

3 Year Study Based on Kilowatt Usage of Pump Stations Before and After Installation of Sewer Sentries

Case Study based on Kilowatt Usage TABLE OF CONTENTS



Pump Stations- Sewer Sentries NOT Installed.



Pump Stations- Sewer Sentries WERE Installed.



No Sewer Sentries. Dollar Amount Loss due to Extra 4.3" Rainfall. Comparing 2013 to 2015.



With Sewer Sentries. Dollar Amount Saved even with Extra 4.3" Rainfall. Comparing 2013 to 2015.



No Sewer Sentries. Dollar Amount Loss due to Extra 16.8" Rainfall. Comparing 2013 to 2016.



With Sewer Sentries. Dollar Amount Saved even with Extra 16.8" Rainfall. Comparing 2013 to 2016.



With Sewer Sentries. Individual areas payoff schedule with 15% increase added due to extra rain.



With Sewer Sentries. Projected Savings in periods of 5, 7.5, and 10 Years.



2013 to 2015- 50% of WOSD#5 Sewer System Equipped with Sewer Sentries Savings and Payoff.



Information used in Study. Pump Costs, Treatment Costs, Electricity Cost.

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	ATIO
0 Z	P ST/
\oslash	PUM

Church	Z-1	3 - 8"	Hinton	Z-2	3 - 12"	N,. Side Douglas U	2 - 8"	Richardson T		2 - 3"
30433254			29286770			29287604		29259082		
SS In	0		SS In	0		SS In	0	SS In	0	
SS Not In	49		SS Not In	71		SS Not In	91	SS Not In	81	
Total MHs	49		Total MHs	71		Total MHs	91	Total MHs	81	

Rainfall

Т

2016	69.4"	1331	1292	1947	1432	1960	954	769	1218	1104	704	677	985	14373
2015	56.9"	974	1680	994	1213	1309	836	536	521	418	1177	1134	1131	11923
2013	52.6"	1293	966	1240	1232	241	1796	682	571	574	719	1102	819	11265
2016	69.4"	4384	3543	5740	4442	4748	2940	2430	3387	2914	1784	1684	2756	40752
2015	56.9"	2589	5043	3202	2987	4658	2433	2027	2159	1877	3674	3232	4384	38265
2013	52.6"	3921	3077	3224	2684	3253	2598	2134	2083	1957	2374	3167	2584	33056
2016	69.4"	1115	902	2539	1051	1281	733	486	889	886	518	424	664	11488
2015	56.9"	636	1347	200	753	1068	567	513	537	513	266	833	1115	9387
2013	52.6"	868	535	667	537	707	451	460	495	472	573	1094	584	7443
2016	69.4"	7680	<mark>0969</mark>	12960	7920	8160	5520	4080	6480	5040	3600	2880	4800	76080
2015	56.9"	4560	8400	5280	5100	6720	4560	3840	3840	3360	3250	6240	7680	62830
2013	52.6"	6240	3360	5040	4080	5040	3840	3120	3360	3124	3030	0009	4080	50314

3108	28%	Increase
658	%9	Increase

7696	23%	Increase
5209	16%	Increase

Increase	Increase
54%	26%

4045

1944

Increase	Increase
51%	25%
25766	12516

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				<u>.</u> 6	= +	4	7	8	34	78	57	14	1 1	33	1	8	55	0	ľ	õ	8	۲,	a	
- 7 -				201	69.4	85	62	120	68	67	96	97	52	76	62	65	86	885		227	35	5	Increas	
ç-)	0	26	26	2015	56.9"	511	758	408	484	445	397	435	621	565	710	695	894	6923		343	۲%	22	crease	
standard Keed 25270828	SS In	SS Not In	Total MHs	2013	52.6"	479	581	512	513	541	509	433	536	502	447	779	748	6580	ļ		L	J	<u> </u>	
		• /		2016	69.4"	2474	1996	3661	2045	2586	1783	1403	1964	1886	1158	1140	1786	23882		8664	с7%		ncrease	
S	0	91	91	2015	56.9"	1816	3029	1767	1591	2735	1444	1248	1263	1063	1933	1843	2474	22206		6988	76%	0/0	Increase	
Evergreen 39152988	SS In	SS Not In	Total MHs	2013	52.6"	2085	1312	1618	1249	1530	0	1926	1085	786	1096	1378	1153	15218	l			J	_	
2 - 3"				2016	69.4"	282	239	767	279	296	181	97	202	160	104	72	232	2911		955	700		Increase	
C- 2	0	31	31	2015	56.9"	154	289	175	150	226	113	101	115	119	341	179	282	2244		288	15%	0/07	ncrease	
Central 52529203	SS In	SS Not In	Total MHs	2013	52.6"	225	181	233	182	198	111	110	82	97	148	241	148	1956	l		L	J		
2 - 4"				2016	69.4"	1999	1551	1820	1882	1680	876	775	1024	1166	647	666	1271	15357		7601	98%	200	Increase	
8	0	99	<u>66</u>	2015	56.9"	585	1667	1272	952	1732	772	469	664	612	1671	1042	1999	13437		5681	73%	2.0.1	ncrease	
Parker 29261658	SS In	SS Not In	Total MHs	2013	52.6"	1082	679	828	661	754	531	461	381	413	559	719	688	7756			Ĺ	ר_		
				 	Ifall																			

Rainfall

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IS In 0 SS In 0 SS In 0 Sewer Sentries 0 Sewer Sentries 0 SS Not In 18 O O Stanting 18 O O Otal MHs 47 Total MHs 18 Manholes Total 571)ff Olice on Pam Z 29292455	- <u>-</u> 3 2 - 3"	Off Walters and Lasha 29262045 Z-4	2 - 3"	
S Not In 47 SS Not In 18 ot all Manholes Total 571	S In	0	SS In 0		Sewer Sentries 0
otal MHs 47 Total MHs 18 Manholes Total 571	S Not In	47	SS Not In 18		
	otal MHs	47	Total MHs 18		Manholes Total 571

	2015	Rainfall		6'95		4.3"more		8% more						
	2013	Rainfall		52.6"										
2016										-				
2015														
2016	69.4"	475	386	1787	4681	621	336	322	432	375	218	228	395	10256
2015	56.9"	363	633	408	352	640	349	268	241	162	315	444	475	4650
2013	52.6"	425	305	251	250	325	273	195	179	196	216	298	338	3251
2016	69.4"	1777	1414	2921	5131	1609	1252	1124	1252	1270	854	966 	1356	20956
2015	56.9"	1232	2446	1444	1361	1865	1159	887	928	806	1533	1377	1777	16815
2013	52.6"	2068	1825	1270	1095	1345	1316	1094	923	981	086	1261	1274	15432
	Rainfall													

8% more 32% more

4.3" more 16.8" more

69.4"

