

**MAINTENANCE DEPARTMENT
ACTIVITIES REPORT
FEBRUARY 8 – MAY 8, 2020**

Emergency

On Monday, February 24, 2020, a Crew repaired an emergency mainline leak on Upper Slate Creek Road. On Tuesday, March 17, 2020, a Crew performed an emergency service line repair on Ridge Road. On Saturday, April 25, 2020, a Crew responded to an emergency call out to remove a plug in the Combie Ophir 4 Canal. On Thursday, May 7, 2020, a Crew repaired an emergency mainline break in the Deer Park neighborhood. On Friday, May 8, 2020, a Crew responded to an emergency mainline brake caused by contractor excavation in the Lake Wildwood System.

General

On Monday, February 10, 2020, Maintenance crewmembers completed boater safety training. On Tuesday and Thursday, February 18 and 20, 2020, Maintenance staff participated in the CMMS fleet and facilities focus group meetings regarding workflow processes.

Construction

The Crew continued work on the Long Ravine Pipeline Replacement Project (PRP) – completing trenching, installation and paving of 3,510 feet of mainline, 38 hose bibs and 10 pressure reducing devices. The Crew plumbed the tie-ins for the pump building, the restaurant, camp host house, 3 restrooms and the RV dump station. The Crew also formed and poured a concrete entry, installed new internal and external siding, and set and plumbed the new pressure tank at the pump building. The Crew also began construction on the Lidster-Cypress Hill (PRP) – potholing for gas and sewer utilities and hauling material and equipment to project staging. The Crew has installed 530-feet of new mainline, 5 saddle and corps service connections and one tee at the Barby and Lidster intersection intertie. The Crew performed snow removal and patrol during the winter snowstorm; replaced a drain valve at Snow Mountain Tanks; and installed new wheels on the sludge rake in the sedimentation basin at the E. George Treatment Plant.

Facilities

The Crew performed routine maintenance and landscaping at Headquarters, treatment plants and tank sites – including monthly inspection of ladders, eyewash stations and fire extinguishers. The Crew also worked on the Long Ravine PRP – installing, forming and pouring concrete for 24 hose bibs, 14 pressure reducing devices, 2 mainline valve and 6 air release valves. The Crew also worked on installation and painting of the pump building ceiling and siding. The Crew worked on the Scotts Flat Ditch Tender House – texturing and painting walls, and installing new flooring, doors, fixtures and trim. The Crew also painted interior walls in the Maintenance building, repaired a leak above the Managers Conference Room, performed snow removal and patrol during the winter snowstorm, and removed hazard trees at the E. George Treatment Plan.

Service

The Crew worked on the Long Ravine PRP – trenching 760 feet for electrical and service lines, installing 550-feet of service line, 180-feet of service line, a tie-in for a restroom, and removing deteriorated hose bibs. The Crew also completed installation of the Locksley Intertie hotbox. The Crew also pressured washing a Shale Ridge Tank and LWW Clearwell Tank A; cleaned the Loma Rica Treatment Plant flocculants basin and replaced chamber door hardware. The Crew also repaired and replaced meters, endpoints, service lines, fire hydrants, mainlines, and completed patch paving throughout the E. George, Loma Rica, Lake Wildwood, and Lake of the Pines. The Crew also completed numerous USA locating requests.

Placer

The Crew performed replacement construction of the Lone Star Spill 3 structure, and encasement of a portion of the St. Patricks Canal and Rock Creek Bypass. The Crew also performed annual cleaning and season canal maintenance including leak repairs, brush cutting, tree removal, debris removal, trash rack cleaning, mucking, spill repairs, gate valve replacements, culvert replacement, shotcreting, encasement, and water box installation. The Placer Crew also repaired and replaced meters in the Lake of the Pines and North Auburn Systems; and winter storm preparation, patrolling and repairs.

