Department of Homeland Security Federal Emergency Management Agency

General Info

Applicant Name San Lorenzo Valley Water District Inc

Incident Start Date 8/14/2020

Applicant FIPS 087-1F44D-00

Incident End Date 9/26/2020

8/22/2020

Event Job # 4558DR

Event Name

Declaration Date

Contacts

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Damage Inventory

Damage #	Category	Name	Description	Project	Address 1	Address 2	City	State	Zip	Lat	Long	Primary Cause of Damage	Approx. Cost	% Work Complete	Labor type	Has Prior PA Grant?	Applicant Priority
424654	В		Above ground 4" water transmission line from intake to Water Treatment Plant damaged by fire, installed 700 lineal feet of 4" HDPE above ground temporary piping to restore water service.	[165138] Emergency Protective Measures District Wide	Empire Grade Road		Felton	CA		37.0485	-122.0881	Fire	\$8,500.00	100	Force Account and Contract	No	Urgent
424655	A		Burned multiple trunk Redwood tree (1) removal, Large redwood tree with three trunks, threating historic lime kiln intake structure, remove and chip brush.	[165086] Debris Removal District Wide 100% Complete.	Empire Grade Road		Felton	CA		37.0485	-122.0881	Fire	\$25,000.00	100	Contract	No	Urgent
424656	F		Replace temporary piping and install underground to AWWA/District Standards approximately 1500 lineal Feet	[165262] Bennet Spring Supply Damages	Empire Grade Road		Felton	CA		37.0515	-122.0957	Fire	\$400,000.00	0	Contract	No	Medium
424657	В	South Zone Distribution Piping	4,000 lineal feet of 2" HDPE water distribution system piping and 26 water meters destroyed by fire, installed 4,000 lineal feet temporary above ground piping and 26 water services along Forest and Western aver, requires plans and specifications for bidding.	[165138] Emergency Protective Measures District Wide	Forrest Ave, Western Ave		Brookdale	CA		37.1036	-122.112	Fire	\$50,000.00	100	Force Account	Yes	Urgent
424658	F	South Zone Distribution Piping	Replace 4,000 LF temporary water distribution piping, 26 water services and meters and install underground to AWWA/District standards along Forest and Western Ave.	[165293] South Zone Distribution Damages	Forrest Ave, Western Ave		Brookdale	CA		37.1036	-122.112	Fire	\$600,000.00	0	Contract	Yes	Medium

Damage #	Category	Name	Description	Project	Address 1	Address 2	City	State	Zip	Lat	Long	Primary Cause of Damage	Approx. Cost	% Work Complete	Labor type	Has Prior PA Grant?	Applicant Priority
424659	В	Alta Via Distribution System Piping	5,000 lineal feet of 4" and 6" pipe destroyed by fire including 38 water meter service sets, and 3 fire hydrants. installed temporary water main and water service sets along roadway above grade.	[165138] Emergency Protective Measures District Wide	Alta Via Road		Brookdale	CA		37.1071	-122.1134	Fire	\$35,000.00	100	Force Account and Contract	Yes	Urgent
424660	F	Alta Via Distribution System Piping	Replace 5,000 LF temporary with permanent piping to AWWA/District standards in roadway, including 38 water meter service sets and 6 fire hydrants. Requires plans & Specifications for bidding.	[165261] Alta Via Distribution System Piping	Alta Via Road		Brookdale	CA		37.1071	-122.1134	Fire	\$800,000.00	0	Contract	No	High
424661	F	Eckley Tank	7,500 gallon HDPE water tank experience heat damage and SCADA equipment was destroyed from the fire. Replaced 7,500 gallon HDPE Water tank, and SCADA control performed water quality VOC Sampling.	[165281] Eckley Facilities Damages	End of Eckley Road		Boulder Creek	CA		37.1358	-122.1367	Fire	\$25,000.00	75	Force Account	No	Urgent
424662	В	Eckley Distribution Mainline	750 lineal feet of 2" cross country mainline and water services destroyed by fire, installed 750 LF of 2" HDPE and water services.	[165138] Emergency Protective Measures District Wide	Eckley Road		Boulder Creek	CA		37.1362	-122.1372	Fire	\$150,000.00	100	Contract	No	Urgent
424663	F	Eckley Distribution Mainline	Replace 750 lineal feet of temp piping with permanent piping in roadway to AWWA/District Standards, including 9 water services and 2 fire hydrants, Engineering, plans & specifications.	[165281] Eckley Facilities Damages	Eckley Road		Boulder Creek	CA		37.1362	-122.1372	Fire	\$425,000.00	0	Contract	No	Medium