2016 Rainfall

		_
72634	<mark>45% Ave</mark>	Increase
36409	26% Ave	Increase

5524	1399	7005
36%	43%	215%
crease	Increase	Increase

5524	36%	Increase
1383	%6	Increase

2. SEWER SENTRY SYSTEMS PUMP STATIONS SEWER SENTRIES WERE INSTALLED

<mark>Restfull Hom</mark>	les	<mark>2 - 4"</mark>	T-John F	2 - 4"	Nichols M	2- 3"	Landreaux (C-6	<mark>2 - 3"</mark>
29254760	D-2		29255247		29254950		28221885		
SS In	64	Installed	SS In	25 Installed	SS In	17 Installed	SS In	16 Ins	stalled
SS Not In	9	Betore	SS Not In	0 Betore	SS Not In	1 Betore	SS Not In	0 Be	etore
Total MHs	70	!/1/2015	Total MHs	25 1/1/2015	Total MHs	18 3/12/201	5 Total MHs	16 3/	/10/2015

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2016	69.4"	275	221	337	285	313	217	216	251	269	209	256	285	3134
2015	56.9"	271	280	240	234	239	192	186	204	175	287	264	275	2847
2013	52.6"	286	290	376	191	277	217	268	346	246	256	274	289	3316
2016	69.4"	76	80	106	96	178	42	38	39	61	33	41	58	848
2015	56.9"	111	185	129	94	148	122	91	30	27	53	69	76	1135
2013	52.6"	379	299	165	149	413	194	144	123	119	142	166	192	2485
2016	69.4"	206	612	1004	969	727	590	585	520	698	532	615	778	8264
2015	56.9"	753	1351	843	935	977	660	610	1123	1090	951	797	907	10997
2013	52.6"	1815	1732	1466	1809	1532	1525	1486	1251	1279	1359	1863	2099	19216
2016	69.4"	1143	1203	1693	1136	<u>1356</u>	907	838	882	1134	704	821	1218	13035
2015	56.9"	971	1448	1093	983	1383	933	764	791	833	1182	1155	1143	12679
2013	52.6"	2170	1620	1321	1444	1699	1008	763	822	697	658	1013	1219	14434

66% 1637 1350 54%

		-
TOUDE	57%	Decrease



12%

Decrease Decrease

10%

1399

1755

Decrease





	Dec
14%	Decrease
	-

Rainfall

Lakewood	C-4	2 - 3"	Harrell Rd	G-1	2 - 3"	Casa Linda	I-1	2 - 8"	Hart	A	2 - 3"
29255825			29258274			29281011			29265410		
SS In	13	Installed	SS In	5	Installed	SS In	137	Installed	SS In	39	Installed
SS Not In	17	Before	SS Not In	ŝ	Before	SS Not In	34	Before	SS Not In	15	Before
Total MHs	30	7/15/2015	Total MHs	8	5/15/2015	Total MHs	171	5/15/2015	Total MHs	54	6/3/2015

	Rainfall													
2016	69.4"	1359	1162	1674	1800	1309	1550	1367	1287	1646	831	889	968	15842
2015	56.9"	835	1406	1142	1230	1329	911	847	793	772	1338	1176	1359	13138
2013	52.6"	1970	1559	1290	1698	1492	1277	1053	1089	1167	1358	1623	1480	17056
2016	69.4"	8464	6526	10464	7248	8757	5053	5255	5763	7285	4586	4442	6212	80055
2015	56.9"	4728	9175	5449	5495	8376	4359	4159	4440	3646	8030	5886	8464	72207
2013	52.6"	12761	9103	7644	8503	6835	6064	5647	5766	5371	5843	9558	6691	89786
2016	69.4"	440	378	404	382	381	331	370	332	385	344	372	362	4481
2015	56.9"	386	441	383	391	399	356	369	369	370	425	288	440	4617
2013	52.6"	504	439	440	434	402	424	414	426	427	392	457	483	5242
2016	69.4"	560	383 383	540	346	487	338	420	365	426	319	337	438	4959
2015	56.9"	310	456	284	367	415	347	358	317	379	557	394	560	4744
2013	52.6"	633	682	444	502	497	880	1160	587	686	454	609	400	7134

Decrease	Decrease	Decrease	Decrease
7%	23%	11%	20%
1214	3918	9731	17579

15%	Decrease
12%	ocrosco

761

625

2175

2390



31%

34%

Decrease Decrease

























2-2

		4		2		16	sgu	
		tries 67		holes 907		20	vatt Savin	
		Sewer Sent		Total Man	Rainfall	2015	Total Kilow	
2 - 4"		Installed	Before	6/4/2015	69.4"	2016		6313
В		37	61	98	56.9"	2015		2668
164 Sunset	29285871	SS In	SS Not In	Total MHs	52.6"	2013		6720
2 - 6"		Installed	Before	7/31/2015	69.4"	2016		9962
		321	96	417	56.9"	2015		6518
Vichols L.	29262805	S In	S Not In	Total MHs	52.6"	2013		14628

Ĕ													
	6313	5610	6449	5951	6510	7459	7849	5673	8945	3944	2898	6755	74356
	2668	2424	3438	3953	4931	2998	2919	2732	2520	4360	4458	6313	43714
	6720	3252	2931	4586	5218	4592	4108	5494	7731	8832	10492	7511	71467
	9962	11040	10543	8545	9421	7123	8183	7479	7363	6738	4836	7750	98983
	6518	9674	6405	7004	6291	3640	3111	4286	6082	8665	10135	2966	83500
	14628	8512	6568	5897	8238	7190	7148	6858	6004	8056	8881	6050	94030

	74588	Ave 26% A	Decrease D	
356	889	4%	Se	
74	2		Decrea	
43714	27753	39%	Decrease	

2016 Rainfall		16.8"more	32% more	
2015 Rainfall	6 '95	4.3"more	8% more	
2013 Rainfall	52.6"			

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Ave 20%	Decrease
Ave 26%	Decrease

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2-3

4953	Up 5%	Increase
10530	11%	Decrease

3. NO SEWER SENTRY SYSTEM EXTRA 4.3" RAINFALL

<u>COST</u>

2015				
Station	Pump Size	Cost per Yr.	% of Cost	Cost per Yr.
		\$	\$	\$
Church	8"	4200	0.25	1050
Hinton	6"	1824	0.26	474
N. Side Douglas	8"	2800	0.16	448
Jewels Richards	3"	1100	0.06	66
Parker	4"	1224	0.73	894
Central	3"	1100	0.15	165
Evergreen	6"	1824	0.46	839
Standard Reed	3"	1100	0.05	55
Off Olice on Par	3"	1100	0.09	99
Off Walters and	3"	1100	0.43	473

4563

2015				
Station	Kilowatts Saved	Treatment Cost	Electricity Cost	Clorine Cost
	per Yr.	per Kilowatt	per Kilowatt	\$
		\$0.19	\$0.08	
Church	12516	2378	1001	1000
Hinton	1944	370	156	1000
N. Side Douglas	5209	990	417	
Jewels Richards	658	125	53	
Parker	5681	1079	455	
Central	288	55	23	
Evergreen	6988	1328	559	
Standard Reed	343	65	28	
Off Olice on Par	1383	263	111	
Off Walters and	1399	266	112	
	•	6919	2915	2000

