Per the WSD's instructions for replies to the 02/26/2020 data request, Bear Valley Electric Service adopted the following color scheme in updating the relevant tables according to the items specified in the WSD's request:

Cells with new data are highlighted in green

Cells with modified data are highlighted in yellow

Bear Valley Electric Service additionally adopted the following color scheme to further clarify the changes made through the course of updating the utility's WMP and responding to the data request:

References to plan sections from the previous submission that no longer apply due to plan reformatting in alignment with Attachment 1 section headings and subheadings. These changes are reflected as red text with strikethrough in the redlined workbook and removed from the clean version.

# 1 Persons responsible for executing the WMP

Provide an accounting of the responsibilities of the responsible person(s) executing the plan, including:

- 1. Executive level with overall responsibility
- 2. Program owners specific to each component of the plan

Ensure that the plan components described in (2) include an accounting for each of the WMP sections and subsections.

See BVES 2020 WMP, Section 1.2.

# 2.1 Lessons learned: how tracking metrics on the 2019 plan has informed the 2020 plan

Describe how the utility's plan has evolved since the 2019 WMP submission. Outline any major themes and lessons learned from the 2019 plan and subsequent implementation of the initiatives. In particular, focus on how utility performance against the metrics used has informed the utility's 2020 WMP.

See BVES 2020 WMP, Section 2.1

Table 1: Recent performance on progress metrics, last 5 years

							Annual performanc	P			
#		Progress met	ric name		2015	2016	2017	2018	2019	Unit(s)	Comments
		Findings per	Levi	el 1	N/A - no data available	N/A - no data available	0.00000	0.00000	0.00949		
		mile of circuit in	Lev	el 2	N/A - no data available	N/A - no data available	0.40321	0.25615	0.36526		
		HFTD	Lev	el 3	N/A - no data available	N/A - no data available	3.34424	14.93762	0.82539		
				Level 1	N/A - no data available	N/A - no data available	0.00000	0.00000	0.00949		Prior to 2017, inspection and other data which had been being maintained in a database system
	Grid condition		Patrol Inspections	Level 2	N/A - no data available	N/A - no data available	0.36526	0.23244	0.23718	Number of Level 1, 2, and 3 findings per mile of circuit in HFTD, and per total miles of circuit for each of the following inspection types:	called Automated Line Patrol System (ALPS) were migrated to a new database system called "Partner." While the old database has been
1	findings from inspection			Level 3	N/A - no data available	N/A - no data available	1.70296	12.86466	0.09962	Patrol inspections     Detailed inspections	archived and retained, data prior to 2017 is not
		Findings per total circuit		Level 1	N/A - no data available	N/A - no data available	0.00000	0.00000	0.00000	3. Other inspection types	readily available. During that transition all level 1, 2 or 3 deficiencies had either been corrected
		miles by inspection	Detailed Inspections	Level 2	N/A - no data available	N/A - no data available	0.00000	0.00000	0.12808		or were entered into the new Partner system for tracking and remediation.
		type		Level 3	N/A - no data available	N/A - no data available	0.00474	0.01423	0.72577		
			Other	Level 1	N/A - no data available	N/A - no data available	0.00000	0.00000	0.00000		
			Inspection	Level 2	N/A - no data available	N/A - no data available	0.03795	0.02372	0.00000		
			Types	Level 3	N/A - no data available	N/A - no data available	1.63654	2.05873	0.00000		
2	Vegetation	n clearance find	ings from inspe	ection	N/A - no data available	N/A - no data available	N/A - no data available	N/A - no data available	0.02	Percentage of right-of-way with noncompliant clearance based on applicable rules and regulations at the time of inspection, as a percentage of all right-of-way inspected	2019 figure is from October to December. Unable to locate any data prior to October 2019 with the granularity needed to respond.
			1. In HFTD		144	144	144	144	144	Number of sectionalizing devices per circuit mile plus number of	
3	Extent of grid modularization	:	2. In Non-HFTD		N/A - BVES does not have any portions of its service territory in Non-HFTD	N/A - BVES does not have any portions of its service territory in Non- HFTD	N/A - BVES does not have any portions of its service territory in Non-HFTD	N/A - BVES does not have any portions of its service territory in Non-HFTD	N/A - BVES does not have any portions of its service territory in Non- HFTD	Number of securinaring retries per incur ime pius number of automated grid control equipment in:  1. HFTD  2. Non-HFTD	Entire BVES service territory is in HTFD 2 or 3.
4	Da	ata collection a	nd reporting						97.10%	Percent of data requested in SDR and WIMP collected in initial submission	

Note: Values for Table 1.1. "Grid condition findings from inspection" were calculated by dividing the total number of findings of each type by the total number of overhead circuit miles in BVES's service territory, assuming underground circuits are unaffected by wind conditions. Including underground circuit miles in this calculation would deflate the actual assessment of risk posed by wind and other wildfire-risk conditions.

#### Table 2: Recent performance on outcome metrics, last 5 years

Matelatina		Outcome metric name		Ar	nual performa	ince		Helde)	Comments
Metric type		Outcome metric name	2015	2016	2017	2018	2019	Unit(s)	Comments
	1.a.	Number of all events (such as unplanned outages, faults, conventional blown fuses, etc.) that could result in ignition, by type according to utility-provided list (total)	28	58	35	20	15	Number per year	
1. Near misses	1.b.	Number of all events (such as unplanned outages, faults, conventional blown fuses, etc.) that could result in ignition, by type according to utility-provided list (normalized)	0.04553	0.01942	0.01057	0.00896	0.01124	Number per RFW circuit mile day per year	
	1.c.	by type according to utility-provided list (normalized)  Number of wires down (total)	0	3	0	0	3	Number of wires down per year	
	1.d.	Number of wires down (normalized)	0.00000	0.00100	0.00000	0.00000	0.00225	Number per RFW circuit mile day per year	
		The state of the s						Average number of Level 1 findings that could increase the	
	2.a.	Number of Level 1 findings that could increase the probability of ignition discovered per circuit mile inspected	N/A - no data available	N/A - no data available	0	0	0	probability of ignition discovered by all inspections per circuit	Prior to 2017, inspection and other data which had been being maintained in a database system called Automated Line Patrol
			N/A - no data	N/A - no data				Average number of Level 2 findings that could increase the	System (ALPS) were migrated to a new database system called
2. Utility inspection findings	2.b.	Number of Level 2 findings that could increase the probability of ignition discovered per circuit mile inspected	available	available	0	0	0	probability of ignition discovered by all inspections per circuit mile per year	"Partner." While the old database has been archived and retained data prior to 2017 is not readily available. During that transition al
			N/A - no data	N/A - no data				Average number of Level 3 findings that could increase the	level 1, 2 or 3 deficiencies had either been corrected or were enter
	2.c.	Number of Level 3 findings that could increase the probability of ignition discovered per circuit mile inspected	available	available	0	0	0	probability of ignition discovered by all inspections per circuit mile per year	into the new Partner system for tracking and remediation.
	3.a.	Customer hours of planned outages including PSPS (total)	1,467	2,112	88,412	6,725	782	Total customer hours of planned outages per year	
	3.b.	Customer hours of planned outages including PSPS (normalized)	2.38563	0.70717	26.69925	3.01434	0.58574	Total customer hours of planned outages per RFW circuit mile	
			73.785	129.310	155.513	73,619	121.869	day per year	
3. Customer hours of PSPS and other outages	3.c.	Customer hours of unplanned outages, not including PSPS (total)						Total customer hours of unplanned outages per year	
	3.d.	Customer hours of unplanned outages, not including PSPS (normalized)	119.98873	43.29752	46.96287	32.99817	91.28356	Total customer hours of unplanned outages per RFW circuit mile day per year	
	3.e.	Increase in System Average Interruption Duration Index (SAIDI)	0	0	0	0	0	Change in minutes compared to the previous year	
	4.a.	Fatalities due to utility-isnited wildfire (total)	0	0	0	0	0	Number of fatalities per year	BVES has not had any utility-ignited wildfires
4. Utility ignited wildfire fatalities	4.b.	Fatalities due to utility-ignited wildfire (normalized)	0	0	0	0	0	Number of fatalities per RFW circuit mile day per year	BVES has not had any utility-ignited wildfires
			0	0	0	0	0		
5. Accidental deaths resulting from utility wildfire mitigation initiatives	5.a.	Deaths due to utility wildfire mitigation activities (total)	0	0	0	0	0	Number of fatalities per year	
6. OSHA-reportable injuries from utility wildfire mitigation initiatives	6.a.	OSHA-reportable injuries due to utility wildfire mitigation activities (total)	0	0	0	1	0	Number of OSHA-reportable injuries per year	On July 19, 2018, a line worker and the owner of Teele Tree Service made contact with a high voltage power line and sustained non-fat injuries. The injury did not require reporting under CalOSHA guidelines but BVES chose to report the incident.
	6.b.	OSHA-reportable injuries due to utility wildfire mitigation activities (normalized)	0	0	0	4.74361	0	Number of OSHA-reportable injuries per year per 1000 line miles of grid	BVES has only 210.81 miles of OH lines. Navigant Consulting interpreted this question to mean BVES would have 0.21081 "thousand line miles of grid."
Value of assets destroyed by utility-ignited wildfire, listed by asset type	7.a.	Value of assets destroyed by utility-ignited wildfire (total)	0	0	0	0	0	Dollars of damage or destruction per year	BVES has not had any utility-ignited wildfires
7. Value of assets destroyed by duffty-fighted wholine, instead by asset type	7.b.	Value of assets destroyed by utility-ignited wildfire (normalized)	0	0	0	0	0	Dollars of damage or destruction per RFW circuit mile day per	BVES has not had any utility-ignited wildfires
8. Structures damaged or destroyed by utility-ignited wildfire	8.a.	Number of structures destroyed by utility-ignited wildfire (total)	0	0	0	0	0	Number of structures destroyed per year	BVES has not had any utility-ignited wildfires
o. Structures damaged or destroyed by drinky-grated winding	8.b.	Number of structures destroyed by utility-ignited wildfire (normalized)	0	0	0	0	0	Number of structures destroyed per RFW circuit mile day per wear	BVES has not had any utility-ignited wildfires
Acreage burned by utility-ignited wildfire	9.a.	Acreage burned by utility-ignited wildfire (total)	0	0	0	0	0	Acres burned per year	BVES has not had any utility-ignited wildfires
	9.b.	Acreage burned by utility-ignited wildfire (normalized)	0	0	0	0	0	Acres burned per RFW circuit mile day per year	BVES has not had any utility-ignited wildfires
	10.a.	Number of ignitions (total) according to existing ignition data reporting requirement	0	0	0	0	0	Number per year	BVES had not had any ignitions
	10.b.		0	0	0	0	0	Number per RFW circuit mile day per year	BVES had not had any ignitions
	10.c.	Number of ignitions in HFTD (subtotal)	0	0	0	0	0	Number in HFTD per year	BVES had not had any ignitions
	10.c.i.	Number of ignitions in HFTD Zone 1	0	0	0	0	0	Number in HFTD Zone 1 per year	BVES had not had any ignitions
	10.c.ii.	Number of ignitions in HFTD Tier 2	0	0	0	0	0	Number in HFTD Tier 2 per year	BVES had not had any ignitions
	10.c.iii.	Number of ignitions in HFTD Tier 3	0	0	0	0	0	Number in HFTD Tier 3 per year	BVES had not had any ignitions
10. Number of utility wildfire ignitions	10.d.	Number of ignitions in HFTD (subtotal: normalized)	0	0	0	0	0	Number in HFTD per RFW circuit mile day per year	BVES had not had any ignitions
	10.d.i.	Number of ignitions in HFTD Zone 1 (normalized)	0	0	0	0	0	Number in HFTD Zone 1 per RFW circuit mile day per year	BVES had not had any ignitions
	10.d.ii.	Number of ignitions in HFTD Tier 2 (normalized)		0				Number in HFTD Tier 2 per RFW circuit mile day per year	BVES had not had any ignitions
	10.d.iii.	Number of ignitions in HFTD Tier 3 (normalized)	0		0	0	0	Number in HFTD Tier 3 per RFW circuit mile day per year	BVES had not had any ignitions
	10.e.	Number of ignitions in non-HFTD (subtotal)	0	0	0	0	0	Number in non-HFTD per year	BVES had not had any ignitions
	10.f.	Number of ignitions in non-HFTD (normalized)	0	0	0	0	0	Number in non-HFTD per RFW circuit mile day per year	BVES had not had any ignitions
11. Critical infrastructure impacted	11.a.	Critical infrastructure impacted by PSPS	0	0	0	0	0	Number of critical infrastructure (in accordance with D.19-05- 042) locations impacted per hour multiplied by hours offline per year	BVES has not needed to initiate any PSPS events
11. Crocai ilinascistre impacted	11.b.	Critical infrastructure impacted by PSPS (normalized)	0	0	0	0	0	Number of critical infrastructure (in accordance with D.19-05- 042) locations impacted per hour multiplied by hours offline per RFW circuit mile day per year	BVES has not needed to initiate any PSPS events

	n of additional metrics, last 5 years	260		Performance					
Metric Category	Metric	2015 N/A - metric	2016 N/A - metric	2017 N/A - metric	2018 N/A - metric	2019	Units	Underlying assumptions	Third-party validation  Contracted 3rd party analysts or academic researchers could review
Overall Plan	Number of reportable fire incidents (D14-02-015 Appendix C: Fire Incident Data Collection Plan)	not recorded prior to 2019 WMP	not recorded prior to 2019 WMP	not recorded prior to 2019 WMP N/A - metric	not recorded prior to 2019 WMP N/A - metric	0	Number of incidents	Acuses overall effectiveness of the plan	open as well as closed work coders, BVES GIS databases, staff interviews, as well as spot-checking select items for confirmation of status.
	Number of bare line contact with vegetation	not recorded prior to 2019 WMP N/A - metric	not recorded prior to 2019 WMP N/A - metric	not recorded prior to 2019 WMP N/A - metric	not recorded prior to 2019 WMP	0	Number of contact events	Assess if plan has reduced risk events	
	Number of live wire down events	not recorded prior to 2019 WMP	not recorded prior to 2019 WMP N/A - metric	not recorded prior to 2019 WMP N/A - metric	not recorded prior to 2019 WMP N/A - metric	0	Number of events	Assess if plan has reduced risk events	
	Number of conventional blown fuse events	not recorded prior to 2019 WMP	not recorded prior to 2019 WMP	not recorded prior to 2019 WMP N/A - metric	not recorded prior to 2019 WMP	1	Number of events	Assess if plan has reduced risk events	
	Number of poles assessed	not recorded prior to 2019 WMP	not recorded prior to 2019 WMP N/A - metric	not recorded prior to 2019 WMP N/A - metric	not recorded prior to 2019 WMP	553	Number of poles	Determine if plan is on schedule	
	Number of poles that failed assessment (wind loading, age, deterioration, unflicable GC- 95 violation)	not recorded prior to 2019 WMP	384	Numer of poles	Determine if plan is on schedule				
Infrastructure	Number of poles replaced as a result of failed assessments	not recorded prior to 2019 WMP	215	Number of poles	Determine if plan is on schedule	Contracted 3rd party analysts or academic researchers could review open as well as closed work orders, BVES GIS databases, staff interviews, as well as spot-checking select items for confirmation of			
	Number of poles remediated as a result of failed assessments	not recorded prior to 2019 WMP	61	Number poles	Determine if plan is on schedule	status.			
	Number of Tree Attachments Removed	not recorded prior to 2019 WMP	43	Number of attachments	Determine if plan is on schedule				
	Number of new poles installed as a result of Tree Attachments Removed	N/A - metric not recorded prior to 2019 WMP	9	Number of poles	Determine If plan is on schedule				
	Length of Bare Wire Covered (Circuit Miles)	N/A - metric not recorded prior to 2019 WMP	1	Length of wire (circuit miles)	Determine if plan is on schedule				
	Number of conventional fuses replaced by current limiting fuses	N/A - metric not recorded prior to 2019 WMP	285	Number of fuses	Determine If plan is on schedule				
	Number of conventional fuses replaced by fused trip savers (vacuum style)	N/A - metric not recorded prior to 2019 WMP	8	Number of fuses	Determine if plan is on schedule				
	Number of Conventional fuses in system	N/A - metric not recorded prior to 2019 WMP	3,374	Number of fuses	Assess overall system hardening				
	Percent of 34.5 kV System that is Overhead Bare Wire	N/A - metric not recorded prior to 2019 WMP	93.93%	Percent of 34.5 kV circuit miles	Assess overall system hardening				
	Percent of 34.5 kV System that is Underground	N/A - metric not recorded prior to 2019 WMP	2.74%	Percent of 34.5 kV circuit miles	Assess overall system hardening				
System Hardening	Percent of 34.5 kV System that is Covered Wire	N/A - metric not recorded prior to 2019 WMP	3.33%	Percent of 34.5 kV circuit miles	Assess overall system hardening	Contracted 3rd party analysts or academic researchers could review open as well as closed work orders, BVES GIS databases, staff			
	Percent of 4 kV System that is Overhead Bare Wire	N/A - metric not recorded prior to 2019 WMP	71.56%	Percent of 4 kV circuit miles	Assess overall system hardening	interviews, as well as spot-checking select items for confirmation of status.			
	Percent of 4 kV System that is Underground	N/A - metric not recorded prior to 2019 WMP	28.44%	Percent of 4 kV circuit miles	Assess overall system hardening				
	Percent of 4 kV System that is Covered Wire	N/A - metric not recorded prior to 2019 WMP	0.00%	Percent of 4 kV circuit miles	Access overall system hardening				
	Number of Tree Attachments Remaining in System	N/A - metric not recorded prior to 2019 WMP	973	Number of attachments	Assess overall system hardening				
	Number of "Urgent" Vegetation Orders Issued (must be corrected w/30 days)	N/A - metric not recorded prior to 2019 WMP	34	Number of orders	Assess if vagetation management plan has reduced risk events				
	Number of "Urgent" Vegetation Orders Outstanding	N/A - metric not recorded prior to 2019 WMP	0	Number of orders	Determine if plan is on schedule				
	Number of Trees Trimmed	N/A - metric not recorded prior to 2019 WMP	5,378	Number of trees	Determine if plan is on schedule				
	Number of Trees Removed	N/A - metric not recorded prior to 2019 WMP	87	Number of trees	Determine if plan is on schedule				
	Percent of OH System Cleared by Tree Trimming Crews	N/A - metric not recorded prior to 2019 WMP	30.61%	Percent of OH system	Determine if plan is on schedule				
	Number of Level 1 GO-95 Potential Non-Compliance (Immediate risk of high potential impact to safety or reliability) Items Idendified	N/A - metric not recorded prior to 2019 WMP	0	Number of Items	Determine if plan is on schedule				
	Number of Level 1 GO-95 Potential Non-Compliance (Immediate risk of high potential impact to safety or reliability) Items Outstanding	N/A - metric not recorded prior to 2019 WMP	0	Number of Items	Determine if plan is on schedule				
	Number of Level 2 GO-95 Potential Non-Compliance (Any other risk of at least moderate potential impact to safety or reliability) Items idendified	N/A - metric not recorded prior to 2019 WMP	52	Number of Items	Determine if plan is on schedule				
	Number of Level 2 GO-95 Potential Non-Compliance (Any other risk of at least moderate potential impact to safety or reliability) items Outstanding	N/A - metric not recorded prior to 2019 WMP	0	Number of Items	Determine if plan is on schedule				
Operations	Number of Level 3 GO-95 Potential Non-Compliance (Any risk of low potential impact to safety or reliability) Items idendified	N/A - metric not recorded prior to 2019 WMP	139	Number Items	Determine if plan is on schedule	Contracted 3rd party analysts or academic researchers could review open as well as closed work orders, BVES GIS databases, staff interviews, as well as spot-checking select items for confirmation of status.			
	Number of Level 3 GO-95 Potential Non-Compliance (Any risk of low potential impact to safety or reliability) Items Outstanding	N/A - metric not recorded prior to 2019 WMP	0	Number Items	Determine if plan is on schedule				
	Number of Circuit Miles Patrolled per GO-165	N/A - metric not recorded prior to 2019 WMP	118.61	Number of Circuit Miles	Determine if plan is on schedule				
	Number of Circuit Miles Inspected per GO-165 (detailed inspection)		N/A - metric not recorded prior to 2019 WMP	N/A - metric not recorded prior to 2019 WMP	N/A - metric not recorded prior to 2019 WMP	12	Number of Circuit Miles	Determine if plan is on schedule	
	Number of Poles intrusively inspected	N/A - metric not recorded prior to 2019 WMP	46	Number of Poles	Determine if plan is on schedule				
	Number of Poles Failing Instrussive Inspection	N/A - metric not recorded prior to 2019 WMP	9	Number of Poles	Determine if plan is on schedule				
1		www	WMP	WIND	WMP		<u> </u>		ı l

	Number of Circuit Miles of LIDAR Survey	N/A - metric not recorded prior to 2019 WMP	0	Number of Circuit Miles	Determine If plan is on schedule				
	Number of LIDAR trouble spots	N/A - metric not recorded prior to 2019 WMP	0	Number of spots	Determine if plan is on schedule				
	Number of Circuit Miles of Exacter Survey	N/A - metric not recorded prior to 2019 WMP	120	Number of Circuit Miles	Assess if communications plan has reduced customer concerns and risk events				
	Number of Exacter trouble spots	N/A - metric not recorded prior to 2019 WMP	10	Number of trouble spots	Assess outage impact on customers as a result of PSPS				
	Number of Customer Service Calls about Tree Trimming	N/A - metric not recorded	0	Number of Calls	Monitor changing climatic and weather patterns	Contracted 3rd party analysts or academic researchers could review			
Customer Service	SAIDI due to PSPS	N/A - metric not recorded prior to 2019 WMP	0	System Average Interruption Duration Index	Monitor the need for PSPS events over time as an indicator of changing climatic and weather patterns	open as well as closed work orders, BVES GIS databases, staff interviews, as well as spot-checking select items for confirmation of status.			
Weather Conditions	Number of NFDRS "Very Dry" and "Dry" Days	N/A - metric not recorded prior to 2019 WMP	150	Number of Days	Monitor the need for PSPS events over time as an indicator of changing climatic and weather patterns	Contracted 3rd party analysts or academic researchers could review open as well as closed work orders, BVES GIS databases, staff interviews, as well as spot-checking select items for confirmation of status.			
	Number of PSPS Events	N/A - metric not recorded prior to 2019 WMP	0	Number of Events	Monitor the need for PSPS events over time as an indicator of changing climatic and weather patterns				
	Maximum recorded sustained winds Recorded by NWS	N/A - metric not recorded prior to 2019 WMP	33	Miles per Hour	Monitor the need for PSPS events over time as an indicator of changing climatic and weather patterns				
	Maximum recorded sustained winds Recorded by BVES Weather Stations	N/A - metric not recorded prior to 2019 WMP	77.8	Miles per Hour	Monitor the need for PSPS events over time as an indicator of changing climatic and weather patterns				
	Maximum recorded wind gusts Recorded by NWS	N/A - metric not recorded prior to 2019 WMP	53	Miles per Hour	Monitor the need for PSPS events over time as an indicator of changing climatic and weather patterns				
PSPS	Maximum recorded wind gusts Recorded by BVES Weather Stations	N/A - metric not recorded prior to 2019 WMP	77.8	Miles per Hour	Monitor the need for PSPS events over time as an indicator of changing climatic and weather patterns	Contracted 3rd party analysts or academic researchers could review open as well as closed work orders, BVES GIS databases, staff interviews, as well as spot-checking select items for confirmation of status.			
	quancy of sustained high winds (number of days sustained wind > 50 mph)  N/A - metric not recorded prior to 2019 WMP  WMP  WMP		N/A - metric not recorded prior to 2019 WMP	N/A - metric not recorded prior to 2019 WMP	0	Number of Days	Monitor the need for PSPS events over time as an indicator of changing climatic and weather patterns		
	Frequency of sixtained high winds (number of days sustained wind > 50 mph) recorded by BVES weather stations was a constained wind > 50 mph) was a constained		N/A - metric not recorded prior to 2019 WMP	N/A - metric not recorded prior to 2019 WMP	N/A - metric not recorded prior to 2019 WMP	2	Number of Days	Monitor the need for PSPS events over time as an indicator of changing climatic and weather patterns	
	Frequency of high wind gusts (number of days wind gusts > 50 mph) recorded by NWS		N/A - metric not recorded prior to 2019 WMP	N/A - metric not recorded prior to 2019 WMP	N/A - metric not recorded prior to 2019 WMP	1	Number of Days	Monitor the need for PSPS events over time as an indicator of changing climatic and weather patterns	
	Frequency of high wind gusts (number of days wind gusts > 50 mph) recorded by BVES weather stations	N/A - metric not recorded prior to 2019 WMP	2	Number of Days	Monitor the need for PSPS events over time as an indicator of changing climatic and weather patterns				

Note: Data from 2015-2018 is unavailble as these metrics were not recorded prior to implementation of the current (2019) WMP, which took effect June 2019.

Metric Category	Metric	Program target	2019 performance	Units	Underlying assumptions	Third-party validation		
Overall Plan	Number of reportable fire incidents (D14-02-015 Appendix C: Fire Incident Data Collection Plan)	0	0	Number of incidents	Assess overall effectiveness of the plan	Contracted 3rd party analysts or academic researchers could review open as well as closed work orders, BVES GIS databases, staff interviews as well as spot-checking select item for confirmation of status.		
	Number of bare line contact with vegetation	<5	0	Number of contact events	Assess if plan has reduced risk events			
	Number of live wire down events Number of conventional blown	<1	0	Number of events  Number of events	Assess if plan has reduced risk events			
	fuse events Number of poles assessed	<5 500	553	Number of events  Number of poles	Assess if plan has reduced risk events Determine if plan is on schedule			
	Number of poles that failed		333	Humber of poics	beening a paint of sereduc			
	assessment (wind loading, age, deterioraton, unfixable GO-95	N/A - this program does not have a specific target	384	Number of poles	Determine if plan is on schedule			
	violation) Number of poles replaced as a	N/A - this program does not have						
	result of failed assessments	a specific target	215	Number of poles	Determine if plan is on schedule	Contracted 3rd party analysts or academic researchers could review		
Infrastructure	Number of poles remediated as a result of failed assessments	N/A - this program does not have a specific target	61	Number poles	Determine if plan is on schedule	open as well as closed work orders BVES GIS databases, staff interview		
	Number of Tree Attachments	75	43	Number of attachments	Determine if plan is on schedule	as well as spot-checking select item		
	Removed Number of new poles installed as	N/A - this program does not have				for confirmation of status.		
	a result of Tree Attachments Removed	a specific target	9	Number of poles	Determine if plan is on schedule			
	Length of Bare Wire Covered (Circuit Miles)	1	1	Length of wire (circuit miles)	Determine if plan is on schedule			
	Number of conventional fuses		583	Number of fuses				
	replaced by current limiting fuses	1,288	563	Number of fuses	Determine if plan is on schedule			
	Number of conventional fuses replaced by fused trip savers	p savers 314 29 Number of fuses						
	(vacuum stvle) Number of Conventional fuses in	N/A - this program does not have			Determine if plan is on schedule			
	system Percent of 34.5 kV System that is	a specific target	3,374	Number of fuses	Assess overall system hardening			
	Overhead Bare Wire	N/A - this program does not have a specific target	93.93%	Percent of 34.5 kV circuit miles	Assess overall system hardening			
	Percent of 34.5 kV System that is Underground	N/A - this program does not have a specific target N/A - this program does not have	2.74%	Percent of 34.5 kV circuit miles	Assess overall system hardening	Contracted 3rd party analysts or		
	Percent of 34.5 kV System that is Covered Wire	N/A - this program does not have a specific target	3.33%	Percent of 34.5 kV circuit miles	Assess overall system hardening	academic researchers could revie open as well as closed work order		
System Hardening	Percent of 4 kV System that is	N/A - this program does not have a specific target	71.56%	Percent of 4 kV circuit miles		BVES GIS databases, staff interview as well as spot-checking select iter		
	Overhead Bare Wire Percent of 4 kV System that is	N/A - this program does not have	28.44%	Percent of 4 kV circuit miles	Assess overall system hardening	for confirmation of status.		
	Underground Percent of 4 kV System that is	a specific target N/A - this program does not have	0	Percent of 4 kV circuit miles	Assess overall system hardening			
	Covered Wire Number of Tree Attachments	a specific target N/A - this program does not have			Assess overall system hardening			
	Remaining in System Number of "Urgent" Vegetation	a specific target	973	Number of attachments	Assess overall system hardening			
	Orders Issued (must be corrected	N/A - this program does not have a specific target	34	Number of orders				
	w/30 days) Number of "Urgent" Vegetation	0	0	Number of orders	Assess if vegetation management plan has reduced risk events			
	Orders Outstanding)	N/A - this program does not have			Determine if plan is on schedule			
	Number of Trees Trimmed	a specific target	5378	Number of trees	Determine if plan is on schedule			
	Number of Trees Removed	N/A - this program does not have a specific target	87	Number of trees				
	Percent of OH System Cleared by		0.306122449	Percent of OH system	Determine if plan is on schedule			
	Tree Trimming Crews Number of Level 1 GO-95	0.15	0.300122449	Percent of on system	Determine if plan is on schedule			
	Potential Non-Compliance (Immediate risk of high potential	0	0	Number of Items				
	impact to safety or reliability)	Ü	· ·	Number of items				
	Items Idendified Number of Level 1 GO-95				Determine if plan is on schedule			
	Potential Non-Compliance (Immediate risk of high potential	0	0	Number of Items				
	impact to safety or reliability)	•	-					
	Number of Level 2 GO-95				Determine if plan is on schedule			
	Potential Non-Compliance (Any other risk of at least moderate	<50	52	Number of Items				
	potential impact to safety or	30	32	Number of items				
	reliability) Items Idendified				Determine if plan is on schedule	Contracted 3rd party analysts or		
	Number of Level 2 GO-95 Potential Non-Compliance (Any					academic researchers could revie		
Operations	other risk of at least moderate potential impact to safety or	0	0	Number of Items		open as well as closed work order BVES GIS databases, staff interview		
	reliability) Items Outstanding				Determine if plan is on schedule	as well as spot-checking select iten for confirmation of status.		
	Number of Level 3 GO-95 Potential Non-Compliance (Any							
	risk of low potential impact to safety or reliability) Items	< 1500	139	Number Items				
	Idendified Number of Level 3 GO-95				Determine if plan is on schedule			
	Potential Non-Compliance (Any							
	risk of low potential impact to safety or reliability) Items	0	0	Number Items				
	Outstanding Number of Circuit Miles Patrolled				Determine if plan is on schedule			
	per GO-165	118	118.61	Number of Circuit Miles	Determine if plan is on schedule			
	Number of Circuit Miles Inspected per GO-165 (detailed inspection)	12	12	Number of Circuit Miles				
	Number of Poles Instrussively	45	46	Number of Poles	Determine if plan is on schedule			
	Inspected Number of Poles Failing				Determine if plan is on schedule			
	Instrussive Inspection	NA	9	Number of Poles	Determine if plan is on schedule			
	Number of Circuit Miles of LiDAR Survey	211	0	Number of Circuit Miles	Determine if plan is on schedule			
	Number of LiDAR trouble spots	N/A - this program does not have a specific target	0	Number of spots				
	Number of Circuit Miles of Exacter	<30	120	Number of Circuit Miles	Determine if plan is on schedule			
	Survey	N/A - this program does not have	120	Number of Circuit Wiles	Assess if communications plan has reduced customer concerns and risk events			
	Number of Exacter trouble spots	a specific target	10	Number of trouble spots	Assess outage impact on customers as a result of PSPS			
	Number of Customer Service Calls about Tree Trimming	N/A - this program does not have a specific target	0	Number of Calls		Contracted 3rd party analysts or academic researchers could revie		
Customer Service		2			Monitor changing climatic and weather patterns	open as well as closed work order		
customer service						BVES GIS databases, staff interview as well as spot-checking select item		
	SAIDI due to PSPS	N/A - this program does not have a specific target	0	System Average Interruption Duration Index	Monitor the need for PSPS events over time as an indicator of changing climatic and weather	for confirmation of status.		
					patterns			
						Contracted 3rd party analysts or		
Weather Conditions	Number of NFDRS "Very Dry" and	N/A - this program does not have	150	Number of Days		academic researchers could review open as well as closed work order		
weather conditions	"Dry" Days	a specific target	150	Number of Days		BVES GIS databases, staff interview as well as spot-checking select item		
					Monitor the need for PSPS events over time as an indicator of changing climatic and weather patterns	for confirmation of status.		
	Number of PSPS Events	N/A - this program does not have a specific target	0	Number of Events	Monitor the need for PSPS events over time as an indicator of changing climatic and weather patterns			
	Maximum recorded sustained	N/A - this program does not have	33	Miles per Hour	Monitor the need for PSPS events over time as an indicator of changing climatic and weather			
	winds Recorded by NWS Maximum recorded sustained	a specific target  N/A - this program does not have		,.	patterns			
	winds Recorded by BVES Weather Stations	a specific target	77.8	Miles per Hour	Monitor the need for PSPS events over time as an indicator of changing climatic and weather patterns			
	Stations Maximum recorded wind gusts Recorded by NWS	N/A - this program does not have a specific target	53	Miles per Hour	Monitor the need for PSPS events over time as an indicator of changing climatic and weather patterns			
					Access to	1		
	Maximum recorded wind gusts Recorded by BVES Weather	N/A - this program does not have a specific target	77.8	Miles per Hour	Monitor the need for PSPS events over time as an indicator of changing climatic and weather			

PSPS	Frequency of sustained high winds (number of days sustained wind > 50 mph) recorded by NWS	N/A - this program does not have a specific target	0	Number of Days	Monitor the need for PSPS events over time as an indicator of changing climatic and weather patterns	academic researchers could review open as well as closed work orders, BVES GIS databases, staff interviews, as well as spot-checking select items
	Frequency of sustained high winds (number of days sustained wind > 50 mph) recorded by BVES weather stations		2	Number of Days	Monitor the need for PSPS events over time as an indicator of changing climatic and weather patterns	for confirmation of status.
	Frequency of high wind gusts (number of days wind gusts > 50 mph) recorded by NWS	N/A - this program does not have a specific target	1	Number of Days	Monitor the need for PSPS events over time as an indicator of changing climatic and weather patterns	
	Frequency of high wind gusts (number of days wind gusts > 50 mph) recorded by BVES weather stations	N/A - this program does not have a specific target	2	Number of Days	Monitor the need for PSPS events over time as an indicator of changing climatic and weather patterns	

Note: The "2019 Performance" column only captures data from June 2019 [2019 WMP implementation start) to January 2020. Some "Program Targets" are estimates for May 2020 [2019 WMP end) based on June 2019-January 2020 performance.