Damage #	Category	Name	Description	Project	Address 1	Address 2	City	State	Zip	Lat	Long	Primary Cause of Damage	Approx. Cost	% Work Complete	Labor type	Has Prior PA Grant?	Applicant Priority
424664	В	Eckley Pumping Station	Pumping Station Destroyed by fire. Installed temporary pumping station, SCADA control, communications wire, and PG&E power drop, generator operations due to no power.	[165138] Emergency Protective Measures District Wide	Eckley Road		Boulder Creek			37.1362	-122.1372	Fire	\$75,000.00	100	Force Account and Contract	No	High
424665	F	Eckley Pumping Station	Replace pumping station, power drop, SCADA control, Communications wire. Including engineering plans and specifications.	[165281] Eckley Facilities Damages	Eckley Road		Boulder Creek	CA	95006	37.1362	-122.1372	Fire	\$145,000.00	0	Contract	No	High
424666	F	Riverside Grove Booster	Fire damaged pump station building roof & painting. Replace shingle Roofing, exterior paint	[165291] Riverside Grove Damages	Redwood Drive		Boulder Creek	CA		37.1744	-122.1439	Fire	\$10,000.00	0	Contract	No	Medium
424667	Α	Blackstone Tanks	2 - 10,000 gallon HDPE water tanks, SCADA control, and solar equipment. Removed tanks and damaged equipment	[165086] Debris Removal District Wide 100% Complete.	End of Blackstone Terrace		Boulder Creek	CA		37.129	-122.1279	Fire	\$5,000.00	100	Force Account and Contract	No	Urgent
424668	F	Blackstone Tanks	Replace two -10,000 gallon HDPE tanks, craned in placed, temporary SCADA control and solar charger.	[165276] Blackstone Piping Damages						37.129	-122.1279	Fire	\$45,000.00	100	Force Account	No	Urgent
424669	F	Blackstone Tanks	Replace SCADA Control, solar equipment on tank.	[165276] Blackstone Piping Damages						37.129	-122.1279	Fire	\$12,000.00	100	Force Account	No	High
424670	В	Blackstone Piping	150 LF 6" main destroyed by fire supplying water to tanks.	[165138] Emergency Protective Measures District Wide	End of Blackstone Terrace		Boulder Creek	CA		37.1271	-122.1274	Fire	\$3,000.00	100	Force Account	No	Urgent
424671	F	Blackstone Piping	Replace 150 LF temporary main, to AWWA/district standards.	[165276] Blackstone Piping Damages	End of Blackstone Terrace		boulder creek	CA		37.1271	-122.1274	Fire	\$4,500.00	0	Contract	No	Medium

