

LAKE ARROWHEAD COMMUNITY SERVICES DISTRICT

MEMORANDUM

DATE: November 13, 2018

TO: **BOARD OF DIRECTORS**
Lake Arrowhead Community Services District

FROM: 
MIKE BLACKWOOD, Field Operations Manager


CATHERINE CERRI, General Manager

SUBJECT: **Field Operations Manager's 2018 3rd Quarter Report (July - September)**

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 2018 3rd quarter status update of current infrastructure maintenance activities in the Field Operations Department.

D. FISCAL IMPACT

This is an informational item.

E. ATTACHMENTS

- 2018 3rd Quarter Field Operations Water Report
- 2018 3rd Quarter Water Leak Information
- 2018 3rd Quarter Field Operations Wastewater Report
- 2018 3rd Quarter SSO Information

FIELD OPERATIONS-WATER REPORT

QUARTERLY

YEAR:

2018

Field Operations - Water

ITEM	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.
SERVICE INSTALL POTABLE	4	4	2	0
SERVICE INSTALL FIRE	4	3	1	0
SERVICE LINE REPLACE	4	13	7	0
LEAK REPAIR SERVICE	8	21	29	0
LEAK REPAIR MAIN	3	6	8	0
HYDRANT REPLACE	4	1	0	0
HYDRANT REPAIR	2	0	2	0
VALVE REPLACE	2	4	0	0
VALVE CAN REPAIR	13	0	0	0
LEAK DETECTION	43750'	39481'	20456'	0'
HYDRANT MAINTENANCE	136	91	45	0
VALVES EXERCISED	331	203	130	0
FLOW TEST PERFORMED	1	0	3	0
CURB STOP REPLACED	15	36	18	0
METER CHANGE OUT	6	2	0	0
METER MOVE	3	1	2	0
METER BOX REPAIR/REPLACE	0	1	3	0
FLUSHING	34	65	71	0
BALLARD, POST, POLE INSTALL/REPLACE	9	0	0	0
PATCHES PERMANENTLY PAVED	2	16	4	0

Service Order Work

ITEM	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.
DIG ALERT MARKINGS	308	277	297	0
TURN ON/OFF METER	253	215	239	0
CHECK FOR LEAK	19	44	59	0
GET METER READING	227	197	171	0
CHECK PSI/NO WATER CALL	16	19	25	0
DIRTY WATER CALL	7	6	6	0
INSTALL/REMOVE HYDRANT METER	0	0	0	0
C.S.O.V. CHECK	9	14	1	0
MEET WITH CUSTOMER	4	9	4	0
LEAK METER BOX	23	43	47	0
DOOR TAGS	98	66	74	0

Water Use/Loss in Gallons

TYPE	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.
LEAKS	111,254	181,013	71,457	0
DISTRIBUTION/S.O./FLUSHING	54,667	55,717	40,488	0
FLOW TEST	1,793	0	2,417	0