Table 5: Accidental deaths due to utility wildfire mitigation initiatives, last 5 years

Activity								Victim								
Activity		Fu	III-time employ	ee				Contractor				P	Member of pub	lic		Total
Year	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019	
Inspection	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vegetation management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Utility fuel management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grid hardening	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 6: OSHA-reportable injuries due to utility wildfire mitigation initiatives, last 5 years

Activity								Victim								
Activity		F	ull-time employ	/ee				Contractor				P	Nember of pub	lic		Total
Year	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019	
Inspection	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vegetation management	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
Utility fuel management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grid hardening	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	

Note: On July 19, 2018, a line worker and the owner of Teele Tree Services made contact with a high voltage power line and sustained non-fatal injuries. The injury did not require reporting under CalOSHA guidelines but BVES chose to report the incident.

Table 7: Methodology for potential impact of ignitions
Reponse to WSD data request item BVES-43879-B-135

List of all data inputs used in impact simulation	Sources of data inputs	Data selection and treatment methodologies	Assumptions, including SME input	Equation(s), functions, or other algorithms used to obtain output	Output type(s), e.g., wind speed model	Comments
N/A - Bear Valley Electric Service does not have a proprietary model or methodology for evaluating the potential impact of ignitions. The utility's Subject Matter Expert evaluates the frequency of potential ignition events versus a set of impact categories (reliability, compliance, quality of service, safety and environmental) to develop total risk impact and scores.	model or methodology for	does not have a proprietary model or methodology for	N/A - Bear Valley Electric Service does not have a proprietary model or methodology for evaluating the potential impact of ignitions. The utility's Subject Matter Expert evaluates the frequency of potential ignition events versus a set of impact categories (reliability, compliance, quality of service, safety and environmental) to develop total risk impact and scores.	does not have a proprietary model or methodology for	N/A - Bear Valley Electric Service does not have a proprietary model or methodology for evaluating the potential impact of ignitions. The utility's Subject Matter Expert evaluates the frequency of potential ignition events versus as et of impact categories (reliability, compliance, quality of service, safety and environmental) to develop total risk impact and scores.	N/A - Bear Valley Electric Service does not have a proprietary model or methodology for evaluating the potential impact of ignitions. The utility's Subject Matter Expert evaluates the frequency of potential ignition events versus a set of impact categories (reliability, compliance, quality of service, safety and environmental) to develop total risk impact and scores.

#### Table 8: Man file requirements for recent and modelled conditions of utility service territory, last 5 years

Layer name	Measurements	2015	2016	2017	2018	2019	Average	Units	Attachment location	Comments
	Average annual number of Red Flag Warning days per square mile across service territory	0.0912	0.4427	0.4909	0.3307	0.1979	0.3107	Area, days, square mile resolution		BVES's service territory is 32 square miles
Recent weather patterns	Average 95 <sup>th</sup> percentile wind speed and prevailing direction (actual)	N/A - BVES is unable to provide this data at this time	N/A - BVES is unable to provide this data at this time	N/A - BVES is unable to provide this data at this time	N/A - BVES is unable to provide this data at this time	N/A - BVES is unable to provide this data at this time	unable to provide this data at this time	Area, miles per hour, at a square mile resolution or better, noting where measurements are actual	N/A - BVES is unable to provide this data at this time	BVES is unable to
	Average 99 <sup>th</sup> percentile wind speed and prevailing direction (actual)	N/A - BVES is unable to provide this data at this time	N/A - BVES is unable to provide this data at this time	N/A - BVES is unable to provide this data at this time	N/A - BVES is unable to provide this data at this time	N/A - BVES is unable to provide this data at this time	N/A - BVES is unable to provide this data at this time	or interpolated		each year at this time.
Recent drivers of ignition probability	Date of recent lightions categorized by lightion probability driver	of this type occurred during	N/A - No event of this type occurred during the 2015 - 2019 period; not applicable.	of this type occurred during	Point, GPS coordinate, days, square mile resolution	N/A - No event of this type occurred during the 2015 - 2019 period; not applicable.	BVES has not had any recent ignitions			
Recent use of PSPS	Duration of PSPS events and area of the grid affected in customer hours per year	of this type occurred during	N/A - No event of this type occurred during the 2015 - 2019 period; not applicable.	of this type occurred during	Area, customer hours, square mile resolution	N/A - No event of this type occurred during the 2015 - 2019 period; not applicable.	BVES has not had any recent use of PSPS			

Note: BVES is unable to provide the above requested data in GIS map file format at

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Laver Name	Measurements/Variables	Value	Unit(s)	Appendix Location
	Non-HFTD vs HFTD (Zone 1, Tier 2, Tier 3) regions of utility service territory	N/A - BVES does not have this information at thist ime	Area, square mile resolution per type	
Current baseline state of service territory and autility equipment	Urban vs. rural vs. highly rural regions of utility service territory	N/A - BVES does not have this information at thist ime	Area, square mile resolution per type	N/A - BVES does not have this information at thist ime
	WUI regions of utility service territory	N/A - BVES does not have this information at thist ime	Area, square mile resolution per type	

Layer Name	Measurements/Variables	Critical Facility	Address	GPS Coordinate	Unit(s)	Appendix Location
		City of Big Bear Lake (CBBL)	39707 Big Bear Blvd. Big Bear Lake, CA	34.238138, -116.935334		
		Big Bear Fire Department	41090 Big Sear Shel. Big Sear Lake CA	34.244454, -116.905308		
		Mountaintop Ranger District, U.S. Forest Service	41374 North Shore Drive, Hissay 38 Fawnskin, CA 92333	34.263421, -116.900904		
		San Bernardino County Sherriff's Department Big Bear Lake Patrol Station	477 Summit Blvd. Big Bear Lake, CA 92315	34.243900, -116.887824		
		Big Bear Area Regional Wastewater Agency (BBARWA)	121 Palomino Dr. Big Bear City, CA 92314	34.267869, -116.814973		
		Big Bear City Community Services District (CSD)	139 E. Big Bear Blvd. Ca 92314	34.261530, -116.844248		
Current baseline state of service territory and autility	Number and location of critical facilities	Big Bear Lake Water Department (DWP)	41972 Garstin Dr. Big Bear Lake, CA 92315	34.246650, -116.886294	Point, GPS Coordinate	N/A
equipment		Big Bear Municipal Water District (MWO)	40524 Lakeview CT, Big Bear Lake, CA 92315	34.242787, -116.917948	Point, GPS Coordinate	N/A
		Southwest Gas Corporation	140 Business Center Dr. Big Bear Lake, CA 92315	34.249530, -116.888579		
		Bear Valley Community Hospital	41870 Garstin Dr. Big Bear Lake, Ca 92315	34.246529, -116.881211		
		Bear Valley Unified School District	42271 Moonridge Rd. CA 92315	34.242345, -116.881211		
		Big Bear Chamber of Commerce	630 Bartlett Rd. Big Bear Lake, CA 92315	34.241133, -116.912336	1	
		Big Bear Airport District	501 W. Valley Blvd. Big Bear City, CA 92314	34.261844, -116.853605		
		Big Bear Mountain Resort/ Summit	880 Summit Blvd. Big Bear Lake, Ca 92315	34.236417, -116.889272	1	

Layer Name	Measurements/Variables Value		Unit(s)	Appendix Location
	Number and location of customers	N/A - BVES does not have this information at thist ime	Area, number of people, square mile resolution	
	Numer and Location of customers belonging to acces and functional needs populations	N/A - BVES does not have this information at thist ime	Area, number of people, square mile resolution	N/A
	Overhead transmission lines	N/A - BVES does not have this information at thist ime	Line, quarter mile resolution	
	Overhead distribution lines	N/A - BVES does not have this information at thist ime	Line, quarter mile resolution	

Laver Name	Measurement/syariables	Weather Station Name	Address	GPS Coordinates	Unit(s)	Appendix Location	
		Bear City Sub	322 West Meadow Ln. Bir Bear city, 92314	34.265381, -116.849596			
		Bear Mountain Sub	Lassen Dr., 1500 Pt W/O Primrose dr. big Bear City, 92314	34.224328, -116.857868			
		Division Sub	150' W/O Division Dr. Big Bear Lake, 92314	34.261855, -116.866588			
		Faramakin Sub	S/E Corner of Mast Dr. Bir Bear Lake, 92314	34.261406116.882163			
		Lake Sub	Garstin Dr. N/O Fox Farm Rd, Big Bear Lake, 92315	34.253290, -116.891879			
Current baseline state of service territory and autility		Malthy Sub	5/E Corner of Maltby Blvd, & Shore Dr. Big Bear City, 92314	34.266335116.830982			
	Location of Substations	Maple Sub	N/O Baldwin Ln & 500' W/O Maple Ln. Bir Bear City, 92314	34.250630116.827014	Point, GPS Coordinate	6.4	
equipment		Meadow Sub	N/O 42020 Garstin Dr. Big Bear Lake, 92315	34.247049, -116.885375			
		Moonridge Sub	S/E Corner of Clubview Dr. & Clover Dr. Big Bear Lake, 92315	34.226772116.863810			
		Palemine Sub	N/O Shay Rd & E/O Palomino Dr. Bie Bear City, 92314	34.268660116.814846			
		Pine Knot Sub	S/E Corner of Laboritan Dr. & Georgia St. Big Bear Lake, 92315	34.245323116.900342			
		Summit Sub	S/W Corner of Summit Blvd. Snow Summit Parking Lot. Big Bear Lake 92315	34.236216116.889647			
		Village Sub	150' W/O Knickerbocker Rd Big Bear Lake, 92315	34.240145116.910389			
		Triage and	The try of the territories and and the territories are				,
Laver Name	Measurement/svariables	Weather Station Name	X	Y	Pole #	Unit(s)	Appendix Location
		Souther	6882767.31835688	1910907.25969201	12524BV		
		Radford	6892602.18168080	1897637.83429690	12188BV	1	
		Clubylew	6903791.35668582	1911748.75614971	1311787	1	
		Gentin	6897851.88115513	1913880.76244089	13050BV	1	
		frein	6926748.82992281	1909355.71965373	12671BV	1	
		Suprise	6917065.08124572	1917065.08124572	2784EV		
		North Share	6871890.65026930	1913238.01733531	6984BV	1	
		Lampita	6883474 20244381	1914097 67677147	11054BV	1	
		Goldmine	6911505.43455663	1907868.05465005	73190V		
Current baseline state of service territory and autility		Baldwin	6020144 53342013	1931400.02595873	1017089	1	5.4
equipment	Location of Weather Stations	Dinner	6927051.82242705	1920353 18283623	119678V	Point, GPS Coordinate	6.4
		Promotio	6883614.95687313	1920094.83006522	12535BV		
		Nie Bear Dam	6870626.31191872	1912112.98119956	1210284CTC		
		f-male f	6013034 86303348	1917860 05418047	50268V		
I		Lake Williams	6932440.04655872	1909063,86363015	9607EV	1	
		2N10	6891981.36336863	1902964.04116414	4254BV		
		Erwin Lake	6924113.84897231	1912944.49659689	70258V		

Layer Name	Measurement/svariables	Value	Unit(s)	Appendix Location		
Current baseline state of service territory and autility equipment	All utility assets by asset type, model, age, specifications, and condition	N/A - BVES does not have this information at thist irre	Point, GPS Coordinate	N/A		
Laver Name	Inter Name Measurement (portables Value Intellés					
Land Name	Measurement/svariables Non-HFTD vs HFTD (Zone 1, Tier 2, Tier 3) regions of utility service territory	N/A - BVES does not have this information at thist ime	Line, quarter mile resolution	Accordix Location		
Location of planned utility equipment additions or removal	Urban vs. rural vs. highly rural regions of utility service	N/A - EVES does not have this information at thist ime	Line, quarter mile resolution	N/A		
cocation of prainted dring equipment accident of removal	WUI regions of utility service territory	N/A - BVES does not have this information at thist ime	Line, quarter mile resolution	N/A		
	Circuit miles of overhead transmission lines	N/A - BVES does not have this information at thist ime	Line, quarter mile resolution			
	Circuit miles of overhead distribution lines	N/A - BVES does not have this information at thist ime	Line. quarter mile resolution			
	Location of substations	N/A - BVES does not have this information at thist ime	Point, GPS coordinate			
Laver Name	Measurement/svariables	Value	Unit(s)	Appendix Location		
Planned 2020 WMP initiative activity per year	Location of 2020 WMP initiative activity for each activity as planned to be completed by the end of each year of the plan term	N/A - IIVES does not have this information at thist ime	Line, quarter mile resolution	N/A		

Table 10: Weather patterns, last 5 years
Response to WSD data request item BVES-43:

Weather measurement	2015	2016	2017	2018	2019	5-year historical average	Unit(s)
Red Flag Warning days	614.93	2,986.55	3,311.40	2,231.00	1,335.06	2,095.79	RFW circuit mile days per year
Days rated at the top 30% of proprietary fire potential index or similar fire risk index measure	107	151	118	129	87	118.40	Circuit mile days where proprietary measure rated above top 30% threshold per year
95 <sup>th</sup> percentile wind conditions	5,691.87	8,221.59	8,643.21	6,956.73	14,967.51	8,896.18	Circuit mile days with wind gusts over 95th percentile historical (meaning the prior 10 years, 2005-2014) conditions per year
99 <sup>th</sup> percentile wind conditions	1,897.29	2,318.91	2,318.91	1,686.48	6,535.11	2,951.34	Circuit mile days with wind gusts over 99th percentile historical (meaning the prior 10 years, 2005-2014) conditions per year
Other	N/A - Bear Valley Electric Service cannot provide data on any other weather patterns to the specificity requested at this time	N/A - Bear Valley Electric Service cannot provide data on any other weather patterns to the specificity requested at this time	N/A - Bear Valley Electric Service cannot provide data on any other weather patterns to the specificity requested at this time	N/A - Bear Valley Electric Service cannot provide data on any other weather patterns to the specificity requested at this time	N/A - Bear Valley Electric Service cannot provide data on any other weather patterns to the specificity requested at this time	N/A - Bear Valley Electric Service cannot provide data on any other weather patterns to the specificity requested at this time	N/A - Bear Valley Electric Service cannot provide data on any other weather patterns to the specificity requested at this time

Note:

BVES uses a contracted meteorologist that integrates data from the NFDRS, National Weather Service, and local real-time data from BVES' distributed weather stations (to account for local micro-climates) to ultimately assess relative local fire danger and risk. Reports are normally given weekly, and more often — up to several times a day — during heightened threat conditions. Operations personnel and leadership receive automated real-time alerts from BVES' weather stations when local winds exceed thresholds.

Navigant Consulting, Inc. (Navigant) assessed the NFDRS and estimated fire ratings of Brown ("Very Dry") or more severe as falling within the top 30% of the NFDRS.

When calculating circuit-mile days, Navigant multiplied the corresponding metric (RFW days, 95th/99th percentile wind conditions days) by the total number of overhead circuit miles in BVES' service territory, assuming that underground circuit miles are unaffected by wind conditions. Including underground circuit miles in this calculation would deflate the actual assessment of risk posed by wind and other wildfire-risk conditions. When a Red Flag Warning is issued for the San Bernardino Mountains, - including Big Bear Valley, which encompasses the entirey of BVES' service territory - the Warning applies to 100% of BVES' service territory -

Table 11: Key recent drivers of ignition probability, last 5 years

					Number of incidents per year					Average per	entage probab	oility of ignition	per incident			Numbe	r of ignitions p	er year from th	nis driver	
Incident type by ignition probability driver		Near misses tracked (y/n)?	2015	2016	2017	2018	2019	Average	2015	2016	2017	2018	2019	Average	2015	2016	2017	2018	2019	Average
	All types of object contact	Υ	6	35	12	8	4	13	0%	0%	0%	0%	0%	0%	0	0	0	0	0	0
Contact from object	Animal contact	Y	0	0	1	1	1	0.6	0%	0%	0%	0%	0%	0%	0	0	0	0	0	0
	Balloon contact	Y	0	1	0	0	0	0.2	0%	0%	0%	0%	0%	0%	0	0	0	0	0	0
	Veg. contact	Y	6	34	11	7	3	12.2	0%	0%	0%	0%	0%	0%	0	0	0	0	0	0
	Vehicle contact	Y	0	0	0	0	0	0	0%	0%	0%	0%	0%	0%	0	0	0	0	0	0
	All types	Y	40	40	42	23	16	32.2	0%	0%	0%	0%	0%	0%	0	0	0	0	0	0
	Capacitor bank failure	Υ	0	0	0	0	0	0	0%	0%	0%	0%	0%	0%	0	0	0	0	0	0
	Conductor failure—all	Υ	0	3	0	0	3	1.2	0%	0%	0%	0%	0%	0%	0	0	0	0	0	0
All types of equipment / facility	Conductor failure—wires down	Υ	0	3	0	0	3	1.2	0%	0%	0%	0%	0%	0%	0	0	0	0	0	0
failure	Fuse failure—all	Y	18	15	20	12	4	13.8	0%	0%	0%	0%	0%	0%	0	0	0	0	0	0
iaitile	Fuse failure—conventio nal blown fuse	Υ	18	15	20	10	4	13.4	0%	0%	0%	0%	0%	0%	0	0	0	0	0	0
	Lightning arrestor failure	Υ	0	0	0	0	0	0	0%	0%	0%	0%	0%	0%	0	0	0	0	0	0
	Switch failure	Y	0	0	0	0	0	0	0%	0%	0%	0%	0%	0%	0	0	0	0	0	0
	Transformer failure	Υ	4	4	2	1	2	2.6	0%	0%	0%	0%	0%	0%	0	0	0	0	0	0
Wire-to-wire contact / contaminal	tion	Υ	0	0	1	1	2	0.8	0%	0%	0%	0%	0%	0%	0	0	0	0	0	0
Other		v	0	1	0	0	0	0.2	0%	0%	0%	0%	0%	0%	0	0	0	0	0	0

**Note:** In 2018, an umbrella was caught in one of BVES's overhead distribution lines.

Table 12: Recent use of PSPS, last 5 years

PSPS characteristic	2015	2016	2017	2018	2019	Unit(s)
F3F3 Clidi acteristic	2015	2010	2017	2010	2019	
Frequency of PSPS events (total)	0	0	0	0	0	Number of instances where utility operating protocol requires de-energization of a
-4,						circuit or portion thereof to reduce ignition probability, per year
						Number of instances where utility operating protocol requires de-energization of a
Frequency of PSPS events (normalized)	0	0	0	0	0	circuit or portion thereof in order to reduce ignition probability, per RFW circuit mile day
						per year
	N/A - BVES did not					
Scope of PSPS events (total)	have any PSPS events	Circuit-events, measured in number of events multiplied by number of circuits de-				
	in this year	energized per year				
	N/A - BVES did not					
Scope of PSPS events (normalized)	have any PSPS events	Circuit-events, measured in number of events multiplied by number of circuits targeted				
	in this year	for de-energization per RFW circuit mile day per year				
	N/A - BVES did not					
Duration of PSPS events (total)	have any PSPS events	Customer hours per year				
	in this year					
	N/A - BVES did not					
Duration of PSPS events (normalized)	have any PSPS events	Customer hours per RFW circuit mile day per year				
	in this year					
	N/A - no other PSPS-	N/A - no other DSDS-	N/A - no other PSPS-	N/A - no other PSPS-	N/A - no other PSPS-	
Other						N/A - no other PSPS-related data to report
	related data to report					

Note: BVES has not had any recent use of PSPS over the 2015-2019 period.

Table 13: Current baseline state of service territory and utility equipment

Land use					
	Characteristic tracked	In non-HFTD	In HFTD Zone 1	In HFTD Tier 2	In HFTD Tier 3
		N/A - Bear Valley Electric Service does not have any	N/A - Bear Valley Electric Service does not have any	N/A - Bear Valley Electric Service does not have any	N/A - Bear Valley Electric Service does not have any
	Circuit miles	urban areas. The utility's	urban areas. The utility's	urban areas. The utility's	urban areas. The utility's
		service territory is entirely	service territory is entirely	service territory is entirely	service territory is entirely
		rural.	rural.	rural.	rural.
		N/A - Bear Valley Electric	N/A - Bear Valley Electric	N/A - Bear Valley Electric	N/A - Bear Valley Electric
		Service does not have any	Service does not have any	Service does not have any	Service does not have any
	Circuit miles in WUI	urban areas. The utility's	urban areas. The utility's	urban areas. The utility's	urban areas. The utility's
		service territory is entirely	service territory is entirely	service territory is entirely	service territory is entirely
ŀ		rural. N/A - Bear Valley Electric	rural. N/A - Bear Valley Electric	rural. N/A - Bear Valley Electric	rural. N/A - Bear Valley Electric
		Service does not have any	Service does not have any	Service does not have any	Service does not have any
	Number of critical facilities	urban areas. The utility's	urban areas. The utility's	urban areas. The utility's	urban areas. The utility's
		service territory is entirely	service territory is entirely	service territory is entirely	service territory is entirely
		rural.	rural.	rural.	rural.
		N/A - Bear Valley Electric	N/A - Bear Valley Electric	N/A - Bear Valley Electric	N/A - Bear Valley Electric
		Service does not have any	Service does not have any	Service does not have any	Service does not have any
	Number of critical facilities in WUI	urban areas. The utility's	urban areas. The utility's	urban areas. The utility's	urban areas. The utility's
		service territory is entirely	service territory is entirely	service territory is entirely	service territory is entirely
		rural. N/A - Bear Valley Electric	rural. N/A - Bear Valley Electric	rural. N/A - Bear Valley Electric	rural. N/A - Bear Valley Electric
		Service does not have any	Service does not have any	Service does not have any	Service does not have any
	Number of customers	urban areas. The utility's	urban areas. The utility's	urban areas. The utility's	urban areas. The utility's
		service territory is entirely	service territory is entirely	service territory is entirely	service territory is entirely
		rural.	rural.	rural.	rural.
		N/A - Bear Valley Electric	N/A - Bear Valley Electric	N/A - Bear Valley Electric	N/A - Bear Valley Electric
		Service does not have any	Service does not have any	Service does not have any	Service does not have any
	Number of customers in WUI	urban areas. The utility's	urban areas. The utility's	urban areas. The utility's	urban areas. The utility's
		service territory is entirely	service territory is entirely	service territory is entirely	service territory is entirely
		rural. N/A - Bear Valley Electric	rural. N/A - Bear Valley Electric	rural.	rural. N/A - Bear Valley Electric
				N/A - Bear Valley Electric	
ļ		Service does not have any	Service does not have any	Service does not have any	Service does not have any
	Number of customers belonging to access and functional needs populations	urban areas. The utility's	urban areas. The utility's	urban areas. The utility's	urban areas. The utility's
		service territory is entirely	service territory is entirely	service territory is entirely	service territory is entirely
In urban areas		rural.	rural.	rural.	rural.
		N/A - Bear Valley Electric Service does not have any	N/A - Bear Valley Electric Service does not have any	N/A - Bear Valley Electric Service does not have any	N/A - Bear Valley Electric Service does not have any
ļ	Number of customers belonging to access and functional needs populations in WUI	urban areas. The utility's	urban areas. The utility's	urban areas. The utility's	urban areas. The utility's
ļ	reamber of costoniers belonging to access and ranctional needs populations in wor	service territory is entirely	service territory is entirely	service territory is entirely	service territory is entirely
			rural.		
ŀ		rural. N/A - Bear Valley Electric	N/A - Bear Valley Electric	rural. N/A - Bear Valley Electric	rural. N/A - Bear Valley Electric
		Service does not have any	Service does not have any	Service does not have any	Service does not have any
ļ	Circuit miles of overhead transmission lines	urban areas. The utility's	urban areas. The utility's	urban areas. The utility's	urban areas. The utility's
ļ		service territory is entirely	service territory is entirely	service territory is entirely	service territory is entirely
		rural.	rural.	rural.	rural.
		N/A - Bear Valley Electric	N/A - Bear Valley Electric	N/A - Bear Valley Electric	N/A - Bear Valley Electric
		Service does not have any	Service does not have any	Service does not have any	Service does not have any
	Circuit miles of overhead transmission lines in WUI	urban areas. The utility's	urban areas. The utility's	urban areas. The utility's	urban areas. The utility's
		service territory is entirely	service territory is entirely	service territory is entirely	service territory is entirely
ļ		rural. N/A - Bear Valley Electric	rural.	rural.	rural. N/A - Bear Valley Electric
		Service does not have any	N/A - Bear Valley Electric Service does not have any	N/A - Bear Valley Electric	
	Circuit william of accorded distribution lines			Service does not have any	Service does not have any
	Circuit miles of overhead distribution lines	urban areas. The utility's	urban areas. The utility's	urban areas. The utility's	urban areas. The utility's
		service territory is entirely	service territory is entirely	service territory is entirely	service territory is entirely
•		N/A - Bear Valley Electric	rural. N/A - Bear Valley Electric	rural. N/A - Bear Valley Electric	rural. N/A - Bear Valley Electric
		Service does not have any	Service does not have any	Service does not have any	Service does not have any
	Circuit miles of overhead distribution lines in WUI	urban areas. The utility's	urban areas. The utility's	urban areas. The utility's	urban areas. The utility's
		service territory is entirely	service territory is entirely	service territory is entirely	service territory is entirely
		rural.	rural.	rural.	rural.
		N/A - Bear Valley Electric	N/A - Bear Valley Electric	N/A - Bear Valley Electric	N/A - Bear Valley Electric
		Service does not have any	Service does not have any	Service does not have any	Service does not have any
	Number of substations	urban areas. The utility's	urban areas. The utility's	urban areas. The utility's	urban areas. The utility's
		service territory is entirely	service territory is entirely	service territory is entirely	service territory is entirely
		rural.	rural.	rural.	rural.
		N/A - Bear Valley Electric Service does not have any	N/A - Bear Valley Electric Service does not have any	N/A - Bear Valley Electric Service does not have any	N/A - Bear Valley Electric Service does not have any
	Number of substations in WUI	urban areas. The utility's	urban areas. The utility's	urban areas. The utility's	urban areas. The utility's
	realiser of substations in wor	service territory is entirely	service territory is entirely	service territory is entirely	service territory is entirely
		rural.	rural.	rural.	rural.
		Turai.	Turdi.	Turai.	idial.
		N/A - Bear Valley Electric	N/A - Bear Valley Electric		
	Circuit miles	Service's Service Territory is	Service's Service Territory is	263.62	1.27
		entirely HFTD 2 or 3	entirely HFTD 2 or 3		
		.,	.,		
ŀ					
		N/A - Bear Valley Electric	N/A - Bear Valley Electric		
	Circuit miles in WUI	Service's Service Territory is	Service's Service Territory is	0.00	0.00
ļ		entirely HFTD 2 or 3	entirely HFTD 2 or 3		
		,	,		
	<del></del>				
ļ		N/A - Bear Valley Electric		ı	
			N/A - Bear Valley Electric	4 -	
	Number of critical facilities	Service's Service Territory is	Service's Service Territory is	14	0.00
	Number of critical facilities	Service's Service Territory is entirely HFTD 2 or 3		14	0.00
	Number of Citical facilities		Service's Service Territory is	14	0.00
	number of critical facilities		Service's Service Territory is	14	0.00
	Number of critical facilities in WUI	entirely HFTD 2 or 3	Service's Service Territory is entirely HFTD 2 or 3	0.00	0.00
		entirely HFTD 2 or 3  N/A - Bear Valley Electric	Service's Service Territory is entirely HFTD 2 or 3 N/A - Bear Valley Electric		
		entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is	Service's Service Territory is entirely HFTD 2 or 3 N/A - Bear Valley Electric Service's Service Territory is		
		entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3	Service's Service Territory is entirely HFTD 2 or 3 N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3		
	Number of critical facilities in WUI	entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric	Service's Service Territory is entirely HFTD 2 or 3 N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3 N/A - Bear Valley Electric	0.00	0.00
		entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is	Service's Service Territory is entirely HFTD 2 or 3 N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3 N/A - Bear Valley Electric Service's Service Territory is		
	Number of critical facilities in WUI	entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric	Service's Service Territory is entirely HFTD 2 or 3 N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3 N/A - Bear Valley Electric	0.00	0.00
	Number of critical facilities in WUI	entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is	Service's Service Territory is entirely HFTD 2 or 3 N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3 N/A - Bear Valley Electric Service's Service Territory is	0.00	0.00
	Number of critical facilities in WUI	entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is	Service's Service Territory is entirely HFTD 2 or 3 N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3 N/A - Bear Valley Electric Service's Service Territory is	0.00	0.00
	Number of critical facilities in WUI	entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3	Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3	0.00	0.00
	Number of critical facilities in WUI  Number of customers	entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric	Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric	0.00	0.00
	Number of critical facilities in WUI  Number of customers	entirely HFTD 2 or 3  N/A- Bear Valley Electric Senvice's Service Territory is entirely HFTD 2 or 3  N/A- Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A- Bear Valley Electric Service's Service Territory is	Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3	0.00	0.00
	Number of critical facilities in WUI  Number of customers	entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3	Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3	0.00	0.00
	Number of critical facilities in WUI  Number of customers  Number of customers in WUI	entirely HFTD 2 or 3  N/A- Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A- Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A- Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A- Bear Valley Electric	Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3	0.00 24,424 N/A - no data available	0.00
	Number of critical facilities in WUI  Number of customers	entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is	Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3	0.00	0.00
	Number of critical facilities in WUI  Number of customers  Number of customers in WUI	entirely HFTD 2 or 3  N/A- Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A- Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A- Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A- Bear Valley Electric	Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3	0.00 24,424 N/A - no data available	0.00
	Number of critical facilities in WUI  Number of customers  Number of customers in WUI	entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is	Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3	0.00 24,424 N/A - no data available	0.00
	Number of critical facilities in WUI  Number of customers  Number of customers in WUI	entirely HFTD 2 or 3  N/A- Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A- Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A- Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A- Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3	Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3	0.00 24,424 N/A - no data available	0.00
In rural areas	Number of critical facilities in WUI  Number of customers  Number of customers in WUI  Number of customers belonging to access and functional needs populations	entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric	Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3	0.00  24,424  N/A - no data available  0.00	0.00
In rural areas	Number of critical facilities in WUI  Number of customers  Number of customers in WUI	entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3	Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3	0.00 24,424 N/A - no data available	0.00
In rural areas	Number of critical facilities in WUI  Number of customers  Number of customers in WUI  Number of customers belonging to access and functional needs populations	entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric	Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3	0.00  24,424  N/A - no data available  0.00	0.00
In rural areas	Number of critical facilities in WUI  Number of customers  Number of customers in WUI  Number of customers belonging to access and functional needs populations	entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3	Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3	0.00  24,424  N/A - no data available  0.00  N/A - no data available	0.00
In rural areas	Number of critical facilities in WUI  Number of customers  Number of customers in WUI  Number of customers belonging to access and functional needs populations	entirely HFTD 2 or 3  N/A- Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A- Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A- Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A- Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A- Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3	Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3	0.00  24,424  N/A - no data available  0.00  N/A - no data available	0.00  0.00  0.00  0.00  N/A - Bear Valley Electric
In rural areas	Number of critical facilities in WUI  Number of customers  Number of customers in WUI  Number of customers belonging to access and functional needs populations  Number of customers belonging to access and functional needs populations in WUI	entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3	Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3	0.00  24,424  N/A - no data available  0.00  N/A - no data available  N/A - Bear Valley Electric Service does not have any	0.00  0.00  0.00  0.00  N/A - Bear Valley Electric Service does not have any
In rural areas	Number of critical facilities in WUI  Number of customers  Number of customers in WUI  Number of customers belonging to access and functional needs populations	entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3	Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3	0.00  24,424  N/A - no data available  0.00  N/A - no data available  N/A - Bear Valley Electric Service does not have any overhead transmission lines.	0.00  0.00  0.00  0.00  N/A - Bear Valley Electric Service does not have any overhead transmission lines.
In rural areas	Number of critical facilities in WUI  Number of customers  Number of customers in WUI  Number of customers belonging to access and functional needs populations  Number of customers belonging to access and functional needs populations in WUI	entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3	Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3  N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3	0.00  24,424  N/A - no data available  0.00  N/A - no data available  N/A - Bear Valley Electric Service does not have any	0.00  0.00  0.00  0.00  N/A - Bear Valley Electric Service does not have any

	Circuit miles of overhead transmission lines in WUI	N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3	N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3	0.00	0.00
	Circuit miles of overhead distribution lines	N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3	N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3	209.54	1.27
	Circuit miles of overhead distribution lines in WUI	N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3	N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3	0.00	0.00
	Number of substations	N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3	N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3	13	0.00
	Number of substations in WUI	N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3	N/A - Bear Valley Electric Service's Service Territory is entirely HFTD 2 or 3	0.00	0.00
	Circuit miles	N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely rural.	N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely rural.	N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely rural.	N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely rural.
	Circuit miles in WUI	N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely	N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely rural.	N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely	N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely rural.
	Number of critical facilities	N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely	N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely	N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely	N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely
	Number of critical facilities in WUI	N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely	n/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely	n/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely	nural.  N/A - Bear Valley Electric  Service does not have any highly rural areas. The utility's service territory is entirely
	Number of customers	n/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely	rural. N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely	rural. N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely	rural. N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely
	Number of customers in WUI	n/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely	n/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely	n/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely	n/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely
	Number of customers belonging to access and functional needs populations	N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely	N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely	N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely	N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely
In highly rural areas	Number of customers belonging to access and functional needs populations in WUI	N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely	N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely	N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely	N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely
	Circuit miles of overhead transmission lines	N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely	N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely	N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely	N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely
	Circuit miles of overhead transmission lines in WUI	N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely	N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely	N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely	N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely
	Circuit miles of overhead distribution lines	N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely	N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely	N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely	N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely
	Circuit miles of overhead distribution lines in WUI	N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely	N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely	N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely	N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely
	Number of substations	rural.  N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely	rural.  N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely	nural.  N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely	rural.  N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely
	Number of substations in WUI	rural, N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely	rural.  N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely	rural.  N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely	rural.  N/A - Bear Valley Electric Service does not have any highly rural areas. The utility's service territory is entirely
		rural.	rural.	rural.	rural.