Damage #	Category	Name	Description	Project	Address 1	Address 2	City	State	Zip	Lat	Long	Primary Cause of Damage	Approx. Cost	% Work Complete	Labor type	Has Prior PA Grant?	Applicant Priority
424672	В	Lyon Tank	Heat smoke possible contamination to interior tank coatings. Pressure wash interior of tank, water quality sampling, install temporary tanks and piping. Fill Tank, resample for determined if recoating is required.	[165138] Emergency Protective Measures District Wide	395 Madrone Drive		Boulder Creek	CA		37.1266	-122.1361	Fire	\$125,000.00	100	Force Account and Contract	No	Urgent
424673	F	Lyon Tank	Fill tank, water quality testing, recoating of interior of tank due to contamination. Piping replacement	[165286] Lyon Facilities Damages	395 Madrone Drive		Boulder Creek	CA		37.1266	-122.1361	Fire	\$750,000.00	0	Force Account and Contract	No	Urgent
424674	A	Little Lyon Tank	Heat , smoke contamination of interior coatings, Tree removal.	[165086] Debris Removal District Wide 100% Complete.	395 Madrone Drive		Boulder Creek	CA		37.1271	-122.136	Fire	\$175,000.00	100	Contract	No	Urgent
424675	В	Little Lyon Tank	Install temporary water tanks and temporary piping, extends to Paone Drive, and SCADA control.	[165138] Emergency Protective Measures District Wide	395 Madrone Drive		Boulder Creek	CA		37.1271	-122.136	Fire	\$45,000.00	100	Force Account	No	Urgent
424676	F	Little Lyon Tank	recoating of interior of tank due to contamination. Fill tank, water quality testing, Replace temporary piping.	[165286] Lyon Facilities Damages	395 Madrone Drive		Boulder Creek	CA		37.1271	-122.136	Fire	\$450,000.00	0	Contract	No	Urgent
424677	A	Lyon WTP Accessory Building	Container building destroyed by fire, including contents pumps, motors, Disposal of building & Disposal of building & Disposal of Building	[165086] Debris Removal District Wide 100% Complete.	395 Madrone Drive		Boulder Creek	CA		37.1268	-122.1364	Fire	\$30,000.00	100	Contract	No	Urgent
424678	F	Lyon WTP Accessory Building	Replace Building Container and equipment, replaced burned flyght pump, water quality sampling stations, and lawn mowers.	[165286] Lyon Facilities Damages	395 Madrone Drive		Boulder Creek	CA		37.1268	-122.1364	Fire	\$75,000.00	0	Contract	No	Medium

Damage #	Category	Name	Description	Project	Address 1	Address 2	City	State	Zip	Lat	Long	Primary Cause of Damage	Approx. Cost	% Work Complete	Labor type	Has Prior PA Grant?	Applicant Priority
424679	А	Lyon Water Treatment Plant	Heat, smoke, possible contamination, tree removal, erosion control.	[165086] Debris Removal District Wide 100% Complete.	395 Madrone Drive		Boulder Creek	CA		37.1267	-122.1367	Fire	\$175,000.00	100	Contract	No	Urgent
424680	В	Lyon Water Treatment Plant	erosion control, temporary communications wiring	[165138] Emergency Protective Measures District Wide	395 Madrone Drive		Boulder Creek	CA		37.1267	-122.1367	Fire	\$60,000.00	0	Contract	No	Urgent
424681	F	Lyon Water Treatment Plant	Replace communications wiring, SCADA, Internet conduits between facilities	[165286] Lyon Facilities Damages	395 Madrone Drive		Boulder Creek	CA		37.1267	-122.1367	Fire	\$175,000.00	30	Force Account and Contract	No	Urgent
424682	A	Big Steel Tank	Heat Smoke contamination, tree removal and erosion control	[165086] Debris Removal District Wide 100% Complete.	395 Madrone Drive		Boulder Creek	CA		37.1275	-122.1351	Fire	\$275,000.00	100	Contract	No	Urgent
424683	В	Big Steel Tank	installed temporary piping, cleaned interior tank pressure washing, replaced main line tank valves and piping erosion control	[165138] Emergency Protective Measures District Wide	395 Madrone Drive		Boulder Creek	CA		37.1275	-122.1351	Fire	\$275,000.00	100	Contract	No	Urgent
424684	С	Big Steel Tank	Asphalt access road damaged by fire, 4,500 Sq. Feet by 2" thick. Remove damage asphalt and replace damage asphalt with new. 4500 X \$6.50Sq Ft	[166117] Big Steel Tank Access Rd	365 Madrone Drive		Boulder Creek	CA	95006	37.1275	-122.1351	Fire	\$29,250.00	0	Contract	No	Medium
424685	F	Big Steel Tank Piping.	Replace temporary 8" HDPE water main in accordance AWWA/District Standards, relocate to public right of way.	[165273] Big Steel Facility Damages						37.1276	-122.1347	Fire	\$700,000.00	0	Contract	No	Urgent