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More Cost due to 4.3" more Rainfall



2015 COST **\$16,397**

4. SEWER SENTRY SYSTEM EXTRA 4.3" RAINFALL

SAVINGS

Station Pump Size Cost per Yr. % of Savings S Restful Homes 4" 1224 X 0.12 T - John 4" 1224 X 0.43 Nichols 3" 1100 X 0.54 Landreux 3" 1100 X 0.14 Lakewood 3" 1100 X 0.34 Harrell 3" 1100 X 0.12 Hart 3" 1100 X 0.54	2015					
\$ \$ Restful Homes 4" 1224 X 0.12 T - John 4" 1224 X 0.43 Nichols 3" 1100 X 0.54 Landreux 3" 1100 X 0.14 Lakewood 3" 1100 X 0.34 Harrell 3" 1100 X 0.12 Kasa Linda 8" 2800 X 0.23	Station	mp Size	Cost per Yr.		% of Savings	Savings per Yr.
Restful Homes4"1224X0.12T - John4"1224X0.43Nichols3"1100X0.54Landreux3"1100X0.14Lakewood3"1100X0.34Harrell3"1100X0.12Casa Linda8"2800X0.2Hart3"1100X0.23			\$		\$	\$
T - John4"1224X0.43Nichols3"1100X0.54Landreux3"1100X0.14Lakewood3"1100X0.34Harrell3"1100X0.12Casa Linda8"2800X0.2Hart3"1100X0.23	Restful Homes	4"	1224	Х	0.12	147
Nichols 3" 1100 X 0.54 Landreux 3" 1100 X 0.14 Lakewood 3" 1100 X 0.34 Harrell 3" 1100 X 0.12 Casa Linda 8" 2800 X 0.2 Hart 3" 1100 X 0.23	T - John	4"	1224	Х	0.43	526
Landreux3"1100X0.14Lakewood3"1100X0.34Harrell3"1100X0.12Casa Linda8"2800X0.2Hart3"1100X0.23	Nichols	3"	1100	Х	0.54	594
Lakewood3"1100X0.34Harrell3"1100X0.12Casa Linda8"2800X0.2Hart3"1100X0.23	Landreux	3"	1100	Х	0.14	154
Harrell 3" 1100 X 0.12 Casa Linda 8" 2800 X 0.2 Hart 3" 1100 X 0.23	Lakewood	3"	1100	Х	0.34	374
Casa Linda 8" 2800 X 0.2 Hart 3" 1100 X 0.23	Harrell	3"	1100	Х	0.12	132
Hart 3" 1100 X 0.23	Casa Linda	8"	2800	Х	0.2	560
	Hart	3"	1100	Х	0.23	253
Nichols L 6" 1824 X 0.11	Nichols L	6"	1824	Х	0.11	204
164 Sunset 4" 1224 X 0.39	164 Sunset	4"	1224	Х	0.39	477

13796

3421

2015				
Station	Kilowatts Saved	Treatment Cost	Electricity Cost	Clorine Cost
	per Yr.	per Kilowatt	per Kilowatt	Savings
		\$0.19	\$0.08	\$
Restful Homes	1755	333	140	1000
T - John	8219	1562	658	1000
Nichols	1350	257	108	
Landreux	469	89	38	
Lakewood	2390	454	191	
Harrell	625	119	50	
Casa Linda	17579	3340	1406	
Hart	3918	744	314	
Nichols L	10530	2001	842	
164 Sunset	27753	5273	2221	
	-	14172	5968	2000

2015 Savings \$25,561

				233 Sewer Se	entries not on
Sewer Sentries	674				
Buy and Install	250				
	168500	/	\$25,561		
				6.6 Years	Payoff
					4 1

22140

5. O NO SEWER SENTRY SYSTEM EXTRA 16.8" RAINFALL

<u>COST</u>

2016				
Station	Pump Size	Cost per Yr.	% of Cost	Cost per Yr.
		\$	\$	\$
Church	8"	4200	0.51	2142
Hinton	6"	1824	0.54	985
N. Side Douglas	8"	2800	0.23	644
Jewels Richards	3"	1100	0.28	308
Parker	4"	1224	0.98	1199
Central	3"	1100	0.49	539
Evergreen	6"	1824	0.57	1824
Standard Reed	3"	1100	0.35	385
Off Olice on Par	3"	1100	0.36	396
Off Walters and	3"	1100	0.43	473

2016				
Station	Kilowatts Saved	Treatment Cost	Electricity Cost	Clorine Cost
	per Yr.	per Kilowatt	per Kilowatt	\$
		\$0.19	\$0.08	
Church	25766	4895	2061	1000
Hinton	4045	769	323	1000
N. Side Douglas	7696	1462	616	
Jewels Richards	3108	591	249	
Parker	7601	1444	608	
Central	955	182	77	
Evergreen	8664	1646	693	
Standard Reed	2270	431	182	
Off Olice on Par	5524	1049	442	
Off Walters and	7005	1330	560	
	•	13799	5811	2000

More Cost due to 4.3" more Rainfall	\$30,505

2016 COST \$30,505

8895

6. SEWER SENTRY SYSTEM **EXTRA 16.8" RAINFALL**

SAVINGS

2016					
Station	Pump Size	Cost per Yr.		% of Savings	Savings per Yr.
		\$		\$	\$
Restful Homes	4"	1224	Х	0.1	122
T - John	4"	1224	Х	0.57	698
Nichols	3"	1100	Х	0.66	726
Landreux	3"	1100	Х	0.06	66
Lakewood	3"	1100	Х	0.31	341
Harrell	3"	1100	Х	0.15	165
Casa Linda	8"	2800	Х	0.11	308
Hart	3"	1100	Х	0.07	77
Nichols L	6"	1824	X	*0.05	*93
164 Sunset	4"	1224	X	0.04	49

2016				
Station	Kilowatts Saved	Treatment Cost	Electricity Cost	Clorine Cost
	per Yr.	per Kilowatt	per Kilowatt	Savings
		\$0.19	\$0.08	\$
Restful Homes	1399	333	140	1000
T - John	10952	1562	658	1000
Nichols	1637	257	108	
Landreux	182	89	38	
Lakewood	2175	454	191	
Harrell	761	119	50	
Casa Linda	9731	3340	1406	
Hart	1214	744	314	
Nichols L	4953	2001	842	
164 Sunset	2829	5273	2221	
	-	14172	5968	2000

2016 Savings **\$24,599**

				All Sewer Sei	ntries not on
Sewer Sentries	674				
Buy and Install	250				
	168500	/	<mark>24599</mark>		
				6.8 Years	Payoff
					6-1