Canal

The Crew completed encasement of a portion of the Chicago Park West Canal. The Crew also completed replacement of culverts on the Tarr Canal. The Crew also performed cleaning and canal maintenance including leak repairs, brush cutting, tree removal, debris removal, trash rack cleaning, mucking, spill repairs, berm repair, berm armoring and berm leveling. The Crew also performed Tarr and Rex Canal access maintenance. The Crew also performed winter storm preparation, patrolling, repairs, and access snow plowing. In addition, the Crew assisted with removal of log-booms at the Lower Scotts Reservoir to facilitate a dive inspection; and assisted with removal of mercury extraction equipment from the Combie site.

South Yuba

The Crew has continued to work with PG&E gathering and documenting institutional knowledge and information in efforts for a smooth transfer of ownership. The Crew has continued to collecting valuable information regarding tools, equipment, and maintenance processes. The Crew continues to perform patrol and inspection of the South Yuba Canal and monitoring of erosion concern locations. The Crew participated in the annual outage – performing the pre-outage walk-down for material order preparation, preparing material loads for helicopter transport, replacing girders, bracing, bench caps, mid span posts, post and knees. The Crew also prepared documented access information assist the contracted SYC evaluation effort. The Crew also assisted with the Lone Star Spill replacement, culvert installations on the Tarr, and fencing project for the Watershed Program

Vegetation

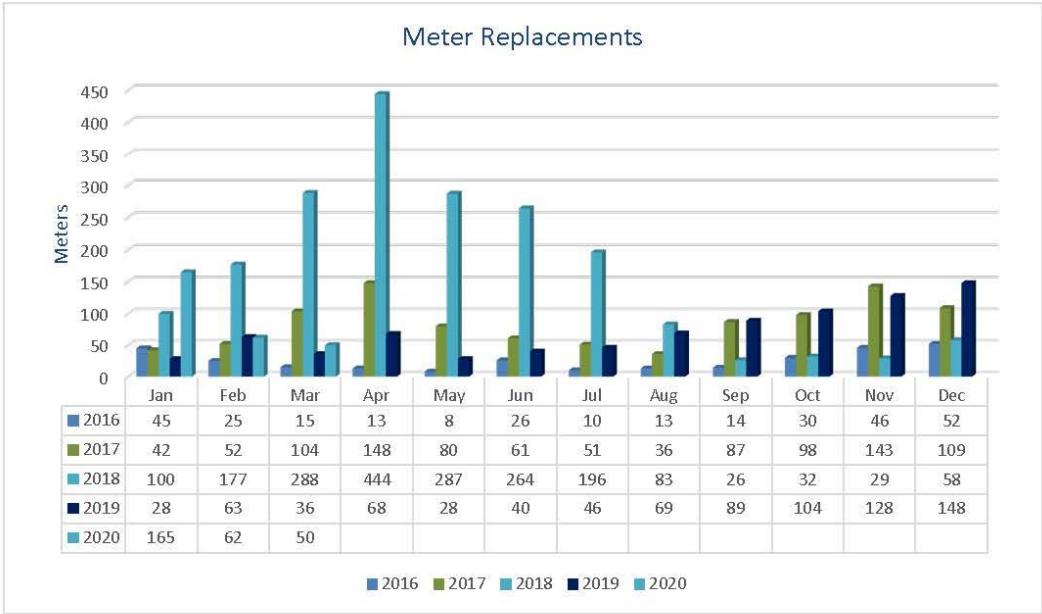
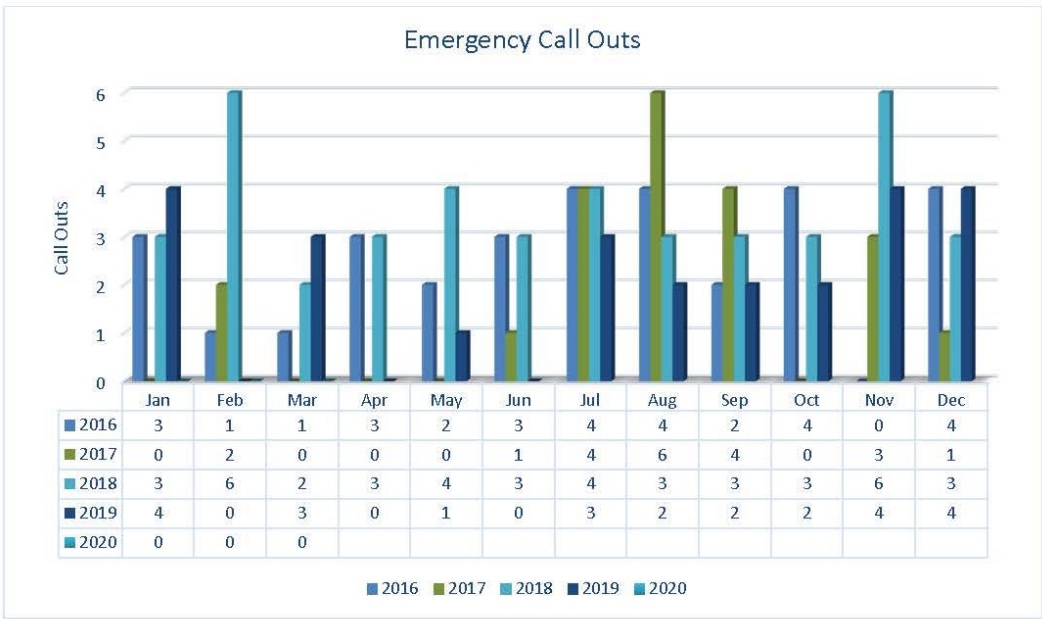
The Crew completed advisor and applicator continuing education courses, performed terrestrial and aquatic weed control applications, equipment maintenance, regulatory reporting, winter storm patrolling, and brush cutting. The Crew completed Phase 3 Study applications and monitoring. The Crew also welcomed Jason Carroll as the new Assistant Maintenance Superintendent – Vegetation.

