a mix of single-family homes, townhomes, and duplexes surrounded by similar	mitigation actions completed during the 2020-2022 WMP cycle in limited egress areas.	Talal Harahsheh	5/18/2023	5/23/2023	S 5/23/2023 Response 05232023.pdf (libertyutilities.com)		5	Community Values at Risk (5.4) 5.4.3.3
				Page 60 of Liberty's WMP states, "Absentee landlords make notification requirements and	a) Liberty uses a variety of methods for notifying customers of O&M activities:							
				coordination for O&M activities difficult, sometimes resulting in delayed activities or their	• Door hangers							
				cancellation entirely." a) Please describe what methods or strategies Liberty has adopted to ameliorate the problem noted above.	Sign boardsMailed letters or postcards							
				b) Please describe Liberty's method of maintaining accurate and up-to-date contact information	·				CalAdvocates-Liberty-2023WMP-07_Liberty_			
CalAdvocates	7 CalAdvocates-Liberty-2023WMP-07	3	CalAdv-07-7.3	for homeowners and renters in its service territory.	• Email	Talal Harahsheh	5/18/2023	5/23/2023	8 5/23/2023 Response 05232023.pdf (libertyutilities.com)		5	Community Values at Risk (5.4) 5.4.5
				Page 60 of Liberty's WMP states, "Liberty is currently working with the [Tahoe Regional Planning Agency] to update an existing memorandum of understanding ("MOU") for O&M activities to	a) No.b) Liberty is in the process of executing an MOU with TRPA. The draft MOU is currently							
				allow minor repairs, replacements and vegetation maintenance to be completed without agency								
				review and approval." a) To date, has Liberty executed an updated memorandum of	review.							
Col Advisoration	7 Called vegetor 1:hearty, 2022 MAR 27		Col A dv. 07. 7. 4	understanding with Tahoe Regional Planning Agency? b) If the answer the part (a) above is		Talal Harahsheh	E/10/2022	E /22 /2022	CalAdvocates-Liberty-2023WMP-07_Liberty		_	Community Values at Bigly (E.4)
CalAdvocates	7 CalAdvocates-Liberty-2023WMP-07	4	CalAdv-07-7.4	"no." please describe the status of developing an updated memorandum of understanding and Page 64 of Liberty's WMP states:	a) Refer to Liberty's 2023 WMP for the analysis that Liberty completed in advance of its	raiai naranshen	5/18/2023	5/23/2023	8 5/23/2023 Response 05232023.pdf (libertyutilities.com)	<u>ties.com</u>) 5	Community Values at Risk (5.4) 5.4.5	
				Although the current approach provides significant advancements over earlier efforts, it was	2023 WMP submission. Refer to the OEIS 2023-2025 Wildfire Mitigation Plan Technical							
				neither reasonable nor feasible to conduct all the calculations and analyses provided in the	Guidelines for the calculations and analysis provided in the guidelines.							
				2023-2025 Wildfire Mitigation Plan Technical Guidelines ("Technical Guidelines") prior to	b) OEIS released its final 2023-2025 WMP Technical Guidelines on December 6, 2022. In							
				Liberty's 2023 WMP submission. Liberty, however, is committed to continuing to evolve and improve its risk modeling practices and intends to conduct the analyses and calculations	late January 2023, Liberty executed an agreement with Technosylva to provide wildfire risk analytics utilizing its Wildfire Risk Reduction Model ("WRRM"). Liberty received its				CalAdvocates-Liberty-2023WMP-07_Liberty_			
CalAdvocates	7 CalAdvocates-Liberty-2023WMP-07	5	CalAdv-07-7.5	described in the Tachnical Cuidelines to the extent passible as part of future work at Places	first analytics neckage with the results from WIDDM in late February 2022. Additionally in	Talal Harahsheh	5/18/2023	5/23/2023	8 5/23/2023 Response 05232023.pdf (libertyutilities.com)		6	Risk Methodology and Assessment 6
				Page 70 of Liberty's WMP states that social vulnerability, physical vulnerability, and coping	a) Liberty has not determined all attributes/characteristics it will utilize to define physical							
				capabilities are not factors currently included in the wildfire risk analysis though Liberty intends to incorporate these factors in its future risk modeling process. a) When Liberty eventually	vulnerability. Liberty considers Medical Baseline (MBL) and some Access and Functional Needs (AFN) customers as physically vulnerable. In future wildfire risk analysis, Liberty car	n						
				incorporates the factor "physical vulnerability" within future wildfire risk analyses, what	assign weights to different customer categories (i.e., AFN/MBL, Commercial, Residential,							
	7 0-10 1		0 10 1 07 5 5	attributes/characteristics would Liberty utilize to define "physical vulnerability"?	Critical Facilities) based on physical vulnerability. b) Liberty maintains a list of MBL	T-1-111	E /40 /0000	F 100 10	CalAdvocates-Liberty-2023WMP-07 Liberty		_	Bioli Mash a dalar
CalAdvocates	7 CalAdvocates-Liberty-2023WMP-07	6	CalAdv-07-7.6	b) What data does Liberty currently maintain or collect to measure physical vulnerability? Please provide Liberty's Pre-submission 2023-2025 WMP Base Plan filed on March 6, 2023, with	customers and self-identified AFN customers. Refer to attachment: "2023-03-06 Liberty 2023 WMP RO Public" for Liberty's 2023 WMP	Talal Harahsheh	5/18/2023	5/23/2023	3 5/23/2023 Response_05232023.pdf (libertyutilities.com)		6	Risk Methodology and Assessment
				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_	1	WMP Pre-	
Green Power Institute	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 N/A