7. SEWER SENTRY SYSTEM INDIVIDUAL AREAS PAYOFF SCHEDULE WITH 15% INCREASE ADDED DUE TO EXTRA RAIN.

	Sewer	Electricity	Treatment	Pump Life	Clorine	Total
	Sentries	Savings	Savings	Savings	Cost Saved	Savings
Restful Homes	64 ea	Kilo 1755	Kilo 1755	P C 1224	5gal bu 15	
Stopped	\$250	\$0.08	\$0.19	12%	\$85	
Overflows	\$16,000	\$141	\$334	\$147	\$1,275	\$1,897
					1	
15% up without SS	0 ea	Kilo 2165	Kilo 2165	P C 1224	5gal bu 15	
		\$0.08	\$0.19	15%	\$85	
		\$173	\$411	\$184	\$1,275	\$2,043
		-				\$3,940
	\$16,000	/	\$3,940		4.06 years	
	Sewer	Electricity	Treatment	Pump Life	Clorine	Total
	Sentries	Savings	Savings	Savings	Cost Saved	Savings
	_					_
T - John	41 ea	Kilo 8219	Kilo 8219	P C 1224	5gal bu 15	
Stopped	\$250	\$0.08	\$0.19	43%	\$85	
Overflows	\$10,250	\$658	\$1,562	\$527	\$1,275	\$4,022
						_
15% up without SS	0 ea	Kilo 2882	Kilo 2882	P C 1224	5gal bu 15	
		\$0.08	\$0.19	15%	\$85	
		\$231	\$548	\$184	\$1,275	\$2,238
						\$6,260
	\$10,250	/	\$6,260		1.64 years	
	Sewer	Electricity	Treatment	Pump Life	Clorine	Total
	Sentries	Savings	Savings	Savings	Cost Saved	Savings
Nichols	17 ea	Kilo 1350	Kilo 1350	P C 1100		
	\$250	\$0.08	\$0.19	54%		
	\$4,250	\$108	\$257	\$594		\$959
				-		
15% up without SS	0 ea	Kilo 373	Kilo 373	P C 1100		
		\$0.08	\$0.19	15%		
		\$30	\$71	\$165		\$266
						\$1,225
	\$4,250	/	\$1,225		3.5 years	

S	Sewer	Electricity	Treatment	Pump Life	Clorine	Total
S	Sentries	Savings	Savings	Savings	Cost Saved	Savings
Landreaux	16 ea	Kilo 469	Kilo 469	P C 1100		
	\$250	\$0.08	\$0.19	14%		
	\$4,000	\$38	\$90	\$154	•	\$282
						_
15% up without SS	0 ea	Kilo 498	Kilo 498	P C 1100		
		\$0.08	\$0.19	15%		
		\$40	\$95	\$165		\$300
						\$572
Г	\$4,000	/	\$572		7.0 years	
						•
			—			-
S	Sewer	Electricity	Ireatment	Pump Life	Clorine	lotal
S	Sentries	Savings	Savings	Savings	Cost Saved	Savings
	42	Kila 2200	1/11 2200	¢4,400	1	1
Lakewood	13 ea	Kilo 2390	Kilo 2390	\$1,100		
L	\$250	\$0.08	\$0.19	34%		
	Ş3,250	Ş191	Ş454	\$374		Ş1,019
15% up without SS	0 ea	Kilo 1070	Kilo 1070	P C 1100		I
		\$0.08	\$0.19	15%		
L		\$86	\$203	\$165		\$454
						\$1,473
Г	\$3.250	/	\$1.473		2.2 years	
	. ,		. ,		<i>.</i>	
l		Ele etuicitu	Treetweent	Durran Life	Clarine	Tatal
	Sewer	Electricity	Savings	Pullip Lile	Cost Saved	Sovings
<u>-</u>	benthes	Savings	Savings	Savings	CUSI Saveu	Savings
Harold Rd	5 ea	Kilo 625	Kilo 625	\$1,100		I
	\$250	\$0.08	\$0.19	12%		
L	\$1,250	\$50	\$119	\$132		\$301
			-			
15% up without SS	0 ea	Kilo 786	Kilo 786	P C 1100		
		\$0.08	\$0.19	15%		
		\$63	\$159	\$165	•	\$387
						\$688
Г	\$1,250	/	\$688		1.81 years	
						_

	Sewer	Electricity	Treatment	Pump Life	Clorine	Total
	Sentries	Savings	Savings	Savings	Cost Saved	Savings
Casa Linda	137 ea	Kilo 17579	Kilo 17579	\$2,800]
	\$250	\$0.08	\$0.19	20%		
	\$34,250	\$1,406	\$3,340	\$560		\$5,306
15% up without SS	0 ea	Kilo 13468	Kilo 13468	P C 2800]
		\$0.08	\$0.19	15%		<u></u>
		\$1,077	\$2,559	\$420		\$4,056
	\$34,250	/	\$9,362		3.65 years	<i>JJ,302</i>
	Sewer	Electricity	Treatment	Pump Life	Clorine	Total
	Sentries	, Savings	Savings	Savings	Cost Saved	Savings
Hart	39 ea	Kilo 3918	Kilo 3918	\$1,100]
	\$250	\$0.08	\$0.19	23%		1
	\$9,750	\$745	\$745	\$253		\$1,743
15% up without SS	0 ea	Kilo 2558	Kilo 2558	P C 1100]
		\$0.08	\$0.19	15%		
		\$205	\$486	\$165		\$856
						\$2,599
	\$9,750	/	\$2,599		3.75 years	
	Sewer	Electricity	Treatment	Pump Life	Clorine	Total
	Sentries	, Savings	Savings	Savings	Cost Saved	Savings
			-			
Nichols L.	321 ea	Kilo 10530	Kilo 10530	\$1,824]
	\$250	\$0.08	\$0.19	11%		1
	\$80,250	\$842	\$2,001	\$200	1	\$3,043
15% up without SS	0 ea	Kilo 14104	Kilo 14104	\$1,824		1
	Ī	\$0.08	\$0.19	15%		
	•	\$1,129	\$2,680	\$274	•	\$4,083
						\$7,126
	\$80,250	/	\$7,126		11.26 years	1

8. (SEV	WER S	ENTR	Y SYS	TEM	S
PR	OJECTED S	AVINGS IN PEI	RIODS 5.7.5	, AND 10 YEA	RS.	
	Sewer Sentries	Electricity Savings	Treatment Savings	Pump Life Savings	Clorine Cost Saved	Total Savings
164 Sunset	37 ea	Kilo 27753	Kilo 27753	\$1,224		1
	\$250	\$0.08	\$0.19	39%		1
	\$9,250	\$2,220	\$5,273	\$477		\$7,970
15% up without SS	0 ea	Kilo 10720	Kilo 10720	\$1,824]
		\$0.08	\$0.19	15%		
		\$858	\$2,037	\$274	-	\$3,169
	¢0.250	/	ć11 120		0.92	\$11,139
	\$9,250	/	\$11,139		0.85 years	
	Savings	Cost of				
	Per Year	Sewer Sentries				
Restful Hom.	\$3,940	\$16,000]			
T - Johns	\$6,260	\$10,250				
Nichols	\$1,225	\$4,250				
Landreaux	\$572	\$4,000				
Lakewood	\$1,473	\$3,250				
Harold Rd.	\$688	\$1,250				
Casa Linda	\$9,362	\$34,250				
Hart	\$2,559	\$9,750				
Nichols L.	\$7,126	\$80,250	5 Year	7.5 Year	10 Year]
	644.400	40.050	Results	Results	Results	
164 Sunset	\$11,139	\$9,250	Savings	Savings	Savings]