Note: BVES does not have any urban or highly rural areas within its service territory. The utility's service territory is entirely rural and either HFTD Tier 2 or Tier 3.

The utility does not have any transmission lines as all of its lines are below 65 kV.

BVES has not tracked which portions of its distribution system and other utilty-owned infrastructure or assets are located in WUI-designated areas.

Table 14: Summary data on weather station count

Weather station count type	Current count	Unit(s)
Number of weather stations (total)	11	Total number located in service territory and operated by utility
Number of weather stations (normalized)	0.0522	Total number located in service territory and operated by utility, divided by total number of circuit miles in utility service territory
Number of weather stations in non-HFTD (total)	0	Total number located in non-HFTD service territory and operated by utility
Number of weather stations in non-HFTD (normalized)	0	Total number located in non-HFTD service territory and operated by utility, divided by total number of circuit miles in non-HFTD service territory
Number of weather stations in HFTD Zone 1 (total)	0	Total number located in HFTD Zone 1 service territory and operated by utility
Number of weather stations in HFTD Zone 1 (normalized)	0	Total number located in HFTD Zone 1 service territory and operated by utility, divided by total number of circuit miles in HFTD Zone 1 service territory
Number of weather stations in HFTD Tier 2 (total)	10	Total number located in HFTD Tier 2 service territory and operated by utility
Number of weather stations in HFTD Tier 2 (normalized)	0.0477	Total number located in HFTD Tier 2 service territory and operated by utility, divided by total number of circuit miles in HFTD Tier 2 service territory
Number of weather stations in HFTD Tier 3 (total)	1	Total number located in HFTD Tier 3 service territory and operated by utility
Number of weather stations in HFTD Tier 3 (normalized)	0.7874	Total number located in HFTD Tier 3 service territory and operated by utility, divided by total number of circuit miles in HFTD Tier 3 service territory

# Note:

The utility's service territory is entirely rural and either HFTD Tier 2 or Tier 3.

Circuit miles were calculated as the total overhead circuit miles, assuming that underground circuit miles are unaffected by wind conditions. Including underground circuit miles in this calculation would deflate the actual assessment of risk posed by wind and other wildfire-risk conditions.

Table 15: Summary data on fault indicator count

Fault indicator count type	Current count	Unit(s)
Number of fault indicators (total)	87	Total number located in service territory and operated by utility
Number of fault indicators (normalized)	0.4127	Total number located in service territory and operated by utility, divided by total number of circuit miles in utility service territory
Number of fault indicators in non-HFTD (total)	0	Total number located in non-HFTD service territory and operated by utility
Number of fault indicators in non-HFTD (normalized)	0	Total number located in non-HFTD service territory and operated by utility, divided by total number of circuit miles in non-HFTD service
Number of fault indicators in non-HFTD (normalized)	U	territory
Number of fault indicators in HFTD Zone 1 (total)	0	Total number located in HFTD Zone 1 service territory and operated by utility
Number of fault indicators in HFTD Zone 1 (normalized)	0	Total number located in HFTD Zone 1 service territory and operated by utility, divided by total number of circuit miles in HFTD Zone 1 service
Number of fault indicators in the 1D zone 1 (normalized)	U	territory
Number of fault indicators in HFTD Tier 2 (total)	87	Total number located in HFTD Tier 2 service territory and operated by utility
Number of fault indicators in HFTD Tier 2 (normalized)	0.4152	Total number located in HFTD Tier 2 service territory and operated by utility, divided by total number of circuit miles in HFTD Tier 2 service
Number of fault indicators in the D fiel 2 (normalized)	0.4132	territory
Number of fault indicators in HFTD Tier 3 (total)	0	Total number located in HFTD Tier 3 service territory and operated by utility
Number of fault indicators in HFTD Tier 3 (normalized)	0	Total number located in HFTD Tier 3 service territory and operated by utility, divided by total number of circuit miles in HFTD Tier 3 service
Number of fault indicators in HFTD Her 3 (normalized)	U	territory

Note: The utility's service territory is entirely rural and either HFTD Tier 2 or Tier 3.

Circuit miles were calculated as the total overhead circuit miles, assuming that underground circuit miles are unaffected by wind conditions. Including underground circuit miles in this calculation would deflate the actual assessment of risk posed by wind and other wildfire-risk conditions.

Table 16: Location of planned utility equipment additions or removal by end of 3-year plan term Response to WSD data request item BVES-43879-G-149

to WSD data request item BVE		Changes b	Changes by end-2022			
Land use	Characteristic tracked	In non-HFTD	In HFTD Zone 1	In HFTD Tier 2	In HFTD Tier 3	
		N/A - Bear Valley Electric	N/A - Bear Valley Electric	N/A - Bear Valley Electric	N/A - Bear Valley Electric	
	Circuit miles of overhead transmission lines	Service does not have any urban areas. The utility's	Service does not have any urban areas. The utility's	Service does not have any urban areas. The utility's	Service does not have any urban areas. The utility's	
	Circuit filles of overflead transmission files	service territory is entirely	service territory is entirely	service territory is entirely	service territory is entirely	
		rural.	rural.	rural.	rural.	
		N/A - Bear Valley Electric Service does not have any	N/A - Bear Valley Electric Service does not have any	N/A - Bear Valley Electric	N/A - Bear Valley Electric	
	Circuit miles of overhead distribution lines	urban areas. The utility's	urban areas. The utility's	Service does not have any urban areas. The utility's	Service does not have any urban areas. The utility's	
	and the state of t	service territory is entirely	service territory is entirely	service territory is entirely	service territory is entirely	
		rural.	rural.	rural.	rural.	
		N/A - Bear Valley Electric Service does not have any	N/A - Bear Valley Electric Service does not have any	N/A - Bear Valley Electric Service does not have any	N/A - Bear Valley Electric Service does not have any	
	Circuit miles of overhead transmission lines in WUI	urban areas. The utility's	urban areas. The utility's	urban areas. The utility's	urban areas. The utility's	
		service territory is entirely	service territory is entirely	service territory is entirely	service territory is entirely	
		rural.	rural.	rural.	rural.	
		N/A - Bear Valley Electric Service does not have any	N/A - Bear Valley Electric Service does not have any	N/A - Bear Valley Electric Service does not have any	N/A - Bear Valley Electric Service does not have any	
	Circuit miles of overhead distribution lines in WUI	urban areas. The utility's	urban areas. The utility's	urban areas. The utility's	urban areas. The utility's	
		service territory is entirely	service territory is entirely	service territory is entirely	service territory is entirely	
		rural. N/A - Bear Valley Electric	rural. N/A - Bear Valley Electric	rural. N/A - Bear Valley Electric	rural. N/A - Bear Valley Electric	
		Service does not have any	Service does not have any	Service does not have any	Service does not have any	
	Number of substations	urban areas. The utility's	urban areas. The utility's	urban areas. The utility's	urban areas. The utility's	
In urban areas		service territory is entirely	service territory is entirely	service territory is entirely	service territory is entirely	
		rural. N/A - Bear Valley Electric	rural. N/A - Bear Valley Electric	rural. N/A - Bear Valley Electric	rural. N/A - Bear Valley Electric	
		Service does not have any	Service does not have any	Service does not have any	Service does not have any	
1	Number of substations in WUI	urban areas. The utility's	urban areas. The utility's	urban areas. The utility's	urban areas. The utility's	
1		service territory is entirely	service territory is entirely	service territory is entirely	service territory is entirely	
		rural.	rural.	rural.	rural.	
		N/A - Bear Valley Electric	N/A - Bear Valley Electric	N/A - Bear Valley Electric	N/A - Bear Valley Electric	
		Service has not previously	Service has not previously	Service has not previously	Service has not previously	
		tracked the number of weather	tracked the number of weather	tracked the number of weather	tracked the number of weather	
		stations in the WUI and could	stations in the WUI and could	stations in the WUI and could	stations in the WUI and could	
	Number of weather stations	not determine this data within the timeframe given for this	not determine this data within the timeframe given for this	not determine this data within the timeframe given for this	not determine this data within the timeframe given for this	
	Number of weather stations	Plan. The utility will do so going	Plan. The utility will do so going	Plan. The utility will do so going	Plan. The utility will do so going	
		forward. Additionally, BVES	forward. Additionally, BVES	forward. Additionally, BVES	forward. Additionally, BVES	
		does not have any urban areas.	does not have any urban areas.	does not have any urban areas.	does not have any urban areas.	
		The utility's service territory is	The utility's service territory is	The utility's service territory is	The utility's service territory is	
		entirely rural	entirely rural	entirely rural	entirely rural	
		N/A - Bear Valley Electric	N/A - Bear Valley Electric	N/A - Bear Valley Electric	N/A - Bear Valley Electric	
		Service does not have any	Service does not have any	Service does not have any	Service does not have any	
	Number of weather stations in WUI	urban areas. The utility's service territory is entirely	urban areas. The utility's service territory is entirely	urban areas. The utility's service territory is entirely	urban areas. The utility's service territory is entirely	
		rural.	rural.	rural.	rural.	
		N/A - Bear Valley Electric	N/A - Bear Valley Electric	N/A - Bear Valley Electric	N/A - Bear Valley Electric	
	Circuit miles of a control of the co	Service does not have any	Service does not have any	Service does not have any	Service does not have any	
	Circuit miles of overhead transmission lines	transmission lines. All of the utility's electric lines are below	transmission lines. All of the utility's electric lines are below	transmission lines. All of the utility's electric lines are below	transmission lines. All of the utility's electric lines are below	
		65 kV.	65 kV.	65 kV.	65 kV.	
		N/A - Bear Valley Electric	N/A - Bear Valley Electric			
		Service has not planned any	Service has not planned any			
	Circuit miles of overhead distribution lines	overhead distribution line	overhead distribution line	0	0	
		additions or removals in this	additions or removals in this			
		N/A - Bear Valley Electric	HFTD over the 3-year plan term	NI/A Describeration	NI/A Describer Fleshie	
		Service has not yet tracked the	N/A - Bear Valley Electric Service has not yet tracked the	N/A - Bear Valley Electric Service has not yet tracked the	N/A - Bear Valley Electric Service has not yet tracked the	
	Circuit miles of overhead transmission lines in WUI	number of overhead	number of overhead	number of overhead	number of overhead	
		transmission lines in WUI	distribution lines in WUI	distribution lines in WUI	distribution lines in WUI	
		N/A - Bear Valley Electric	N/A - Bear Valley Electric	N/A - Bear Valley Electric	N/A - Bear Valley Electric	
	Circuit miles of overhead distribution lines in WUI	number of overhead	Service has not yet tracked the	number of overhead	number of overhead	
		distribution lines in WUI	distribution lines in WUI	distribution lines in WUI	distribution lines in WUI	
		N/A - Bear Valley Electric	N/A - Bear Valley Electric			
		Service does not have any	Service does not have any			
	Number of substations		planned substation additions or	13	0	
In rural areas		removals by end of 3-year plan	removals by end of 3-year plan			
III Turdi dreds		term in this HFTD	term in this HFTD			
		N/A - Bear Valley Electric	N/A - Bear Valley Electric	N/A - Bear Valley Electric	N/A - Bear Valley Electric	
	Number of substations in WUI	Service has not yet tracked the	Service has not yet tracked the	Service has not yet tracked the	Service has not yet tracked the	
		number of substations in WUI	number of substations in WUI	number of substations in WUI	number of substations in WUI	
1		N/A - Bear Valley Electric	N/A - Bear Valley Electric			
1		Service does not have any	Service does not have any			
	Number of weather stations	planned weather station	planned weather station	9	0	
1		additions or removals by end	additions or removals by end			
1		of 3-year plan term in this HFTD	of 3-year plan term in this HFTD			
1		N/A - Bear Valley Electric	N/A - Bear Valley Electric	N/A - Bear Valley Electric	N/A - Bear Valley Electric	
1		Service has not previously	Service has not previously	Service has not previously	Service has not previously	
1		tracked the number of weather	tracked the number of weather	tracked the number of weather	tracked the number of weather	
1		stations in the WUI and could	stations in the WUI and could	stations in the WUI and could	stations in the WUI and could	
1	Number of weather stations in WUI	not determine this data within the timeframe given for this	not determine this data within the timeframe given for this	not determine this data within the timeframe given for this	not determine this data within the timeframe given for this	
1	S. Wedner Stations III WOI	Plan. The utility will do so going	Plan. The utility will do so going	Plan. The utility will do so going	Plan. The utility will do so going	
1		forward. Additionally, BVES	forward. Additionally, BVES	forward. Additionally, BVES	forward. Additionally, BVES	
1		does not have any urban areas.	does not have any urban areas.	does not have any urban areas.	does not have any urban areas.	
		The utility's service territory is	The utility's service territory is	The utility's service territory is	The utility's service territory is	
		entirely rural	entirely rural	entirely rural	entirely rural	

	1	1 1/4 D 1/ II 51 1 1	1 1/4 5 1/11 51 1:	1/4 5 1/1 5	11/4 0 1/11 51 11
		N/A - Bear Valley Electric	N/A - Bear Valley Electric	N/A - Bear Valley Electric	N/A - Bear Valley Electric
		Service does not have any	Service does not have any	Service does not have any	Service does not have any
	Circuit miles of overhead transmission lines	highly rural areas. The utility's	highly rural areas. The utility's	highly rural areas. The utility's	highly rural areas. The utility's
		service territory is entirely	service territory is entirely	service territory is entirely	service territory is entirely
		rural.	rural.	rural.	rural.
		N/A - Bear Valley Electric	N/A - Bear Valley Electric	N/A - Bear Valley Electric	N/A - Bear Valley Electric
		Service does not have any	Service does not have any	Service does not have any	Service does not have any
	Circuit miles of overhead distribution lines	highly rural areas. The utility's	highly rural areas. The utility's	highly rural areas. The utility's	highly rural areas. The utility's
		service territory is entirely	service territory is entirely	service territory is entirely	service territory is entirely
		rural.	rural.	rural.	rural.
		N/A - Bear Valley Electric	N/A - Bear Valley Electric	N/A - Bear Valley Electric	N/A - Bear Valley Electric
		Service does not have any	Service does not have any	Service does not have any	Service does not have any
	Circuit miles of overhead transmission lines in WUI	highly rural areas. The utility's	highly rural areas. The utility's	highly rural areas. The utility's	highly rural areas. The utility's
		service territory is entirely	service territory is entirely	service territory is entirely	service territory is entirely
			, , , , , , , , , , , , , , , , , , , ,		
		rural. N/A - Bear Valley Electric	rural. N/A - Bear Valley Electric	rural. N/A - Bear Valley Electric	rural. N/A - Bear Valley Electric
		Service does not have any	Service does not have any	Service does not have any	Service does not have any
	Circuit miles of overhead distribution lines in WUI	highly rural areas. The utility's	highly rural areas. The utility's	highly rural areas. The utility's	highly rural areas. The utility's
		service territory is entirely	service territory is entirely	service territory is entirely	service territory is entirely
		rural.			
		N/A - Bear Valley Electric	rural. N/A - Bear Valley Electric	rural. N/A - Bear Valley Electric	rural. N/A - Bear Valley Electric
In highly rural areas		Service does not have any	Service does not have any	Service does not have any	Service does not have any
,	Number of substations	highly rural areas. The utility's	highly rural areas. The utility's	highly rural areas. The utility's	highly rural areas. The utility's
		service territory is entirely	service territory is entirely	service territory is entirely	service territory is entirely
		rural.	rural.	rural.	rural.
		N/A - Bear Valley Electric	N/A - Bear Valley Electric	N/A - Bear Valley Electric	N/A - Bear Valley Electric
		Service does not have any	Service does not have any	Service does not have any	Service does not have any
	Number of substations in WUI	highly rural areas. The utility's	highly rural areas. The utility's	highly rural areas. The utility's	highly rural areas. The utility's
	Transcr of Substations in Wor	service territory is entirely	service territory is entirely	service territory is entirely	service territory is entirely
		rural.	rural.	rural.	rural.
		N/A - Bear Valley Electric	N/A - Bear Valley Electric	N/A - Bear Valley Electric	N/A - Bear Valley Electric
		Service has not previously	Service has not previously	Service has not previously	Service has not previously
				tracked weather stations within	
		the WUI but will do so going	the WUI but will do so going	the WUI but will do so going	the WUI but will do so going
	Number of weather stations	forward. does not have any	forward. does not have any	forward. does not have any	forward. does not have any
				highly rural areas. The utility's	
		highly rural areas. The utility's	highly rural areas. The utility's		highly rural areas. The utility's
1		service territory is entirely	service territory is entirely	service territory is entirely	service territory is entirely
1		N/A - Bear Valley Electric	N/A - Bear Valley Electric	N/A - Bear Valley Electric	N/A - Bear Valley Electric
1		Service does not have any	Service does not have any	Service does not have any	Service does not have any
1	Number of weather stations in WUI	highly rural areas. The utility's		highly rural areas. The utility's	highly rural areas. The utility's
1	Number of weather stations iif WOI		highly rural areas. The utility's		
1		service territory is entirely	service territory is entirely	service territory is entirely	service territory is entirely
		rural.	rural.	rural.	rural.

Transmission lines refer to all lines at or above 65kV, and distribution lines refer to all lines below 65kV.

 $\textbf{Note:} \ \text{The utility does not have any transmission lines as all of its lines are below 65kV}.$ 

The utility does not plan to add or remove any overhead distribution lines.

BVES does not track which portions of its distribution system and other utilty-owned infrastructure or assets are located in WUI-designated areas.

The utility does not have any urban or highly rural aras. BVES' entire service territory is rural.

Land use	Characteristic tracked	2020	In non-HFTD 2021	2022	2020	In HFTD Zone 1 2021	2022	2020	In HFTD Tier 2 2021	2022	2020	In HFTD Tier 3 2021	
Fotal circuit miles planne	d for hardening each year, all types and locations	N/A - Bear Valley Electric Service's entire Service Territory is in HFTD 2 or 3	N/A - Bear Valley Electric Service's entire Service Territory is in HFTD 2 or 3	N/A - Bear Valley Electric Service's entire Service Territory is in HFTD 2 or 3	N/A - Bear Valley Electric Service's entire Service Territory is in HFTD 2 or 3	N/A - Bear Valley Electric Service's entire Service Territory is in HFTD 2 or 3	N/A - Bear Valley Electric Service's entire Service Territory is in HFTD 2 or 3	6	8	8	2	0	
Fotal number of substation	ons planned for hardening each year, all locations	N/A - Bear Valley Electric Service's entire Service Territory is in	N/A - Bear Valley Electric Service's entire Service Territory is in	N/A - Bear Valley Electric Service's entire Service Territory is in	N/A - Bear Valley Electric Service's entire Service Territory is in	N/A - Bear Valley Electric Service's entire Service Territory is in	N/A - Bear Valley Electric Service's entire Service Territory is in	1	1	1	0	0	
		N/A - Bear Valley Electric Service does	N/A - Bear Valley Electric Service does	N/A - Bear Valley Electric Service does	N/A - Bear Valley Electric Service does	N/A - Bear Valley Electric Service does	N/A - Bear Valley	N/A - Bear Valley	N/A - Bear Valley	N/A - Bear Valley	N/A - Bear Valley	N/A - Bear Valley	N/A Electr
	Circuit miles planned for grid hardening of overhead transmission lines	not have any urban areas. The utility's service territory is	not have any urban areas. The utility's service territory is	not have any urban areas. The utility's service territory is	not have any urban areas. The utility's service territory is	not have any urban areas. The utility's service territory is	not have any urban areas. The utility's service territory is	not have any urban areas. The utility's	not have any urban areas. The utility's	not have any urban areas. The utility's	not have any urban areas. The utility's service territory is	not have any urban areas. The utility's service territory is	not h area:
		entirely rural.  N/A - Bear Valley	entirely rural.	entirely rural.	entirely rural.	entirely rural.	entirely rural.  N/A - Bear Valley	en N/A					
	Circuit miles of overhead transmission lines in WUI to harden	Electric Service does not have any urban areas. The utility's	Electric Service does not have any urban areas. The utility's	Electric Service does not have any urban areas. The utility's	Electric Service does not have any urban areas. The utility's	Electric Service does not have any urban areas. The utility's	Electric Service does not have any urban areas. The utility's	Electric Service does not have any urban areas. The utility's	Electric Service does not have any urban areas. The utility's	Electric Service does not have any urban areas. The utility's	Electric Service does not have any urban areas. The utility's	Electric Service does not have any urban areas. The utility's	Electr not h area
		service territory is entirely rural.	service territory is entirely rural.	service territory is entirely rural.	service territory is entirely rural.	service territory is entirely rural.	service territory is entirely rural.	service territory is entirely rural.	service territory is entirely rural.	service territory is entirely rural.	service territory is entirely rural.	service territory is entirely rural.	servi
	Circuit miles of overhead distribution lines to harden	N/A - Bear Valley Electric Service does not have any urban	N/A - Bear Valley Electric Service does not have any urban	N/A - Bear Valley Electric Service does not have any urban	N/A - Bear Valley Electric Service does not have any urban	N/A - Bear Valley Electric Service does not have any urban	N/A - Bear Valley Electric Service does not have any urban	N/A - Bear Valley Electric Service does not have any urban	N/A - Bear Valley Electric Service does not have any urban	N/A - Bear Valley Electric Service does not have any urban	N/A - Bear Valley Electric Service does not have any urban	N/A - Bear Valley Electric Service does not have any urban	N/A Electr not h
	Circus times of overness distribution lines to tisroest	areas. The utility's service territory is entirely rural.	areas. The utility's service territory is entirely rural.	areas. The utility's service territory is entirely rural.	areas. The utility's service territory is entirely rural.	areas. The utility's service territory is entirely rural.	serv er						
		N/A - Bear Valley Electric Service does	N/A - Bear Valley Electric Service does	N/A - Bear Valley Electric Service does	N/A - Bear Valley Electric Service does	N/A - Bear Valley Electric Service does	N/A Elect						
n urban areas	Circuit miles of overhead distribution lines in WUI to harden	not have any urban areas. The utility's service territory is	not have any urban areas. The utility's service territory is	not have any urban areas. The utility's service territory is	not have any urban areas. The utility's service territory is	not have any urban areas. The utility's service territory is	not have any urban areas. The utility's service territory is	areas. The utility's service territory is	areas. The utility's service territory is	areas. The utility's service territory is	areas. The utility's service territory is	not have any urban areas. The utility's service territory is	not h area serv
		entirely rural.  N/A - Bear Valley	N/A - Bear Valley	N/A - Bear Valley	N/A - Bear Valley	N/A - Bear Valley	N/A - Bear Valley	entirely rural.  N/A - Bear Valley	er N/A				
	Circuit miles of overhead transmission lines in WUI to harden	Electric Service does not have any urban areas. The utility's	Electric Service does not have any urban areas. The utility's	not have any urban areas. The utility's	Electric Service does not have any urban areas. The utility's	Electric Service does not have any urban areas. The utility's	Electric Service does not have any urban areas. The utility's	not have any urban areas. The utility's	not have any urban areas. The utility's	not have any urban areas. The utility's	not have any urban areas. The utility's	Electric Service does not have any urban areas. The utility's	not h area
		service territory is entirely rural.	entirely rural.	entirely rural.	entirely rural.	entirely rural.	service territory is entirely rural.	serv					
	Number of substations to harden	N/A - Bear Valley Electric Service does not have any urban	N/A - Bear Valley Electric Service does not have any urban	N/A - Bear Valley Electric Service does not have any urban	N/A - Bear Valley Electric Service does not have any urban	N/A - Bear Valley Electric Service does not have any urban areas. The utility's	N/A - Bear Valley Electric Service does not have any urban	Electric Service does not have any urban	Electric Service does not have any urban	Electric Service does not have any urban	Electric Service does not have any urban	N/A - Bear Valley Electric Service does not have any urban	N/A Electi not h
		areas. The utility's service territory is entirely rural.	areas. The utility's service territory is entirely rural.	areas. The utility's service territory is entirely rural.	areas. The utility's service territory is entirely rural.	areas. The utility's service territory is entirely rural.	serv er						
		N/A - Bear Valley Electric Service does	N/A - Bear Valley Electric Service does	N/A - Bear Valley Electric Service does	N/A - Bear Valley Electric Service does	N/A - Bear Valley Electric Service does	N/A Elect						
	Number of substations in WUI to harden	not have any urban areas. The utility's service territory is entirely rural.	not have any urban areas. The utility's service territory is entirely rural.	not have any urban areas. The utility's service territory is entirely rural.	not have any urban areas. The utility's service territory is entirely rural.	not have any urban areas. The utility's service territory is entirely rural.	not have any urban areas. The utility's service territory is	areas. The utility's service territory is	areas. The utility's service territory is	areas. The utility's service territory is	areas. The utility's service territory is	not have any urban areas. The utility's service territory is entirely rural.	not l area serv
		N/A - Bear Valley	Service of the control of the contro	N/A - Bear Valley	N/A								
	Circuit miles of overhead transmission lines to harden	Electric Service does not have and is not planning to harden any	Electric Service does not have and is not planning to harden are	Electric Service does not have and is not y planning to harden any	Electric Service does not have and is not planning to harden any	Electric Service does not have and is not planning to harden any	Electric Service does not have and is not planning to harden any	not have and is not	not have and is not planning to harden any	not have and is not planning to harden any	not have and is not	Electric Service does not have and is not planning to harden an	Elect not l
		transmission lines. All of the utility's electric lines are below 65 kV.	transmission lines. All of the utility's electric lines are below 65 kV.	transmission lines. All of the utility's electric lines are below 65 kV.	transmission lines. All of the utility's electric lines are below 65 kV.	transmission lines. All of the utility's electric lines are below 65 kV.	transmission lines. All of the utility's electric lines are below 65 kV.		of the utility's electric	of the utility's electric		transmission lines. All of the utility's electric lines are below 65 kV.	
		N/A - Bear Valley Electric Service does					N/A - Bear Valley Electric Service does	N/A Elect					
	Circuit miles of overhead transmission lines in WUI to harden	not have and is not planning to harden any transmission lines. All	not have and is not planning to harden any transmission lines. All	not have and is not y planning to harden any transmission lines. All	not have and is not planning to harden any transmission lines. All	not have and is not planning to harden any transmission lines. All	not have and is not planning to harden any transmission lines. All	not have and is not planning to harden any	not have and is not planning to harden any	not have and is not planning to harden any	not have and is not planning to harden any	not have and is not planning to harden an transmission lines. All	not i y plannii
		of the utility's electric lines are below 65 kV.	of the utility's electric lines are below 65 kV.	of the utility's electric lines are below 65 kV.	of the utility's electric lines are below 65 kV.	of the utility's electric lines are below 65 kV.	of the utility's electric lines are below 65 kV.	of the utility's electric	of the utility's electric	of the utility's electric	of the utility's electric	of the utility's electric lines are below 65 kV.	of the
	Circuit miles of overhead distribution lines to harden	N/A - Bear Valley Electric Service has not planned any overhead	N/A - Bear Valley Electric Service has not planned any overhead	N/A - Bear Valley Electric Service has not planned any overhead	N/A - Bear Valley Electric Service has not planned any overhead	N/A - Bear Valley Electric Service has not planned any overhead	N/A - Bear Valley Electric Service has not planned any overhead					0	
	Circuit mines of overmoad distribution times to national	distribution line hardening in this HFTD in this year	distribution line hardening in this HFTD in this year	distribution line hardening in this HFTD in this year	distribution line hardening in this HFTD in this year	distribution line hardening in this HFTD in this year	distribution line hardening in this HFTD in this year		•	•	2		
n rural areas		N/A - Bear Valley Electric Service has not	Electric Service has not	Electric Service has not	Electric Service has not	Electric Service has not	N/A - Bear Valley Electric Service has no	N/A it Electri					
	Circuit miles of overhead distribution lines in WUI to harden	yet tracked the number of overhead distribution lines in WUI	number of overhead distribution lines in	number of overhead distribution lines in	number of overhead distribution lines in	number of overhead distribution lines in	number of overhead distribution lines in	yet tracked the number of overhead distribution lines in WUI	numb distri				
		N/A - Bear Valley	N/A - Bear Valley Electric Service does	N/A - Bear Valley Electric Service does	N/A - Bear Valley	N/A - Bear Valley Electric Service does	N/A - Bear Valley	N/A - Bear Valley	N/A - Bear Valley	N/A - Bear Valley	N/A - Bear Valley	N/A - Bear Valley	N/A
	Circuit miles of overhead transmission lines in WUI to harden	not have and is not planning to harden any transmission lines. All	not have and is not planning to harden any transmission lines. All	not have and is not y planning to harden any transmission lines. All	not have and is not planning to harden and transmission lines. All	not have and is not planning to harden any transmission lines. All	not have and is not planning to harden any	not have and is not planning to harden any	not have and is not planning to harden any	not have and is not planning to harden any	not have and is not planning to harden any	not have and is not planning to harden an transmission lines. All	not h
		of the utility's electric lines are below 65 kV.	of the utility's electric lines are below 65 kV.	of the utility's electric lines are below 65 kV.	of the utility's electric lines are below 65 kV.	of the utility's electric lines are below 65 kV.	of the utility's electric lines are below 65 kV.	of the utility's electric	of the utility's electric	of the utility's electric	of the utility's electric	of the utility's electric lines are below 65 kV.	of the
	Number of substations to harden	N/A - Bear Valley Electric Service has not planned any	N/A - Bear Valley Electric Service has not planned any	N/A - Bear Valley Electric Service has not planned any	N/A - Bear Valley Electric Service has not planned any	N/A - Bear Valley Electric Service has not planned any	N/A - Bear Valley Electric Service has not planned any						
	Number of substations to naroen	substation hardening in this HFTD in this year	1	1	1								
	Number of substations in WUI to harden	N/A - Bear Valley Electric Service has not yet tracked the	N/A - Bear Valley Electric Service has not yet tracked the	N/A - Bear Valley Electric Service has not yet tracked the	N/A - Bear Valley Electric Service has not yet tracked the	N/A - Bear Valley Electric Service has not yet tracked the	N/A - Bear Valley Electric Service has not	Electric Service has not	Electric Service has not	Electric Service has not	Electric Service has not	N/A - Bear Valley Electric Service has no yet tracked the	N/A et Electri
	Number of substations in worto harden	number of substations in WUI	yet tracked the number of substations in WUI	number of substations	number of substations	number of substations	number of substations	number of substations in WUI	s numbe				
	Circuit miles of overhead transmission lines to harden	N/A - Bear Valley Electric Service does not have any highly	N/A - Bear Valley Electric Service does not have any highly	N/A - Bear Valley Electric Service does not have any highly	N/A - Bear Valley Electric Service does not have any highly	N/A - Bear Valley Electric Service does not have any highly	N/A - Bear Valley Electric Service does not have any highly	Electric Service does	Electric Service does not have any highly	Electric Service does not have any highly	Electric Service does	N/A - Bear Valley Electric Service does not have any highly	N/A Elect
	Circus times of overness of section of times to tendent	rural areas. The utility's service territory is entirely rural.	rural areas. The utility's service territory is entirely rural.	s rural areas. The utility's service territory is entirely rural.	s rural areas. The utility's service territory is entirely rural.	rural areas. The utility's service territory is entirely rural.	rural areas. The utility's service territory is entirely rural.	service territory is	service territory is	service territory is	service territory is	rural areas. The utility' service territory is entirely rural.	's rural a serv er
		N/A - Bear Valley Electric Service does not have any highly	N/A - Bear Valley Electric Service does not have any highly	N/A - Bear Valley Electric Service does not have any highly	N/A - Bear Valley Electric Service does not have any highly	N/A - Bear Valley Electric Service does not have any highly	N/A - Bear Valley Electric Service does not have any highly	Electric Service does	Electric Service does	Electric Service does	Electric Service does	N/A - Bear Valley Electric Service does not have any highly	N/A Elect not I
	Circuit miles of overhead transmission lines in WUI to harden	rural areas. The utility's service territory is entirely rural.	rural areas. The utility's service territory is	rural areas. The utility's service territory is	rural areas. The utility's service territory is	rural areas. The utility's service territory is	rural areas. The utility' service territory is entirely rural.	's rural a serv					
		N/A - Bear Valley Electric Service does not have any highly	N/A - Bear Valley Electric Service does not have any highly	N/A - Bear Valley Electric Service does	N/A - Bear Valley Electric Service does	N/A - Bear Valley Electric Service does not have any highly	N/A - Bear Valley Electric Service does	Electric Service does	Electric Service does	Electric Service does	Electric Service does	N/A - Bear Valley Electric Service does not have any highly	N/A Elect
	Circuit miles of overhead distribution lines to harden	rural areas. The utility's service territory is entirely rural.	rural areas. The utility's service territory is entirely rural.	not have any highly s rural areas. The utility's service territory is entirely rural.	not have any highly rural areas. The utility's service territory is entirely rural.	rural areas. The utility's service territory is entirely rural.	rural areas. The utility's service territory is	rural areas. The utility's service territory is	rural areas. The utility's service territory is	rural areas. The utility's service territory is	rural areas. The utility's service territory is	rural areas. The utility' service territory is entirely rural.	not h 's rural a serv
		N/A - Bear Valley Electric Service does	N/A - Bear Valley Electric Service does	N/A - Bear Valley Electric Service does	N/A - Bear Valley Electric Service does	N/A - Bear Valley Electric Service does	N/A Elect						
highly rural areas	Circuit miles of overhead distribution lines in WUI to harden	not have any highly rural areas. The utility's service territory is	not have any highly rural areas. The utility's service territory is	not have any highly rural areas. The utility's service territory is	not have any highly rural areas. The utility's service territory is	not have any highly rural areas. The utility's service territory is	not have any highly rural areas. The utility's service territory is	rural areas. The utility's	rural areas. The utility's service territory is	rural areas. The utility's	rural areas. The utility's service territory is	not have any highly rural areas. The utility service territory is	not h 's rural a serv
		entirely rural.  N/A - Bear Valley Electric Service does	entirely rural.  N/A - Bear Valley Electric Service does	entirely rural.  N/A - Bear Valley Electric Service does	entirely rural.  N/A - Bear Valley Electric Service does	entirely rural.  N/A - Bear Valley Electric Service does	entirely rural.  N/A - Bear Valley Electric Service does	Electric Service does	N/A - Bear Valley Electric Service does	Electric Service does	N/A - Bear Valley Electric Service does	entirely rural.  N/A - Bear Valley Electric Service does	N/A Elect
	Circuit miles of overhead transmission lines in WUI to harden	not have any highly rural areas. The utility's service territory is	not have any highly rural areas. The utility's service territory is	not have any highly s rural areas. The utility's service territory is	not have any highly rural areas. The utility's service territory is	not have any highly rural areas. The utility's service territory is	not have any highly rural areas. The utility's service territory is	not have any highly rural areas. The utility's service territory is	not have any highly rural areas. The utility's service territory is	not have any highly rural areas. The utility's service territory is	not have any highly rural areas. The utility's service territory is	not have any highly rural areas. The utility' service territory is	not h 's rural a serv
		entirely rural.  N/A - Bear Valley	entirely rural. N/A - Bear Valley	entirely rural.  N/A - Bear Valley Electric Service does	entirely rural. N/A - Bear Valley	entirely rural.  N/A - Bear Valley Electric Service does	entirely rural. N/A - Bear Valley	entirely rural. N/A - Bear Valley	entirely rural. N/A - Bear Valley	entirely rural. N/A - Bear Valley	entirely rural. N/A - Bear Valley	entirely rural.  N/A - Bear Valley Electric Service does	N/J
	Number of substations to harden	Electric Service does not have any highly rural areas. The utility's service territory is	Electric Service does not have any highly rural areas. The utility's service territory is	Electric Service does not have any highly rural areas. The utility's service territory is	Electric Service does not have any highly rural areas. The utility's service territory is	Electric Service does not have any highly rural areas. The utility's service territory is	Electric Service does not have any highly rural areas. The utility's service territory is	not have any highly rural areas. The utility's	not have any highly rural areas. The utility's	not have any highly rural areas. The utility's	not have any highly rural areas. The utility's	not have any highly rural areas. The utility' service territory is	not h 's rural a serv
		service territory is entirely rural. N/A - Bear Valley	entirely rural. N/A - Bear Valley	entirely rural. N/A - Bear Valley	entirely rural. N/A - Bear Valley	entirely rural. N/A - Bear Valley	entirely rural. N/A - Bear Valley	entirely rural. N/A - Bear Valley	entirely rural. N/A - Bear Valley	entirely rural. N/A - Bear Valley	entirely rural. N/A - Bear Valley	entirely rural. N/A - Bear Valley	er N/A
	Number of substations in WUI to harden	Electric Service does not have any highly rural areas. The utility's	Electric Service does not have any highly rural areas. The utility!	Electric Service does not have any highly rural areas. The utility's	Electric Service does not have any highly rural areas. The utility's	Electric Service does not have any highly rural areas. The utility's	Electric Service does not have any highly rural areas. The utility's	not have any highly rural areas. The utility's	not have any highly rural areas. The utility's	not have any highly rural areas. The utility's	not have any highly rural areas. The utility's	Electric Service does not have any highly rural areas. The utility	
		service territory is							ser				