Fleet

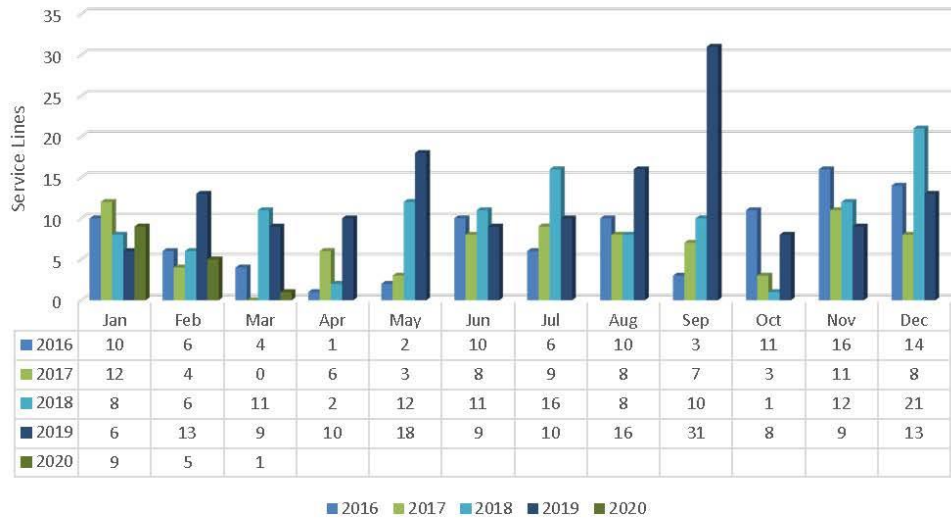
The Mechanic Shop performed 106 truck/vehicle services, 7 vehicle retrofits, 41 equipment services, and 38 regulatory required inspections. In addition, the Mechanic Shop continues to play a key role in the District efforts to ensure reliable water service in the event of PG&E PSPS events. The Mechanic Shop staff continues to perform field visits to maintenance and prepare backup generators that power the District water systems.