TOTAL	\$44,344	\$172,500	\$49,220	\$160,080	\$270,940

	690 Sew Sen	\$322 Ea	\$482 Ea	\$645 Ea
\$44,344		\$221,720	\$332,580	\$443,440

9. 50% WEST OUACHITA SEWER SYSTEM EQUIPPED WITH SEWER SENTRY- SAVINGS AND PAYOFF 2013-2015

Savings in 2015 with 50% Manholes Equipped with Sewer Sentries

Electricity	Tre	eatment	Pump Life	Clorine	Total
Savings	S	avings	Savings	Savings	Savings
	3	60000	116023		
		Х	Х		
		0.12	0.12		
18027.66	4	43200	13922.76	2000	77150.42

Cost of		
Sewer Sen		Savings in
1700		2015
Х		
<u>250</u>		
425000	/	<mark>\$77,150.42</mark>

SAVINGS \$77,150

5.5 Years Payoff

Note: 1700 of 3500 Manholes With the Sewer Sentries Installed. 50 %

Extra Rainfall of 4.3" in 2015 and 16.8" in 2016

More flow due to Point Repairs on completely Blocked lines. 200,000 GPD +

10. INFORMATION USED IN STUDY

ELECTRICAL BILLS FOR 2013 - 2015 - 2016

	Month	2013	2015	2016		
		52.6	56.9	69.4		
Г	1	19390.49	12155.16	15229.36		
	2	16169.71	13352.41	13185.26		
	3	12847.79	9679.67	16516.68		
_	4	11320.06	14013.92	10028.23		
	5	11134.55	10486.89	11403.84		
	6	12895.13	11209.83	11694.43		
	7	11062.33	12702.49	11668.85		
	8	11389.34	9642.77	12127.47		
	9	11119.77	9423.62	13938.38		
	10	11092.14	9901.71	10606.69		
	11	11841.94	10486.47	11361.04		
	12	13812.67	12993.32	14021.41		
		154075.92	136048.26	151781.64		
			18027.66	2294.28		
1	<mark>l year Sa</mark>	avings of Electricity Cost	12%	2%		
\$ per Inch o	f Rain	2929.20	2391.01	2187.06		
٦	Note:	1700 of 3500 Manholes W	Vith the Sewer Sentries	Installed. 50 %		
	Extra Rainfall of 4.3" in 2015 and 16.8" in 2016					
	More flow due to Point Repairs on completely Blocked lines. 200,000 GPE					

TREATMENT COST CALCULATION

2013	\$ per Month	Treatment	
1	19390.49	Cost per	
2	16169.71	Month Ave.	30000
3	12847.79		<u>X 12</u>
4	11320.06	Cost per year	360000
5	11134.55	Total Cost	154076
6	12895.13		/
7	11062.33	Cost per Kilow	<u>0.08</u>
8	11389.34	Kilowatts used	1925950
9	11119.77	Yr treatment	360000
10	11092.14		/
11	11841.94	Kilowatts used	<u>1925950</u>
12	13812.67	Treatment Co	st
Total Cost	154075.92	Per Killowatt	0.19

For Every 1 Kilowatt used it cost \$.19 of Treatment Cost

PUMP STATION COST PER YEAR CALCULATION

Size Pump	New	Parts	10 Year	1 Year	# Of Pumps	1 year Cost
2" Pump	3400	2100	5500	550	2	1100
3" Pump	3400	2100	5500	550	2	1100
4" Pump	3820	2300	6120	612	2	1224
6" Pump	5620	3500	9120	912	2	1824
8" Pump	8500	5500	14000	1400	2	2800
10" Pump	12000	7500	19500	1950	3	5850
12" Pump	24900	19000	43900	4390	3	13170

This is Based on a 10 Year Life Expectantcy of Pump Station with 1 Rebuild Job.

Labor is not included due to hard to establish the Cost.

This Cost is based on Gorman Rump Pump Manufactory and Employees at WOSD#5.

WOSD#5 PUMP STATION COST

PER YEAR

Pump Size	# of Pumps	New Pump	Parts	Total	10 Yr Total	Days Labor	Labor Cost
		\$	\$	\$		\$ 800 per Day	10 Yr Total
2"	10	3400	2100	5500	55000	10	8000
3"	58	3400	2100	5500	319000	58	46400
4"	18	<u>3820</u>	2300	6120	110160	18	14400
6"	10	5617	3500	9117	91170	10	8000
8"	9	9500	7300	16800	151200	12	9600
10"	3	12000	8500	20500	61500	10	8000
12"	6	24900	19000	43900	263400	18	14400

108800
/
10
\$10,880

WOSD#5 Cost of 54 Pump Stations for 1 Year \$116,02

Summary Account 52792066 Statement For MARCH 2013 Mail Date 04/11/2013 **Collective Bill**