Note: The utility does not have any transmission lines as all of its lines are below 65kV.

BVES does not track which portions of its distribution system and other utility-owned infrastructure or assets are located in WUI-designated areas.

#### Table 18: Key drivers of ignition probability

Innition as	obability drivers	Number of incidents per year (according to 5-year historical average)	Average likelihood of ignition per incident		Ignitions from this di	iver (according to 5-y	ear historical average)	
ignition pri	obability drivers	Number of incidents per year (according to 5-year historical average)	Average likelinood of ignition per incident	Total	In non-HFTD	In HFTD Zone 1	In HFTD Tier 2	In HFTD Tier 3
					N/A - the utility's	N/A - the utility's		
					entire Service	entire Service		
	All types of object contact	13	0%	0	Territory is either	Territory is either	0	0
					HFTD 2 or 3	HFTD 2 or 3		
					N/A - the utility's	N/A - the utility's		
	Animal contact	0.6	0%	0	entire Service	entire Service	0	0
		***		-	Territory is either	Territory is either	-	-
					HFTD 2 or 3	HFTD 2 or 3		
					N/A - the utility's	N/A - the utility's		
Contact from object	Balloon contact				entire Service	entire Service	_	
ontact from object	Balloon contact	0.2	0%	0	Territory is either	Territory is either	0	0
					HFTD 2 or 3	HFTD 2 or 3		
					N/A - the utility's	N/A - the utility's		
					entire Service	entire Service		
	Vegetation contact	12.2	0%	0			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0
					Territory is either	Territory is either		
					HFTD 2 or 3	HFTD 2 or 3		
					N/A - the utility's	N/A - the utility's		
	Vehicle contact	0	0%	0	entire Service	entire Service		0
	Verneie contact	o o	0,4		Territory is either	Territory is either	U	
					HFTD 2 or 3	HETD 2 or 3		
					N/A - the utility's	N/A - the utility's		
					entire Service	entire Service		
	All types	32.2	0%	0	Territory is either	Territory is either	0	0
	Capacitor bank failure	0	0%	0			0	0
		•	0,0					
					HFTD 2 or 3	HFTD 2 or 3		
					N/A - the utility's	N/A - the utility's		
					entire Service	entire Service		
	Conductor failure—all	1.2	MITO 2 or 3	0	0			
							<u>.                                    </u>	
					MFID 2 or 3	MFID 2 or 3		
	Conductor failure—wires down	1.2	0%	0			0	0
		***	0,0					
					N/A - the utility's	N/A - the utility's		
I tomor of opuipment / facility failure	Fuse failure—all			_	entire Service	entire Service	_	
types of equipment / facility failure	Fuse railure—all	13.8	0%	0	Territory is either	Territory is either	· ·	0
					HETD 2 or 3	HETD 2 or 3		
					N/A - the utility's	N/A - the utility's		
					entire Service	entire Service		
	Fuse failure—conventional blown fuse	13.4	0%	0			0	0
				1	Territory is either	Territory is either		
					HFTD 2 or 3	HFTD 2 or 3		
					N/A - the utility's	N/A - the utility's		
	Lightning arrestor failure	0	0%	0	entire Service	entire Service		0
	5 . 5	•	0,0	ı -	Territory is either	Territory is either	v	
				1	HFTD 2 or 3	HFTD 2 or 3		
					N/A - the utility's	N/A - the utility's		
					entire Service	entire Service		
	Switch failure	0	0%	0	Territory is either	Territory is either	0	0
					HFTD 2 or 3	HFTD 2 or 3		
					N/A - the utility's	N/A - the utility's		
	Transformer failure	2.6	0%	0	entire Service	entire Service	0	0
		2.0	0,0	1	Territory is either	Territory is either	,	
					HFTD 2 or 3	HFTD 2 or 3		
·	·				N/A - the utility's	N/A - the utility's		
				1	entire Service	entire Service		
re-to-wire contact / contamination		0.8	0%	0	Territory is either	Territory is either	0	0
				+	HFTD 2 or 3	HFTD 2 or 3		
				1	N/A - the utility's	N/A - the utility's		
her		0.2	0%	0	entire Service	entire Service	0	0
		0.2	076		Territory is either	Territory is either	U	U
		1		1	HFTD 2 or 3	HETD 2 or 3		

Note: The utility's service territory is in either HFTD Tier 2 or Tier 3

## 4.1 The Objectives of the Plan

The objectives of the plan shall, at a minimum, be consistent with the requirements of California Public Utilities Code §8386(a). Describe utility WMP objectives, categorized by each of the following timeframes:

Before the upcoming wildfire season, as defined by the California Department of Forestry and Fire Protection (CAL FIRE),

Before the next annual update,

Within the next 3 years, and

Within the next 10 years.

See BVES 2020 WMP, Sections 4.1 and 4.3 with initiatives detailed in Chapter 5 of the WMP

### 4.2.1 Service territory fire-threat evaluation and ignition risk trends

Discuss fire-threat evaluation of the service territory to determine whether an expanded High Fire Threat District (HFTD) is warranted (i.e., beyond existing Tier 2 and Tier 3 areas). This section shall include a discussion of any fire threat assessment of its service territory performed by the electrical corporation. In the event that the electrical corporation's assessment determines the fire threat rating for any part of its service territory is insufficient (i.e., the actual fire threat is greater than what is indicated in the CPUC Fire Threat Map and High Fire Threat District designations), the corporation shall identify those areas for consideration of HFTD modification, based on the new information or environmental changes. To the extent this identification relies upon a meteorological or climatological study, a thorough explanation and copy of the study shall be included.

BVES has not performed any study in 2019 to determine whether expansion of the HFTD tiers are necessary, though is aware of the need to reevaluate these designations from time to time and will consider this effort in subsequent WMP filings. BVES operates with the inherent risk factor of the service area's mountainous, alpine terrain, which makes up Tier 2 and Tier 3 regions of the HFTD. Field operational practices that include fire-threat conditions/stipulations are considered as part of general business practice. BVES did not meet trigger thresholds to initiate a PSPS event during the 2019 fire season, leading to the understanding that the Commission has suitably mapped the fire threat profile for the service territory at this time.

An immediate activity the utility will pursue before the next wildfire season will be addressing the Wildland Urban Interface (WUI) designations, as the utility has not previously tracked these zones in wildfire mitigation planning. BVES understands that the risk area for the WUI maps atop the Tier 2 and 3 designations from the HFTD. The utility does not have any urban or highly rural areas; the entire service territory is rural.

#### 4.2 Understanding major trends impacting ignition probability and wildfire consequence

Describe how the utility assesses wildfire risk in terms of ignition probability and estimated wildfire consequence, including use of Multi-Attribute Risk Score (MARS) and Multi-Attribute Value Function (MAVF) as in the Safety Model and Assessment Proceeding (S-MAP) and Risk Assessment Mitigation Phase (RAMP). Include description of how the utility distinguishes between these risks and the risks to safety and reliability. List and describe each "known local condition" that the utility monitors per GO 95, Rule 31.1, including how the condition is monitored and evaluated. In addition:

A. Describe how the utility monitors and accounts for the contribution of weather to ignition probability and estimated wildfire consequence in its decision-making, including describing any utility-generated Fire Potential Index or other measure (including input variables, equations, the scale or rating system, an explanation of how uncertainties are accounted for, an explanation of how this index is used to inform operational decisions, and an explanation of how trends in index ratings impact medium-term decisions such as maintenance and longer-term decisions such as capital investments, etc.).

B. Describe how the utility monitors and accounts for the contribution of fuel conditions to ignition probability and estimated wildfire consequence in its decision-making, including describing any proprietary fuel condition index (or other measures tracked), the outputs of said index or other measures, and the methodology used for projecting future fuel conditions. Include discussion of measurements and units for live fuel moisture content, dead fuel moisture content, density of each fuel type, and any other variables tracked. Describe the measures and thresholds the utility uses to determine extreme fuel conditions, including what fuel moisture measurements and threshold values the utility considers "extreme" and its strategy for how fuel conditions inform operational decision-making.

See BVES 2020 WMP, Sections 3.1, 3.2, 3.3, and

Table 19: Macro trends impacting ignition probability and/or wildfire consequence

Rank	Macro trends impacting utility ignited ignition probability and estimated wildfire consequence by year 10	Comments
1	Change in ignition probability and estimated wildfire consequence due to climate change	The utility expects climate change to produce significant increase in ignition probability over the 10-year period. Based on 2017 Climate Change and Health Profile Report San Bernardino County (UC Davis), California Fourth Climate Assessment.
3	Change in ignition probability and estimated wildfire consequence due to relevant invasive species, such as bark beetles	The Big Bear Lake region has previously been affected by bark beetles, notably in the Summer of 2018 as a result of the thenogoing drought in California. While the utility has not experienced any ignition events, increased dead tree density is likely as climate change creates more favorable Summer conditions for bark beetle populations.
2	Change in ignition probability and estimated wildfire consequence due to other drivers of change in fuel density and moisture	The utility's service territory is in a heavily forested alpine environment. Any increase in fuel density and dryness creates a disproportionate increase in ignition probability and/or estimated wildfire consequences.
5	Population changes (including Access and Functional Needs population) that could be impacted by utility ignition	The utility's service territory is entirely in a mountain resort region. BVES does not expect significant population changes within its service territory and does not foresee measurable changes impacting ignition probability and/or wildfire consequence as a result thereof.
6	Population changes in HFTD that could be impacted by utility ignition	The utility's service territory is entirely in a mountain resort region. BVES does not expect significant population changes within its service territory and does not foresee measurable changes impacting ignition probability and/or wildfire consequence as a result thereof.
4	Population changes in WUI that could be impacted by utility ignition	The utility's service territory is entirely in a mountain resort region. BVES does not expect significant population changes within its service territory and does not foresee measurable changes impacting ignition probability and/or wildfire consequence as a result thereof.
7	Utility infrastructure location in HFTD vs non-HFTD	The utility's service territory is entirely in HFTD 2 or HFTD3. As a result, BVES does not foresee any differentiated impacts in ignition probability and/or wildfire consequence due to the location of utilit infrastructure in HFTD vs non-HFTD
8	Utility infrastructure location in urban vs rural vs highly rural areas	The utility's service territory is entirely rural. As a result, BVES does not foresee any differentiated impacts in ignition probability and/or wildfire consequence due to the location of utility infrastrucutre in urban vs rural vs highly rural areas

List and describe any additional macro trends impacting ignition probability and estimated wildfire consequence within utility service territory, including trends within the control of the utility, trends within the utility's ability to influence, and externalities (i.e., trends beyond the utility's control, such as population changes within the utility's territory).

In addition to the comments laid out in Table 19, see BVES 2020 WMP Section 3.2 through subsection 3.2.1.

List and describe all relevant drivers of ignition probability and estimated wildfire consequences and the mitigations that are identified in the Risk Assessment Mitigation Phase (RAMP) and not included in the above, including how these are expected to evolve. Rank these drivers from highest to lowest risk and describe how they are expected to evolve.

The CPUC has not required BVES to conduct a Risk Assessment and Mitigation Phase (RAMP) in prior GRC filings, however through its risk-based decision-making framework, BVES has created a list of risks and a prioritized list of mitigation measures.

BVES 2020 WMP Section 3.2

# 4.3 Change in Ignition Probability Drivers

Based on the implementation of the above wildfire mitigation initiatives, explain how the utility sees its ignition probability drivers evolving over the 3 year term of the WMP. Focus on ignition probability and estimated wildfire consequence reduction by ignition probability driver, detailed risk driver, and include a description of how the utility expects to see incidents evolve over the same period, both in total number (of occurrence of a given incident type, whether resulting in a near miss or in an ignition) and in likelihood of causing an ignition by type. Outline methodology for determining ignition probability from events, including data used to determine likelihood of ignition probability, such as past ignition events, number of near misses, and description of events (including vegetation and equipment condition).

See BVES 2020 WMP, Sections 3.1, 3.2, & 3.3

## 4.4 Directional Vision for Necesity of PSPS

Describe any lessons learned from PSPS since the utility's last WMP submission and expectations for how the utility's PSPS program will evolve over the coming 1, 3, and 10 years. Be specific by including a description of the utility's protocols and thresholds for PSPS implementation. Include a quantitative description of how the circuits and numbers of customers that the utility expects will be impacted by any necessary PSPS events is expected to evolve over time. The description of protocols must be sufficiently detailed and clear to enable a skilled operator to follow the same protocols. When calculating anticipated PSPS, consider recent weather extremes, including peak weather conditions over the past 10 years as well as recent weather years and how the utility's current PSPS protocols would be applied to those years.

BVES did not initiate a PSPS event in 2019, therefore has no direct lessons learned to apply to 2020.

In addition to Table 20 comments, see the following in the BVES 2020 WMP: Subsection 3.2.1.1, Table 3-5, subsection 5.5.1 and Table 5-7

## Table 20: Anticipated characteristics of PSPS use over next 10 years

Rank order 1-9	PSPS characteristic	Significantly increase; increase; no change; decrease; significantly decrease	Comments
N/A - BVES does not anticipate and has not had any PSPS events	Number of customers affected by PSPS events (total)	No change	BVES has not implemented any PSPS does not anticipate the need for PSPS over the next 10 years
N/A - BVES does not anticipate and has not had any PSPS events	Number of customers affected by PSPS events (normalized by fire weather, e.g., Red Flag Warning line mile days)	No change	BVES has not implemented any PSPS does not anticipate the need for PSPS over the next 10 years
	Frequency of PSPS events in number of instances where utility operating protocol requires de-energization of a circuit or portion thereof to reduce ignition probability (total)	No change	BVES has not implemented any PSPS does not anticipate the need for PSPS over the next 10 years
	Frequency of PSPS events in number of instances where utility operating protocol requires de-energization of a circuit or portion thereof to reduce ignition probability (normalized by fire weather, e.g., Red Flag Warning line mile days)	No change	BVES has not implemented any PSPS does not anticipate the need for PSPS over the next 10 years
N/A - BVES does not anticipate and has not had any PSPS events	Scope of PSPS events in circuit-events, measured in number of events multiplied by number of circuits targeted for de-energization (total)	No change	BVES has not implemented any PSPS does not anticipate the need for PSPS over the next 10 years
N/A - BVES does not anticipate and has not had any PSPS events	Scope of PSPS events in circuit-events, measured in number of events multiplied by number of circuits targeted for de-energization (normalized by fire weather, e.g., Red Flag Warning line mile days)	No change	BVES has not implemented any PSPS does not anticipate the need for PSPS over the next 10 years
N/A - BVES does not anticipate and has not had any PSPS events	Duration of PSPS events in customer hours (total)	No change	BVES has not implemented any PSPS does not anticipate the need for PSPS over the next 10 years
N/A - BVES does not anticipate and has not had any PSPS events	Duration of PSPS events in customer hours (normalized by fire weather, e.g., Red Flag Warning line mile days)	No change	BVES has not implemented any PSPS does not anticipate the need for PSPS over the next 10 years
N/A - BVES does not anticipate and has not had any PSPS events	Other	No change	BVES has not implemented any PSPS does not anticipate the need for PSPS over the next 10 years

## 5.1 Wildfire mitigation strategy

Describe organization-wide wildfire mitigation strategy and goals for each of the following time periods:

- 1. Before the upcoming wildfire season, as defined by the California Department of Forestry and Fire Protection (CAL
- 2. Before the next annual update,
- 3. Within the next 3 years, and
- 4. Within the next 10 years.

The description of utility wildfire mitigation strategy shall:

- A. Discuss the utility's approach to determining how to manage wildfire risk (in terms of ignition probability and estimated wildfire consequence) as distinct from managing risks to safety and/or reliability. Describe how this determination is made both for (1) the types of activities needed and (2) the extent of those activities needed to mitigate these two different groups of risks. Describe to what degree the activities needed to manage wildfire risk may be incremental to those needed to address safety and/or reliability
- B. Include a summary of what major investments and implementation of wildfire mitigation initiatives achieved over the past year, any lessons learned, any changed circumstances for the 2020 WMP term (i.e., 2020-2022), and any corresponding adjustment in priorities for the upcoming plan term. Organize summaries of initiatives by the wildfire mitigation categories listed in Section 5.3.
- C. List and describe all challenges associated with limited resources and how these challenges are expected to evolve over the next 3 years.
- D. Outline how the utility expects new technologies and innovations to impact the utility's strategy and implementation approach over the next 3 years, including the utility's program for integrating new technologies into the utility's grid.

See BVES 2020 WMP:

A. Section 3.2, and 3.3.

B. Table 2-2, Section 4.3, and Chapter 5 for

corresponding initiatives.

C. Section 2.1

D. Subsection 5.1.6

# 5.2 Wildfire Mitigation Plan Implementation

Describe the processes and procedures the electrical corporation will use to do all the following:

- A. Monitor and audit the implementation of the plan. Include what is being audited, who conducts the audits, what type of data is being collected, and how the data undergoes quality assurance and quality control.
- B. Identify any deficiencies in the plan or the plan's implementation and correct those deficiencies.
- C. Monitor and audit the effectiveness of inspections, including inspections performed by contractors, carried out under the plan and other applicable statutes and commission rules
- D. For all data that is used to drive wildfire-related decisions, including grid operations, capital allocation, community engagement, and other areas, provide a thorough description of the utility's data architecture and flows. List and describe 1) all dashboards and reports directly or indirectly related to ignition probability and estimated wildfire consequences and reduction, and 2) all available GIS data and products. For each, include metadata and a data dictionary that defines all information about the data. For each, also describe how the utility collects data, including a list of all wildfire-related data elements, where it is stored, how it is accessed, and by whom. Explain processes for QA/QC, cleaning and analyzing, normalizing, and utilizing data to drive internal decisions. Include list of internal data standards and cross-reference for they datasets or map products to which the standards apply.

See BVES 2020 WMP Section 1.2, Chapter 2, and Sections 2.1, 2.2, & 2.4

### 5.3.1 Risk assessment and mapping

## Description of programs to reduce ignition probability and wildfire consequence

For each of the below initiatives, provide a detailed description and approximate timeline of each, whether already implemented or planned, to minimize the risk of its equipment or facilities causing wildfires. Include a description for the utility's programs, the utility's rationale behind each of the elements of this program, the utility's prioritization approach/methodology to determine spending and deployment of human and other resources, how the utility will conduct audits or other quality checks on each program, how the utility plans to demonstrate over time whether

each component is effective and, if not, how the utility plans to evolve each component to ensure effective spend of ratepayer funds.

Include descriptions across each of the following initiatives. Input the following initiative names into a spreadsheet formatted according to the template below and input information for each cell in the row.

- 1. A summarized risk map showing the overall ignition probability and estimated wildfire consequence along electric lines and equipment
- 2. Climate-driven risk map and modelling based on various relevant weather scenarios
- 3. Ignition probability mapping showing the probability of ignition along the electric lines and equipment
- 4. Initiative mapping and estimation of wildfire and PSPS risk-reduction impact
- 5. Match drop simulations showing the potential wildfire consequence of ignitions that occur along the electric lines and equipment
- 6. Weather-driven risk map and modelling based on various relevant weather scenarios
- 7. Other / not listed [only if an initiative cannot feasibly be classified within those listed above]

For each of the above initiatives, describe the utility's current program and provide an explanation of how the utility expects to evolve the utility's program over each of the following time periods:

- 1. Before the upcoming wildfire season
- Before the next annual update.
- 3. Within the next 3 years, and
- 4. Within the next 10 years.

See BVES 2020 WMP Chapter 3 and Sections 4.1, 4.2, 4.3

Initiative activity	Year	Total per-initiative spend	Subtotal A: Capital expenditure	Subtotal B: Operating expenses	Line miles to be treated	Spend/ treated line mile	Ignition probability drivers targeted	Risk reduction	Risk-spend efficiency	Other risk drivers addressed	Existing/ new	Existing: What proceeding has reviewed program	If new: Memorandum account	In / exceeding compliance with regulations	Cite associated rule	Comments
L. A summarized risk map showing the overall	2019 plan 2019 actual	Bear Valley Electric Service has implemented the CPUC Firer Threat Map Adopted January 2018 throughout its service territory. This map shows the CPUC designated fire hazard zone tiers within 8VS's service territory, which quantity specific geography that could be subject to elevated fire nik under hatorically viable fire weather conditions. The utility has also identified seven sections of "art-oit" are well as a condition of a service territory. The map shows the CPUC designated fire hazard zone tiers within 8VS's service territory, which quantity specific geography that could be subject to elevated fire nik under hatorically viable fire weather conditions. The utility has also identified seven sections of "art-oit" are well as a condition of the utility has also identified seven sections of "art-oit" are well as a condition of the utility has also identified seven sections of "art-oit" are well as a condition of the utility has also identified seven sections of "art-oit" are well as a condition of the utility has also identified seven sections of "art-oit" are well as a condition of the utility has also identified seven sections of "art-oit" are well as a condition of the utility has also identified seven sections of "art-oit" are well as a condition of the utility of the u														
nition probability and	2020	The "ar-id" line sections are shown and further outlined in the utility' XMP submission. BVES widther mapping efforts are foundational to determing and executing on priorities amongst the utilities in its mitigation efforts as well as its day-to-day operations. BVES employs tier designations to inform inspection, segetation management, correction informations, and priorities and printing efforts for a variety feet understand the priorities understand the priorities understand the positions.														
stimated wildfire onsequence along	2021	vegetation manager	ment, correction time	frames, and prioritized	hardening efforts. V	/ildfire risk mapping is	foundational to prio	ritizing efforts for a va	ariety of activities und	lertaken throughout t	he business.					
ectric lines and	2022	There are no specifically designated expenses, risk reductions, or any of the other column headings above associated with this initiative. Bear Valley Electric Service is very small, compared to the other IOUs (only 31 square miles in the entire service area) and its initiatives, which are described in detail in this plan, apply														
uipment	2020-2022 plan	generally throughout its mostly homogeneous area.														
	2019 plan														levated fire risk under h	
. Climate-driven risk map	2019 actual	fer weather conditions. The utility has also identified seven sections of "a risk" areas with in its service territory based on the type of distribution facilities (overhead bare conductors, high votage, etc.), tree and vegetation demonly, available for five, and other factors that make certain locations volunteed to widtlifer risk the "1st civil in sections are shown and further coulting in the utility's Wiley business. DEST's widtlere mapping efforts are foundational to determining and executing on priorities it is in indigation efforts, so well as it stay to vegetations. DEST's widtlere mapping efforts are foundational to determining and executing on priorities it is in indigation efforts, as well as it stay to vege operations. DEST's widtlere mapping efforts are foundational to determining and executing on priorities it is in indigation efforts, as well as it stay to vege operations. DEST's ending of the priorities of the prioriti														
	2020 accoun	registation management, correction timeframes, and prioritized hardening efforts. Widther nak mapping is foundational to prioritizing deforts or variety of activities undertaken throughout the business.														
nd modelling based on prious relevant weather	2021	has Yalley Electric Service does not have a proprietary model or methodology for evaluating the potential impact of ignition. The utility's Sobject Matter Expert evaluates the frequency of potential impact categories (reliability, compliance, quality of service, safety and environmental) to														
enarios	2021	Bear Valley Electric Service does not have a proprietary model or methodology for evaluating the potential impact of ignitions. The utility's Subject Matter Expert evaluates the frequency of potential ignition events versus a set of impact categories (reliability, compliance, quality of service, safety and environmental) to develop total fish impact and scores.														
	2022 2020-2022 plan															
	total	There are no specifically designated expenses, risk reductions, or any of the other column headings above associated with this initiative. Bear Valley Electric Service is very small, compared to the other IOUs (only 31 square miles in the entire service area) and its initiatives, which are described in detail in this plan, apply secretally thereboard in the service area area. The service area area of the other IOUs (only 31 square miles in the entire service area) and its initiatives, which are described in detail in this plan, apply secretally the service area.														
	2019 plan	Bear Valley Electric S	Service has implemen	ited the CPUC Fire-Thre	eat Map Adopted Jan	uary 2018 throughout	its service territory.	his map shows the C	PUC-designated fire h	azard zone tiers withli	n BVES' service territo	ry , which quantify spe	cific geography that	could be subject to e	levated fire risk under h	nistorically viable
	2019 actual														certain locations vulner	
Ignition probability apping showing the	2020	The "serial" line sections are shown and further outlined in the utility's WMP submission. BVES windfrom response efforts are foundational to determine and executing on priorities amongst the utilities's risk mitigation efforts as well as its day-to-day operations. BVES employs tier designations to inform inspection, vegetation management, correction information, and priorities the designation is contained in the priorities amongst the utilities's risk mitigation efforts as well as its day-to-day operations. BVES employs tier designations to inform inspection, vegetation management, correction information, and priorities defined the designation of the strategies of the priorities amongst the utilities's risk mitigation efforts as well as its day-to-day operations. BVES employs tier designation to the strategies of the priorities amongst the utilities's risk mitigation efforts as well as its day-to-day operations. BVES employs tier designation to the strategies of the priorities amongst the utilities's risk mitigation efforts as well as its day-to-day operations. BVES employs tier designation and the priorities amongst the utilities's risk mitigation efforts as well as its day-to-day operations. BVES employs tier designation and the priorities amongst the utilities risk mitigation efforts as well as its day-to-day operations. BVES employs the designation of the priorities amongst the utilities of the priorities amongst the utilities of the priorities amongst the utilities and the priorities amongst the utilities are the utilities and the utilities are the utilities and the utilities are t														
robability of ignition	2020															
ong the electric lines and		Box Visig Electric Service does not have a proprietary model or methodology for evaluating the potential impact of ignitions. The utility's Subject Matter Expert evaluates the frequency of potential ignition events versus a set of impact categories (reliability, compliance, quality of service, safety and environmental) to develo total in finemat and scores.														
quipment	2022															
	2020-2022 plan														are described in detail	
	2019 plan															
	2019 actual	servanily throughout its mostly homozeneous area. Bee Valley Exercise Version has in a servanily servanily and the CPUC designated fine hazard zone tiers within BYES' service territory, which quantity specific geography that could be subject to elevated fire risk under historically viable for weather conditions. The utility has also identified seven sections of "at risk" areas within its service territory based on the type of distribution facilities (ownhead bare conductions, high voltage, etc.), tree and segentation density, available day fuel, and other factors that make certain locations vulnerable to wildline risk.														
	2019 actual	The "ar-rist" line sections are shown and further outlined in the utility's WMP submission. 80% wilder mapping efforts are foundational or determing and executing on priorities amongst the utilities's risk militagation efforts, as well as its day-to-day operations. BVES employs tier designations to inform inspection, segestation management, correction interfarens, and priorities. Wildlife risk mapping is foundational to prioritizing efforts for a variety of activities understand throughout the business.														
. Initiative mapping and stimation of wildfire and																
SPS risk-reduction impact	2021	Sear Visible (Electric Service does not have a proprietary model or methodology for evaluating the potential impact of ignitions. The utility's Subject Matter Expert evaluates the frequency of potential ignition events versus a set of impact categories (reliability, compliance, quality of service, safety and environmental) to														
	2022	develop total risk impact and scores.														
	2020-2022 plan total	There are no operationally designated reagonance, risk reductions, or any of the other column headings above associated with this initiative. Bear Valley Electric Service is very small, compared to the other IOUs (only 31 square miles in the entire service area) and its initiatives, which are described in detail in this plan, apply secretarily throughout the time that its most hymogeneous area.														
	2019 plan	generally throughou	ut its mostly homoger	neous area.												
. Match drop simulations	2019 actual	Constitution Classics	·	his time, have a specific												
howing the potential	2019 actual	bear valley Electric s	service does not, at ti	nis time, nave a specino	. willie magadon is	k assessment and maj	ping mitiative rocuse	d on conducting man	cii drop simulacions s	towing the potential s	wildlife consequence	or ignitions that occur	along the utility's ele	ectric lines and equipi	nenc.	
ildfire consequence of	2020	The utility's Subject	Matter Expert evalua	ites the frequency of p	otential ignition even	ts versus a set of impa	act categories (reliabil	ity, compliance, quali	ty of service, safety a	nd environmental) to	develop total risk imp	act and scores.				
mitions that occur along he electric lines and	2021	There are not rescif	fically decimated eva-	anner rick reductions a	or any of the other co	luma headings about	arraciated with thir	nitiation Dear Valley	Electric Service is yes	v rmall compared to	the other IOI is fooly:	11 course miles in the	entire rendre area) a	nd its initiations which	h are described in detai	Il in this plan, an
quipment	2022		at its mostly homoger		or any or the other co	tunin nesungs soote		mounte. Dear vancy	Decire Service is ver	y amun, compared to	incomer loos (only .	a aquare mines in the	service area; a	na ita iniciatives, wine	ii are described iii deta	n ni cita pien, ep
	2020-2022 plan total															
	2019 plan	Bear Valley Electric S	Service has implemen	ted the CPUC Fire-Thre	eat Map Adopted Jan	uary 2018 throughout	its service territory.	his map shows the C	PUC-designated fire h	azard zone tiers withi	n BVES' service territo	ry , which quantify spe	cific geography that	could be subject to e	levated fire risk under h	nistorically viable
	2019 actual														certain locations vulner or designations to inform	
Weather-driven risk	2020 accoun			frames, and prioritized								ANTENO ES ES MEN ES IL	susy to usy operate	ons. Dves employs th	. designations to anoth	п паресион,
ap and modelling based	2020															
n various relevant eather scenarios	2021	Bear Valley Electric S develop total risk im		a proprietary model o	r methodology for ev	aruating the potentia	impact of ignitions.	ne utility's Subject M	atter Expert evaluate	s the frequency of por	tential ignition events	versus a set of impact	categories (reliabilit	y, compliance, quality	of service, safety and e	environmental) t
		-														
	2020-2022 plan total		cally designated expe at its mostly homoger		r any of the other col	umn headings above	associated with this is	nitiative. Bear Valley	Electric Service is very	small, compared to ti	he other IOUs (only 3	1 square miles in the e	ntire service area) an	d its initiatives, which	are described in detail	in this plan, app
	2019 plan	senerally throughou	as no mostry nomoger	mous area.												
	2019 actual															
	2019 actual															
Other / not listed		Bear Valley Electric S	Services does not hav	e any risk assessment a	and mapping initiative	es other than those or	ovided above at this	time.								
	2021	- ,														
	2022															
	2020-2022 plan	+														

## 5.3.2 Situational awareness and forecasting

## Description of programs to reduce ignition probability and wildfire consequence

For each of the below initiatives, provide a detailed description and approximate timeline of each, whether already implemented or planned, to minimize the risk of its equipment or facilities causing wildfires. Include a description of the utility's initiatives, the utility's rationale behind each of the elements of the initiatives, the utility's prioritization approach/methodology to determine spending and deployment of human and other resources, how the utility will conduct audits or other quality checks on each initiative, how the utility plans to demonstrate over time whether each component of the initiatives is effective and, if not, how the utility plans to evolve each component to ensure effective spend of ratepayer funds.