2018 3rd Quarter Water Leaks

Date	Address/Location	Service Type	Hydrant related leak	Main Type	Size	Estimated Gallons	Comments
7/3/18	1330 Toronto Ct.		X	Steel	6	1,000	Hydrant lateral
7/3/18	Lake Knoll to N.Bay			Steel	8	1,942	Cross country main
7/3/18	28090 Lachen Rd.	PE			1	258	
7/6/18	180 Hwy 173	Steel			1	1,930	
7/6/18	229 Hwy 173			Steel	8	2,457	
7/9/18	26432 Apache Trail	Copper			1	9,610	Rim Forest
7/10/18	357 Oak Dr.	Steel			3/4	50	
7/11/18	530 Stone Hill Dr.			Steel	2	258	
7/16/18	1237 Bear Springs Rd.	Steel			3/4	1,440	Rim Forest
7/24/18	285 Hwy 173	PE			3/4	526	
7/24/18	344 Grass Valley Rd.	Steel			1	300	
7/25/18	143 Cumberland Dr.	Steel			1	579	
7/26/18	Fremont Dr.			Steel	2	200	
7/31/18	Robinhood Dr.	PE			1	10	
8/1/18	525 Grizzley Rd.	Steel			1	2,106	Replaced service.
8/4/18	27506 W.Shore Rd.	Steel			1	1,700	Replaced service.
8/7/18	131 Hwy 173	Steel			1	468	
8/13/18	550 Stonehill Dr.			Steel	4	6,000	
8/14/18	1213 Portillo Ln.	Steel			3/4	200	
8/14/18	8/14 Pioneer Rd.	PE			1	1,500	
8/17/18	26520 Spyglass Dr.	Steel			3/4	400	
8/19/18	27870 N.Shore Rd.			Steel	2	1,200	
8/25/18	1226 Acadia Dr.	Steel			1	3,117	
8/26/18	376 Hwy 173	Steel			3/4	2,493	
8/28/18	27793 N.Shore Rd.			Steel	2	387	
8/28/18	120 Fairway Dr.	Steel			1	1,580	
8/29/18	28901 Palisades Dr.	Steel			1	50	
8/29/18	28878 Palisades Dr.	Copper			3/4	41	
8/30/18	120 Fairway Dr.	Steel			1	2,200	Replaced service.
8/30/18	748 Zurich Dr.	Steel			1	2,000	Replaced service.
8/31/18	404 Cimarron Ln.	Steel			1	50	
9/2/18	112 Fremont Dr.			Steel	2	100	
9/4/18	26655 Thunderbird Dr.	Steel			1		
9/8/18	27541 Sugar Pine Dr.	Steel			3/4	526	
9/9/18	1173 Voltair Dr.	Steel			1	1,870	
9/13/18	199 Rockledge Rd.	Steel				2,000	Service leak, replaced service.
9/17/18	28193 Zermatt Dr.	PE			1	727	Service leak, replaced service.
9/24/18	27328 Pinewood Dr.	Steel			1.5	2,200	

Wastewater Collection Report

QUARTERLY

YEAR: 2018

LINE CLEANING

	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.
COMBINATION VAC/FLUSH	2719'	1907'	1406'	0'
HYDROFLUSH	20076'	29064'	16719'	0'
POWER RODDER	3467'	10934'	6404'	0'
BALLING/PIGGING	0'	0'	0'	0'
*Contractor	0'	0'	0'	0'
Debris removed during cleaning	198	143	217	0

gallons

PIPELINE INHIBITORS

GREASE INHIBITOR	0'	0'	0'	0'
ROOT FOAM INHIBITOR	0'	0'	0'	0'

PIPELINE REHABILITATION

C.I.P.P.	0'	0'	0'	0'
PIPE REPAIRS	23	27	32	0
NEW PIPE INSTALLATION	146'	386'	361'	0'
PIPE SLIP LINED	0'	0'	0'	0'

MANHOLE REHABILITATION

MANHOLE COATING	0	0	0	0
NEW MANHOLE INSTALLATION	3	4	4	0
MANHOLE REPAIR	2	1	11	0
MANHOLE COVER GRADE CHANGE	0	4	8	0
MANHOLES INSPECTED/SEALED	484	686	467	0

TV INSPECTION/I&I INSPECTION

TV INSPECTION	34625'	49659'	36428'	0'
SMOKE TESTING	38364'	0'	2015'	0'
FOG Inspection	7	0	0	0
*Contractor	0'	0'	0'	0'

WATER USE

POTABLE	5,828	6,201	5,479	0
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cu. ft.

SSO/SPILLS

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

SERVICE ORDER WORK

LATERAL INSPECTION	38	28	31	0
DYE TEST	9	12	18	0
ANTI-FLOOD INSPECTIONS	4	1	19	0
SADDLE	0	0	0	0
ODOR COMPLAINTS	2	9	8	0
SEWER ISSUE - PRIVATE	23	19	11	0
SEWER ISSUE - DISTRICT	4	5	3	0

2018 3rd Qtr. SSO Information

CAT 3

LOCATION	VOLUME OF SPILL (gallons)	VOLUME RECOVERED (gallons)	VOLUME TO SURFACE WATER	DATE	CAUSE	SIZE(inch)	PIPE TYPE	APPROX. AGE OF PIPE(years)
27385 North Bay Rd	75	75	0	7/5/2018	Root Intrusion	8	ACP	50
620 Serpentine Dr	175	10	0	7/30/2018	Root Intrusion	6	Concrete	70
515 Rainier Dr	50	0	0	8/4/2018	Root Intrusion	8	ACP	50

CAT 2

None

CAT 1

None