Damage #	Category	Name	Description	Project	Address 1	Address 2	City	State	Zip	Lat	Long	Primary Cause of Damage	Approx. Cost	% Work Complete	Labor type	Has Prior PA Grant?	Applicant Priority
424686	F		elevated tank deck and 500 gallon HDPE tank destroyed by fire. Replaced HDPE Tank and redwood decking.	[165259] Alder Tank Damages	End of Alder Street		Boulder Creek	CA	95006	37.1558	-122.1377	Fire	\$25,000.00	100	Force Account	No	Medium
424687	A	Creek Diversion Access Road	5 hazardous trees damaged by fire hanging over road way creating a hazard requiring removal. Brush chipping. Several fire damaged trees down across access road require removal, brush chipping. Register Professional Forester tree inspection.		Private Road off Acom Drive		Boulder Creek	CA	95006	37.1323	-122.1508	Fire	\$25,000.00	100	Contract	No	Urgent
424688	F	Creek Diversion and 8,000 lineal feet of 8" supply line	Fire destroyed 8,000 LF of 8" HDPE above ground raw water pipeline and support structures, intake and flow/metering monitoring equipment. Replace pipeline, monitoring equipment constructability study Harding for future fire.	[165288] Peavine Creek Damages			Boulder Creek	CA		37.1326	-122.1495	Fire	\$1,700,000.00	0	Contract	Yes	High
424689	A	Creek Diversion and 3,400 lineal feet of 12"	Fire destroyed 3,400 lineal feet of 12 HDPE pipeline and support structure. burned intake structure. Removed damaged trees.	[165086] Debris Removal District Wide 100% Complete.	End of Boulder Brook Drive		Boulder Creek	CA		37.1251	-122.1419	Fire	\$120,000.00	100	Contract	Yes	Urgent
424690	В	Diversion and	Install temporary piping, support structure, replaced roof on intake structure to place intake back on line	[165138] Emergency Protective Measures District Wide	End of Boulder Brook Drive		Boulder Creek	CA		37.1251	-122.1419	Fire	\$450,000.00	100	Contract	Yes	High

Damage #	Category	Name	Description	Project	Address 1	Address 2	City	State	Zip	Lat	Long	Primary Cause of Damage	Approx. Cost	% Work Complete	Labor type	Has Prior PA Grant?	Priority
424691		& Turbidity	Fire destroyed concrete box and turbidity station building, and power conduit from station to Water Treatment Plant 3'400 lineal feet, security system also destroyed multiple automatic control valves and SCADA equipment. Removed hazardous contamination EPA ID CAC003093413 and concrete structure, fire cleanup, in riparian corridor.	[165086] Debris Removal District Wide 100% Complete.	End of Boulder Brook Drive		Boulder Creek	CA		37.1285	-122.1398	Fire	\$145,000.00	100	Contract	No	Urgent
424692	F	& Turbidity	Replace Turbidity station building and settling chamber, replace turbidity, SCADA equipment and automatic valves.	[165090] Debris Removal District Wide	End of Boulder Brook Drive		Boulder Creek	CA		37.1285	-122.1398	Fire	\$250,000.00	0	Contract	No	High
424693	F	Creek Diversion and 1.5 MI 8" supply line	Fire damaged intake structure and destroyed 1.5 MI of 8" HDPE pipeline and metering and monitoring equipment, replace supply line, constructability study Harding for future fire.	[165294] Sweet Water Creek Diversion Damages	Ben Lomond		Ben Lomond	CA		37.0986	-122.1277	Fire	\$1,700,000.00	0	Contract	Yes	High

