



# MONTHLY OPERATIONS REPORT

## December 2017

Town of Discovery Bay, CA

**3046** Days of Safe Operations

**146,188** worked hours since last recordable incident

# TRAINING: Safety, Operations, & Equipment

## \* TRAINING:

- • Safety
  - West Monthly Regional Safety Webinar(cancelled)
  - Eye Injuries
  - Excavation
  
- Operation
  - None this Month

# **REPORTS SUBMITTED TO REGULATORY AGENCIES**

- \* Monthly Discharge Monitoring Report (DMR)**
- \* Monthly electronic State Monitoring Report (eSMR)**
- \* Monthly Coliform Report, State Water Board (WD)**

# WATER SERVICES

## Groundwater Well:

- 1B - Active
- 2 – Active
- 4 – Active
- 5B - Active (Standby only)
- 6 – Active
- 7 - Active

## 2017 Water Production Table (MG) by Month

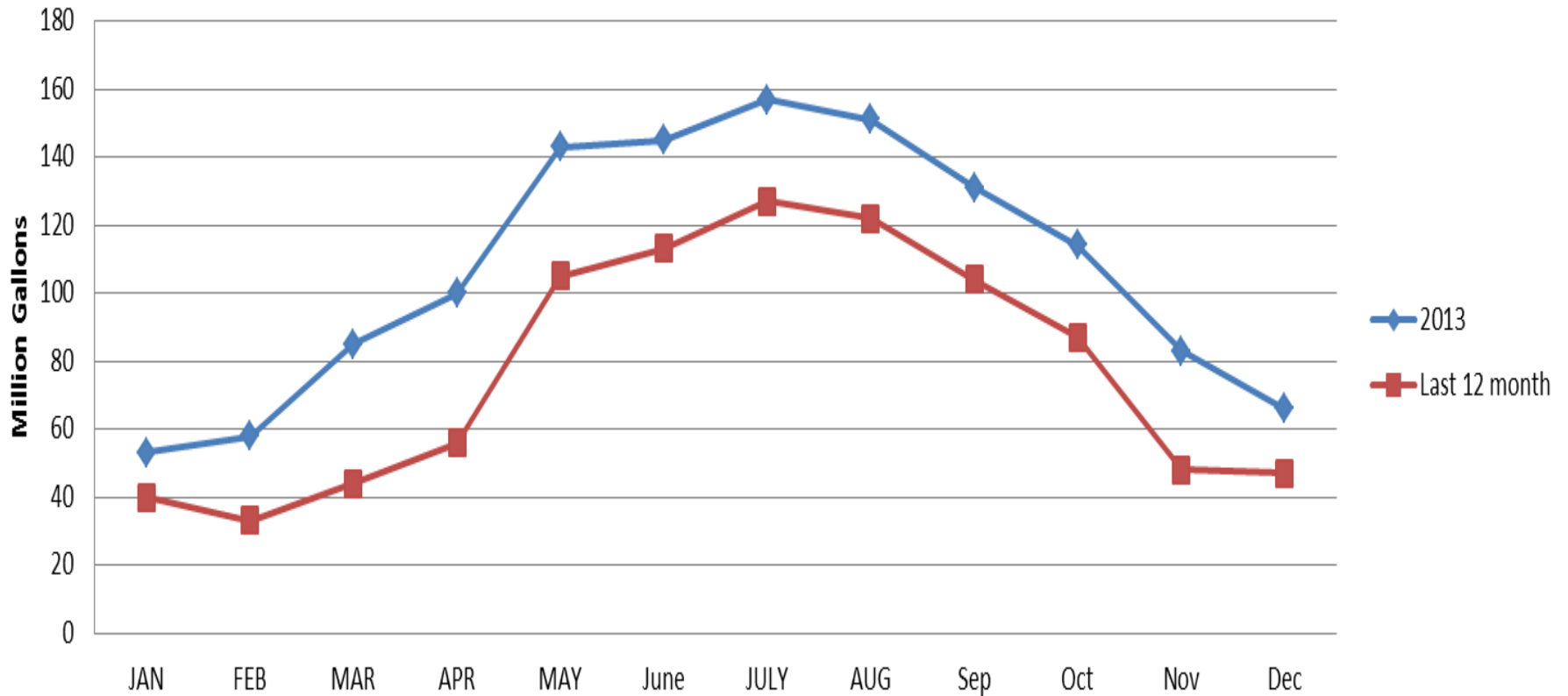
January	February	March	April	May	June
40	33	44	56	105	113
July	August	September	October	November	December
127	122	104	87	48	47

