



STATE OF THE UTILITY

Operational Updates

Item #160471

10/19/16

Safety**Employees**

	Current Month				Year to Date		
	Near Miss	Recordable	Lost Days		Near Miss	Recordable	Lost Days
Water Treatment/Distribution	0	0	0		14	1	0
WW Collections/ Reclamation	0	0	0		13	3	1
Energy Supply	1	0	0		15	2	1
Energy Delivery - Electric	0	0	0		3	5	2
Energy Delivery - Gas	0	0	0		1	1	0

Vehicles

	Current Month				Year to Date		
	Miles Driven	Recordable	Preventable		Miles Driven	Recordable	Preventable
Water Treatment/Distribution	27,777	0	0		360,332	2	1
WW Collections/ Reclamation	34,242	0	0		465,012	2	0
Energy Supply	1,701	0	0		49,186	1	1
Energy Delivery - Electric	58,214	0	0		527,462	8	2
Energy Delivery - Gas	21,231	0	0		245,705	2	2

Environmental

Current Month

Calendar Year to Date

Notices of Violation

0

0

Emissions

DH1, DH2, DHCT3, JRKCC1

CO₂ (tons)

129,153

1,072,478

NO_x (tons)

83

915

SO₂ (tons)

41

384

DH Unit 2 (only)

PM_{FILT} (tons)

6

29

Hg (lbs)

0.40

2.92

Regulatory

Current Month

Year to Date

NERC

Notice of Violations

0

0

Self Reports/Potential Violations

2

3

Customers

		September		2015	2016	Gain/(Loss)
		Service	Class	Contract Accounts		
		ELECTRIC	R	81,594	82,762	1,168
		ELECTRIC	Non Res	10,839	11,048	209
		WATER	R	61,606	62,242	636
		WATER	Non Res	5,798	5,846	48
		WASTEWATER	R	57,504	58,222	718
		WASTEWATER	Non Res	4,530	4,597	67
		GAS	R	32,369	32,840	471
		GAS	Non Res	1,605	1,627	22

Personnel

			FTE	Incumbents	Vacant
Water & Wastewater		MAPS	27	24	3
		CWA	145.5	131	14.5
Energy Supply (includes District Energy)		MAPS	40	30	10
		CWA	128	117	11
Energy Delivery (Electric & Gas)		MAPS	52	43	9
		CWA	215	193.8	21.2
		Total	607.50	538.80	68.70

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Tmed Stats

Date From 9/1/2016

Date to 9/30/2016

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Customers	93,857
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Total CIs	Total CMIs	Total SAIDI	Total SAIFI	CAIDI	Events
12,251	1,131,904	12.06	0.13	92.39	94