Damage #	Category	Name	Description	Project	Address 1	Address 2	City	State	Zip	Lat	Long	Primary Cause of Damage	Approx. Cost	% Work Complete		Has Prior PA Grant?	Applicant Priority
424694	F	Clear Creek Diversion (3)	5 Mile Pipeline, Clear Creek Diversion (3) and 5.5 miles of supply line: Fire damaged intake structure and destroyed 5.5 MI of 8" HDPE pipeline and metering and monitoring equipment. replace supply line, constructability study Harding for future fire. Five Mile Box & Damping Turbidity Station: Replace Turbidity station building and settling chamber, replace turbidity, SCADA equipment and automatic valves.	[165284] Five Mile Damages	Ben Lomond, Boulder Creek		Boulder Creek, Ben Lomond	CA		37.107	-122.1309	Fire	\$6,750,000.00	0	Contract	No	High
424695	F	Pine Tank	30 LF 2" HDPE damaged by Cal Fire Dozer	[165289] Pine Tank Damages	Pine Drive		Felton	CA		37.0384	-122.0888	Fire	\$2,500.00	100	Force Account	No	Urgent
424696	F	Bennett Spring Box	Fire Damage to wood roof	[165262] Bennet Spring Supply Damages	Empire Grade Road		Felton	CA		37.0515	-122.0957	Fire	\$2,500.00	0	Force Account	No	High

Damage #	Category	Name	Description	Project	Address 1	Address 2	City	State	Zip	Lat	Long	Primary Cause of Damage	Approx. Cost	% Work Complete	Labor type	Has Prior PA Grant?	Applicant Priority
424697	В		Contaminated water distribution system, fire impacted areas put on a Do Not Drink/Boil order, requiring water quality sampling, main line flushing, Changeable Message Signs used to notice residence, house to house noticing as required by State Resources Control Board. Volatile Organic Chemical Sampling. Mainline samples 279, service laterals 81, ongoing 11, source water 4, total to date 375 samples. additional sampling Bacteriological 71, Generals Physical 67, Nitrate 61, Title 22 metals 4.	[165138] Emergency Protective Measures District Wide	District wide distribution sampling		Boulder Creek	CA		37.1253	-122.1223	Fire	\$200,000.00	75	Force Account and Contract	No	Urgent
424698	F	Water Quality Sampling	Due to contamination, Department Water Resource required Continual sampling through 2022 for VOC's.	[165295] Water Quality Sampling	District wide distribution sampling		Boulder Creek	CA		37.1253	-122.1223	Fire	\$50,000.00	5	Force Account and Contract	No	High
424699	A	Services & Water Meter Replacement	Water meters approximately 150 damaged/contamination. Removed meters, concrete boxes and service lines back to the mainline.	[165090] Debris Removal District Wide	13060 Highway 9		Boulder Creek	CA		37.73	-122.73	Fire	\$180,000.00	100	Force Account	No	Urgent
424700	F	Services & Water Meter Replacement	Replace 150 water meters, meter valves, house valve, meter check coupling, and service lines.	[165292] Services and Water Meter Damages	Various areas of the District		Boulder Creek	CA		37.73	-122.73	Fire	\$225,000.00	0	Contract	No	High
424701	В	Harmon Street 2"	1,000 LF 2" pipeline destroyed by fire, ran 1,000 LF temporary piping above ground to restore water service	[165138] Emergency Protective Measures District Wide	Harmon Street		Boulder Creek	CA		37.1216	-122.1226	Fire	\$5,000.00	100	Force Account	Yes	Urgent