Include descriptions across each of the following initiatives. Input the following initiative names into a spreadsheet formatted according to the template below and input information for each cell in the row.

- 1. Advanced weather monitoring and weather stations
- 2. Continuous monitoring sensors
- 3. Fault indicators for detecting faults on electric lines and equipment
- 4. Forecast of a fire risk index, fire potential index, or similar
- 5. Personnel monitoring areas of electric lines and equipment in elevated fire risk conditions
- 6. Weather forecasting and estimating impacts on electric lines and equipment
- 7. Other / not listed [only if an initiative cannot feasibly be classified within those listed above]

For each of the above initiatives, describe the utility's current program and provide an explanation of how the utility expects to evolve the utility's program over each of the following time periods:

- 1. Before the upcoming wildfire season,
- 2. Before the next annual update,
- 3. Within the next 3 years, and
- 4. Within the next 10 years.

See BVES 2020 WMP Chapter 3, Sections 4.1, 4.2, 4.3, and Section 5.4

Initiative activity	Year	Total per-initiative spend	Subtotal A: Capital expenditure	Subtotal B: Operating expenses	Line miles to be treated	Spend/treated line mile	ignition probability drivers targeted	Risk reduction	Risk-spend efficiency	Other risk drivers addressed	Existing/ new	Existing: What proceeding has reviewed program	If new: Memorandum account	In / exceeding compliance with regulations	Cite associated rule	Comments
Advanced weather monitoring and weather stations	2019 plan 2019 actual 2020 2021 2022 2020-2022 plan total	\$ 244,000.00 \$ 134,200.00 \$ 109,800.00 \$ - \$ - \$ 109,800.00	\$ 244,000.00 \$ 134,200.00 \$ 109,800.00 \$ - \$ - \$ 109,800.00	s . s .	N/A - this is a System Wide Initiative	N/A - this is a System Wide Initiative	Dry conditions, high wind speeds, inclement weather that could increase ignition risk (e.g. lightning)	1,024,621.77	8.40	Wildfire-Significant Loss of Property	Existing	GRC	Memorandum Account and GRC	In compliance	G095	Installs 20 weather stations throughout the BVES service area. Allows BVES to prepare response shead of time and take precaudionary and/or avidance action. Also, allows BVES to validate actual conditions in the field such as before and after FSIS events.
Advanced weather monitoring and weather stations (b)	2019 plan 2019 actual 2020 2021 2022 2020-2022 plan total	\$ - \$ - \$ - \$ 27,000.00 \$ -	\$ - \$ - \$ - \$ 27,000.00 \$ -	\$ - \$ - \$ - \$ -	N/A - this is a System Wide Initiative	N/A - this is a System Wide Initiative	Contact from object, all types of equipment/facility failure, wire-to-wire contact/contamination	N/A - BVES has not yet calculated a risk- spend efficiency for this initiative	N/A - BVES has not yet calculated a risk reduction for this iniative	N/A - no other risk drivers addressed	New	N/A - this is a new initiative	WMP Memorandum Account	Exceeding compliance	G095	Integrate all 20 weather stations with Scada. Est. \$27,000 CapEx, likely to occur in 2021.
Continuous monitoring sensors	2019 olan 2019 actual 2020 2021 2022 2020-2022 plan total	\$ - \$ 250,000.00 \$ 250,000.00 \$ 5 \$ 500,000.00	\$ - \$ 250,000.00 \$ 250,000.00 \$ - \$ 500,000.00	S - S - S - S -	N/A - this is a System Wide Initiative	N/A - this is a System Wide Initiative	Contact from object, all types of equipment/facility failure, wire-to-wire contact/contamination	994,609.51	3.98	Wildfire-Significant Loss of Property	New	N/A - this is a new initiative	WMP Memorandum Account	Exceeding compliance	G095	Installs ALERT Wildfire HD Cameras throughout the service area allowing rapid detection and direction of first responders to any fires.
Fault indicators for detecting faults on electric lines and equipment	2019 plan 2019 actual 2020 2021 2022 2020-2022 plan total	\$ - \$ - \$ - \$ 2,371,200.00	\$ - \$ - \$ - \$ 2,371,200.00		N/A - this is a System Wide Initiative	N/A - this is a System Wide Initiative	Contact from object, all types of equipment/facility failure, wire-to-wire contact/contamination	1,143,068.47	0.48	Wildfire-Significant Loss of Property	New	N/A - this is a new initiative	Cost Recovery TBD	Exceeding compliance	G095	Down Wire Detection Relay Installment Program. Installs fast-acting smart switches and detection relays to detect and de-energias down wires. Planned 2022-2024 (3-year essecution period), \$2,371,200.00 Capitz/year.
Forecast of a fire risk index, fire potential index, or similar	2019 plan 2019 actual 2020 2021 2022 2022 plan total	The utility's Subject	2. 2373.00.01 \$\frac{1}{2}\$ 2373.00.00 \$\frac{1}{2}\$ 2373.00.00.00 \$\frac{1}{2}\$ 2373.00.00 \$\frac{1}{2}\$ 2373.00.00 \$\frac{1}{2}\$ 2373.00.00 \$\frac{1}{2}\$ 2373.00.00 \$\frac{1}{2}\$ 2373.00.00.00 \$\frac{1}{2}\$ 2373.00.00 \$\frac{1}{2}\$ 2373.00.00 \$\frac{1}{2}\$ 2373.00.00 \$\frac{1}{2}\$ 2373.00.00 \$\frac{1}{2}\$ 2373.00.00.00 \$\frac{1}{2}\$ 2373.00.00 \$\frac{1}{2}\$ 2373.00.00 \$\frac{1}{2}\$ 2373.00.00 \$\frac{1}{2}\$ 2373.00.00 \$\frac{1}{2}\$ 2373.00.00.00 \$\frac{1}{2}\$ 2373.00.00 \$\frac{1}{2}\$ 2373.00.00 \$\frac{1}{2}\$ 2373.00.00 \$\frac{1}{2}\$ 2373.00.00 \$\frac{1}{2}\$ 2373.00.00.00 \$\frac{1}{2}\$ 2373.00.00 \$\frac{1}{2}\$ 2373.00.00 \$\frac{1}{2}\$ 2373.00.00 \$\frac{1}{2}\$ 2373.00.00 \$\frac{1}{2}\$ 2373.00.00.00 \$\frac{1}{2}\$ 2373.00.00 \$\frac{1}{2}\$ 2373.00.00 \$\frac{1}{2}\$ 2373.00.00 \$\frac{1}{2}\$ 2373.00.00 \$\frac{1}{2}\$ 2373.00.00.00 \$\frac{1}{2}\$ 2373.00.00 \$\frac{1}{2}\$ 2373.00.00 \$\frac{1}{2}\$ 2373.00.00 \$\frac{1}{2}\$ 2373.00.00 \$\frac{1}{2}\$ 2373.00.00.00 \$\frac{1}{2}\$ 2373.00.00 \$\frac{1}{2}\$ 2373.00.00 \$\frac{1}{2}\$ 2373.00.00 \$\frac{1}{2}\$ 2373.00.00 \$\frac{1}{2}\$ 2373.00.00.00 \$\frac{1}{2}\$ 2373.00.00 \$\fra													
<ol> <li>Personnel monitoring areas of electric lines and equipment in elevated fire risk conditions</li> </ol>	2019 plan 2019 actual 2020 2021 2022 2020-2022 plan total	Bear Valley Electric S	iervice does not have	a specific wildfire mit	tigation situational av	vareness and forecas	iting initiative focused on per	sonnel monitoring a	eas of electric lines a	and equipment in elevated fire	risk conditions in add	fition to the situation:	al awareness and for	acasting initiatives de	scribed in Table 22 as	well as the asset management and inspection initiatives described in Table 24.
<ol> <li>Weather forecasting and estimating impacts or electric lines and equipment</li> </ol>	2019 plan 2019 actual n 2020 2021 2022 2020-2022 plan total	\$ - \$ 70,436.28 \$ 70,436.28 \$ 70,436.28 \$ 211,308.84	\$ - \$ - \$ - \$ -	\$ - \$ 70,436.28 \$ 70,436.28 \$ 70,436.28 \$ 211,308.84	N/A - this is a System Wide Initiative	N/A - this is a System Wide Initiative	Contact from object, all types of equipment/facility failure, wire-to-wire contact/contamination	1,022,629.33	14.52	Contact from object, all types of equipment/facility failure, wire-to-wire contact/contamination	New	N/A - this is a new initiative	WMP Memorandum Account	Exceeding compliance	ESRB-8	Weather Consulting Services. Provides BVES staff service area specific forecasts to better understand possible fire threat weather as well as storm conditions that may affect service. Allows BVES to prepare response ahead of time and take precautionary and for avoidance action. Est. \$45,000 OBM annually.
7. Other / not listed	2019 plan 2019 actual 2020 2021	\$ - \$ - \$ -	\$ - \$ - \$ -	\$ - \$ - \$ -	N/A - this is a System Wide Initiative	N/A - this is a System Wide Initiative	Dry conditions, high wind speeds, inclement weather that could increase ignition risk (e.g. lightning)	1,143,058.47	3.34	Wildfire-Significant Loss of Property.	New	N/A - this is a new initiative	WMP Memorandum Account	Exceeding compliance	ESRB-8	Stuational Awareness Enhancement Project, Installs complete Distribution Management Central Center with the following equipment and applications, that provided full difformation capabilities available to Distribution decision makes relevant to the following functional areas: [1] Energy Resources (2) TRAD Assects [3] SCADA, Ortage Management Series and Girl Other Applications (4) Washter Information (5) HD Camera (6) Media access (Internet, INES Webside Social Media, Local Radio Tyle 41C, Promunications footiment and 68)
	2022 2020-2022 plan total 2019 plan	\$ 342,000.00 \$ 342,000.00 \$ 85,775.61	\$ 342,000.00 \$ 342,000.00 \$ -	\$ - \$ - \$ 85,775.61			agricing									a social menal, occal risido, iv, vict. (1) Communications equipment and (a) Dispatch services. Scheduled for 2022-2024, 3-year execution period, \$342,000.00 CapEx/year.
8. Other / not listed	2019 actual 2020 2021 2022	\$ 85,775.61 \$ 85,775.61 \$ 85,775.61 \$ 85,775.61	\$ - \$ - \$ - \$ -	\$ 85,775.61 \$ 85,775.61 \$ 85,775.61 \$ 85,775.61	N/A - this is a System Wide Initiative	N/A - this is a System Wide Initiative	Contact from object, all types of equipment/facility failure, wire-to-wire contact/contamination	148,458.96	3.2	Wildfire-Significant Loss of Property. Loss of Energy Supplies.	Existing	D 19-08-027	GRC	Exceeding compliance	ESRB-8	GIS-based applications (e.g. Outage Management System) Implementation of GIS-based systems, such as outage management systems and interactive voice response systems, which allow BHSS to locate outages and respond to customers more promptly in the case of a wildfire or related emergency
9. Other/ not listed	2020-2022 plan total 2019 plan 2019 actual 2020 2021 2022 2022 plan total	\$ 257,326.83 \$ \$ \$ 67,860.00 \$ 67,860.00 \$ 67,860.00 \$ 203,580.00	\$ 67,860.00 \$ 67,860.00	s -	N/A - this is a System Wide Initiative	N/A - this is a System Wide Initiative	Contact from Object. All types of equipment/facility failture, wire-wire contact/contamination	148,458.96	2.19	Wildfire-Significant Loss of Property	New	N/A - this is a new initiative	GRC	Exceeding compliance	ESAB-8	Implement illectore APP-Provides First Responders and Internal Damage Assessment Teams tool to quickly document and report T&O facility problems to Dispatch.

#### 5.3.3 Grid design and system hardening

Describe utility approach to the following categories of maintenance of transmission lines, distribution lines, and equipment, respectively:

- Routine maintenance programs and protocols (i.e., covering general maintenance approach and programmatic structure),
   Non-routine maintenance, further delineated into:
   a. Emergency response maintenance/repair, and
   b. Inspection response maintenance/repair.

Discuss proactive replacement programs versus run-to-failure models for each group, including:

- Whether there are specific line elements or equipment that are prioritized for preventive maintenance or replacement,
   How those programs are established,
   What data or information is utilized to make those determinations, and
   What level of subjectivity is implemented in making those determinations

## Description of programs to reduce ignition probability and wildfire consequence

For each of the below initiatives, provide a detailed description and approximate timeline of each, whether already implemented or planned, to minimize the risk of its equipment or facilities causing wildfires. Include a description of the utility's initiatives, the utility's nationale behind each of the elements of the initiatives, the utility's prioritization approach/methodology to determine spending and deployment of human and other resources, how the utility will conduct adults or other quality checks on each initiative, how the utility plans to demonstrate over time whether each component of the initiatives is effective and, if not, how the utility plans to evolve each component to ensure effective spend of ratepayer funds.

Include descriptions across each of the following initiatives. Input the following initiative names into a spreadsheet formatted according to the template below and input information for each cell in the row.

- Capacitor maintenance and replacement program
  Circuit breaker maintenance and installation to de-energize lines upon detecting a fault
- Covered conductor installation
- Covered conductor maintenance
- Covered conductor maintenance Crossarm maintenance, repair, and replacement Distribution pole replacement and reinforcement, including with composite poles Expulsion fuse replacement Grid topology improvements to mitigate or reduce PSPS events Installation of system automation equipment Maintenance, repair, and replacement of connectors, including hotline clamps Mitigation of impact on customers and other residents affected during PSPS event when the properties of the

- 11.
- 12. Other corrective action
- Pole loading infrastructure hardening and replacement program based on pole loading assessment program 13.

- Pole loading infrastructure hardening and replacement program based on pole loading asses: Transformers maintenance and replacement Transmission tower maintenance and replacement Undergrounding of electric lines and/or equipment Updates to grid topology to minimize risk of ignition in HFTDs Other / not listed [only if an initiative cannot feasibly be classified within those listed above]

For each of the above initiatives, describe the utility's current program and provide an explanation of how the utility expects to evolve the utility's program over each of the following time periods:

- Before the upcoming wildfire season.
- Before the next annual update
  Within the next 3 years, and
  Within the next 10 years.

See BVES 2020 WMP Chapter 3, Sections 4.1, 4.2, 4.3, and 5.1

3: Grid design and system has to WSD data request iter	nardening m RVFS-43879-G-152															
Initiative activity	Year	Total per-initiative spend	Subtotal A: Capital expenditure	Subtotal B: Operating expenses	Line miles to be treated	Spend/ treated line mile	Ignition probability drivers targeted	Risk reduction	Risk-spend efficiency	Other risk drivers addressed	Existing/ new	Existing: What proceeding has reviewed program	If new: Memorandum account	In / exceeding compliance with regulations	Cite associated rule	Comments
Capacitor maintenance     and replacement program	2019 olan 2019 actual 2020 2021 2022 2022 2022 olan total	Bear Valley Electric Se Capacitor maintenanc Any enhanced inspect	rvice does not have a sp te and replacement is in tions or accelerated com	secific wildfire mitigat cluded in the compan rection timeframe/rep	ion grid design and sy y's standard inspectic placements are captur	stem hardening initiat n, maintenance, and r ed in Table 24 Asset n	ive focused on capacitor mainte replacement protocols. nanagement and inspections.	mance and replaceme	nt at this time.							
Circuit breaker maintenance and installation to de-energize	2019 plan 2019 actual 2020	Bear Valley Electric Se Circuit breakers are go	rvice does not have a spenerally installed for all i	secific wildfire mitigat distribution circuits to	ion grid design and sy detect fault current a	stem hardening initiat and protect equipmen	ive focused on circuit breaker m t in the event that a fault is dete and replacement protocols. Any	naintenance and repla	cement at this time.	rortion timeframe(real	accements are continued	ed in Table 24 Asset m	neartament and incon-	tions Booksomoots	of covilie transfer of	ircuit breakers as a part of BVES' WMP to support overall
lines upon detecting a fault	2021 2022 2020-2022 plan total 2019 plan	advanced coordinatio	n and detection efforts S 750,000.00	are better captured in	Table 23 Initiative 9.	Installation of system  S 125,000.00	automation equipment.	y enmanced inspection	s or accenerated con	ector cimenamy repu	acements are captur	ed in Table 24 Asset In	magement and inspe	cors. reparements	or specific, cargeted c	ecuit diseases as a part of BVES WMP to support Overall
3. Covered conductor	2019 actual 2020	\$ 750,000.00 \$ 1,821,993.60	\$ 750,000.00 \$ 1,821,993.60	s -	6.00 4.82	\$ 125,000.00 \$ 378,006.97		872,292.38		Wildfire-Significant		N/A - request by	WMP	N/A - this initiative is not associated with specific	N/A - this initiative	Replaces all 28.93 circuit miles of overhead sub- transmission lines (34.5 kV) with covered wire over a 6- year period, 2020-2025. Total CapEx estimated at
installation	2021	\$ 1,821,993.60 \$ 1,821,993.60	\$ 1,821,993.60 \$ 1,821,993.60	s -	4.82 4.82	\$ 378,006.97 \$ 378,006.97	Contact from object.	872,292.38	0.48	Loss of Property	New	approval of 2020 WMP	Memorandum Account	regulations. The program exceeds standard design.	is not associated with a specific rule	\$10,931,962. 2019 Plan figures include \$458,000 for the Covered Conductor Replacement Pilot Program and \$292,000 for the Covered Conductor Wrap Pilot Program.
	2020-2022 plan total 2019 plan 2019 actual	\$ 5,465,980.80	\$ 5,465,980.80	s -	14.46	\$ 378,006.97										
Covered conductor maintenance	2020 2021 2022 2020-2022 plan total	Bear Valley Electric Se	rvice does not have spe	cific wildfire mitigatio	n grid design and syst	em hardening initiativ	es focused on covered conducto	or maintenance. As BV	/ES progresses with i	ts implementation of its	s wildfire mitigation i	initatives, the utility wi	I continue to evaluate	covered conductor n	naintenance initiative	specific to wildfire mitigation.
Crossarm maintenance,	2019 olan 2019 actual 2020	Bear Valley Electric Se	rvice does not have a sp	secific wildfire mitigat	ion grid design and sy	stem hardening initia	tive focused on crossarm mainte	enance, repair, and re	placement at this tin	w.						
repair, and replacement	2021 2022 2020-2022 plan total 2019 plan	Routine crossarm mai	ntenance, repair, and re	placement are includ	led in the company's s	tandard inspection an	d correction programs, with an	accelerated timeline	for correction under	the company's Inspecti	on program improve	ment, as included in Ta	ible 24 Asset manage	ment and inspections.		
<ol> <li>Distribution pole replacement and reinforcement, including with composite poles</li> </ol>	2019 actual 2020 2021 2022	Bear Valley Electric Se poles.	rvice's distribution pole	replacement and rein	nforcement efforts, in	luding with composit	e poles, are encompassed by an	d address in Table 24	Initiative 6. Intrusive	pole inspections. Unde	er this initiative, BVES	5 tests all poles to load	ng standards, GO95 r	equirements, intrusiv	e inspection criteria a	nd age, and then replaces or remediates non-compliant
	2020-2022 plan total 2019 plan 2019 actual	S 2.600.000.00 S 572.000.00	\$ 2.600.000.00 \$ 572.000.00	s .	N/A - this is a	N/A - this is a						N/A , this is an	WMP			
7. Expulsion fuse replacement	2020 2021 2022 2020-2022 olan total	S 4.628.000.00 S - S - S 5.200.000.00	\$ 4.628.000.00 \$ - \$ - \$ 5.200.000.00	S - S - S -	System Wide Initiative	System Wide Initiative	Fuse failure-all.	872,292.38	0.34	Wildfire-Significant Loss of Property	New	N/A - this is an existing initiative	Memorandum Account	Exceeds	GO 95	Replaces all conventional (expulsion) fuses with current limiting (ELF) and electronic fuses (Fuse TripSavers).
8. Grid topology improvements to mitigate	2019 olan 2019 actual 2020		rvice does not have a sp	secific wildfire mitigat	ion grid design and sy	stem hardening initiat	ive focused on grid topology imp	provements to mitiga	te or reduce PSPS ev	ents in addition to thos	e described elsewher	re in Table 23 such as I	nitiatives 16(a)-16(f).			
or reduce PSPS events	2022 2020-2022 olan total 2019 plan	\$ 1,940,844.50	\$ 1,940,844.50													
	2019 pain 2019 actual	\$ 155,267.56	\$ 155,267.56	s -												Install grid automation. Fully instruments and automates BVES grid. Consists of installing a service area wide network operating on a SCADA system, substation
Installation of system automation equipment	2020	\$ 2,536,036.81 \$ 2,536,036.81	\$ 2,536,036.81 \$ 2,536,036.81	s .	N/A - this is a System Wide Initiative	N/A - this is a System Wide Initiative	Contact from object, all types of equipment/facility failure, wire-to-wire contact/contamination	1,148,135.45	0.59	Wildfire-Significant Loss of Property. Loss of Energy Supplies	Existing	D. 19-08-027	GRC	N/A - this initiative is not associated with a specific regulation	N/A - this initiative is not associated with a specific rule	automation, remote fault indicators, remote metering and power sensors and remote switching equipment to enable BVES to significantly improve its capability to
	2022	\$ 2,536,036.81	\$ 2,536,036.81	s .			Consequential			Juppins				reguation		detect and isolate faults rapidly before ever rolling out a crew. 8% complete as of January 2020. Total CapEx of \$7,763,368 over 4-year Execution Period, 2019-2022.
10. Maintenance, repair,	2020-2022 plan total 2019 plan 2019 actual	\$ 7,763,378.00	\$ 7,763,378.00	s -												
and replacement of connectors, including hotline clamps	2020 2021 2022 2020-2022 plan total	Bear Valley Electric Se	rvice does not have a sp	secific wildfire mitigat	ion grid design and sy	stem hardening initiat	ive focused on maintenance, rep	pair, and replacement	of connectors, inclu	ding hotline clamps at t	this time. Replaceme	nt of connectors, when	e applicable, is includ	ed in other programs	such as installation of	covered conductor.
11. Mitigation of impact on customers and other	2019 plan 2019 actual 2020	Bear Valley Electric Se	rvice does not have spe	cific wildfire mitigatio	n grid design and syst	em hardening initiativ	es focused on mitigation of imp									
residents affected during PSPS event	2021 2022 2020-2022 plan total 2019 plan	Both of these program Item 5.	ns are combined as rele	vant grid topology im	provements pertaining	to grid design and sy	stem hardening that reduce PSF	PS events inherently a	lso mitigate the impa		ermore,the utility's a	additional programs or	efforts to mitigate th	impact on customer	s and other residents	affected during a PSPS event are captured in Table 28
12. Other corrective action	2019 olan 2019 actual 2020 2021	S 5.600.000.00 S .	\$ 5.600.000.00 \$ .	S - S -	S 2.82	\$ 1,985,815.60 \$ -	Contact from object. Conductor failure-all.	1,148,135.45	0.22	Wildfire-Significant Loss of Property. Wildfire-Public Safety.	New	N/A - this is a new initiative	WMP Memorandum Account	Exceeds	GO 95	Replaces the 34.5 kV Radford Line (2.82 overhead circuit miles) with covered power lines and poles that are resistant to fire.
13. Pole loading infrastructure hardening	2020-2022 plan total 2019 plan 2019 actual	\$ 5.600.000.00	S 5.600.000.00	š .	2.82	\$ 1,985,815.60			4 4'- Toble 241							
and replacement program based on pole loading assessment program	2020 2021 2022 2020-2022 plan total	remediates non-comp		astructure nardening	and repracement proj	ram based on pole lo	oang assessment program is en	compassed by and ad	dressed in Table 24 I	ntiative 6. Intrusive pol	e inspections. Under	r this initiative, BVES to	sts all poles to loading	standards, GU95 rec	juirements, intrusive:	nspection criteria and age, and then replaces or
14. Transformers maintenance and replacement	2019 plan 2019 actual 2020 2021	Bear Valley Electric Se	rvice does not have a sp	ecific wildfire mitigat	ion grid design and sy	stem hardening initiat	ive focused on transformer main	ntenance and replace	ment. Transformer n	eplacement and mainte	mance is included in	the company's standar	d inspection, mainter	ance, and replaceme	nt protocols	
	2022 2020-2022 plan total 2019 plan															
<ol> <li>Transmission tower maintenance and replacement</li> </ol>	2019 actual 2020 2021 2022	Bear Valley Electric S	ervice does not have a s	pecific wildfire mitiga	tion grid design and s	stem hardening initia	tive focused on transmission to	wer maintenance and	replacement outside	of standard inspection	and correction prog	grams described in Tabl	e 24.			
	2020-2022 plan total 2019 plan 2019 actual	\$ - \$ 732,018.00	\$ - \$ 732,018.00	s -			Contact from object. All types			Wildfire-Significant						
<ol> <li>Undergrounding of electric lines and/or equipment (a)</li> </ol>	2020 2021 2022	\$ 732,018.00 \$ 732,018.00 \$ 732,018.00	\$ 732,018.00 \$ 732,018.00 \$ 732,018.00	s .	N/A - this is a System Wide Initiative	N/A - this is a System Wide Initiative	of equipment/facility failure. Wire-to-wire contact/contamination.	1,146,143.02	1.57	Loss of Property. Wildfire-Public Safety.	Existing	D. 19-08-027	GRC	Exceeding	GO 95	Replaces all tree attachments in the BVES service area with over head or underground lines. Covered in BVES' General Rate Case A. 17-05-004.
	2020-2022 plan total 2019 plan	\$ 2,928,072.00	\$ 2,928,072.00	s -												Safety and Technical Upgrades to Pineknot substation.
16. Undergrounding of electric lines and/or equipment (b)	2019 actual 2020 2021	\$ 2,643,236.10 \$ 293,692.90	\$ 2,643,236.10 \$ 293,692.90 \$	s -	N/A - this iniative does not have a specific line mileage associated with its	N/A - this iniative does not have a specific line mileage associated with its	Contact from object. All types of equipment/facility failure.	1,143,068.47	0.39	Wildfire-Significant Loss of Property.	Existing	D. 19-08-027	GRC	N/A - this initiative is not associated with a specific	N/A - this initiative is not associated with a specific rule	Converts substation from overhead-type to underground and pad-mounted design with deadfront SCADA enabled equipment. Estimated \$2,936,929,00 CAPEX over 1 year
equipment (o)	2022 2020-2022 plan total	\$ 2,936,929.00	\$ -	s -	implementation	implementation								regulation	Will a specific tole	2019-2020. 90% complete as of January 2020. Covered in BVES' General Rate Case A.17-05-004.
16. Undergrounding of	2019 plan 2019 actual 2020	s -	\$ - \$ -	\$ - \$ -	N/A - this iniative does not have a specific line mileage	N/A - this iniative does not have a specific line mileage	Contact from object. All types			Wildfire-Signficant				N/A - this initiative	N/A - this initiative	Safety and Technical Upgrades to Snow Summit Substation. Converts substation from overhead-type to
electric lines and/or equipment (c)	2021	\$ 1,103,830.18 \$ -	\$ 1,103,830.18 \$ -	s - s -	specific line mileage associated with its implementation	associated with its implementation	of equipment/facility failure.	1,143,069.47	1.04	Loss of Property.	New	D. 19-08-027	GRC	is not associated with a specific regulation	is not associated with a specific rule	underground and pad-mounted design with deadfront SCADA enabled equipment.
	2020-2022 plan total 2019 plan 2019 actual	\$ 1,103,830.18 \$ -	\$ 1,103,830.18 \$ -	s -	N/A - this iniative	N/A - this iniative										
<ol> <li>Undergrounding of electric lines and/or equipment (d)</li> </ol>	2020 2021	\$ 1,587,675.00 \$ 1,587,675.00	\$ 1,587,675.00 \$ 1,587,675.00	S -	does not have a specific line mileage associated with its implementation	does not have a specific line mileage associated with its implementation	Contact from object. All types of equipment/facility failure.	1,143,070.47	0.72	Wildfire-Signficant Loss of Property.	Existing	D. 19-08-027	GRC	N/A - this initiative is not associated with a specific regulation	N/A - this initiative is not associated with a specific rule	Safety and Technical Upgrades to Palomino Substation. Converts substation from overhead-type to underground and pad-mounted design with deadfront SCADA enabled equipment.
	2022 2020-2022 plan total 2019 plan	\$ 1,587,675.00 \$ 4,763,025.00 \$ -	\$ 1,587,675.00 \$ 4,763,025.00 \$ -	s - s -	0.00	simplementation										
16. Undergrounding of electric lines and/or	2019 actual 2020	\$	\$ 13,224,000.00	s -	2.89	\$ 4,571,033.53	Contact from object. All types of equipment/facility failure. Wire-to-wire	872,292.38	0.07	Wildfire-Significant Loss of Property.	New	N/A - this is a new initiative	WMP Memorandum	Exceeding	GO 95	Underground Overhead Bare Wire Program - 34.5 kV System. Replaces all overhead sub-transmission bare wire with underground facilities. 10-way execution period
equipment (e)	2021 2022 2020-2022 plan total	\$ 13,224,000.00 \$ 13,224,000.00 \$ 39,672,000.00	\$ 13,224,000.00 \$ 13,224,000.00 \$ 39,672,000.00	s - s -	2.89 2.89 8.68	\$ 4,571,033.53 \$ 4,571,033.53 \$ 4,571,033.53	contact/contamination.	<u>L</u>	<u>L</u>	and the party.		- manufacture	Account			with underground facilities. 10-year execution period (2020-2029), estimated \$13,224,000.00 CapEx/year.
16. Undergrounding of	2019 plan 2019 actual	s -	s -	s -	0.00	s -	Contact from object. All types						Separate			Underground Overhead Bare Wire Program - 4 kV System: Replaces all overhead 4 kV distribution bare wire
electric lines and/or equipment (e)	2020 2021 2022	\$ 39,252,480.00 \$ 39,252,480.00 \$ 39,252,480.00	\$ 39,252,480.00 \$ 39,252,480.00 \$ 39,252,480.00	s - s -	23.51 23.51 23.51	\$ 1,669,323.81 \$ 1,669,323.81 \$ 1,669,323.81	of equipment/facility failure. Wire-to-wire contact/contamination.	872,292.38	0.02	Wildfire-Significant Loss of Property.	New	N/A - this is a new initiative	Application to Commission	Exceeding	GO 95	System. Replaces all overhead 4 kV distribution bare wire with underground facilities. 10-year execution period 2020-2029, estimated \$39,252,480.000 CapEx/year.
	2020-2022 plan total 2019 plan	\$ 117,757,440.00 \$ .	\$ 117,757,440.00 \$ -	s -	70.54 0.00	S 1,669,323.81 S -										
16. Undergrounding of electric lines and/or equipment (f)	2019 actual 2020 2021	s - s -	\$ - \$ -	S - S -	0.00	s - s -	Contact from object. All types of equipment/facility failure. Wire-to-wire contact/contamination.	1,022,629.33	0.13	Wildfire-Significant Loss of Property. Loss of Energy Supplies	New	N/A - this is a new initiative	Separate Application to Commission	Exceeding	GO 95	Underground the UTE line. Transfers SCE Ute Line 18.2 assets to BVES and undergrounds the facilities from Goldhill to BVES Shay and Baldwin Auto Reclosers. Planned for 2023 at \$3.5 million CapEx.
	2022 2020-2022 plan total 2019 plan	s -		s -	0.00	s - s -										
17. Updates to grid topology to minimize risk of ignition in HFTDs	2019 actual 2020 2021															d overall modeling and assessments evolve.  rrough system hardening efforts included throughout
	2022 2020-2022 plan total 2019 plan 2019 actual	S -	s -	s -	0.00	s -										Replaces all 181.97 circuit miles of overhead distribution
18. Other / not listed	2020 2021 2022	\$ 3,513,037.13 \$ 3,513,037.13 \$ 3,513,037.13	\$ 3,513,037.13 \$ 3,513,037.13 \$ 3,513,037.13	s - s -	18.20 18.20 18.20	\$ 193,024.02 \$ 193,024.02 \$ 193,024.02	Contact from object.	872,292.38	0.25	Wildfire-Significant Loss of Property	New	N/A - this is a new initiative	WMP Memorandum Account	Exceeding	GO 95	Repairs at 181.97 circuit mines of overman distribution 4 kV bare wire in High Risk Areas with covered wire over a 10 year period, 2020-2029. Estimated \$35,130,371 total CapEx.
	2020-2022 plan total 2019 plan 2019 actual	\$ 10,539,111.39	\$ 10,539,111.39	ś -	54.60	\$ 193,024.02				N/A - this initiative		Ongoing proceeding under BVES	Cost Recovery TBD - will be addressed in	N/A - this initiative	N/A - this initiative	Bear Valley Solar Energy Project. Constructs 7.9 MW
19. Other / not listed	2020 2021 2022 2020-2022 plan total	S 14.269.000.00 S . S . S 14.269.000.00	\$ 14.269.000.00 \$ . \$ . \$ 14.269.000.00	S - S -	N/A N/A N/A N/A	N/A N/A N/A	Loss of Energy Supplies.	2,658,561.70	0.19	does not address any other risk drivers	New	under BVES Application 19-03- 008	the project application to the commission	is not associated with a specific regulation	is not associated with a specific rule	single axis tilt solar generating facility within BVES service area.
20. Other / not listed	2019 olan 2019 actual 2020				N/A N/A	N/A N/A	Loss of Energy Supplies.	2,638,046.13	0.29	N/A - this initiative does not address	New	N/A - this is a new	Separate Application to	N/A - this initiative is not associated	N/A - this initiative is not associated	Construct Energy Storage Facility within BVES Service Territory, Constructs SMW/15Mwh (3-hour) Lithium-Ion
	2021 2022 2020-2022 plan total 2019 plan	\$ 4,575,675.00 \$ 4,575,675.00 \$ 9,151,350.00	\$ 4,575,675.00 \$ 4,575,675.00 \$ 9,151,350.00	S - S -			- App Company			any other risk drivers	- '	initiative	Commission.	with a specific regulation	with a specific rule	NMC BESS utility grade battery connected to the Bear Valley Solar Energy Project. Costs are estimates.  Critical infrastructure PSPS Renewable Avoidance
21. Other / not listed	2019 actual 2020 2021	S 684.000.00 S 684.000.00	S 684.000.00 S 684.000.00	S - S -	N/A	N/A	Loss of Energy Supplies.	346,994.67	0.51	N/A - this initiative does not address any other risk drivers	New	N/A - this is a new initiative	Cost Recovery TBD	N/A - this initiative is not associated with a specific regulation	N/A - this initiative is not associated with a specific rule	Package. Installs utility owned (or partially owned/solar+battery sets at critical infrastructure. 5-year execution period, 2020-2025, estimated \$684,000.00
	2022 2020-2022 plan total	S 684.000.00 S 2.052.000.00	\$ 684.000.00 \$ 2.052.000.00	s .	1					OFFWEES				regulation		CapEx/year.