**MAINTENANCE DEPARTMENT
ACTIVITIES SUMMARY OF SELECT "ROUTINE" WORK
02/08/20 – 03/06/20**

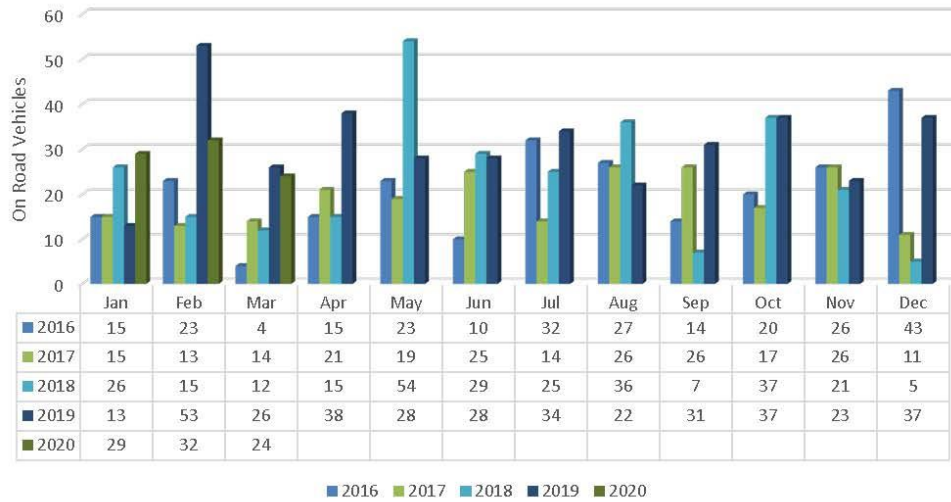
CATEGORY / TASK DESCRIPTION	TOTAL #
TREATED WATER	
"EMERGENCY" CALL OUTS – SERVICE LINES / WATER MAINS / HYDRANTS	0
HYDRANTS – NEW / REPLACED / REPAIRED	2
METERS – NEW / REPLACED / REMOVED	50
METERS – REPAIRED / GATE VALVES	4
SERVICE LINES – NEW / REPLACED	1
VALVES – ARV, BLOWOFF, INLINE, DCVA, ETC.	15
WATER MAINS – REPAIRED / REPLACED	1
RAW WATER	
CANALS / BERMS – LEAKS AND REPAIRS	14
CANALS – CLEANED	2
CULVERTS – NEW / REPLACED / REMOVED	1
RAW WATER BOXES – NEW / REPLACED / MOVED / REMOVED	10
TREES – REMOVED	7
ACCESS ROADS – MAINTAINED	0
FLEET	
TRUCKS/VEHICLES – SERVICE / PREVENTATIVE MAINTENANCE	24
TRUCKS/VEHICLES – DAMAGE REPAIRS	1
TRUCKS/VEHICLES – RETROFITS	0
EQUIPMENT – SERVICE / PREVENTATIVE MAINTENANCE	6
EQUIPMENT – DAMAGE REPAIRS	1
EQUIPMENT – RETROFITS	0