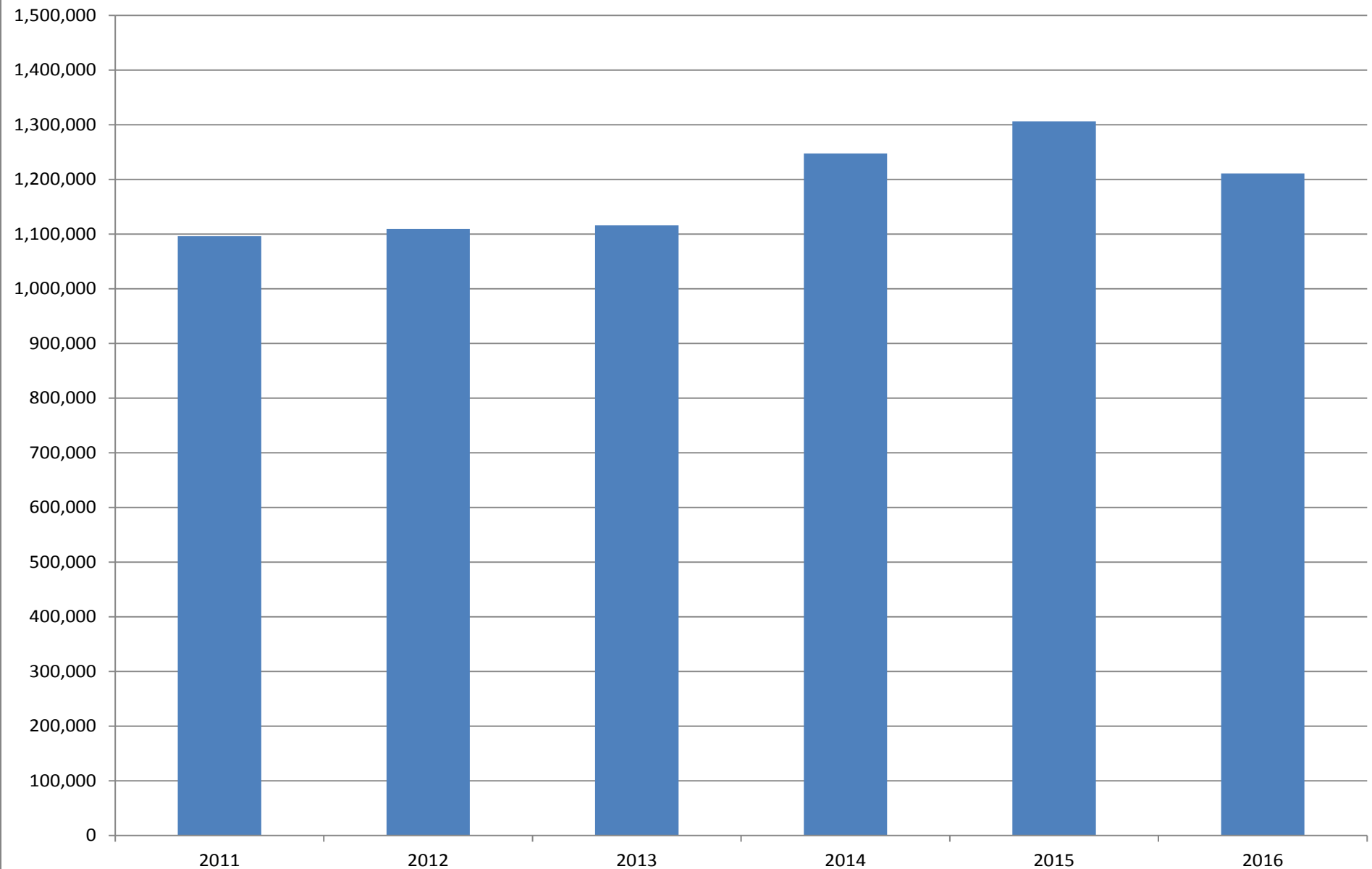
CIs	CMIs	SAIDI	SAIFI	CAIDI	Events
13,727	1,570,914	16.74	0.15	114.44	84

CIs	CMIs	SAIDI	SAIFI	CAIDI	Events
31,174	11,566,440	123.23	0.33	371.03	130

CIs	CMIs	SAIDI	SAIFI	CAIDI	Events
44,681	13,115,722	139.74	0.48	293.54	210

WholeDay ▾	CI's ▾	CMI's ▾	SAIFI ▾	SAIDI ▾	CAIDI ▾	Events ▾
9/2/2016	32,430	11,983,817.80	0.35	127.68	369.53	116

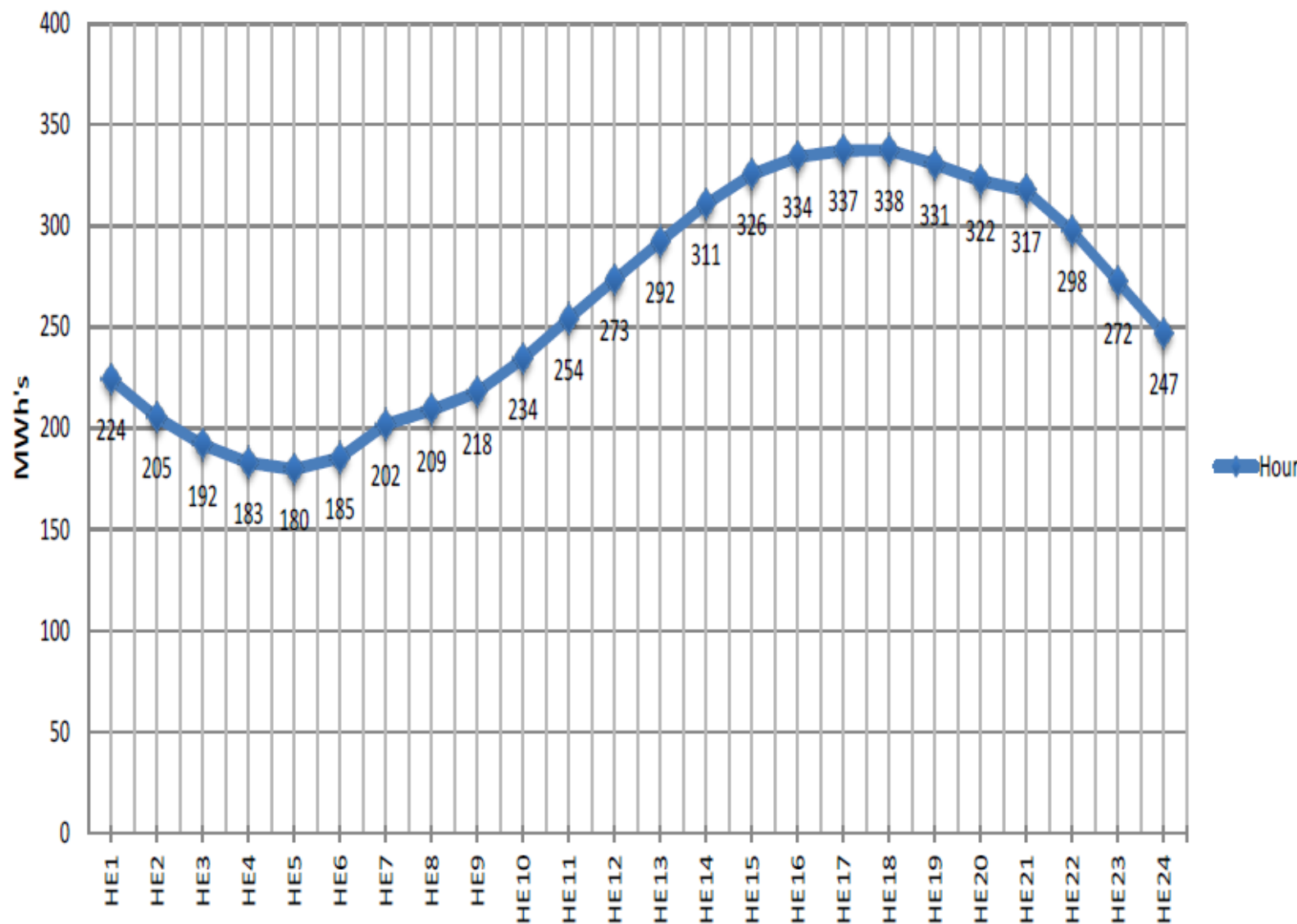
September Retail Natural Gas Sales - Therms