	2019 plan															
	2019 actual												WMP	N/A - this initiative	N/A - this initiative	Hardening of overhead facilities along evacuation routes
22. Other / not listed	2020	S -	٠ .	S -	N/A	N/A	Wildfire-Public Safety.	1.022.629.33	0.6	Wildfire-Significant	New	N/A - this is a new	Memorandum	is not associated	is not associated	to prevent facilities from falling into evacuation routes
22. Other / Hot saled	2021	S 1.710.000.00	S 1.710.000.00	S -	10/10	N/A	Witchie-Fabic Salety.	2,022,023.33	0.0	Loss of Property	· · · · · · · · · · · · · · · · · · ·	initiative	Account	with a specific	with a specific rule	during a wildfire. Estimated \$1,710,000 CAPEX in each
	2022	S 1.710.000.00	S 1.710.000.00	S -									PECOUIN	regulation	with a specific rule	year 2021-2025. Pilot program cost \$200,000.
	2020-2022 plan total	\$ 3,420,000,00	\$ 3.420.000.00	S -												
	2019 olan															
	2019 actual									N/A - this initiative				N/A - this initiative	N/A - this initiative	BVPP Reliability Upgrades. Upgrades power plant
23. Other / not listed	2020	\$ 925,484,50	S 925,484,50	s .	N/A	N/A	Loss of Energy Supplies.	2.602.297.79	2.81	does not address	New	D. 19-08-027	GRC	is not associated	is not associated	electronic controls, emissions monitoring systems.
23. Other / Hot saled	2021	\$ 925,484,50	\$ 925,484,50	s .	14/15	N/A	coss or cinergy suppries.	2,002,237.73	2.02	any other risk	· · · · · · · · · · · · · · · · · · ·	D. 13-00-017	GIIC.	with a specific	with a specific rule	catalist reliability, and engine performance.
	2022	s -	s -	s .						drivers				regulation	with a specific rule	catality reliability, and engine performance.
	2020-2022 plan total	\$ 1.850,969.00	\$ 1.850.969.00	s .												
	2019 plan															Alternative Tehonologies (Down Wire Detection Relay
	2019 actual						Contact from object. All types							N/A - this initiative	M/A - this indication	Installment Program, Rapid-Earth Fault Current Limiter,
24 000 ( 5-44	2020	s -		s -	N/A	N/A	of equipment/facility failure.	1.143.068.47	0.48	Wildfire-Significant	New	N/A - this is a new	Cost Recovery TBD		is not associated	Install On-line Diagnostic Technology Insertion, etc.).
24. Other / not listed 2020 2021	2021	s -		s -	N/A	N/A	Wire-to-wire	1,143,000.47	0.46	Loss of Property	New	initiative	COST RECOVERY I BD		with a specific rule	Estimated S7.113.600 CapEx over 3-year execution
	2022	s -		s -			contact/contamination.							regulation	with a specific rule	period 2023-2025.
	2020-2022 plan total			٠.												period 2023-2025.

#### 5.3.4

Explain the rationale for any utility ignition probability-specific inspections (e.g., "enhanced inspections") within the HFTD as deemed necessary over and above the standard inspections. This shall include information about how (i.e., criteria, protocols, etc.) the electrical corporation determines additional ins ections are necessary.

Describe the utility's maintenance protocols relating to maintenance of any electric lines or equipment that could, directly or indirectly, relate to wildfire ignition. Include in the description the threshold by which the utility makes decisions of whether to (1) repair, or (2) replace electric lines and equipment. Describe all electric lines and equipment that the utility "runs-to-failure", those that the utility maintains on a risk-based maintenance plan, and those that are managed by other approaches; describe each approach. Explain the maintenance program that the utility follows and rationale for all lines and equipment.

## Description of programs to reduce ignition probability and wildfire consequence

For each of the below initiatives, provide a detailed description and approximate timeline of each, whether already implemented or planned, to minimize the risk of its equipment or facilities causing wildfires. Include a description for the utility's programs, the utility's rationale behind each of the elements of this program, the utility's prioritization approach/methodology to determine spending and deployment of human and other resources, how the utility will conduct adults or other quality checks on each program, how the utility plans to demonstrate over time whether each component is effective and, if not, how the utility plans to evolve each component to ensure effective spend of ratepayer funds.

Include descriptions across each of the following initiatives. Input the following initiative names into a spreadsheet formatted according to the template below and input information for each cell in the row.

- Detailed inspections of distribution electric lines and equipment
   Detailed inspections of transmission electric lines and equipment
- Improvement of inspections
- 4. Infrared inspections of distribution electric lines and equipment

- 4. Infrared inspections of distribution electric lines and equipment
  5. Infrared inspections of transmission electric lines and equipment
  6. Intrusive pole inspections of
  6. Intrusive pole inspections
  7. IDAR inspections of distribution electric lines and equipment
  8. IDAR inspections of transmission electric lines and equipment
  9. Other discretionary inspection of distribution electric lines and equipment, beyond inspections mandated by rules and regulations
  10. Other discretionary inspection of transmission electric lines and equipment, beyond inspections mandated by rules and regulations
- 10. Order duscatedomy inspection of anismission rectin mine and 11. Patrol inspections of distribution electric lines and equipment 12. Patrol inspections of transmission electric lines and equipment 13. Pole loading assessment program to determine safety factor 14. Quality assurance / quality control of inspections 15. Substation inspections

- 16. Other / not listed (only if an initiative cannot feasibly be classified within those listed above)

For each of the above initiatives, describe the utility's current program and provide an explanation of how the utility expects to evolve the utility's program over each of the following time periods:

- Before the upcoming wildfire season, Before the next annual update, Within the next 3 years, and Within the next 10 years.

See BVES 2020 WMP Chapter 3, Sections 4.1, 4.2, 4.3, and Subsection

Initiative activity	Year	Total per-initiative spend	Subtotal A: Capital expenditure	Subtotal B: Operating expenses	Line miles to be treated	Spend/ treated line mile	Ignition probability drivers targeted	Risk reduction	Risk-spend efficiency	Other risk drivers addressed	Existing/ new	Existing: What proceeding has reviewed program	If new: Memorandum account	In / exceeding compliance with regulations	Cite associated rule	Comments
Detailed inspections of stribution electric lines and	2019 plan 2019 actual 2020	Bear Valley Electric S	iervice has not specific	d a wildfire mitigatio	n asset management a	nd inspections initiati	ve for detailed inspections of	distribution lines and	equipment. The utility	/'s distribution inspect	ion initiatives are bes	t captured in Table 24	Item 11. Patrol inspec	tions of distribution li	nes and equipment	
uipment	2021 2022 2020-2022 plan total															
Detailed inspections of	2019 plan 2019 actual															
retailed inspections of rsmission electric lines and	2020	Bear Valley Electric:	Service does not have	any transmission line	s or equipment as all t	ne utility's lines are be	Now 65kV.									
ipment	2021															
	2020-2022 plan total															1
	2019 olan 2019 actual	N/A - Elements	N/A - Elements	N/A - Elements	N/A - Elements	N/A - Elements	All types of equipment	N/A - Elements	N/A - Elements	N/A - Elements			N/A - Elements			Improvements of Rear Valley Florts
mprovement of inspections	2020	already captured in other relevant	already captured in other relevant	already captured in other relevant	already captured in other relevant	already captured in other relevant	failure;	already captured in other relevant	already captured in other relevant	already captured in other relevant	New in 2019	CA GO 95 & 165	already captured in other relevant	In compliance with Regulation	GO 95 & 165	Service's inspections have already be
	2022	programs	programs	programs	programs	programs	Contact from object	programs	programs	programs			programs			captured in other initiatives
	2020-2022 plan total 2019 plan	S 125.220.05	٠.	S 125.220.05	70.27	S 1.781.98										Contract Exacter Services, Conduct
infrared inspections of	2019 actual	\$ 125,220.05	\$ .	\$ 125.220.05	70.27	\$ 1.781.98	Contact from object, all types of equipment/facility						N/A : this is an			survey of BVES overhead system on :
tribution electric lines and	2020	\$ 125,220.05 \$ 125,220.05	s .	\$ 125,220.05 \$ 125,220.05	70.27 70.27	\$ 1,781.98 \$ 1,781.98	failure, wire-to-wire	151,260.94	1.21	Wildfire-Significant Loss of Property	Existing	GRC	existing initiative	Exceeding	GO-95	year cycle using infrared, ultrasonic a
uipment	2022	\$ 125,220.05	S -	\$ 125,220.05	70.27	\$ 1.781.98	contact/contamination									EMI sensors. Approximately 1/3 of C system surveyed each year.
	2020-2022 plan total 2019 plan	\$ 375,660.15		\$ 375,660.15	210.81	\$ 1,781.98										-,,,
nfrared inspections of	2019 actual															
nsmission electric lines and uioment	2020	Bear Valley Electric S	iervice does not have a	any transmission lines	or equipment as all th	e utility's lines are be	low 65kV.									
uipment	2022															
	2020-2022 plan total 2019 plan	\$ 2,444,130,60	S 2.444.130.60	s .				1	1			1				Test all poles to loading standards,
	2019 actual	\$ 2,444,130.60	\$ 2,444,130.60	\$ .	N/A - this is a	N/A - this is a	All types of equipment /facility failture			Wildfire-Significant				In compliance with		G095 requirements, intrusive
Intrusive pole inspections	2020	\$ 2.444.130.60 \$ 2,444,130.60	\$ 2,444,130.60 \$ 2,444,130.60	\$ .	System Wide Initiative	System Wide Initiative	wire-wire	872,292.38	0.36	Loss of Property	Existing	D. 19-08-027	GRC	Regulation	GO-95	inspection criteria and age and then
	2022	\$ 2,444,130.60		\$ .	Initiative	Initiative	contact/contamination									replaces or remediates non-compliar poles.
	2020-2022 plan total 2019 plan	\$ 7.332.391.80 \$ 220,000.00	\$ .	\$ 220,000.00	210.81	\$ 1,043.59										
LiDAR inspections of	2019 actual 2020	\$ 220,000.00 \$ 375,660.14		\$ 220.000.00 \$ 375.660.14	210.81	\$ 1,043.59	Contact from object, all types of equipment/facility			Wildfire-Significant			WMP Memorandum			Conduct LIDAR surveys of BVES
stribution electric lines and	2021	\$ 375,660.14	\$ .	\$ 375,660.14	210.81	\$ 1,781.98	failure, wire-to-wire	1,145,870.45	3.05	Loss of Property	New	A - this is a new initia	Account	Exceeding	GO-165	overhead system on a semi-annual basis.
forbuseur	2022 2020-2022 plan total	\$ 375,660.14 \$ 1.126,980.42	s .	\$ 375,660.14 \$ 1,126,980,42	210.81 632.43	\$ 1,781.98 \$ 1,781.98	contact/contamination									Data Is.
	2019 plan	3 1,110,300,41		3 1,120,980.42	632.43	3 1,701.50										
LiDAR inspections of	2019 actual 2020															
ansmission electric lines and quipment	2021	Bear Valley Electric:	Service does not have	any transmission line	s or equipment as all t	ne utility's lines are be	How 65kV.									
quiprintint	2022 2020-2022 plan total															
Other discretionary	2019 plan															
spection of distribution lectric lines and equipment.	2019 actual 2020															
ectric lines and equipment, eyond inspections mandated	2021	Bear Valley Electric S	ervice does not have a	iny wildfire mitigation	n asset management a	nd inspection initiativ	es focused on other discretion	nary inspections of dis	tribution electric lines	and equipment beyon	id inspections manda	ted by rules and regul	ations at this time tha	t nave not been captu	red in other initiative:	s.
y rules and regulations	2022 2020-2022 plan total															
0. Other discretionary	2019 plan 2019 actual															
spection of transmission lectric lines and equipment,	2020	Bear Valley Electric	Service does not have	any transmission line	s or equipment as all t	ne utility's lines are be	Now 65KV									
eyond inspections mandated	2021															
		-														
y rules and regulations	2020-2022 plan total															
,	2020-2022 plan total 2019 plan	\$	\$ -	s -	0.00	\$ .										
Patrol inspections of	2020-2022 plan total 2019 plan 2019 actual	\$ .	\$ .	\$ -	0.00	\$ .	Contact from object, all			N/A - all risk drivers have been captured		WA #1010				
Patrol inspections of listribution electric lines and	2020-2022 plan total 2019 plan 2019 actual 2020	\$ . \$ . \$ 140,872.55 \$ 140,872.55		\$ . \$ . \$ 140,872.55	0.00 210.81	\$ . \$ . \$ . \$ . \$ .		1,024,621.77	7.27	have been captured in the Ignition	New	N/A - this is a new initiative	WMP Memorandum Account.	Exceeding	GO-165	
Patrol inspections of istribution electric lines and	2020-2022 plan total 2019 plan 2019 actual	\$ . \$ . \$ 140,872.55 \$ 140,872.55 \$ 140,872.55		\$ \$ 140,872.55 \$ 140,872.55 \$ 140,872.55	0.00		Contact from object, all types of equipment/facility	1,024,621.77	7.27	have been captured in the Ignition probability drivers	New			Exceeding	GO-165	overhead facilities by 3rd party. This i
Patrol inspections of	2020-2022 plan total 2019 plan 2019 actual 2020 2021 2021 2022 2020-2022 plan total	\$ 140,872.55		\$ 140,872.55	0.00 210.81 210.81	\$ 668.24	Contact from object, all types of equipment/facility failure, wire-to-wire	1,024,621.77	7.27	have been captured in the Ignition	New			Exceeding	GO-165	overhead facilities by 3rd party. This i in addition to BVES GO-165 annual
Patrol inspections of istribution electric lines and quipment	2020-2022 plan total 2019 plan 2019 actual 2020 2021 2021 2022 2022-2022 plan total 2019 plan	\$ 140,872.55 \$ 140,872.55		\$ 140,872.55 \$ 140,872.55	210.81 210.81 210.81 210.81	\$ 668.24 \$ 668.24	Contact from object, all types of equipment/facility failure, wire-to-wire	1,024,621.77	7.27	have been captured in the Ignition probability drivers	New			Exceeding	GO-165	overhead facilities by 3rd party. This i in addition to BVES GO-165 annual
Patrol inspections of istribution electric lines and	2020-2022 plan total 2019 plan 2019 actual 2020 2021 2021 2022 2022 2020-2022 plan total 2019 olan 2019 actual 2019 actual	\$ 140,872.55 \$ 140,872.55 \$ 422,617.65		\$ 140,872.55 \$ 140,872.55 \$ 422,617.65	0.00 210.81 210.81 210.81 \$ 632.43	\$ 668.24 \$ 668.24 \$ 668.24	Contact from object, all types of equipment/facility failure, where-to-wire contact/contamination	1,024,621.77	7.27	have been captured in the Ignition probability drivers	New			Exceeding	GO-165	overhead facilities by 3rd party. This i in addition to BVES GO-165 annual
Patrol inspections of istribution electric lines and quipment      Patrol inspections of Capacitans	2020-2022 plan total 2019 plan 2019 actual 2020 2021 2022 2020-2022 plan total 2019 plan 2019 plan 2019 plan 2019 plan 2019 plan 2019 plan	\$ 140,872.55 \$ 140,872.55 \$ 422,617.65	\$ . \$ .	\$ 140,872.55 \$ 140,872.55 \$ 422,617.65	0.00 210.81 210.81 210.81 \$ 632.43	\$ 668.24 \$ 668.24 \$ 668.24	Contact from object, all types of equipment/facility failure, where-to-wire contact/contamination	1,024,621.77	7.27	have been captured in the Ignition probability drivers	New			Exceeding	60-165	overhead facilities by 3rd party. This i in addition to BVES GO-165 annual
1. Patrol inspections of istribution electric lines and quipment 2. Patrol inspections of answirsten inspections of answirsten electric lines and	2003-022 plan total 2019 plan 2019 actual 2020 2021 2021 2022 2020-2022 plan total 2019 actual 2019 actual 2019 actual 2020 2021 2020 2020 2021 2021 2022 2021 2022 2022 2022 plan total	\$ 140,872.55 \$ 140,872.55 \$ 422,617.65	\$ . \$ .	\$ 140,872.55 \$ 140,872.55 \$ 422,617.65	0.00 210.81 210.81 210.81 \$ 632.43	\$ 668.24 \$ 668.24 \$ 668.24	Contact from object, all types of equipment/facility failure, where-to-wire contact/contamination	1,024,621.77	7.27	have been captured in the Ignition probability drivers	New			Exceeding	60-165	overhead facilities by 3rd party. This i in addition to BVES GO-165 annual
Patrol inspections of stribution electric lines and guipment      Patrol inspections of animals and guipment      Patrol inspections of animission electric lines and guipment	2020-2022 plan total 2019 plan 2019 actual 2020 2021 2021 2020 2021 2020-2022 plan total 2019 skin	\$ 140,872.55 \$ 140,872.55 \$ 422,617.65	\$ . \$ .	\$ 140,872.55 \$ 140,872.55 \$ 422,617.65	0.00 210.81 210.81 210.81 \$ 632.43	\$ 668.24 \$ 668.24 \$ 668.24	Contact from object, all types of equipment/facility failure, where-to-wire contact/contamination	1,024,621.77	7.27	have been captured in the Ignition probability drivers	New			Exceeding	60-165	overhead facilities by 3rd party. This i in addition to BVES GO-165 annual
1. Patrol inspections of istribution electric lines and guipment  2. Patrol inspections of animission electric lines and guipment  3. Pole loading assessment rogram to determine safety	2003 plan total 2019 plan 2019 plan 2019 plan 2019 schuol 2020 2020 2020 2020 2020 2020 2020 20	\$ 140,872.55 \$ 140,872.55 \$ 422,617.65 Bear Valley Electric:	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 140,872.55 \$ 140,872.55 \$ 422,617.65 any transmission line	0.00 210.81 210.81 210.81 \$ 632.43 s or equipment as all t	\$ 668.24 \$ 668.24 \$ 668.24 ne utility's lines are be	Contact from object, all types of equipment/facility failure, where-to-wire contact/contamination			have been captured in the Ignition probability drivers targeted				Exceeding	60-165	overhead facilities by 3rd party. This in addition to BVES GO-165 annual
I. Patrol inspections of stribution electric lines and julpment  2. Patrol inspections of anximission electric lines and julpment  3. Pole loading assessment rogram to determine safety	2003-2022 plan total 2019 plan 2019 actual 2020 2021 2021 2022 2022 2022 2022 202	\$ 140,872.55 \$ 140,872.55 \$ 422,617.65 Bear Valley Electric:	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 140,872.55 \$ 140,872.55 \$ 422,617.65 any transmission line	0.00 210.81 210.81 210.81 \$ 632.43 s or equipment as all t	\$ 668.24 \$ 668.24 \$ 668.24 ne utility's lines are be	Contact from object, all types of equipment/facility failure, wire-to-wire contact/contamination			have been captured in the Ignition probability drivers targeted				Exceeding	GO-165	overhead facilities by 3rd party. This in addition to BVES GO-165 annual
1. Patrol inspections of istribution electric lines and guipment  2. Patrol inspections of animission electric lines and guipment  3. Pole loading assessment rogram to determine safety	3003-0202 plan total 2019 plan 2019 plan 2019 plan 2019 plan 2020 2020 2021 2021 2022 2020-2022 plan total 2019 detual 2021 2021 2021 2021 2022 2022 plan total 2022 2020-2022 plan total 2031 2031 2031 2031 2031 2031 2031 2031	\$ 140,872.55 \$ 140,872.55 \$ 422,617.65 Bear Valley Electric:	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 140,877.55 \$ 140,877.55 \$ 422,617.65 any transmission line ation asset managem	0.00 210.81 210.81 210.81 5 632.43 s or equipment as all t	\$ 668.24 \$ 668.24 \$ 668.24 \$ 668.24 ne utility's lines are be	Contact from object, all types of equipment/facility failure, wire-to-wire contact/contamination	y factor is fully capture	id in Table 24 Initiative	have been captured in the lightling in the lightling probability drivers targeted		Initiative				overhead facilities by 3rd party. This in addition to BVES GO-165 annual
Ratrol Inspections of distribution electric lines and distribution electric lines and quipinenent      Patrol Inspections of anomazione electric lines and electric lines are electric lines and electric lines are electric lines are electric lines.	2009-2012 plan total 2019 plan 2019 plan 2019 plan 2019 plan 2019 actual 2020 2021 2021 2022 2021 2020 2020 plan total 2019 actual	\$ 140,872.55 \$ 140,872.55 \$ 422,617.65 Bear Valley Electric: Bear Valley Electric:	\$ - \$ - \$ Service does not have	\$ 140,872.55 \$ 140,872.55 \$ 422,617.65 any transmission line ation asset managem N/A - Elements	0.00 210.81 210.81 210.81 5 632.43 s or equipment as all t	\$ 668.24 \$ 668.24 \$ 668.24 ne utility's lines are be	Contact from object, all types of equipment/facility failure, wire-to-wire contact/contamination	y factor is fully capture  N/A - Elements	nd in Table 24 Initiative  N/A - Elements	have been captured in the Ignition probability drivers targeted targeted 6. Intrusive pole insp.  N/A - Elements		Initiative  N/A - Elements	Account.	N/A - Elements	N/A - Elements	overhead facilities by 3rd party. This in addition to BVES GO-165 annual
L. Patrol Impections of distribution electric lines and judgment.  2. Patrol Impections of anamission electric lines and judgment.  3. Pole loading assissment regram to determine safety ctor.  4. Quality assurance / quality	2009-2012 plan total 2019 plan 2019 plan 2019 plan 2019 plan 2019 plan 2010 plan 2010 2020 2021 2021 2020 2022 plan total 2039 plan 2039	\$ 140,872.55 \$ 140,872.55 \$ 422,617.65 Bear Valley Electric:	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 140,877.55 \$ 140,877.55 \$ 422,617.65 any transmission line ation asset managem	0.00 210.81 210.81 210.81 5 632.43 s or equipment as all t	\$ 668.24 \$ 668.24 \$ 668.24 \$ 668.24 ne utility's lines are be	Contact from object, all types of equipment/facility failure, wire-to-wire contact/contamination	y factor is fully capture	id in Table 24 Initiative	have been captured in the lightling in the lightling probability drivers targeted		Initiative	Account.			ovehead facilities by Juli pary. This is addition to Bird Scott San small ground pasted.  General listitative and best practice.  General listitative and best practice gained to and accounted for interest
L. Patrol Impections of distribution electric lines and judgment.  2. Patrol Impections of anamission electric lines and judgment.  3. Pole loading assissment regram to determine safety ctor.  4. Quality assurance / quality	2009-2012 plan total 2019 plan   2019 pl	\$ 140,872.55 \$ 140,872.55 \$ 422,617.65  Bear Valley Electric:  Bear Valley Electric:	\$ . \$ . \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 140,872.55 \$ 140,872.55 \$ 422,617.65 any transmission line ation asset managem	0.00 210.81 210.81 210.81 5 632.43  s or equipment as all t ent and inspections pa	\$ 668.24 \$ 668.24 \$ 668.24 the utility's lines are be utility lines are be utility's lines are be utility lines are be utility's lines are be utility lines are be utility's lines are be utility lines are be utility.	Contact from object, all types of equipment/fact from the following from the factor of	y factor is fully capture  N/A - Elements already captured in	nd in Table 24 Initiative  N/A - Elements already captured in	have been captured in the lightlon probability drivers targeted  a 6. Intrusive pole insp.  N/A - Elements already captured in	ections.	N/A - Elements	Account.  N/A - Elements already captured in	N/A - Elements already captured in	N/A - Elements already captured in	ovehead facilities by Jird party. This is addition to Bird School San amal ground particl.  General inititative and best practices.
Patrol inspection of distribution electric lines and quipment      Patrol inspection of an amount of the patrol inspection of an amount of a patrol inspection of an amount of the patrol inspection of an amount of the patrol inspection of an amount of the patrol inspection of a patrol inspection of a patrol inspection of a patrol inspection of the patrol inspection	2000-2012 plan total 2009 plan 2019	\$ 140,872.55 \$ 140,872.55 \$ 422,617.65 Bear Valley Electric:  Bear Valley Electric:  N/A - Elements already captured in other relevant	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 140,872.55 \$ 140,872.55 \$ 422,617.65 any transmission line ation asset managem N/A - Elements already captured in other relevant	0.00 210.81 210.81 210.81 5 632.43  s or equipment as all tent and inspections print pri	\$ 668.24 \$ 668.24 \$ 668.24 se utility's lines are be le loading assessmen  N/A - Elements already captured in other relevant	Contact from object, all types of equipment/fact from the first fr	y factor is fully capture  N/A - Elements already captured in other relevant	nd in Table 24 Initiative  N/A - Elements already captured in other relevant	have been captured in the Ignition probability drivers targeted  a 6. Intrusive pole insp  N/A - Elements already captured in other relevant in other relevant	ections.	N/A - Elements already captured in other relevant	N/A - Elements already captured in other relevant	N/A - Elements already captured in	N/A - Elements already captured in	owned Cottles by Life part, This In addition to Birt 200-015 airmail ground partnel.  General institution and best practice ground partnel.
Patrol inspections of distribution electric lines and pulpiment.      Patrol inspections of another inspections of another inspections of anomalous electric lines and pulpiment.      Patrol inspections of anomalous electric lines and pulpiment electric lines and pulpiment electric lines and pulpiment of the electric lines and pulpiment of the electric lines and pulpiment to distribute and the electric lines and pulpiment to distribute and the electric lines and the electri	2000-2012 plan total 2019 plan 2019 plan 2019 plan 2019 plan 2019 plan 2019 plan 2010	\$ 140,872.55 \$ 142,872.55 \$ 422,617.65 Bear Valley Electric: Bear Valley Electric: N/A - Elements already captured in other relevant initiatives	5	\$ 140,872.55 \$ 140,872.55 \$ 422,617.65 any transmission line ation asset managem N/A - Elements already captured in other relevant initiatives	0.00 210.81 210.81 210.81 210.81 5 632.43 so or equipment as all t	\$ 668.24 \$ 668.24 se utility's lines are be lee loading assessmen  N/A - Elements already captured in other relevant initiatives	Contact from object, all types of equipment/facility facility with a facility of the facility	N/A - Elements already capture in other relevant initiatives	nd in Table 24 Initiative  N/A - Elements already captured in other relevant	have been captured in the Ignition probability drivers targeted  a 6. Intrusive pole insp  N/A - Elements already captured in other relevant in other relevant	ections.	N/A - Elements already captured in other relevant	N/A - Elements already captured in other relevant	N/A - Elements already captured in	N/A - Elements already captured in	owned Cottles by Life part, This In addition to Birt 200-015 airmail ground partnel.  General institution and best practice ground partnel.
Patrol inspections of distribution electric lines and pulpiment.      Patrol inspections of another inspections of another inspections of anomalous electric lines and pulpiment.      Patrol inspections of anomalous electric lines and pulpiment electric lines and pulpiment electric lines and pulpiment of the electric lines and pulpiment of the electric lines and pulpiment to distribute and the electric lines and pulpiment to distribute and the electric lines and the electri	2009-2012 plan total 2019 plan 2019	\$ 140,872.55 \$ 142,872.55 \$ 422,617.65 Bear Valley Electric: Bear Valley Electric: N/A - Elements already captured in other relevant initiatives	5	\$ 140,872.55 \$ 140,872.55 \$ 422,617.65 any transmission line ation asset managem N/A - Elements already captured in other relevant initiatives	0.00 210.81 210.81 210.81 210.81 5 632.43 so or equipment as all t	\$ 668.24 \$ 668.24 se utility's lines are be lee loading assessmen  N/A - Elements already captured in other relevant initiatives	Contact from object, all types of equipment/fact from the first fr	N/A - Elements already capture in other relevant initiatives	nd in Table 24 Initiative  N/A - Elements already captured in other relevant	have been captured in the Ignition probability drivers targeted  a 6. Intrusive pole insp  N/A - Elements already captured in other relevant in other relevant.	ections.	N/A - Elements already captured in other relevant	N/A - Elements already captured in other relevant	N/A - Elements already captured in	N/A - Elements already captured in	owned Cottles by Life part, This In addition to Birt 200-015 airmail ground partnel.  General institution and best practice ground partnel.
Patrol inspections of distribution electric lines and pulpiment.      Patrol inspections of another inspections of another inspections of anomalous electric lines and pulpiment.      Patrol inspections of anomalous electric lines and pulpiment electric lines and pulpiment electric lines and pulpiment of the electric lines and pulpiment of the electric lines and pulpiment to distribute and the electric lines and pulpiment to distribute and the electric lines and the electri	2000-2007 Jan todal 2019 plan 2019 plan 2019 plan 2019 actual 2019 actual 2010	\$ 140,872.55 \$ 142,872.55 \$ 422,617.65 Bear Valley Electric: Bear Valley Electric: N/A - Elements already captured in other relevant initiatives	5	\$ 140,872.55 \$ 140,872.55 \$ 422,617.65 any transmission line ation asset managem N/A - Elements already captured in other relevant initiatives	0.00 210.81 210.81 210.81 210.81 5 632.43 so or equipment as all t	\$ 668.24 \$ 668.24 se utility's lines are be lee loading assessmen  N/A - Elements already captured in other relevant initiatives	Contact from object, all types of equipment/facility facility with a facility of the facility	N/A - Elements already capture in other relevant initiatives	nd in Table 24 Initiative  N/A - Elements already captured in other relevant	have been captured in the Ignition probability drivers targeted  a 6. Intrusive pole insp  N/A - Elements already captured in other relevant in other relevant.	ections.	N/A - Elements already captured in other relevant	N/A - Elements already captured in other relevant	N/A - Elements already captured in	N/A - Elements already captured in	owneds distilled by led party. This is addition to the SEGO List annual ground particl.  General installative and best practices applied to relevant installative.
Patrol inspections of distribution electric lines and pulpiment.      Patrol inspections of another inspections of another inspections of anomalous electric lines and pulpiment.      Patrol inspections of anomalous electric lines and pulpiment electric lines and pulpiment electric lines and pulpiment of the electric lines and pulpiment of the electric lines and pulpiment to distribute and the electric lines and pulpiment to distribute and the electric lines and the electri	2009-2012 Jean todal 2010 plan 1 2010 plan	\$ 140,872.55 \$ 140,872.55 \$ 422,617.65 \$ 422,617.65  Bear Valley Electric  Bear Valley Electric  N/A - Elements already captured in other relevant initiatives  S 160,218.79 \$ 165,218.79	5 - 5 - 5 - Service does not have  Service's wildfire mittig  N/A - Elements already captured in other relevant initiatives	\$ 140,872.55 \$ 422,617.65 \$ 422,617.65 \$ any transmission line transmission line and transmission line along transmission line along transmission line and transmission line along transmission line and transmission line along transmission line and transmission line along transmission line along transmission line and transmission line along t	0.00 210.81 210.81 210.81 210.81 5 632.43 so or equipment as all t	\$ 668.24 \$ 668.24 se utility's lines are be lee loading assessmen  N/A - Elements already captured in other relevant initiatives	Contact from object, all types of equipment/facility and the facility with contact con	N/A - Elements already capture in other relevant initiatives	nd in Table 24 Initiative  N/A - Elements already captured in other relevant	have been captured in the Ignition probability drivers Largeted  2.6. Intrusive pole insp  10.4. Elements Lalready captured in other relevant initiatives	ections.	N/A - Elements already captured in other relevant	N/A - Elements already captured in other relevant	N/A - Element; allready captured in other relevant initiatives	N/A- Elements already optived in other relevant institutives	owned Costles by Leg part, This is addition to the State of State
1. Patrol impections of interfacions of interfacions of contribution electric lines and implement and implement in the interfacion of interfacions interfacions impections  5. Substation impections	2009-2012 plan total 2019 plan 2019	\$ 140,872.55 \$ 140,872.55 \$ 422,617.65  Bear Valley Electric:  ### Rear Valley Electric  ### N/A - Elements  aready captured in other relevant initiatives  #### Bear Valley Electric S	5 - 5 - 5 - Service does not have  Service's wildfire mittig  N/A - Elements already captured in other relevant initiatives	\$ 140,872.55 \$ 402,677.55 \$ 422,677.85 \$ 142	C20 210.81 210.81 210.81 210.81 5 612.43 5 612.43 5 or equipment as all 6 ent and inspections price of the control initiatives  N/A - Dismission of the control of the cont	5 668.24 5 668.24 5 668.24 5 668.24 ide loading assessment N/A - Benents Aliza Grantes in other relevant initiatives  N/A - this is a	Contact from object, all types of equipment/facility facility with a facility of the facility	y factor is fully captured  N/A - Elements  already captured in other relevant initiatives  and equipment	N/A - Dements N/A - Dements already captured in other relevant inottatives	have been captured in the lighting probability drivers targeted   9.6. Intrusive pole inspection of the lighting of the lighti	ections.  Existing	N/A - Elements Al/A - Elements almost appared in other relevant initiatives	Account.  N/A - Benents already aptived in other relevant initiatives	N/A - Elements already captured in	N/A - Elements already captured in	ground patrol.  General indisative and best practices applied to and accounted for in other relevant initiatives.
1. Patrol impections of distribution electric lines and quipment 2. Patrol impections of annual properties of the pr	2009-2012 Jan todal 2010 plan 1021 p	\$ 140,872.55 \$ 1402,72.55 \$ 422,617.65 \$ ear Valley Electric  Bear Valley Electric  N/A - Generals  area / gaptive in conter relivant  Bear Valley Electric  \$ 5 150,738.79 \$ 150,738.79 \$ 150,738.79 \$ 150,738.79 \$ 150,738.79 \$ 150,738.79 \$ 150,738.79 \$ 150,738.79 \$ 150,738.79 \$ 150,738.79	Service's wildfire mitigations of the mitigation	\$ 140,872.55 \$ 422,617.65 \$ 422,617.65 \$ any transmission line ation asset managem  M/A: Elements already approved in initiatives  pections are fully cap  \$ 150,382.79 \$ 163,383.79 \$ 163,383.79 \$ 163,383.79 \$ 163,383.79	GDO  220.81 220.81 220.81 5 632.43 5 632.43 ent and inspections pi https://doi.or/10.000/0000000000000000000000000000000	5 668.24 \$ 668.24 \$ 668.24 \$ 668.24  It leading assessment tiel loading assess	Contact from object, all types of equipment/facility about the outer contact C	N/A - Elements already capture in other relevant initiatives	nd in Table 24 Initiative  N/A - Elements already captured in other relevant	have been captured in the lighting probability drivers cargeted of the captured of the capture	ections.	N/A - Elements already captured in other relevant	N/A - Elements already captured in other relevant	N/A - Elements almody optived in other relevant initiatives  N/A - this initiative  In od a sociated with people.	N/A - Bements already optived in other relevant cher relevant inotitatives	owned cottles by the party. This is addition in Bird 2005 annual ground patrol.  General initiative and best practices applied to and accounted for in other relevant initiatives. The party is a proper to confect the party in t
1. Patrol impections of interfacions of interfacions of contribution electric lines and implement and implement in the interfacion of interfacions interfacions impections  5. Substation impections	2000-2012 plan total 2019 plan 2019	\$ 140,872.55 \$ 140,872.55 \$ 422,617.65 \$ 422,617.65  Rear Valley Electric  NA- Elements  siready apptived in other relevant institutes  Barr Valley Electric  \$ 162,738.79  \$ 165,738.79 \$ 165,738.79 \$ 165,738.79 \$ 165,738.79	5 5 5 5 5 5 5 5 5 5 5 5 5 6 6 6 7 7 7 7	\$ 140,872.55   \$ 472,617.65   \$ 472,	0.00 210.81 210.81 210.81 210.81 5 612.43 5 612.43 5 or equipment as all telephone and inspections put and	5 668.24 5 668.24 5 668.24 5 668.24 be utility's lines are be utility's lines are be loading assessment line loading	Contact from object, all types of equipment/facility contact/c	y factor is fully captured  N/A - Elements  already captured in other relevant initiatives  and equipment	N/A - Dements N/A - Dements already captured in other relevant inottatives	have been captured in the lighting probability drivers in the lighting probability drivers surjected.  2 6. Intrusive pole into probability drivers in the lighting surjected in other relevant in other relevant in other relevant in other relevant in integration.	ections.  Existing	N/A - Elements Al/A - Elements almost appared in other relevant initiatives	Account.  N/A - Benents already aptived in other relevant initiatives	N/A - Elements: allready captured in other relevant initiatives  N/A - this initiative is not a sociated	N/A - Elements already captured in other relevant initiatives  N/A - this initiative is not associated	owned Castles by Leg part, This In addition to Birth 2005 dis annual ground particul.  General instative and best practices applied to and accounted for in other separate business and accounted for in other separate has