Business Solutions Center 877-ETRBIZZ (877-387-2499); 8a-5p, Mon-Fri

	annovanaero 10 caratero 10 caratero	siana, LLC Isiana.com	Su	mmary Stater CO	Acc nen Iail	t For MARG Date 04/11	206 CH /20	56 2013 D13 Bill	Business Solutions Center 877-ETRBIZZ (877-387-2499); 82 Power Outage or Safety Concer 800-968-8243 (800-9OUTAGE)	a-5p, Mo rn, 24 hr:	n-Fri s/7days
ł		Basic Bill Fo	or We	st Ouac	hite	a Sewerage	Þ	Dít. #5			
)	Detall Number	Current Month Energy Ghatges	Billing Status	Rate	Qty	Service Dates		Meter Number / Facility Type	Serviçe Çocation / [D	Billed Demand	Billed kWh:/ CCF/MBtu
1	39152988	5111.22	ACTIVE	MP		02/15/2013 03/18/2	013	844931	Evergreen And Tulip West Monroe		1312
	39153150	\$103,50	ACTIVE	MP		02/11/2013 03/12/2	013	7230242	Ark And Henderson G2 West Monroe	7.26	765
	52529203	\$66,23	ACTIVE	SGS		02/14/2013 03/14/2	013	3202202	153 Netherland St West Monroe	3.50	334
	91612341	\$22.64	ACTIVE	SGS		02/11/2013 03/12/2	013	3351904	Forty Oaks Farm Rd West Monroe	3.00	56
	102669645	\$54.31	ACTIVE	SGS		02/11/2013 03/11/2	013	3270980	1 Hamilton Park West Monroe	9.00	217
	25270828	\$49.25	ACTIVE	MP		02/07/2013 03/12/2	013	668732	Standard Reed Rd West Monroe		581
	25272964	\$2,563.56	ACTIVE	MP		02/07/2013 03/11/2	013	648520	Kiroli Rd Station C West Monroe	96.00	30240
	26476747	\$33.28	ACTIVE	MP		02/15/2013 03/19/2	013	759996	Central And Ransom St West Monroe		181
	28221562	\$26.69	ACTIVE	MP		02/22/2013 03/25/2	013	675717	Jennifer Ln West Monroe		273
	28221885	\$27.37	ACTIVE	MP		02/08/2013 03/11/2	013	785865	Landreaux West Monroe		290
	28222156	S34 53	ACTIVE	MP		02/15/2013 03/19/2	013	7144595	160 Sterling Ave West Monroe	5.00	97
	28222537	\$20.40	ACTIVE	MP		02/07/2013 03/12/2	D13	7012207	Hidden Lakes Sew Stati West Monroe		117
	29254760	\$137.33	ACTIVE	MP		02/07/2013 03/08/2	013	660365	Restful Harnes Rd West Monroe		1620
	29254950	\$38.03	ACTIVE	MP	=	02/07/2013 03/11/2	013	3381878	Nichols Dr West Monroe		299
	29255247	\$146.85	ACTIVE	MP		02/11/2013 03/11/2	013	844962	T John Rd West Monroe		1732
	29255494	\$25.52	ACTIVE	MP		02/11/2013 03/11/2	013	3358013	Forest Vig Mbi Lot17 West Manroe	4.20	244
	29255825	\$57.81	ACTIVE	мр		02/12/2013 03/12/2	013	7638969	Lakewood Dr West Monroe		682
	29256047	\$358.43	ACTIVE	MP		02/13/2013 03/14/2	013	3381059	Ovachita Pkg Near I-20 West Monroe	26.15	4228
	29256625	\$102.75	ACTIVE	MP		02/11/2013 03/13/2	013	7144670	Love Rd Sta H West Monroe	11.94	1212
	29257680	\$22.74	ACTIVE	MP		02/11/2013 03/13/2	013	7155680	Lakeland Gardens WestMonroe	0,94	175
	29258274	\$43.67	ACTIVE	MP		02/11/2013 03/12/2	013	403965	Harrell Rd West Monroe		439
ì	29259082	\$84.42	ACTIVE	MP		02/15/2013 03/19/2	013	851275	Jewell St At Richardso West Monroe		996
1	29261369	S17 82	ACTIVE	MP		02/13/2013 03/15/2	013	729335	Short Cox St West Monroe		53
	29261658	\$57 56	ACTIVE	MP		02/13/2013 03/16/2	013	3376518	Parker St West Monroe	18 69	679
	29261872	\$223 73	ACTIVE	MP		02/11/2013 03/12/2	013	844061	New Natchitoches Rd West Monroe		2639
	29262045	S27.98	ACTIVE	MP		02/15/2013 03/18/2	013	7138180	Off Walters On Lashay West Monroe		305
	29262300	\$2,007.45	ACTIVE	MP		02/18/2013 03/19/2	013	7639060	Lenwil Rd West Monroe	86 40	23680
	29262565	\$45.95	ACTIVE	MP		02/11/2013 03/12/2	013	7040101	121 Wolf Lair Dr West Monroe		542
	29262805	\$721 59	ACTIVE	MP		02/07/2013 03/11/2	013	848814	Nichols Dr Station L West Monroe		8512
	29263142	531,11	ACTIVE	MP		02/08/2013 03/11/2	013,	7485790	Post Oaks Estates Rd West Monroe		127
	29253639	\$15.93	ACTIVE	MP		02/14/2013 03/14/2	013	900576	Wallace Dean Rd West Monroe		6
	29264264	530.61	ACTIVE	MP		02/11/2013 03/12/2	013	3356245	Green Springs Sub West Monroe	8.94	361
	29255410	\$132.17	ACTIVE	MP		02/11/2013 03/12/2	013	7230188	Hart Rd West Monroe	7 90	1559
	29266285	\$65.36	ACTIVE	MP		02/15/2013 03/18/2	013	7220852	Smith St West Monroe		771
	29268752	\$125.27	ACTIVE	MP		02/18/2013 03/19/2	013	851964	Hinton And Hickory West Monroe		535
<u> </u>	29281011	\$771 71	ACTIVE	MP		02/13/2013 03/12/2	013	7223867	Casa Linda Sdrea222 West Monroe	60.92	9103
-	29282647	\$27.85	ACTIVE	MP		02/11/2013 03/12/2	013	3429835	Kenny Lri West Monroe		302
	29283298	\$18.31	ACTIVE	MP	••••	02/11/2013 03/11/2	013	665424	Sebron Ln West Monroe		65
	29285871	\$275.68	ACTIVE	MP		02/11/2013 03/13/2	013	3268676	164 Sunset Rd West Monroe	28.18	3252
	29286770	S1 329 25	ACTIVE	MP		02/14/2013 03/14/2	013	3255430	Hilton Station N West Monroe	147 20	15680
	29287604	\$485.46	ACTIVE	MP		02/15/2013 03/19/2	013	7063052	N Side And End Douglas St West Monroe	25 67	3077
— —	29288149	\$38.68	ACTIVE	MP		02/08/2013 03/08/2	013	3355542	Tupaw Manor Aptre West Monroe	10 12	315
	29288982	\$33.88	ACTIVE	MР		02/08/2013 03/08/2	013	3252242	Lakeside Dr West Monroe	5.62	196
-	29290509	\$788.41	ACTIVE	MP		02/08/2013 03/08/2	013	N6003059	Pinecrest D 1 West Monroe	34 97	2138
	29291101	\$19.68	ACTIVE	MP		02/11/2013 03/12/2	013	815229	Ashwood Ironwood West Monroe	·	99
-	29291382	\$121.89	ACTIVE	MP		02/11/2013 03/13/2	013	776342	327 WellRd West Monroe		1438
' <u></u>	29291572	\$156.41	ACTIVE	MP		02/15/2013 03/18/2	013	856110	New Natch And Wash West Monroe		1845
) =	29292455	\$154.71	ACTIVE	MP		02/15/2013 03/18/2	013	757961	Off Olice On Parn West Monroe		1825
	29354131	\$352.00	ACTIVE	SGS		02/08/2013 03/11/2	013	7092670	327 Wallace Ro West Monroe	14.00	2376
	29453537	5186 24	ACTIVE	MP		02/11/2013 03/12/2	013	3383533	Barfoot Rd West Monroe	10.78	1961
	20452220	¢ 47 87		240		D244 1/2012 (024/2/2	011	7238000	1 20 And Well Road Lift Montos	<u> </u>	

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nitergy Louisiana. LLC entergy-louisiana.com