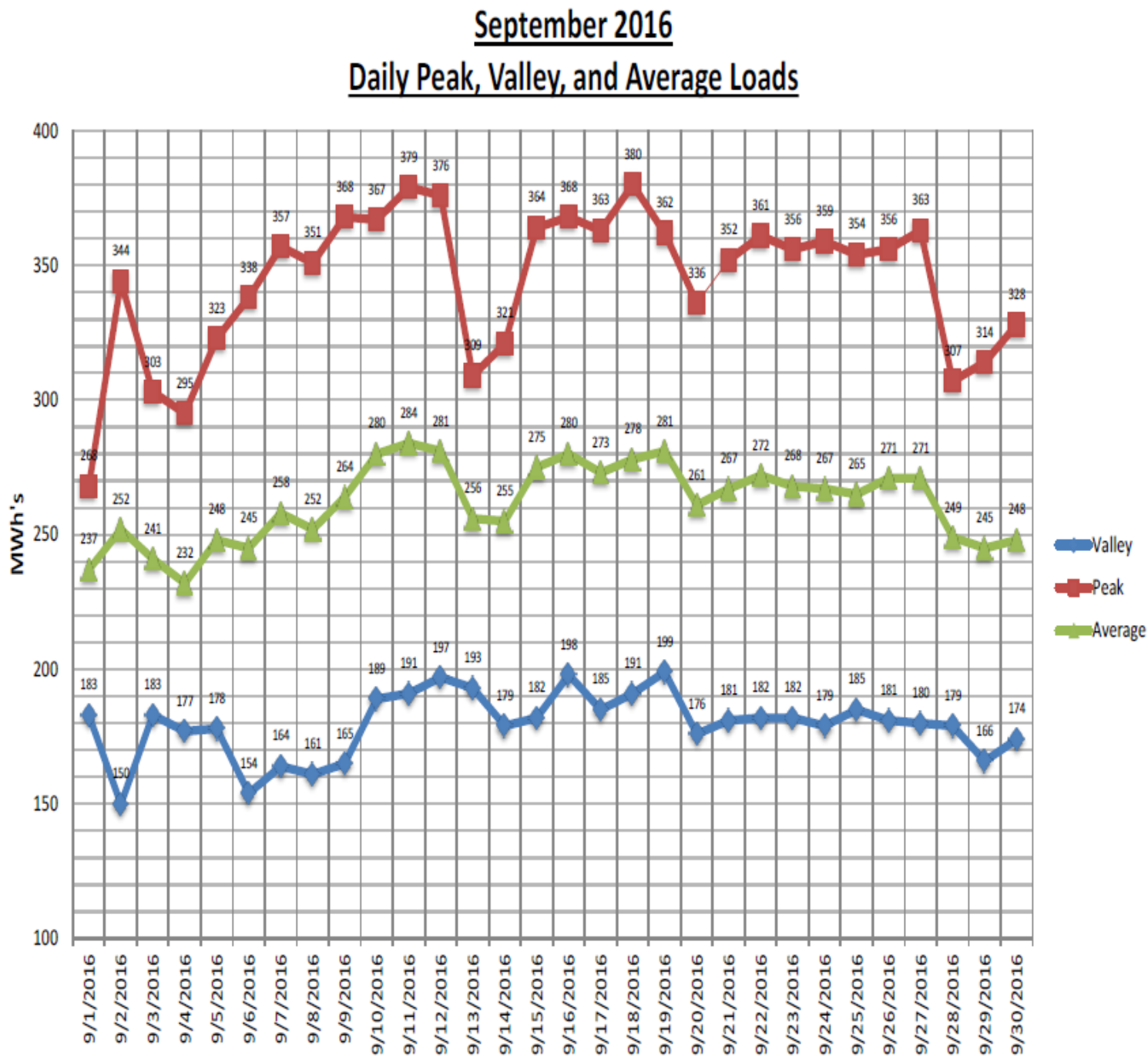
Energy Supply					
System Statistics					
		Unit Capability Output - MWn			
	DH-2	228			
	DH-1	75			
	Kelly CC	108			
	CT's	106			
	Grid	2 X 224			
	GREC	102.5			
Energy Supply - MWHrs Delivered					
		Month	YTD	Budget YTD	Delta Budget
Source					
	DH-2	59,748	592,591	1,104,450	(511,859)
	DH-1	18,031	189,574	46,281	143,293
	Kelly CC	75,210	792,016	156,118	635,898
	CT's	926	4,671	1,945	2,726
	Grid	19,797	455,159	41,025	414,134
	GREC	901	12,792	614,612	(601,820)
Fuel Consumed					
		Month	YTD	Budget YTD	Delta Budget
	Coal - Tons	21,781	219,709	564,950	(345,241)
	Gas-MCF	1,085,255	11,103,633	2,249,158	8,854,475
	Fuel oil - Gal	0	32,098	0	32,098