Explain the rationale for any utility ignition probability-specific inspections (e.g., "enhanced inspections") within the HFTD as deemed necessary over and above the standard inspections. This shall include information about how (i.e., criteria, protocols, etc.) the electrical corporation determines additional inspections are necessary.

Describe the utility's vegetation treatment protocols relating to treatment of any vegetation that could pose a grow-in or fall-in risk to utility equipment. Include in the description the threshold by which the utility makes decisions of whether to [1]

- Discuss the overall objectives, strategies, and tactics of the electrical corporation for vegetation management. In the discussion,

  1. Address how the electrical corporation has collaborated with local land managers to leverage opportunities for fuel treatment activities and fire break creation, and compliance with other local, state, and federal forestry and timber regulations.

  2. Discuss how the electrical corporation identifies and determines which vegetation is at risk of ignition from utility electric lines and equipment.

  3. Describe how (i.e., criteria, data, protocols, studies, etc.) the utility made the determination to trim any vegetation beyond required clearances in C0 95.

  4. Describe how (i.e., criteria, data, protocols, studies, etc.) the electrical corporation identifies and defines "hazard trees" and "trees with strike potential" based on height and feasible path to strike powerlines or equipment. Describe utility plan to identify reliability/at-risk tree species to trim or remove, where feasible, per location-specific criteria.

  5. Include a discussion of how the utility's overall vegetation management initiatives address risks that may arise from trimming or removing trees, including but not limited to erosion, wind, flooding, etc.

### Description of programs to reduce ignition probability and wildfire consequence

For each of the below initiatives, provide a detailed description and approximate timeline of each, whether already implemented or planned, to minimize the risk of its equipment or facilities causing wildfires, include a description of the utility's initiatives. the utility's rationale behind each of the elements of the initiatives, the utility's prioritization approach/methodology to determine spending and deployment of human and other resources, how the utility will conduct audits or other quality checks on each initiative, how the utility plans to elements of the initiative spend of ratepayer funds.

Include descriptions across each of the following initiatives. Input the following initiative names into a spreadsheet formatted according to the template below and input information for each cell in the row

- Additional efforts to manage community and environmental impacts

  Detailed inspections of vegetation around distribution electric lines and equipment
- Detailed inspections of vegetation around transmission electric lines and equipment Emergency response vegetation management due to red flag warning or other urgent conditions Fuel management and reduction of "slash" from vegetation management activities

- Fuel management and reduction of "slash" from vegetation management activities

  Improvement of inspections

  LiDAR inspections of vegetation around distribution electric lines and equipment

  LiDAR inspections of vegetation around ransmission electric lines and equipment

  LiDAR inspections of vegetation around transmission electric lines and equipment, beyond inspections management activities

  Other discretionary inspection of vegetation around distribution electric lines and equipment, beyond inspections managed by rules and regulations

  Other discretionary inspection of vegetation around stransmission electric lines and equipment, beyond inspections manadated by rules and regulations

  Patrol inspections of vegetation around transmission electric lines and equipment

  Autility assurance / quality control of inspections

  Recruiting and training of vegetation management personnel

  Remediation of air-risk species

  Removal and remediation of trees with strike potential to electric lines and equipment

  Substation inspections

  Substation management

  Vegetation invertory system

  Vegetation invertory system

For each of the above initiatives, describe the utility's current program and provide an explanation of how the utility expects to evolve the utility's program over each of the following time periods:

- 1. Before the upcoming wildfire season,
- Before the next annual update.
- Within the next 3 years, and Within the next 10 years.

See BVES 2020 WMP Chapter 3, Section 4.1, 4.2, 4.3, and Subsection 5.2.2

: Vegetation management	and inspections															
Initiative activity	Year	Total per-initiative spend	Subtotal A: Capital expenditure	Subtotal B: Operating expenses	Line miles to be treated	Spend/ treated line mile	ignition probability drivers targeted	Risk reduction	Risk-spend efficiency	Other risk drivers addressed	Existing/new	Existing: What proceeding has reviewed program	If new: Memorandum account	in / exceeding compliance with regulations	Cite associated rule	Comments
Additional efforts to	2019 plan 2019 actual															
manage community and environmental impacts	2021	Bear Valley Electric Se	rvice does not have a	specific wildfire mitig	ition vegetation manag	gement and inspection	initiative dedicated to this effort	at this time. The utility	recognizes that addit	tional efforts to manage	community and env	ronmental impacts are	critical to reducing will	dfine risk and conduct	s such efforts on an as	needed basis, as well as incorporating additional efforts within other programs such as those in Table 29 and Table 30.
	2022-2022 plan total															
2. Detailed inspections of	2019 olan 2019 actual	5 3.265.112.69 5 3.265.112.69	\$ :	\$ 1,265,112.69 \$ 1,265,112.69	N/A - this is a	N/A - this is a	Contact from object, all types									
vegetation around distribution electric lines	2021	5 3.265.112.69 5 3.265.112.69 5 3.265.112.69	1 :	\$ 3,265,112,69 \$ 1,265,112,69	System Wide initiative	System Wide initiative	of equipment/facility failure, wire-to-wire	872,292.38	0.27	Wildfire-Significant Loss of Property	Delsting	D. 19-08-027	FHPMA (not new)	Exceeding	GD-95	Increases vegetation clearances, criterial for tree removals, and eliminates overhang on sub-transmission. These are above the 2017 baseline vegetation clearances that were in effect before CPUC Decision 17-12-024 December 14, 2017 was adopted.
and equipment	2020-2022 plan total	\$ 9,795,338.07	s .	\$ 9,795,338.07	incuove	incasve	contact/contamination									
Detailed inspections of	2019 plan 2019 actual															
vegetation around transmission electric lines	2020	Bear Valley Electric S	ervice does not have a	ny transmission lines	or equipment as all the	e utility's lines are belo	w 65kV.									
and equipment	2022 2020-2022 plan total															
4. Emergency response	2019 plan 2019 actual															
Emergency response vegetation management due to red flag warning or other urgent conditions	2020 2021	Bear Valley Electric Se Grid Operations and	rvice does not have a : Protocols.	specific wildfire mitig	ation vegetation manag	gement and inspection	initiative dedicated to this effort	at this time. The utility	recognizes that eme	rgency response vegets	tion management du	to red flag warnings o	r other urgent condition	ons are critical to redu	cing wildfire risk and h	as already incorporated these efforts into the utility's existing Emergency Response and Preparedness Plan as well as the initiatives described in Table 26
other urgent conditions	3032 2020-2022 plan total															
<ol> <li>Fuel management and reduction of "slash" from vegetation management activities</li> </ol>	2019 olan 2019 actual															
reduction of "slash" from vegetation management	2020 2021	Bear Valley Electric Se	rvice does not have a	specific wildfire mitig	ation vegetation manag	gement and inspection	initiative dedicated to this effort	at this time. Fuel man	agement and reduction	on of "slash" from veget	ation management a	živišes have been inco	rporated into the utilit	y's ongoing and new!	proposed vegetation	nanagement initiatives as described in Table 25.
activities	2022 2020-2022 plan total															
6. Improvement of	2019 plan 2019 actual	N/A - Dements	N/A - Elements	N/A - Elements	N/A - Elements	N/A - Elements		N/A - Elements already captured in other relevant initiatives	N/A - Elements already captured in other relevant initiatives	Reduces escalation should an ignition			N/A - Elements already captured in other relevant initiatives			
inspections	2020	already captured in other relevant initiatives	already captured in other relevant initiatives	already captured in other relevant initiatives	already captured in other relevant initiatives	already captured in other relevant initiatives	Contact from object	other relevant	other relevant	event occur through	Existing	2017 GRC & 2019 WMP	other relevant	Regulation	GD95	Program incorporated new requirements in 2019
	2022 2020-2022 plan total	initiatives	initiatives	initiatives	initiatives	initiatives		initiatives	initiatives	removal of fuel			initiatives			
LIDAR inspections of vegetation around	2019 school 2019 school 2019															
vegetation around distribution electric lines and equipment	2021	Bear Valley Electric Se	rvice's LIDAR inspectio	ns of vegetation arou	ind distribution electric	clines and equipment a	re captured in Table 24 Initiative	e 7. LIDAR inspections	of distribution electric	Tines and equipment.						
	2020-2022 plan total 2019 plan															
S. UDAR inspections of vegetation around	2019 actual 2020	Bear Valley Flactors	mains does not be a	ny transmission ?	or equipment as a title	e utility's lines are belo	w 65kV									
e. LLDAK inspections or vegetation around transmission electric lines and equipment	2021 2022	very ceditic i		.,	agreement are the tree	y a sees and Delo										
<ul> <li>Uther ascretonary inspection of vegetation around distribution electric lines and equipment, beyond inspections</li> </ul>	2020, 2022 plan total 2019 plan															
inspection of vegetation around distribution electric	2019 actual 2020	Bear Valley Electric S	ervice does not have a	ny other discretionar	y inspections of vegeta	ation around distribution	in electric lines and equipment b	eyond inspections ma	ndated by rules and n	egulations and other de	scribed initiatives at t	nis time.				
lines and equipment, beyond inspections	2021 2022															
Turndeted by cults and	2020-2022 olan total 2019 olan															
around transmission	2010 artisal 2020	Bear Valley Electric S	ervice does not have a	ny transmission lines	or equipment as all the	e utility's lines are belo	w 65kV.									
mandaged by rules and 20. Other discretization around transmission electric lines and equipment, beyond impections mandated by	2021															
11. Patrol inspections of	2019 olan 2019 actual															
vegetation around distribution electric lines	2020	Bear Valley Electric Se	rvice's patrol inspectio	ins of vegetation arou	and distribution electric	c lines and equipment a	are fully captured in Table 25 Init	sative 2. Detailed insp	ection of vegetation as	round distribution elect	ric lines and equipme	et and Table 24 Initiativ	e 11. Patrol inspection	s of distribution elect	ric lines and equipment	
and equipment	2022 2020, 2022 plan total															
	2019 school 2019 school															
<ol> <li>Patrol inspections of vegetation around transmission electric lines and equipment</li> </ol>	2020	Bear Valley Electric S	ervice does not have a	ny transmission lines	or equipment as all the	e utility's lines are belo	w 65kV.									
and equipment	2022 2020-2022 plan total															
13 Quality susurance /	2019 plan 2019 actual	N/A - Dements	N/A - Elements	N/A - Elements	N/A - Elements	N/A - Elements		N/A - Dements	N/A - Elements	N/A - Elements		N/A - Elements	N/A - Dements	N/A - Elements	N/A - Elements	
13. Quality assurance / quality control of inspections	2020 2021	already captured in other relevant initiatives	already captured in other relevant initiatives	already captured in other relevant initiatives	already captured in other relevant initiatives	N/A - Elements already captured in other relevant initiatives	AI	already captured in other relevant initiatives	already captured in other relevant initiatives	already captured in other relevant initiatives	Existing	already captured in other relevant initiatives	N/A - Elements already captured in other relevant initiatives	already captured in other relevant initiatives	N/A - Elements already captured in other relevant initiatives	General initiative and best practices applied to and accounted for in other relevant initiatives
	2022 2020, 2022 elan tetal	initiatives	initiatives	initiatives	initiatives	initiatives		initiatives	initiatives	initiatives		initiatives	initiatives	initiatives	initiatives	
	2019 plan	s .	\$	s -												Figure 2 fails on protect delign from any part of a 400 keeps. The plant of the counter because out and counter because the counter of the co
	2019 actual			,												Auditing: Perform site-specific work audits to ensure contractors are performing within the specifications set forth by BVES.  Customer Contacts/Issue Resolution: initiate or follow up in a timely and professional manner on all customer issues that may arise in a manner that will
				* - '												support the policies and procedures of BVES. This includeS customer notifications, permit negotiations, conflict resolution, outage support/investigations and providing shared resources to construction, substation, lines and/or various work groups related to BVES's Vegetation
<ol> <li>Recruiting and training of vegetation management personnel</li> </ol>	2020	\$ 226,961.33	\$	\$ 226,961.33	N/A - this is a System Wide Initiative	N/A - this is a System Wide initiative	Contact from object, all types of equipment/facility failure, wire-to-wire contact/contamination	151.260.94	0.67	Wildfire-Significant Loss of Property	New	N/A - this is a new initiative	WMP Memorandum Account	Exceeding	GD95	Management group.  Administrative: Perform data entry, spreadsheet work, monitor crew activity sheets, track completed work, capture photo documentation of specific
personnel	2021	\$ 226,961.33	s -	\$ 226,961.33	initiative	initiative	wire-to-wire contact/contamination	131,200.94	0.07	Loss of Property	New	initiative	Account	Liceeding	60%	conditions and other administrative tasks as needed.  Developing Work Plans: Develop work plans that specify the pruning and removal requirements to maintain the utility RDWs. These plans will be
																developed in an efficient and straightforward manner for a seamless transition to the tree contractors.  Specialized Projects: Develop and manner specialized projects with an emphasis on reliability and risk management. Perform enhanced outsets
	2022	\$ 226,961.33	\$ .	\$ 226,961.33												investigations, integrated storm hardening projects, performed risk assessment and prioritization studies, developed storm response protocols and implemented barant from programs that are forward to improving volume safety.
	2020-2022 plan total	\$ 680,883.99	\$	\$ 680,883.99												Contractor Safety Observations: Observe contractors as they work and provide safety behavior modification to help ensure a program that is best in
	2019 else 2019 actual															The state of the s
15. Remediation of at-risk species	2020	Remediation of at-risi	species is a subset to	the company's veget	ation management pra	sctices to achieve clears	ances around electric lines and e	quipment as described	in Table 25, particula	urly Table 24 Item 14. A	such, Bear Valley El	ectric Service does not I	nave a specific wildfire	mitigation initiative fo	or remediation of at-ris	species at this time.
	2022 2022-2022 plan total															
16. Removal and	2019 olan 2019 actual															
16. Removal and remediation of trees with strike potential to electric lines and equipment	2020 2021	Removal and remedia	Son of trees with strik	e potential to electric	lines and equipment is	a subset to the compa	ny's vegetation management pr	actices to achieve clea	rances around electric	c lines and equipment a	s described in Table 2	5, particularly Table 24	Item 14. As such, Bea	r Valley Electric Servi	e does not have a spec	fic wildfire mitigation initiative for removal and remediation of trees with strike potential at this time.
lines and equipment	2022 2020, 2022 plan total															
	2019 olan 2019 actual															
17. Substation inspections	2021	Substation vegetation	management is a sub	set to the company's	overall vegetation man	nagement initiatives as	described in Table 25.									
-	2022 2020-2022 plan total															
							In Table 25 Initiatives 2, and 14									
18. Substation vegetation	2019 olan 2019 artual 2020				rcation management in	repections as described	in rable 25 initiatives 2, and 14									
18. Substation vagetation management	2020 2021 2022 2022	Substation inspection	s are a subset to the co	ompany's overall veg												
18. Substation vegetation management	2010 artisal 2020 2021 2022 2022 2020-2022 clan total 2020-2022 clan total	Substation inspection	s are a subset to the co	ompany's overall veg												
management	2010 artisal 2020 2021 2022 2022 2022 2022 plan total	Substation impector	s are a subset to the co	ompany's overall veg							and to Table 75 them 1					
18. Substation vegetation management 19. Vegetation inventory system	2010 artisal 2020 2021 2022 2022 2020-2022 clan total 2020-2022 clan total	Substation impection  Bear Valley Electric Se	s are a subset to the co	ampany's overall veg	ation initiative dedicate	ed to the creation and r	nanagement of a vegetation inve	entory system at this ti	me. The company's u	slity forester, as describ	sed in Table 25 Item I	4., maintains such a syr	item.			
management  19. Vegetation inventory system	2010 artisal 2020 2021 2022 2022 2020-2022 clan total 2020-2022 clan total	Substation impection  Gear Valley Electric Se	s are a subset to the co	ampany's overall veg specific wildfire mitig	ation initiative dedicate	ed to the creation and r	nanagement of a vegetation inve	entory system at this ti	me. The company's u	sility forester, as descrit	ed in Table 25 Item :	4., maintains such a sy	item.			
management  19. Vegetation inventory system	2010 artisal 2020 2021 2022 2022 2020-2022 clan total 2020-2022 clan total	Substation inspection  Bear Valley Electric Se  Vegetation management	s are a subset to the convice does not have a sent to achieve class	expectic wildire mitig	ation initiative dedicate	ed to the creation and r	nanagement of a vegetation inve	entory system at this ti	me. The company's u	sliby forester, as describ	oed in Table 25 Item 1	4., maintains such a sy	den.			
management  19. Vegetation inventory system	2010 orbital 2020 orbital 2020 orbital 2020 orbital 2020 orbital 2021	Substation inspection  Bear Valley Electric Se  Vegetation managem	s are a subset to the co evice does not have a ent to achieve clearant	expany's overall veg specific wildfire mitig tes around electric lin	ation initiative dedicate	ed to the creation and r	nanagement of a vegetation inve	entory system at this ti	me. The company's of	silly forester, as describ	oed in Table 25 Item :	4., maintains such a syr	iters.			
management	2002 street 2002 2002 2003 2004 2004 2005 2005 2005 2005 2005 2005	Substation impection  Bear Valley Deciric Se  Vegetation managem	s are a subset to the co	empany's overall veg specific wildfire estig ces around electric lin	ation initiative dedicate	id to the creation and r aptured in Table 25 Ite	management of a vegetation inve	endory system at this ti	me. The company's u	sility forester, as descrit	oed in Table 25 Item :	4., maintains such a syr	item.			
management  19. Vegetation inventory system	\$100 or total   2002	Substation impection Gear Valley Electric Se Vegetation managem	s are a subset to the co	especific wildfire mitig	es and equipment is co	nd to the creation and o	management of a vegetation inventor of a vegetation of a vegetation inventor of a vegetation of a ve	entory system at this ti	me. The company's u	sility forester, as describ	ed in Table 25 Hem :	4., maintains such a syn	nters.			
management  19. Vegetation inventory system	\$100 or total   2002	Substation impection  their Valley Electric Se  Vegetation managem  N/A - the utility does  not have see sei-	nare a subset to the convice does not have a sent to achieve clearant to achieve clear	especific wildire mitig	N/A - the utility does			N/A - the utility does	N/A - the utility does	silly forester, as describ	oed in Table 25 Item 1	muintains such a syn     M/A - the utility does     not have any old-	N/A - the utility does	N/A - the utility does not have see all	N/A - the utility does	
management  19. Vegetation inventory system	2000 particul 20	Substation impection  Bear Valley Dectric Se  Vegetation managem  N/A - the utility does not have any other or unitility.	n are a subset to the convice does not have a sent to achieve clearant to achieve clearant to achieve and the utility does not have any other or writted.	es around electric lin  N/A - the utility does or unlisted or unlisted	N/A - the utility does			N/A - the utility does not have any other or unished	N/A - the utility does not have any other or unlated	tility forester, as describ N/A - the utility does not have any other or unlisted	N/A - the utility does not have any other or unlated	N/A - the utility does not have any other or unlitted oversitted oversitted oversitted.	N/A - the utility does not have any other or unlisted	N/A - the utility does not have any other or unlasted	N/A - the utility does not have any other or unliked over the control of the cont	NA. The utility date such has any other or unbody aggriden management initiatives
management  19. Vegetation inventory system  20. Vegetation management to achieve clear acces around electric lines and equipment	\$10.0 per set and \$2.000 per set	Substation impertion  Bear Valley Electric Si  Vegetation managem  N/A - the utility does not have any other or unitside vegetation management	nare a subset to the convice does not have a sense to achieve clearant achieve clearant achieve clearant achieve convention achieve ac	expany's overall veg specific wildfire mitigi ces around electric lin N/A - the utility does not have any other or unitary rearrangement	N/A - the utility does		nanagement of a vegetation inverse 2 and 24.  N/A - the utility does not have the other or unlated vegetation management into the contraction of t	N/A - the utility does not have any other or unlisted vegetation management	N/A - the utility does not have any other or unlated wagetation management	sliky forester, as described in the utility forester or unlisted vegetation management	N/A - the utility doe not have any other or unlated wanted management.	N/A- the utility does not have any other or unlated vegetation management	N/A-the utility does not have any other or unlisted vegetation management	N/A - the utility does not have any other or unlated or management	N/A - the utility does not have any other or unliked vegetation management	NA- the utility does not have any other or withhold registration management initiatives
management  19. Vegetation inventory system  20. Vegetation management to achieve clear acces around electric lines and equipment	2000 particul 20	Substation impector flear Valley Dectric Se Vegetation managem N/A - the utility does not have any other or united vegetation management initiatives	s are a subset to the convice does not have a subset to achieve clearant to achieve cl	ampany's overall wag specific wildfire intig on around electric lin N/A - the utility does not have any other or unlisted vegetation management initiatives	es and equipment is co N/A - the utility does not have any other or unlated vegetation management initiatives	aphured in Table 25 Ite  N/A - the utility does not have any other or unliable in management in tissives		N/A - the utility does not have any other or unlisted vegetation management installed vegetation.	N/A - the utility does not have any other or unabled vagatation management initiatives	sility forester, as describ IN/A - the utility does N/A - the utility does not have any other or unitsed vegstation management initiatives	N/A - the utility doe not have any other or unlated wagetation management instatutes	N/A - the utility does not have any other or unfated vegetation management initiatives	N/A - the utility does not have any other or unlisted vegetation management initiatives.	N/A- the utility does not have any other or unlated or unlated interesting the con- interesting the con- tenesting the con	N/A - the utility does not have any other or united vegetation management initiatives	N/A: the utility dans not have any other of weblied regardian management initiations.
management  19. Vegetation inventory system  20. Vegetation management to achieve clear acces around electric lines and equipment	\$10.0 per set and \$2.000 per set	Substation inspection their Valley Decirit Se Vegetation managem Vegetation managem and have any other or unland vegetation beloatives	are a subset to the or invite does not have a series of the order or unfaind vegetation of the order or unfaind or order	organy's overall veg specific wilding mitiga- tes around electric lin N/A-the utility does not been any other or unitand vegetation indiselves	N/A - the utility does			N/A - the utility does not have any other or unlisted vegetation management institutives.	N/A - the utility does not have any other or unlisted vegetation management instantives	SINy forester, as describ N/A-the utility does not have any other vegetation management indistives	N/A - the utility doe not have any other or unlated a vegetation management instances.	N/A- the utility does not have any other or unfailed vegetation management initiatives.	N/A - the utility does not have any other or utilised vegetation reacagement initiatives	N/A- the utility does not have any other or unlated vegetation management intiotives	N/A - the utility does not have any other or united vegetation management initiatives	No the willing data not have any other or weblied regulation management initiations
management  15. Vegetation inventory system  20. Vegetation  20. Vegetation achieve class according to achieve class according to achieve class according to achieve class according to achieve and equipment	\$200 act and \$200	Substation inspection  Bear Valley Decret Si  Vegetation managem  NA the stillry discontrol  not have any other or unland vegetation management instatives	n are a subset to the convice does not have a set to other convice does not have a set to other convice does not have a set to other convice does not not not set to other convices of the convice does not	onpany's overall wag operative wilding mitiga- ons around electric lin N/A - the using does not have any other or undered vegetation management includings	N/A - the utility does			N/A- the utility does not have any other or validation management institutives.	N/A - the utility does not have any other or unlisted or unsequenced initiatives.	SINy forester, as describ N/A - the utility does not have any other vegetation management initiatives	N/A - the utility does not have any other or unlitted vegetation management initiatives	N/A - the utility does not have any other or unfailed vegetation management initiatives	N/A - the utility does not have any other or unlisted vegetation representations institutives.	N/A-the utility does not have any other or unlasted vegetation management initiatives	R/A - the utility does not have any other or united vegetation management initiatives	N/A—the celliny date technical any soller or schilded regulation recongressed inhibition.