Summary Account 02/92000 Statement For MARCH 2015 Mail Date 04/13/2015 Collective Bill

Business Solutions Center 877-ETRBIZZ (877-387-2499); 8a-5p, Mon-Fri

Power Outage or Safety Concern, 24 hrs/7days 800-968-8243 (800-9OUTAGE)

1101 1 62

Level I - Basi	c Bill Fo	r - We	st Ouac	hita	Sewe	rage D	it. #5			
Detail Curr	rent Month Energy	Billing			Service	Dates	Meler Number	Sender Labitla (ID	Billed	Bilied kWh /
	sharges	otatus -	Kale	wiy	FLOIR		A Facility () Pa			
29254760	\$107.64	ACTIVE	MP		02/06/2015	03/11/2015	3391834	Restlut Homes Rd West Monroe	24.37	1448
29254950	\$33.19	ACTIVE	MР		02/06/2015	03/11/2015	3381878	Nichols Dr West Monroe		185
29256247	\$100.41	ACTIVE	MP		02/09/2015	03/12/2015	844962	T John Rd West Monroe		1351
29255494	\$24.64	ACTIVE	MP		02/09/2015	03/12/2015	3358013	Forest Vig Mbi Lat17 West Monroe	6 14	291
29255825	\$33.91	ACTIVE	MP		02/10/2015	03/16/2015	7638969	Lakewood Dr Wesl Monroe		456
29256047	\$546.90	ACTIVE	MP		02/12/2015	03/16/2015	3381059	Ouachila Pkg Near I-20 West Monroe	50.46	7358
29286625	\$125.46	ACTIVE	MP		02/10/2015	03/13/2015	7144670	Love Rd Sta H West Monroe	15.91	1588
20257680	52126	AGTIVE	MP		02/10/2015	03/12/2015	7155680	Lakeland Gardens West Monroe	5.51	:59
29258274	\$3976	AGTIVE	MP		02/10/2015	03/13/2015	403965	Harrell Rd West Monroe		141
29259682	\$124.86	ACTIVE	MP		02/17/2015	03/19/2015	851275	Jewell SI Al Richardso West Monroe		1580
29251369	\$32.26	ACTIVE	мр		02/12/2015	03/16/2015	729335	Short Cox SI West Monroe	. <u></u> .	434
29281658	\$123.84	ACTIVE	MP		02112/2015	03/16/2015	3376518	Parker St West Monroe	17 13.	1565
30,51272	\$221.49	ACTIVE	NP		071072015	004392015	844061	New Natchiloches Rd West Monroe		2980
0926/m46	\$47.05	ACTIVE	MP		07/16/2015	00/18/2015	7138180	Off Walters On Lashay West Monroe		633
29252300	51,831,39	ACTIVE	MP		02/17/2015	03/19/2015	7639060	Lenwil Rd West Monroe	140.80	24640
29262565	\$43.05	ACTIVE	MP	ļ	02/10/2015	03/13/2015	7040101	121 Wolf Lair Dr West Monroe		579
29262805	\$719.01	ACTIVE	MP		02/06/2015	03/13/2015	848814	Nichols Dr Station L West Monroe		9674
20253142	\$32.02	ACTIVE	MР		02/09/2015	03/12/2015	7485790	Post Oaks Estates Rd West Monroe		 130
29261639	\$17.49	ACTIVE	WP		02112/2015	03/16/2015	900576	Wallace Dean Rd West Monroe		12
20054364	\$33.97	ACTIVE	MP		02110/2015	03/13/2015	3356245	Green Springs Sub West Monroe	5 28	457
29265410	\$104.51	ACTIVE	MP		02/10/2015	03/13/2015	3454581	Hart Rd West Monroe		1406
29266265	\$69.50	ACTIVE	MP		02/17/2015	03/18/2015	7220852	Smith St West Monroe		9.35
29268752	\$148.06	ACTIVE	MP		02/17/2015	03/19/2015	851964	Hinton And Hickory West Manroe		1347
29281011	\$681.93	ACTIVE	MP		02/10/2015	03/14/2015	7223867	Casa Linda Sdrea222 West Monroe	63.80	<u>9175</u>
2928264*	\$36.28	ACTIVE	MP		02/09/2015	03/13/2015	3429835	Kenny La West Monroe		488
29083298	\$18.72	AGTIVE	MP		02/09/2015	03/12/2015	665424	Sebron Ln West Monroe		<u>50</u>
29285871	\$323.55	ACTIVE	MP		02/10/2015	03/13/2015	3268676	164 Sunsel Rd West Monroe	26.79	4353
29286770	\$1.997.90	ACTIVE	MP		02112/2015	03/16/2015	3255430	Hillon Station N West Monroe	144.00	26886
29287604	\$524.98	ACTIVE	мР		02/16/2015	03/20/2015	7063052	N Side And End Douglas St West Monroe	54 84	5043
00288144	538 57	ACTIVE	MP		/12/06/2015	03/11/2015	3355542	Tupaw Manor Aptre West Monroe	9 20	395
29/288682	\$38.17	ACTIVE	MP		02406/2015	03/12/2015	3252242	Lakeside Dr Wost Monroe	5.40	379
20290509	\$831.02	ACTIVE	MP		02:06/2015	Da/+1/2015	N6003059	Pinecresi D 1 West Monroe	18.80	2474
<u>(0,01101</u>	\$22.82	ACTIVE	MP		07:10/2015	03/16/2015	815229	Ashwood Ironwood West Monroe	ļ	220
20,291382	\$61.85	ACTIVE	MP		02/10/2015	63/13/2015	776342	327 Woll Rd West Monroe	ļ	. 352
29291572	\$158.69	AGTIVE	MP		02/17/2015	03/18/2015	856110	New Natch And Wash West Monron		2136
29292455	\$181.35	ACTIVE	MP		02116/2015	00/18/2015	757961	Oll Olice On Pam West Monroe	ļ <u> </u>	2440
39152988	\$225.13	ACTIVE	MP		02/17/2015	03/18/2015	844931	Evergreen And Tulip West Monroe	<u> </u>	3629
20153150	\$68.00	ACTIVE	MP		12: 0/20:5	93/13/2015	7230242	Ark And Henderson G2 West Monrog	7 OĈ	915
52529203	\$106.48	ACTIVE	SGS		02/12/2015	03/16/2015	3202202	153 Netherland SI West Monroe	7 56	596
26476747	\$35.86	ACTIVE	MP		02116/2015	03/20/2015	759996	Central And Ransom St West Monroe		239
20463537	595 20	ACTIVE	MP		02/10/2015	0J/ 3/2015	3383533	Barlool Rd West Monroe	11.97	1281
29452776	\$37.12	ACTIVE	MP		02/10/2015	03/13/2015	7238909	1 20 And Well Road Lift West Monroe		338
25270828	\$56.35	ACTIVE	MP	1	02/09/2015	03/14/2015	668732	Standard Reed Rd West Monroe		*58
102669645	\$59.31	ACTIVE	SGS	1	02/09/2015	0.1/12/2015	3270980	1 Hamilion Park West Monroe	9 00	283
25272964	\$2 586.53	ACTIVE	MP		02105/2015	03/13/2015	648520	Kiroli Rd Station C West Monroe	88.86	34800
29354121	5416.00	ACTIVE	SGS	1	0//09/2015	UD/10/2015	7092670	327 Wallace Rd West Monroe	20.00	2868
2-2.1562	544.98	ACTIVE	MP		0212672015	03/25/2015	675717	Jenniler La West Manron		60.5
0.4 2085	\$55.67	ACTIVE	MF		դր հերը։ հ	01-18/2015	874192	Latham Ln West Monroe		-10
	\$624.32	ACTIVE	MP		02417/2015	03/19/2015	3241272	Church And Levee St West Monroe	105.60	3450
27221885	524.36	ACTIVE	MP		02/09/2015	03/12/2019	785865	Landreaux West Monroe		280
28222156	519.82	ACTIVE	MP		02/17/2019	03/19/201	7144595	160 Sterling Ave West Monroe	1.23	103