Service Line Replacements



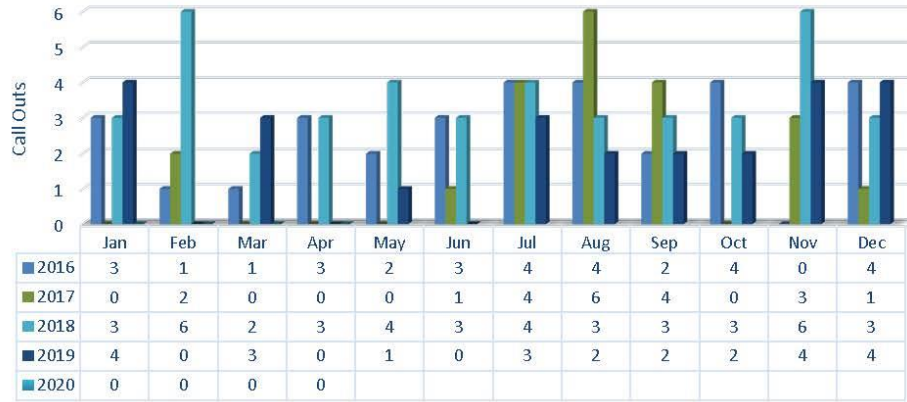
On-Road Vehicle Service/Repairs



**MAINTENANCE DEPARTMENT
ACTIVITIES SUMMARY OF SELECT "ROUTINE" WORK
03/07/20 – 04/10/20**

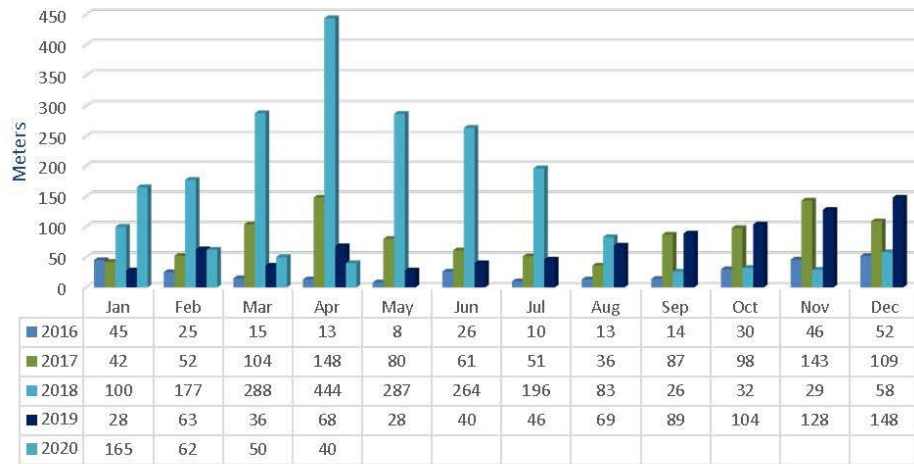
CATEGORY / TASK DESCRIPTION	TOTAL #
TREATED WATER	
"EMERGENCY" CALL OUTS – SERVICE LINES / WATER MAINS / HYDRANTS	0
HYDRANTS – NEW / REPLACED / REPAIRED	1
METERS – NEW / REPLACED / REMOVED	40
METERS – REPAIRED / GATE VALVES	9
SERVICE LINES – NEW / REPLACED	13
VALVES – ARV, BLOWOFF, INLINE, DCVA, ETC.	25
WATER MAINS – REPAIRED / REPLACED	1
RAW WATER	
CANALS / BERMS – LEAKS AND REPAIRS	5
CANALS – CLEANED	3
CULVERTS – NEW / REPLACED / REMOVED	3
RAW WATER BOXES – NEW / REPLACED / MOVED / REMOVED	19
TREES – REMOVED	11
ACCESS ROADS – MAINTAINED	1
FLEET	
TRUCKS/VEHICLES – SERVICE / PREVENTATIVE MAINTENANCE	36
TRUCKS/VEHICLES – DAMAGE REPAIRS	0
TRUCKS/VEHICLES – RETROFITS	5
EQUIPMENT – SERVICE / PREVENTATIVE MAINTENANCE	19
EQUIPMENT – DAMAGE REPAIRS	0
EQUIPMENT – RETROFITS	0