## Bacteriological Test Results

Routine Bacteria Samples Collected	No. Total Coliform Positives	No. Fecal/E. coli Positives	Brown Water Calls	Fire Hydrant Flushing
• 16	• 0	• 0	• 0	• 5

# WATER USAGE

## Water Production

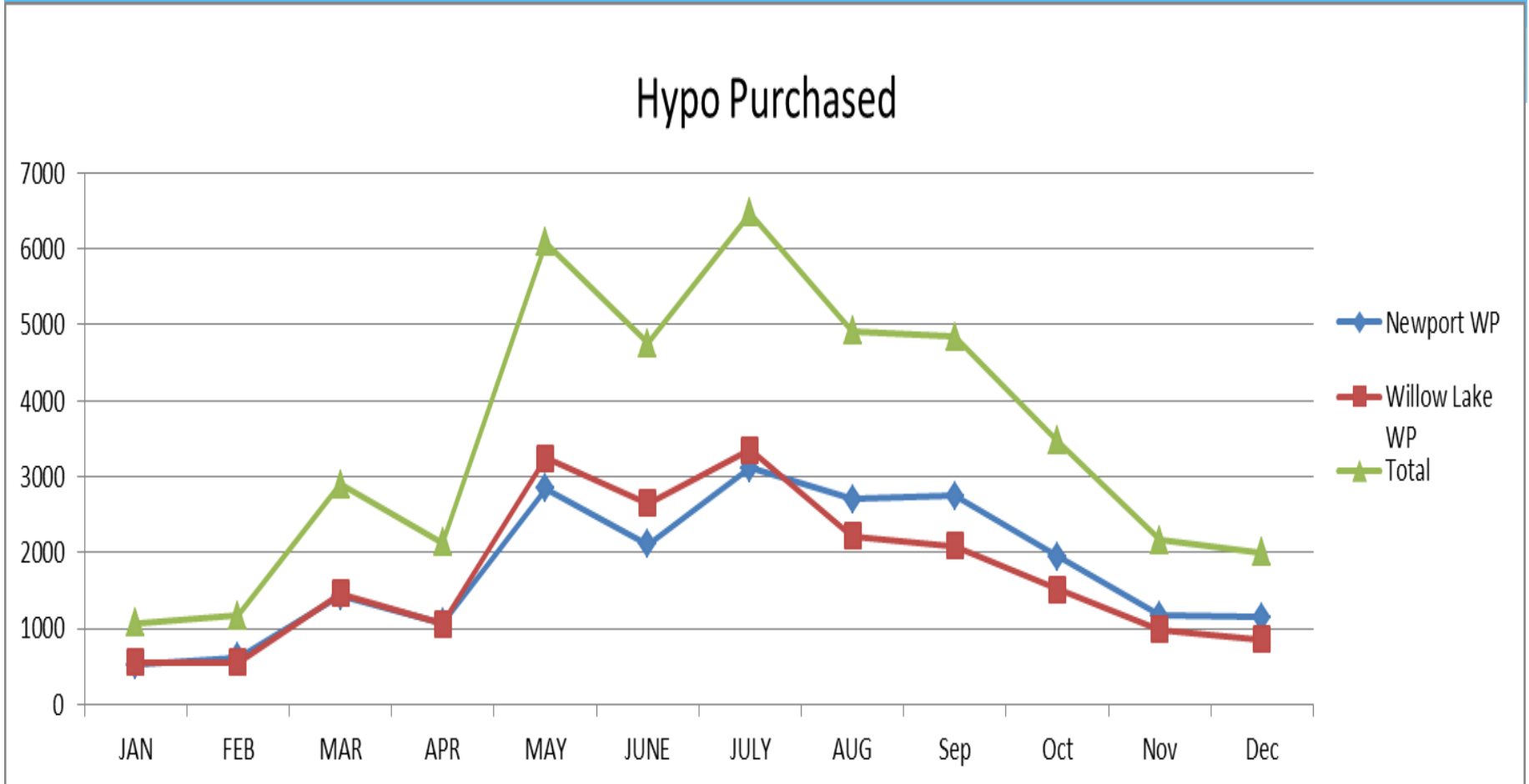


# Water Saved

## Reduction



# Chemical Usages



# WASTEWATER SERVICE

## Wastewater Laboratory Analysis

<i>WW Effluent Parameter</i>	<i>Permit Limits</i>	<i>Nov Lab Data</i>	<i>Dec Lab Data</i>
Flow, MG Effluent, <b>monthly total</b>		34	34
Flow, MG Daily Influent Flow, <b>avg.</b>	N/A	1.3	1.3
Flow, MG Daily Discharge Flow, <b>avg.</b>	2.1	1.2	1.1
Effluent BOD <sub>5</sub> , lbs/d, <b>monthly avg.</b>	350	14	20
Effluent TSS, lbs/d, <b>monthly avg.</b>	525	8	12
Effluent BOD <sub>5</sub> , mg/L, <b>monthly avg.</b>	20	2	2*
Effluent TSS, mg/L, <b>monthly avg.</b>	30	1	1
Total Coli form 7 day Median Max	23	ND	ND
Total Coli form Daily Maximum	240	17	ND
% Removal BOD <sub>5</sub> , monthly avg.	85% min.	99	99
% Removal, TSS, monthly avg.	85% min.	98	99
Electrical Conductivity, umhos/cm <b>annual avg.</b>	2100	2100	2100

\* 1 test was bad



# WASTEWATER SERVICE

## \* National Pollution Discharge Elimination System (NPDES)

NPDES Related Excursions	Permit Parameter	NPDES Parameter Limit	Actual Parameter Result