## 5.3.6 Grid operations and protocols

## Description of programs to reduce ignition probability and wildfire consequence

For each of the below initiatives, provide a detailed description and approximate timeline of each, whether already implemented or planned, to minimize the risk of its equipment or facilities causing wildfires. Include a description of the utility's initiatives, the utility's rationale behind each of the elements of the initiatives, the utility's prioritization approach/methodology to determine spending and deployment of human and other resources, how the utility will conduct audits or other quality checks on each initiative, how the utility plans to demonstrate over time whether each component of the initiatives is effective and, if not, how the utility plans to evolve each component to ensure effective spend of ratepayer funds.

Include descriptions across each of the following initiatives. Input the following initiative names into a spreadsheet formatted according to the template below and input information for each cell in the row.

Include descriptions across each of the following initiatives. Input the following initiative names into a spreadsheet formatted according to the template below and input information for each cell in

1. Automatic recloser operations

2. Crew-accompanying ignition prevention and suppression resources and services

3. Personnel work procedures and training in conditions of elevated fire risk

4. Protocols for PSPS re-energization

5. PSPS events and mitigation of PSPS impacts

6. Stationed and on-call ignition prevention and suppression resources and services

7. Other / not listed joinly if an initiative cannot feasibly be classified within those listed above]

For each of the above initiatives, describe the utility's current program and provide an explanation of how the utility expects to evolve the utility's program over each of the following time periods:

- Before the upcoming wildfire season,
   Before the next annual update,
   Within the next 3 years, and
   Within the next 10 years.

See BVES 2020 WMP Chapter 3, Sections 4.1, 4.2, 4.3, Section 5.3, and Subsection 5.5.1

## Table 26: Grid operations and protocols

Initiative activity	Year	Total per-initiative spend	Subtotal A: Capital expenditure	Subtotal B: Operating expenses	Line miles to be treated	Spend/treated line mile	Ignition probability drivers targeted	Risk reduction	Risk-spend efficiency	Other risk drivers addressed	Existing/ new	Existing: What proceeding has reviewed program	If new: Memorandum account	In / exceeding compliance with regulations	Cite associated rule	Comments
Automatic recloser operations	2019 plan 2019 actual 2020 2021 2022 2020-2022 plan total	\$ 100,000.00 \$ 100,000.00 \$ 200,000.00 \$ . \$ .	\$ 100,000.00 \$ 100,000.00 \$ 200,000.00 \$ - \$ - \$ 200,000.00		N/A - this is a System Wide Initiative	N/A - this is a System Wide Initiative	Contact from object, all types of equipment/facility failure, wire- to-wire contact/contamination	1,115,048.65	3.72	Wildfire-Significant Loss of Property	Existing	D. 19-08-027	GRC	N/A - this initiative is a non-standard operating practice unassociated with any specific regulation	N/A - this initiative is a non-standard operating practice unassociated with any specific regulation	Automatic Recloser Upgrades. Recloser replacement to reduce electrical sparking, while also helping mitigate power outages and equipment damage. Estimated 33% completion in 2019.
Crew-accompanying ignition prevention and suppression resources and services	2019 plan 2019 actual 2020 2021 2022 2020 2020 2020 2020 202	ignition prevention a	nd suppression resou	rces and services. Add	tionally, during eleva	ted risk conditions or		pecific work practices	and protocols and m	akes available specific	resources and tools fo	or use by operations p	ersonnel as included i			which can include crew-accompanying rrently have a specific grid operations
Personnel work     procedures and training in     conditions of elevated fire     risk	2019 plan 2019 actual 2020 2021 2022 2020 2020 plan total	\$ 65,740.52 \$ 65,740.52 \$ 65,740.52 \$ 65,740.52 \$ 65,740.52 \$ 67,740.52		\$ 65,740.52 \$ 65.740.52 \$ 65,740.52 \$ 65,740.52 \$ 65,740.52 \$ 197,221.56	N/A - this is a System Wide Initiative	N/A - this is a System Wide Initiative	Contact from object, all types of equipment/facility failure, wire-to-wire contact/contamination	146,466.53	2.23	Wildfire-Significant Loss of Property	Existing	D. 19-08-027	GRC	N/A - this initiative is a non-standard operating practice unassociated with any specific regulation	N/A - this initiative is a non-standard operating practice unassociated with any specific regulation	Wildfire Infrastructure Protection Teams. Roles and responsibilities for staff to respond to protect system infrastructure in case of emergencies.
Protocols for PSPS re- energization	2019 plan 2019 actual 2020 2021 2022 2022 2020-2022 plan total	Bear Valley Electric So	ervice considers re-en	ergization after a PSPS	event to be a subset	of outage restoration	and re-energization protocols gene	rally included in Table	e 26. Therefore, the ut	ility does not have a s	eparate protocol for P	isps.				
5. PSPS events and mitigation of PSPS impacts	2019 plan 2019 actual 2020 2021 2022	\$ 42,000.00 \$ - \$ 42,000.00 \$ 42,000.00	\$ - \$ - \$ - \$ -	\$ 42,000.00 \$ - \$ 42,000.00 \$ 42,000.00	N/A - this is a System Wide Initiative	N/A - this is a System Wide Initiative	All	777,385.29	18.51	Wildfire-Significant Loss of Property	Existing/New	D. 19-08-027	GRC and WMP Memorandum Account	In compliance	R. 18-12-005	PSPS Protocols. Protocols and procedures to respond to and recover from de-energization events, which proactively prevent widiffes. Costs partially recovered. RSE is an estimate based on latest risk assessment.
6. Stationed and on-call ignition prevention and suppression resources and services	2020-2022 plan total 2019 plan 2019 actual 2020 2021 2022 2022 2020-2022 plan total	\$ 126,000.00 Bear Valley Electric Se		\$ 126,000.00	d on-call ignition prev	ention and suppressi	on resources and services not captu	red in existing initiativ	ves.							
7. Other / not listed	2019 plan 2019 actual 2020 2021 2022 2020-2022 plan total	N/A - costs recovered in BVES' General Rate Case a. 17-05-004.	N/A - costs recovered in BVES' General Rate Case a. 17-05-004.	N/A - costs recovered in BVES' General Rate Case a. 17-05-004.	N/A - this is a System Wide Initiative	N/A - this is a System Wide Initiative	Contact from object, all types of equipment/facility failure, wire-to-wire contact/contamination	1,022,629.33	N/A - this initiative is not associated with a specific Risk- Spend Efficiency	Wildfire-Significant Loss of Property	Existing	D. 19-08-027	GRC	N/A - this initiative is a non-standard operating practice unassociated with any specific regulation	N/A - this initiative is not associated with any specific regulation	Operational Considerations/Special Work Procedures. Operational procedures that are conditions-based to optimize the distribution system for wildfire mitigation. Costs recovered in BVES' General Rate Case A.17-05-004.

### 5.3.7 Data Governance

## Description of programs to reduce ignition probability and wildfire consequence

For each of the below initiatives, provide a detailed description and approximate timeline of each, whether already implemented or planned, to minimize the risk of its equipment or facilities causing wildfires. Include a description of the utility's initiatives, the utility's rationale behind each of the elements of the initiatives, the utility's prioritization approach/methodology to determine spending and deployment of human and other resources, how the utility will conduct audits or other quality checks on each initiative, how the utility plans to demonstrate over time whether each component of the initiatives is effective and, if not, how the utility plans to evolve each component to ensure effective spend of ratepayer funds.

Include descriptions across each of the following initiatives. Input the following initiative names into a spreadsheet formatted according to the template below and input information for each cell in the row.

- across each of the following initiatives. Input the following initiative names into a spreadsheet for

  1. Centralized repository for data

  2. Collaborative research on utility ignition and/or wildfire

  3. Documentation and disclosure of wildfire-related data and algorithms

  4. Tracking and analysis of near miss data

  5. Other / not listed [only if an initiative cannot feasibly be classified within those listed above]

The list provided is non-exhaustive and utilities shall add additional initiatives to this table as their individual programs are designed and structured. Do not create a new initiative if the utility's initiatives can be classified under a provided initiative. For each of the above initiatives, describe the utility's current program and provide an explanation of how the utility expects to evolve the utility's program over each of the following time periods:

- Before the upcoming wildfire season, Before the next annual update, Within the next 3 years, and Within the next 10 years.

See BVES 2020 WMP Chapter 3, Sections 4.1, 4.2, 4.3, and Subsection

Table 27: Data governance Response to WSD data requ

27: Data governance																
nse to WSD data request item Initiative activity	Year		\$ 420.00 Subtotal A: Capital expenditure		Line miles to be treated	Spend/ treated line mile	Ignition probability drivers targeted	Risk reduction	Risk-spend efficiency	Other risk drivers addressed	Existing/ new	Existing: What proceeding has reviewed program	If new: Memorandum account	In / exceeding compliance with regulations	Cite associated rule	Comments
Centralized repository for data	2019 plan 2019 actual 2020 2021 2022 2020-2022 plan	\$ 46.382.29 \$ 46.382.29 \$ 46.382.29 \$ 46,382.29 \$ 46,382.29	\$ - \$ - \$	\$ 46.382.29 \$ 46.382.29 \$ 46.382.29 \$ 46,382.29 \$ 46,382.29	N/A - this is a System Wide Initiative	N/A - this is a System Wide Initiative	All	148,458.96	3.20	Wildfire-Significant Loss of Property.	Existing	D. 19-08-027	GRC	N/A - this initiative is unassociated with any specific regulation	N/A - this initiative is unassociated with any specific regulation	GIS Data Collection & Sharing, Maintain and share Geographic Information System (GIS) database on system infrastructure for asset management and planning with key stakeholders.
Collaborative research on utility ignition and/or wildfire	2019 plan 2019 actual 2020 2021 2022 2020-2022 plan				ation data governan	ce plan focused on col	laborative research or	utility ignition and/or	wildfire at this time.	The company generall	y collaborates with N	lutual Ald Partners and	first responders to d	evelop protocols, proc	edures, and communic	cation plans to prevent, manage, and respond to
Documentation and disclosure of wildfire-related data and algorithms	2019 plan 2019 actual 2020 2021 2022 2020-2022 plan total	Bear Valley Electric S	Service does not have	a specific data governa	nce wildfire mitigati	on program focused or	a documentation and o	disclosure of wildfire-r	elated data and algor	ithms that maps to the	e tracking and level of	detail requested in thi	s table at this time.			
near miss data	2019 plan 2019 actual 2020 2021 2022 2020-2022 plan total	Bear Valley Electric S	service does not have	a specific wildfire miti	jation data governan	ce initiative focused or	n tracking and analysis	of near-miss data tha	maps to the tracking	g and level of detail rec	quested in this table a	t this time.				
5. Other / not listed	2019 plan 2019 actual 2020 2021 2022 2020-2022 plan total	Bear Valley Electric S	Service dose not have	any other wildfire miti	ration data governan	ce initiatives at this tin	ne.									

#### 5.3.8

## Description of programs to reduce ignition probability and wildfire consequence

For each of the below initiatives, provide a detailed description and approximate timeline of each, whether already implemented or planned, to minimize the risk of its equipment or facilities causing wildfires. Include a description of the utility's initiatives, the utility's rationale behind each of the elements of the initiatives, the utility's prioritization approach/methodology to determine spending and deployment of human and other resources, how the utility will conduct audits or other quality checks on each initiative, how the utility plans to demonstrate over time whether each component of the initiatives is effective and, if not, how the utility plans to evolve each component to ensure effective spend of ratepayer funds.

Include descriptions across each of the following resource allocation methodology and sensitivities initiatives, including a description of the data flow into the calculations involved in each. Input the following initiative names into a spreadsheet formatted according to the template below and input information for each cell in the row.

- Allocation methodology development and application
   Risk reduction scenario development and analysis
   Risk spend efficiency analysis
   Other / not listed [only if an initiative cannot feasibly be classified within those listed above]
- For each of the below initiatives, describe the utility's current program and provide an explanation of how the utility expects to evolve the utility's program over each of the following time periods:
- Before the upcoming wildfire season Before the next annual update Within the next 3 years Within the next 10 years

The list provided is non-exhaustive and utilities shall add additional initiatives to this table as their individual programs are designed and

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See BVES 2020 WMP Chapter 3, Sections 4.1, 4.2, and 4.3

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Initiative activity	Year	Total per-initiative spend		Subtotal B: Operating expenses	Line miles to be treated	Spend/ treated line mile	Ignition probability drivers targeted	Risk reduction	Risk-spend efficiency	Other risk drivers addressed	Existing/ new	Existing: What proceeding has reviewed program	If new: Memorandum account	In / exceeding compliance with regulations	Cite associated rule	Comments
Allocation methodology development and application	2019 plan 2019 actual 2020 2021 2022 2020-2022 plan total	Valley Electric Service	cannot provide infor	mation regarding the	utility's wildifre mitiga	tion resouce allocatio	n methodology focuse		dology development a	and application to the		applicable to Bear Valle	y Electric Service, spe	cifically many of the c	omponents requested Vildfire Safety Division	
Risk reduction scenario development and analysis	2019 plan 2019 actual 2020 2021 2022 2022 2020-2022 plan total	Valley Electric Service	cannot provide infor	mation regarding the	utility's wildifre mitiga	tion resouce allocatio	n methodology focuse		nario development a	nd analysis to the leve					omponents requested fire Safety Division of t	
Risk spend efficiency analysis	2019 plan 2019 actual 2020 2021 2022 2022 2020-2022 plan total	Valley Electric Service	cannot provide infor	mation regarding the	utility's wildifre mitiga	tion resouce allocatio	n methodology focuse		ncy analysis to the lev						omponents requested the California Public U	
4. Other / not listed	2019 plan 2019 actual 2020 2021 2022 2022 2020-2022 plan total	Valley Electric Service	cannot provide infor	mation regarding the	utility's wildifre mitiga	tion resouce allocatio	n methodology focuse		d initiative(s) to the le	evel of tracking and det					omponents requested of the California Public	

Description of programs to reduce ignition probability and wildfire consequence

For each of the below initiatives, provide a detailed description and approximate timeline of each, whether already implemented or planned, to minimize the risk of its equipment or facilities causing wildfires. Include a description of the utility's initiatives, the utility's rationale behind each of the elements of the initiatives, the utility's prioritization approach/methodology to determine spending and deployment of human and other resources, how the utility will conduct audits or other qinclude a general description of the overall emergency preparedness and response plan, and detail:

- 1. A description of how plan is consistent with disaster and emergency preparedness plan prepared pursuant to Public Utilities Code Section 768.6, including:

  - Plans to prepare for and restore service, including workforce mobilization (including mutual aid and contractors) and prepositioning equipment and employees
     Emergency communications, including community outreach, public awareness, and communications efforts before, during, and after a wildfire in English, Spanish, and the top three primary languages used in California other than English or Spanish, as determined by United States Census data
     C. Showing that the utility has an adequate and trained workforce to promptly restore service after a major event, taking into account mutual aid and contractors
- 2. Customer support in emergencies, including protocols for compliance with requirements adopted by the CPUC regarding activities to support customers during and after a wildfire, including:

  - Outage reporting
     Support Members
     Support for low income customers
     Billing adjustments
     Deposit waivers
     Extended payment plans
     Suspension of disconnection and nonpayment fees
  - Repair processing and timing
  - g. Repair processing and summer h. Access to utility representatives
- 1. Coordination with Public Safety Partners, such as stationing utility personnel in county Emergency Operations Cent

Describe utility efforts to identify which additional languages are in use within the utility's service territory, including plan to identify and mitigate language access challenges

#### Description of programs to reduce ignition probability and wildfire consequence

For each of the below initiatives, provide a detailed description and approximate timeline of each, whether already implemented or planned, to minimize the risk of its equipment or facilities causing wildfires. Include a description of the utility's initiatives the utility's rationale behind each of the elements of the initiatives, the utility's prioritization approach/methodology to determine spending and deployment of human and other resources, how the utility will conduct audits or other quality checks on each initiative, how the utility plans to demonstrate over time whether each component of the initiatives is effective and, if not, how the utility plans to evolve each component to ensure effective spend of ratepayer funds.

Include descriptions across each of the following initiatives. Input the following initiative names into a spreadsheet formatted according to the template below and input information for each cell in the row.

1. Adequate and trained workforce for service restoration

2. Community outreach, public awareness, and communications efforts

- Customer support in emergencies
- Disaster and emergency preparedness plan
- Preparedness and planning for service restoration Protocols in place to learn from wildfire events
- Other / not listed [only if an initiative cannot feasibly be classified within those listed above]

The list provided is non-exhaustive and utilities shall add additional initiatives to this table as their individual programs are designed and structured. Do not create a new initiative if the utility's initiatives can be classified under a provided initiative.

uality checks on each initiative, how the utility plans to demonstrate over time whether each component of the initiatives is effective and, if not, how the utility plans to evolve each component to ensure effective spend of ratepayer funds.

include descriptions across each of the following resource allocation methodology and sensitivities initiatives, including a description of the data flow into the calculations involved in each. Input the following initiative names into a spreadsheet formatted according to the template below and input information for each cell in the row.

- 1. Allocation methodology development and application
- Risk reduction scenario development and analysis
- Risk spend efficiency analysis
   Other / not listed [only if an initiative cannot feasibly be classified within those listed above]

For each of the below initiatives, describe the utility's current program and provide an explanation of how the utility expects to evolve the utility's program over each of the following time periods

- Before the upcoming wildfire season
- Before the next annual undate
- Within the next 3 years Within the next 10 years

The list provided is non-exhaustive and utilities shall add additional initiatives to this table as their individual programs are designed and structured. Do not create a new initiative if the utility's initiatives can be classified under a provided initiative. Where the columns listed do not apply or cannot be meaningfully calculated for a given resource allocation methodology and sensitivities initiative, "N/A" may be logged in the corresponding cell.

For each of the above initiatives, describe the utility's current program and provide an explanation of how the utility expects to evolve the utility's program over each of the following time periods:

- Refore the uncoming wildfire season
- Before the next annual update,
- Within the next 3 years, and Within the next 10 years.

See BVES 2020 WMP Table 3-6, Sections 5.5, 5.7, 5.8, & 5.9

Table 29: Emergency planning and preparedness Response to WSD data request item BVES-43879-

to WSD data request item	BVES-43879-E-139	72										Existing: What	If new:	In / exceeding		
Initiative activity	Year	Total per-initiative spend	Subtotal A: Capital expenditure	Subtotal B: Operating expenses	Line miles to be treated	Spend/ treated line mile	Ignition probability drivers targeted	Risk reduction	Risk-spend efficiency	Other risk drivers addressed	Existing/ new	proceeding has reviewed program	Memorandum account	compliance with regulations	Cite associated rule	Comments
Adequate and trained workforce for service restoration	2019 plan 2019 actual 2020 2021 2022 2020-2022 plan total	N/A - this is not a specifically budgeted program	N/A - this is not a specifically budgeted program	N/A - this is not a specifically budgeted program	N/A - this is a System Wide Initiative	N/A - this is a System Wide Initiative	N/A - response related	N/A - as a System Wide Initiative, this initiative does not have a specified risk reduction	N/A - as a System Wide Initiative, this Initiative does not have a specific risk- spend efficiency	customers and comunity from an event causing interrupting of service; reduces risk of escalation	Existing	GRC	N/A - this is an Existing initiative	In compliance	GO 166	N/A - no additional comments
Community outreach, public awareness, and communications efforts	2019 plan 2019 actual 2020 2021 2022 2020-2022 plan total	N/A - this is not a specifically budgeted program	N/A - this is not a specifically budgeted program	N/A - this is not a specifically budgeted program	N/A - this is a System Wide initiative	N/A - this is a System Wide Initiative	Contact from object	N/A - as a System Wide Initiative, this initiative does not have a specified risk reduction	N/A - as a System Wide Initiative, this Initiative does not have a specific risk- spend efficiency	Reduces impact to customers and comunity from an event causing interrupting of service; reduces risk of escalation Reduces impact to	Existing	GRC	N/A - this is an Existing initiative	In compliance	GO 167	N/A - no additional comments
Customer support in emergencies	2019 plan 2019 actual 2020 2021 2022 2020-2022 plan total	N/A - this is not a specifically budgeted program	N/A - this is not a specifically budgeted program	N/A - this is not a specifically budgeted program	N/A - this is a System Wide Initiative	N/A - this is a System Wide Initiative	N/A - response related	N/A - as a System Wide Initiative, this Initiative does not have a specified risk reduction	N/A - as a System Wide Initiative, this Initiative does not have a specific risk- spend efficiency	Reduces impact to customers and comunity from an event causing interrupting of service; reduces risk of escalation	Existing	GRC	N/A - this is an Existing initiative	In compliance	R. 18-12-005	N/A - no additional comments
Disaster and emergency preparedness plan	2019 plan 2019 actual 2020 2021 2022 2020-2022 plan total	N/A - this is not a specifically budgeted program	N/A - this is not a specifically budgeted program	N/A - this is not a specifically budgeted program	N/A - this is a System Wide Initiative	N/A - this is a System Wide Initiative	Contact from object, all types of equipment/facility failure, wire-to-wire contact/contamination	146,466.53	N/A - this initiative does not have a specific Risk-spend efficiency	Wildfire-Significant Loss of Property	Existing	D. 19-08-027	N/A	In compliance	GO 166	Emergency Reporting & Procedures. Protocols and procedures for staff to respond to faults, emergencies, outages, dissaster events (such as earthquake, wildfire, etc.), etc.
5. Preparedness and planning for service restoration	2019 plan 2019 actual 2020 2021 2022 2020-2022 plan total	N/A - this is not a specifically budgeted program	N/A - this is not a specifically budgeted program	N/A - this is not a specifically budgeted program	N/A - this is a System Wide Initiative	N/A - this is a System Wide Initiative	N/A - response related	146,466.53	N/A - this initiative does not have a specific Risk-spend efficiency	Wildfire-Significant Loss of Property	Existing	D. 19-08-027	CEMA if applicable	In compliance	GO 166	Post-incident Recovery, Restoration & Remediation. Protocols and procedures to respond to and recover from any wildfire or related emergency events.
6. Protocols in place to learn from wildfire events	2019 plan 2019 actual 2020 2021 2022 2020-2022 plan total						Response Plan to learn from v that are not already covered			y learns from any eme	rgency event.					
7. Other / not listed	2019 plan 2019 actual 2020 2021 2022 2020-2022 plan total	Bear Valley Electric S	iervice does not have o	emergency planning ar	nd preparedness initia	itives other than those	listed above at this time.									

## 5.3.10 Stakeholder cooperation and community engagement

## Description of programs to reduce ignition probability and wildfire consequence

For each of the below initiatives, provide a detailed description and approximate timeline of each, whether already implemented or planned, to minimize the risk of its equipment or facilities causing wildfires. Include a description of the utility's initiatives, the utility's rationale behind each of the elements of the initiatives, the utility's prioritization approach/methodology to determine spending and deployment of human and other resources, how the utility will conduct audits or other quality checks on each initiative, how the utility plans to demonstrate over time whether each component of the initiatives is effective and, if not, how the utility plans to evolve each component to ensure effective spend of ratepayer funds.

Include descriptions across each of the following initiatives. Input the following initiative names into a spreadsheet formatted according to the template below and input information for each cell in the row.

- across each of the following initiatives. Input the following initiative names into a spreadsheet for

  1. Community engagement

  2. Cooperation and best practice sharing with agencies outside CA

  3. Cooperation with suppression agencies

  4. Forest service and fuel reduction cooperation and joint roadmap

  5. Other / not listed [only if an initiative cannot feasibly be classified within those listed above]

The list provided is non-exhaustive and utilities shall add additional initiatives to this table as their individual programs are designed and structured. Do not create a new initiative if the utility's initiatives can be classified under a provided initiative.

For each of the above initiatives, describe the utility's current program and provide an explanation of how the utility expects to evolve the utility's program over each of the following time periods:

- Before the upcoming wildfire season,
- Before the next annual update, Within the next 3 years, and Within the next 10 years.

See BVES 2020 WMP Subsection 5.2.2 and Sections 5.7, 5.8, & 5.9

Table 30: Stakeno	ider cooperatio	n and cor	nmunity	engageme

Initiative activity	Year	Total per-initiative spend	Subtotal A: Capital expenditure	Subtotal B: Operating expenses	Line miles to be treated	Spend/ treated line mile	Ignition probability drivers targeted	Risk reduction	Risk-spend efficiency	Other risk drivers addressed	Existing/ new	Existing: What proceeding has reviewed program	If new: Memorandum account	In / exceeding compliance with regulations	Cite associated rule	Comm
Community engagement	2019 plan 2019 actual 2020 2021 2022 2022 2020-2022 plan total			a community engagem as a wildfire risk mitig				component of its ove	rall Emergency Prepar	edness and Response	Programs as included	l in Section X.				
Cooperation and best practice sharing with agencies outside CA	2019 plan 2019 actual 2020 2021 2022 2020-2022 plan total	N/A - this is not a specifically budgeted program	N/A - this is not a specifically budgeted program	N/A - this is not a specifically budgeted program	N/A - this is a System Wide Initiative	N/A - this is a System Wide Initiative	This initiative targets all ignition probabilty drivers		N/A - as a System Wide Initiative, this initiative does not have a specific risk- spend efficiency	Reduces risk of escalation through support of accelerated restoration	Existing	N/A - none	N/A - this is an Existing initiative	N/A - there is not a clear threshold for compliance for this initiative	N/A - none	N/A -
3. Cooperation with suppression agencies	2019 plan 2019 actual 2020 2021 2022 2022 2020-2022 plan total		budgeted program   budgeted program   budgeted program   Initiative   Initiative   probability drivers   have a specific risk   accelerated													
Forest service and fuel reduction cooperation and joint roadmap	2019 plan 2019 actual 2020 2021 2022 2022 2022 2020-2022 plan total		lley Electric Service views cooperation with suppression agencies as a component of the company's Emergency Planning and Preparationess Programs outlined in Section X and does not have a separate program for cooperation with suppression agencies specific to this Wildfre Miligation Plan at this time as such.  Section 5. In this critical to the overall reduction of wildfre risk in the state of CA, Bear Valley Electric Service does not have program deficiented to cooperation with the forest service and five frediction and the development of a joint madernay specific to this Wildfre Miligation Plan. The utility views these an as-needed basis and incorporates additional efforts to manage community environments within other programs, such as those included in Section XX and Section XX and the company's overall vegetation management and inspections programs described in Section XX.													
5. Other / not listed	2019 plan 2019 actual 2020 2021 2022	Bear Valley Electric S	Service does not have s	itakeholder cooperatio	n and community en	gagement initiatives o	ther than those listed	above.								

## 5.4 Methodology for enterprise-wide safety risk and wildfire-related risk assessment

Describe methodology for identifying and evaluating enterprise wide safety risk and wildfire related risk, and how that methodology is consistent with the methodology used by other electric utilities or electrical corporations. If the risk identification and evaluation methodology is different, the utility shall explain why in this section.

See BVES 2020 WMP Sections 3.1 and 3.2

## 5.5 Planning for workforce and other limited resources

Include a showing that the utility has an adequately sized and trained workforce to promptly restore service after a major event, taking into account employees of other utilities pursuant to mutual aid agreements and employees of entities that have entered into contracts with the utility.

See BVES 2020 WMP Subsection 5.5.2 and section 5.9

## 5.6.1 Planned utility infrastructure construction and upgrades

Explain how the utility expects the geographic location of transmission and distribution lines to shift over the three-year plan period and discuss its impact on 1) the utility's risk exposure and 2) the utility's wildfire mitigation strategy. Outline portions of grid within HFTO that are highest cost to serve, by highlighting circuits or portions of circuits that exceed 50.5M per customer in capital cost required to harden. Provide justification for the level of hardening required and why the observed so 15.0M per customer, including by describing the various alternatives that were considered to reduce ignition probability and estimated wildfire consequence. For each of these sections of the grid, outline any analysis that was conducted around islanding, serving with microgrids, or providing backup generation, all to reduce the impact of PSPS events and reduce ignition probability and estimated wildfire consequence at the lowest possible cost.

Discuss how the utility wildfire mitigation strategy influenced its plan for infrastructure construction (in terms of additions or removal of overhead lines, including undergrounding of overhead lines) as detailed in Section 3.4.2. Discuss how the utility wildfire mitigation strategy influenced its plan for upgrades to overhead lines and substations as detailed in the Section 3.4.2.

BVES does not have plans in the foreseeable future for new circuit construction for either transmission or distribution. The Ute Undergrounding initiative is still under the preliminary planning and discussion phase.

See BVES 2020 WMP Sections 2.1, 2.2, 3.2, 3.3.

Table 31: Change in drivers of ignition probability taking into account planned initiatives, for each year of plan

Incident type by ignition probability driver	Detailed risk driver	Are near misses tracked?	Nui	mber of incidents per	year	Average percen	tage likelihood of ign	ition per incident	Nu	mber of ignitions per	year
			2020	2021	2022	2020	2021	2022	2020	2021	2022
	All types of object contact	Y	4	4	2	0.00%	0.00%	0.00%	0	0	0
	Animal contact	Y	1	1	0	0.00%	0.00%	0.00%	0	0	0
Contact from object	Balloon contact	Y	0	0	0	0.00%	0.00%	0.00%	0	0	0
	Vegetation contact	Y	3	3	2	0.00%	0.00%	0.00%	0	0	0
	Vehicle contact	Y	0	0	0	0.00%	0.00%	0.00%	0	0	0
	All types	Y	16	14	11	0.00%	0.00%	0.00%	0	0	0
	Capacitor bank failure	Y	0	0	0	0.00%	0.00%	0.00%	0	0	0
	Conductor failure—all	Y	3	3	2	0.00%	0.00%	0.00%	0	0	0
	Conductor failure—wires down	Y	3	3	2	0.00%	0.00%	0.00%	0	0	0
All types of equipment / facility failure	Fuse failure—all	Y	4	3	3	0.00%	0.00%	0.00%	0	0	0
All types of equipment / facility failure	Fuse failure—conventional blown fuse	Υ	4	3	3	0.00%	0.00%	0.00%	0	0	0
	Lightning arrestor failure	Y	0	0	0	0.00%	0.00%	0.00%	0	0	0
	Switch failure	Y	0	0	0	0.00%	0.00%	0.00%	0	0	0
	Transformer failure	Y	2	2	1	0.00%	0.00%	0.00%	0	0	0
Wire-to-wire contact / contamination		Υ	2	1	0	0.00%	0.00%	0.00%	0	0	0
Other		Y	0	0	0	0.00%	0.00%	0.00%	0	0	0

## Protocols on Public Safety Power Shut-Off

- Describe protocols on Public Safety Power Shut-Off

  Describe protocols on Public Safety Power Shut-Off

  1. Strategy to minimize public safety risk during high wildfire risk conditions and details of the considerations, including but not limited to list and description of community assistance locations and services provided during a denergization event.

  2. Outline of tactical and strategic decision-making protocol for initiating a PSPS/de-energization (e.g., decision tree).

  3. Strategy to provide for safe and effective re-energization of any area that was de-energized due to PSPS protocol.

  4. Company standards relative to customer communications, including consideration for the need to notify priority essential services critical first responders, public safety partners, critical facilities and infrastructure, operators of telecommunications infrastructure, and water utilities/agencies. This section shall also include description of strategy and protocols to ensure timely notifications to commercs, including access and functional needs populations, in the languages prevalent within the utility's service territory.

  5. Protocols for mitigating the public safety impacts of these protocols, including impacts on first responders, health care facilities, operators of telecommunications infrastructure, and water utilities/agencies.

See BVES 2020 WMP Sections 5.5, 5.6, 5.7, 5.8, and 5.9

# 6 Utility GIS attachments

- 6.1 Recent weather patterns the utility is unable to provide this data in GIS format at this time
- 6.2 Recent drivers of ignition probability the utillity is unable to provide this data in GIS format at this time
- 6.3 Recent use of PSPS the utillity is unable to provide this data in GIS format at this time
- 6.4 Current baseline state of service territory and utility equipment
- 6.5 Location of planned utility equipment additions or removal the utillity is unable to provide this data in GIS format at this time
- 6.6 Planned 2020 WMP initiative activity by end-2022 the utillity is unable to provide this data in GIS format at this time

See Zipped "BVES Area Map Files.zip" folder, comprising all utility assets and available data for GIS mapping