

LAKE ARROWHEAD COMMUNITY SERVICES DISTRICT

MEMORANDUM

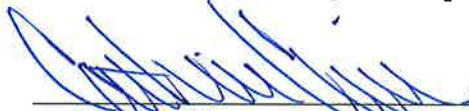
DATE: JANUARY 28, 2020

TO: BOARD OF DIRECTORS
Lake Arrowhead Community Services District

FROM:



MIKE BLACKWOOD, Field Operations Manager



CATHERINE CERRI, General Manager

SUBJECT: FIELD OPERATIONS 2019 4th QUARTER REPORT

A. RECOMMENDATION

This is an informational item.

B. REASON FOR RECOMMENDATION

This is an informational item.

C. BACKGROUND INFORMATION

This report is to give a 2019 4th quarter status update of current infrastructure maintenance activities in the Field Operations Department.

D. FISCAL IMPACT

This is an informational item.

E. ENVIRONMENTAL IMPACT

This is an information item only and does not qualify as a project under the California Environmental Quality Act (CEQA).

F. ATTACHMENTS

- 2019 4th Quarter Field Operations Water Report
- 2019 4th Quarter Water Leak Information
- 2019 4th Quarter Field Operations Wastewater Report

FIELD OPERATIONS-WATER REPORT

QUARTERLY

YEAR:

2019

Field Operations - Water

ITEM	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.
SERVICE INSTALL POTABLE	3	6	1	6
SERVICE INSTALL FIRE	2	6	1	5
SERVICE LINE REPLACE	3	8	11	3
LEAK REPAIR SERVICE	10	21	32	10
LEAK REPAIR MAIN	5	4	2	3
HYDRANT REPLACE	0	1	1	1
HYDRANT REPAIR	1	0	0	1
VALVE REPLACE	0	0	0	0
VALVE CAN REPAIR	0	0	0	1
LEAK DETECTION	57101'	18253'	16799'	59168'
HYDRANT MAINTENANCE	50	100	64	86
VALVES EXERCISED	138	293	195	198
FLOW TEST PERFORMED	3	5	4	2
CURB STOP REPLACED	9	18	10	17
METER CHANGE OUT	3	3	4	5
METER MOVE	3	3	3	2
METER BOX REPAIR/REPLACE	2	6	3	2
FLUSHING	40	98	94	112
BALLARD, POST, POLE INSTALL/REPLACE	0	0	1	7
PATCHES PERMANENTLY PAVED	2	11	12	11

Service Order Work

ITEM	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.
DIG ALERT MARKINGS	128	376	859	454
TURN ON/OFF METER	340	232	198	203
CHECK FOR LEAK	43	36	36	19
GET METER READING	240	188	183	176
CHECK PSI/NO WATER CALL	43	19	15	14
DIRTY WATER CALL	2	5	12	7
INSTALL/REMOVE HYDRANT METER	0	0	0	0
C.S.O.V. CHECK	5	4	1	0
MEET WITH CUSTOMER	2	4	7	2
LEAK METER BOX	47	22	28	22
DOOR TAGS	88	122	80	86

Water Use/Loss in Gallons

TYPE	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.
LEAKS	392,427	109,749	271,843	59,052
DISTRIBUTION/S.O./FLUSHING	68,963	73,142	113,914	46,184
FLOW TEST	3,467	2,209	4,872	3,390

2019 4th Quarter Water Leaks

Date	Address/Location	Service Type	Hydrant related leak	Main Type	Size	Estimated Gallons
10/7/19	1270 Innsbruck Dr.	Steel			1	7,480
10/8/19	27348 Alpen Dr.	Steel			1	1,246
10/23/19	28536 Shenandoah Dr.	Steel			1	5,040
10/24/19	420 Rainier Dr.	Steel			1	500
10/24/19	363 Hemlock Dr.			Steel	2	1,662
10/28/19	332 John Muir Rd.	Steel			3/4	1,714
10/29/19	1283 Bear Springs Rd.	PE			3/4	3,740
11/21/19	143 Cumberland Dr.	Brass			3/4	200
12/5/19	26406 Apache Trail	Copper			1	16,848
12/9/19	27605 Peninsula Dr.		Steel		6	500
12/11/19	27400 Alpen Dr.		Steel		6	1,000
12/11/19	313 Auburn Dr.	Copper			1	3,200
12/12/19	256 Old Toll Rd.	PE			1	82

Wastewater Collection Report

QUARTERLY

YEAR: 2019

LINE CLEANING

	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	
VAC-CON	0'	1969'	1315'	3553'	
JET	11331'	34866'	12478'	10882'	
POWER RODDER	5315'	6920'	4221'	7881'	
BALLING/PIGGING	0'	0'	0'	10560'	
*Contractor	0'	0'	0'	0'	
Debris removed during cleaning	77	1,337	102	177	gallons

PIPELINE INHIBITORS

GREASE INHIBITOR	1065'	602'	1012'	1012'
ROOT FOAM INHIBITOR	0'	0'	0'	0'

PIPELINE REHABILITATION

C.I.P.P.	0'	0'	0'	0'
PIPE REPAIRS	1	9	10	4
NEW PIPE INSTALLATION	5'	82'	242'	19'
PIPE SLIP LINED	0'	0'	0'	0'

MANHOLE REHABILITATION

MANHOLE COATING	0	0	0	0
NEW MANHOLE INSTALLATION	1	3	4	0
MANHOLE REPAIR	0	6	4	1
MANHOLE COVER GRADE CHANGE	0	2	5	5
MANHOLES INSPECTED/SEALED	458	931	430	542

TV INSPECTION/I&I INSPECTION

TV INSPECTION	27508'	80540'	61823'	49706'
SMOKE TESTING	1500'	0'	0'	42919'
FOG Inspection	23	1	0	5
*Contractor	0'	0'	0'	0'

WATER USE

POTABLE	2,141	10,719	4,563	3,580	cu.ft.
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SSO/SPILLS

DISTRICT CATEGORY 1	2	0	0	0
DISTRICT CATEGORY 2	0	1	0	0
DISTRICT CATEGORY 3	4	0	4	0
PRIVATE	0	0	6	0
FLOODED HOME	3	0	0	0

SERVICE ORDER WORK

LATERAL INSPECTION	33	22	22	14
DYE TEST	18	14	13	22
ANTI-FLOOD INSPECTIONS	0	3	0	0
SADDLE	0	0	0	0
ODOR COMPLAINTS	0	2	6	1
SEWER ISSUE - PRIVATE	18	10	11	14
SEWER ISSUE - DISTRICT	12	2	6	2