• 0	• N/A	• N/A	• N/A

## COLLECTION:

# of Active Lift Stations	# of Inactive Lift Stations	SSO	Wastewater Received (MG)
15	0	0*	34

Force Main Vortex boxat Golf Station had a big rag ball that caused sewer to come out of top.

# WASTEWATER SERVICE

- \* 255,700 ft. of collection sewer line has been assessed
- \* 0 ft. flushed/CCTV
- \* 593 manhole & cover has been inspected
- \* Performed weekly lift station inspections.

# Maintenance

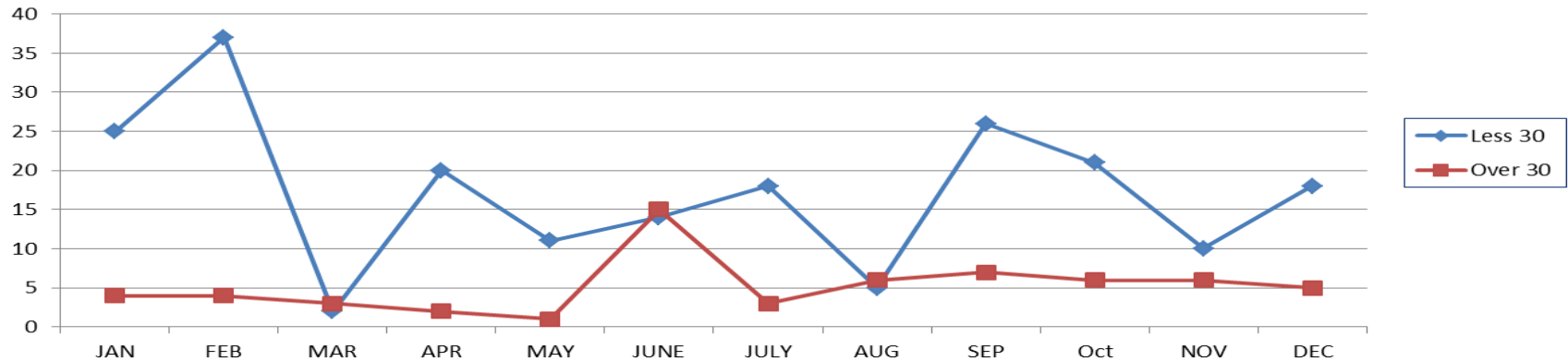
## Preventive and Corrective

### Work Orders



### Work Order Back-Log

### WO Backlog



# General Info

## Call & Emergency Responses

Call Outs

2

Emergencies

0

## Personnel Hours & Overtime:

Regular Hours

1680

Overtime

19

# TERMS

WWTP

WASTEWATER TREATMENT PLANT

WTP

WATER TREATMENT PLANT

WL

WILLOW LAKE

NP

NEWPORT

VFD

VARIABLE FREQUENCY DRIVE

WO

WORK ORDER

PLC

PROGRAMMABLE LOGIC CONTROLLER

L/S

LIFT STATION

SSO

SANITARY SEWER OVERFLOW

BOD

BIOLOGICAL OXYGEN DEMAND

TSS

TOTAL SUSPENDED SOLIDS

MGD

MILLION GALLONS PER DAY

mg/l

MILLIGRAMS PER LITRE

CCTV

CLOSED CIRCUIT TELEVISION

PPM

PARTS PER MILLION

RAS

RETURN ACTIVATED SLUDGE

WAS

WATSE ACTIVATED SLUDGE

UV

ULTRAVIOLET LIGHT

# Force main Vortex box