Emergency Call Outs



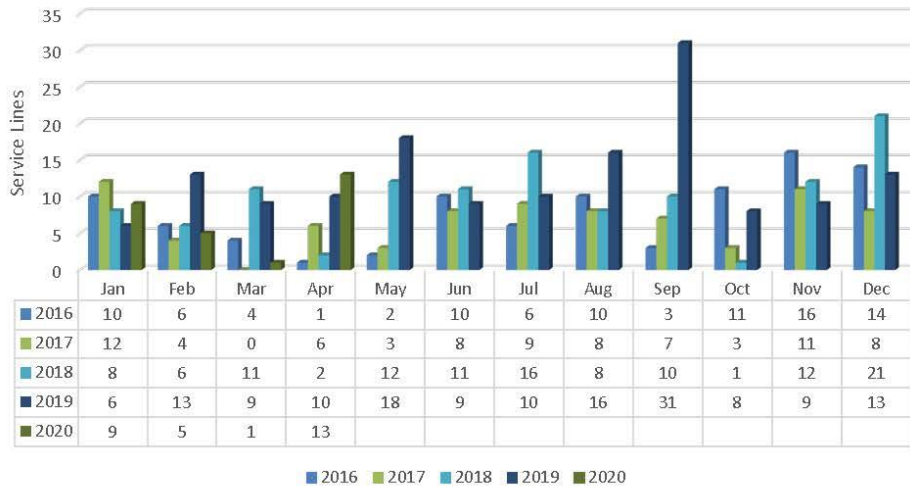
■ 2016 ■ 2017 ■ 2018 ■ 2019 ■ 2020

Meter Replacements



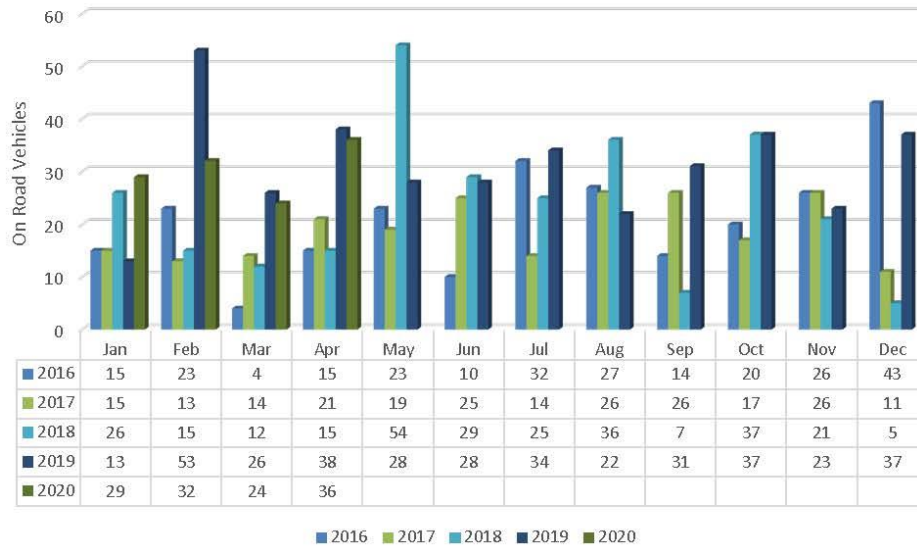
■ 2016 ■ 2017 ■ 2018 ■ 2019 ■ 2020

Service Line Replacements



2016 2017 2018 2019 2020

On-Road Vehicle Service/Repairs



2016 2017 2018 2019 2020

**MAINTENANCE DEPARTMENT
ACTIVITIES SUMMARY OF SELECT "ROUTINE" WORK
04/11/20 – 05/08/20**

CATEGORY / TASK DESCRIPTION	TOTAL #
TREATED WATER	
"EMERGENCY" CALL OUTS – SERVICE LINES / WATER MAINS / HYDRANTS	1
HYDRANTS – NEW / REPLACED / REPAIRED	2
METERS – NEW / REPLACED / REMOVED	20
METERS – REPAIRED / GATE VALVES	5
SERVICE LINES – NEW / REPLACED	3
VALVES – ARV, BLOWOFF, INLINE, DCVA, ETC.	5
WATER MAINS – REPAIRED / REPLACED	2
RAW WATER	
CANALS / BERMS – LEAKS AND REPAIRS	24
CANALS – CLEANED	1
CULVERTS – NEW / REPLACED / REMOVED	1
RAW WATER BOXES – NEW / REPLACED / MOVED / REMOVED	3
TREES – REMOVED	7
ACCESS ROADS – MAINTAINED	2
FLEET	
TRUCKS/VEHICLES – SERVICE / PREVENTATIVE MAINTENANCE	46
TRUCKS/VEHICLES – DAMAGE REPAIRS	0
TRUCKS/VEHICLES – RETROFITS	2
EQUIPMENT – SERVICE / PREVENTATIVE MAINTENANCE	16
EQUIPMENT – DAMAGE REPAIRS	0
EQUIPMENT – RETROFITS	0