Damage #	Category	Name	Description	Project	Address 1	Address 2	City	State	Zip	Lat	Long	Primary Cause of Damage	Approx. Cost	% Work Complete	Labor type	Has Prior PA Grant?	Applicant Priority
424702	F	Harmon Street 2"	Replace 1,000 LF temporary piping in accordance AWWA/District Standards	[165285] Harmon Damages	Harmon Street		Boulder Creek	CA		37.1216	-122.1226	Fire	\$85,000.00	0	Contract	Yes	High
424703	A	Big Steel Booster	discharge piping and electrical main feed, Communications and SCADA damage emergency tree removal,	[165086] Debris Removal District Wide 100% Complete.	395 Madrone Drive		Boulder Creek	CA		37.1276	-122.1352	Fire	\$275,000.00	100	Contract	No	Urgent
424704	В	Big Steel Booster	Emergency generator, modified pump station plumbing, temporary piping to restore operations.	[165138] Emergency Protective Measures District Wide	395 Madrone Drive		Boulder Creek	CA		37.1276	-122.1352	Fire	\$110,000.00	100	Force Account	No	Urgent
424705	F	Big Steel Booster	Replace electrical, replace damaged piping, and SCADA controls and communications	[165273] Big Steel Facility Damages	395 Madrone Drive		Boulder Creek	CA		37.1276	-122.1352	Fire	\$175,000.00	0	Contract	No	Urgent
424706	A	Big Steel Zone Piping	10", 8", and 12" piping and fittings destroyed, Damaged Tree Removal, brush chipping	[165086] Debris Removal District Wide 100% Complete.			Boulder Creek	CA		37.1276	-122.1347	Fire	\$295,000.00	100	Contract	No	Urgent
424707	В	Big Steel Zone Piping	install temporary piping to restore water service to distribution system from Highway 236 to Big Steel Tank cross- Country., pressure wash water tank. Water Quality sampling	[165138] Emergency Protective Measures District Wide	395 Madrone Drive		Boulder Creek	CA		37.1276	-122.1347	Fire	\$475,000.00	100	Contract	No	Urgent
424708	F	Big Steel Zone Piping	Replace 10", and 12" piping and fittings that were destroyed, Replaced to AWWA/District Standards.	[165273] Big Steel Facility Damages						37.1276	-122.1347	Fire	\$575,000.00	100	Contract	No	High
424709	F	Cool Creek Intake & Piping	Intake and piping destroyed. Replace intake and piping.	[165278] Cool Creek Damages	Boulder Brook Drive, end of road		Boulder Creek	CA		37.1285	-122.1398	Fire	\$25,000.00	0	Force Account	Yes	Medium

Damage #	Category	Name	Description	Project	Address 1	Address 2	City	State	Zip	Lat	Long	Primary Cause of Damage	Approx. Cost	% Work Complete	Labor type	Has Prior PA Grant?	Applicant Priority
424710	A	Harmon Creek Debris Removal	Remove debris from Creek, choke point in creek	[165086] Debris Removal District Wide 100% Complete.	End of Harmon Street		Boulder Creek	CA		37.1205	-122.1271	Fire	\$40,000.00	100	Force Account and Contract	No	Urgent
424711	В	CZU Emergency Engineering Services	Engineering Emergency repairs	[165138] Emergency Protective Measures District Wide	Boulder Creek		Bouilder Creek	CA		37.73	-122.73	Fire	\$175,000.00	90	Contract	No	Urgent
424712	В	Emergency Response Main Breaks	Respond to various main leaks	[165138] Emergency Protective Measures District Wide	Boulder Creek		Boulder Creek	CA		37.73	-122.73	Fire	\$30,000.00	100	Force Account	No	Urgent
424713	F	Well Water Power Costs	Alternitive Water power costs	[165297] Well water Power Cost	Ben Lomond		Ben Lomond	CA		37.0693	-122.0519	Fire	\$175,000.00	5	Contract	No	Urgent
424714	В	Meals	Staff Meals During Fire	[165138] Emergency Protective Measures District Wide	Kirby Strre/Operations Center		Felton/Boulder Creek	CA		37.0495	-122.0784	Fire	\$35,000.00	100	Contract	No	Urgent
454032	В	Emergency Protective Measures (100% Federal Funding)	Emergency Protective Measures related to the DI's listed below during the 100% federal funding time period. Damage inventory line items: 424664, 424690, 424654, 424657, 424659, 424662, 424670, 424672, 424675, 424680, 424683, 424697, 424701, 424704, 424707, 424711, 424712 and 424714.	[180766] Emergency Protective Measures (100% federal funding)						37.73	-122.73	Fire	\$800,000.00	100	Force Account and Contract	Yes	High

60-Day Deadline 1/19/2021 **Signed By** Rogers, Richard **Signed On** 1/27/2021 7:23PM