Hour Ending	Ave. Load
HE1	224
HE2	205
HE3	192
HE4	183
HE5	180
HE6	185
HE7	202
HE8	209
HE9	218
HE10	234
HE11	254
HE12	273
HE13	292
HE14	311
HE15	326
HE16	334
HE17	337
HE18	338
HE19	331
HE20	322
HE21	317
HE22	298
HE23	272
HE24	247

September 2016
Average Hourly Load Curve



Date	Valley	Peak	Ave
9/1/2016	183	268	237
9/2/2016	150	344	252
9/3/2016	183	303	241
9/4/2016	177	295	232
9/5/2016	178	323	248
9/6/2016	154	338	245
9/7/2016	164	357	258
9/8/2016	161	351	252
9/9/2016	165	368	264
9/10/2016	189	367	280
9/11/2016	191	379	284
9/12/2016	197	376	281
9/13/2016	193	309	256
9/14/2016	179	321	255
9/15/2016	182	364	275
9/16/2016	198	368	280
9/17/2016	185	363	273
9/18/2016	191	380	278
9/19/2016	199	362	281
9/20/2016	176	336	261
9/21/2016	181	352	267
9/22/2016	182	361	272
9/23/2016	182	356	268
9/24/2016	179	359	267
9/25/2016	185	354	265
9/26/2016	181	356	271
9/27/2016	180	363	271
9/28/2016	179	307	249
9/29/2016	166	314	245
9/30/2016	174	328	248



Water/Wastewater Operational Summary (October 2015 - September 2016)

Production

Murphree Water Treatment Plant

		September 2016 (mgd)	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	23.8	22.2	30	74%	
	Peak Daily Flow	26.4	29.6	54	-	

Main Street Water Reclamation Facility

		September 2016 (mgd)	FY to Date (mgd)	Permitted Capacity (mgd)		Status
	Average Daily Flow	10.2	6.7	7.5		

Kanapaha Water Reclamation Facility

		September 2016 (mgd)	FY to Date (mgd)	Permitted Capacity (mgd)		Status
	Average Daily Flow	10.0	11	14.9		

Water Reclamation Facilities (Combined)

		September 2016	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	20.2	17.7	22.4	79%	

Maintenance

Wastewater Collections

		Sept 2016 (miles)	YTD	Monthly Goal (miles)	Status
	Miles of gravity mains cleaned	8.6	64.3	5.4	
	Miles of gravity mains TV Inspected	9.3	68.5	5.4	

Water Distribution & Wastewater Collections

		September 2016	YTD		Status
	Work orders, service orders completed	768	11910		

QUESTIONS?