Entergy Louisiana, LLC entergy louisiana.com

Summary Account 52792066 Statement For MARCH 2016 Mail Date 04/12/2016 Collective Bill

Business Solutions Center 877-ETRBIZZ (877-387-2499); 8a-5p, Mon-Fri Power Outage or Safety Concern, 24 hrs/7days 800-968-8243 (800-90UTAGE)

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				136			· and research for the second			
Dofall	Current Month	Dilition		- 1 <u>- 5</u> 22	Servic	e Dates				Billed
Number	Charges ÷	Status	Rate	Qty	From	To -	/Facility Type	Service Location / ID	Demand	CCF /MBtu
29453537	\$100.51	ACTIVE	MP		02/11/2016	03/14/2016	3383533	Barloot Ro West Monroe	12.26	1342
29453776	\$40.20	ACTIVE	MP		02/11/2016	03/14/2016	7238909	1 20 And Weil Road Lift West Monroe		453
29254760	\$126.80	ACTIVE	MP		02/09/2016	03/10/2016	3391834	Restful Homes Rd West Monroe	25.38	1693
29254950	\$30.79	ACTIVE	MP		02/08/2016	03/10/2016	3381878	Nichols Dr West Monroe		106
29255247	\$75.22	ACTIVE	MP		02/09/2016	03/11/2016	844962	T John Rd West Monroe		1004
29255494	\$29.44	ACTIVE	MP		02/10/2016	03/12/2016	3358013	Forest Vig Mbi Lot17 West Monroe	8.42	393
29255825	\$40.45	ACTIVE	MP		02/11/2016	03/12/2016	7638969	Lakewood Dr West Monroe		54(
29256047	\$503.66	ACTIVE	MP		02/15/2016	03/16/2016	3381059	Ouachita Pkg Near I-20 West Monroe	56.04	672
29256625	\$136.61	ACTIVE	MP		02/11/2016	03/12/2016	7144670	Love Rd Sta H West Monroe	15.95	1824
29257680	\$22.12	ACTIVE	MP		02/11/2016	03/11/2016	7155680	Lakeland Gardens West Monroe	5,63	19
29258274	\$38.87	ACTIVE	MP		02/11/2016	03/12/2016	403965	Harrell Rd West Monroe	<u> </u>	404
29259082	\$145.84	ACTIVE	MP		02/17/2016	03/17/2016	851275	Jewell St At Richardso West Monroe		194
29261369	\$62,77	ACTIVE	МР		02/16/2016	03/15/2016	729335	Short Cox St West Monroe		838
29261658	\$136.31	ACTIVE	MP		02/16/2010	03/15/2016	3376518	Parker St West Monroe	24.57	1820
29261872	\$177.52	ACTIVE	MP		02/11/2016	03/14/2016	844061	New Nalchitoches Rd West Monroe		2370
29262045	\$133.84	ACTIVE	MP	1	02/17/2016	03/17/2010	7138180	Off Walters On Lashay West Monroe		178
29262300	\$1.749.71	ACTIVE	MP		02/18/2016	03/18/2016	7639060	Lenwil Rd West Monroe	137.60	23360
29262565	\$58.27	ACTIVE	MP	1	02/11/2016	03/15/2016	7040101	121 Wolf Lair Dr West Monroe	†	778
29262805	\$789.68	ACTIVE	MP		02/08/2016	03/10/2016	848814	Nichols Dr Station West Monroe		1054
29263142	\$32,91	ACTIVE	MP		02/09/2016	03/10/2016	7485790	Post Oaks Estates Rd West Monroe	<u> </u>	18
29263639	\$17.39	ACTIVE	MP	1	02/15/2016	03/15/2016	900576	Wallace Dean Rd West Monroe		2
29264264	\$33.85	ACTIVE	MP		02/11/2016	03/11/2016	3356245	Green Springs Sub West Monroe	8.23	45
29265410	\$125.39	AGTIVE	MP		02/11/2016	03/12/2016	3454581	Hart Rri Wast Monroe	5.20	167
29266285	\$67.42	ACTIVE	MP		02/17/2016	03/17/2016	7220852	Smith Si West Monroe		90
29268752	\$190.16	ACTIVE	MP		02/18/2016	03/18/2016	851964	Hinton April Hickory West Manroe		253
29281011	\$783.77	ACTIVE	MP		02/11/2016	03/12/2016	3528687	Casa Linda Sdrea222 West Monroe	78.35	1046
29282647	\$44.72	ACTIVE	MP		02/09/2016	03/11/2016	3429835	Kenny Ln West Monroe		59
29283298	\$19,91	ACTIVE	MP		02/09/2016	03/11/2016	665424	Sebron Ln West Monroe		11:
29285871	\$483.04	ACTIVE	MP		02/11/2016	03/12/2016	3268676	164 Sunset Rd West Monroe	25.17	644
29286770	\$1,989.40	ACTIVE	мр		02/15/2016	03/15/2016	3255430	Hilton Station N West Monroe	144.00	2656
29287604	\$543.92	ACTIVE	МР		02/17/2016	03/17/2016	7063052	N Side And End Doudlas St West Monroe	53.01	574
29288149	\$41.72	ACTIVE	MP	1	02/09/2016	03/11/2016	3355542	Tupaw Manor Aptre West Monroe	17.25	50
29288982	\$35,70	ACTIVE	MP		02/08/2016	D3/09/2016	3252242	Lakeside Dr West Monroe	7.87	28
29290509	\$840,17	ACTIVE	MP	ļ ——	02/08/2016	03/10/2016	N6003059	Pinecrest D 1 West Monroe	34.09	316
29291101	\$21.31	ACTIVE	MP	<u> </u>	02/11/2016	03/12/2016	815229	Ashwood ironwood West Monroe		16
29291382	\$43.13	ACTIVE	MP		02/11/2016	03/14/2016	776342	327 Well Rd West Monroe		56
29291572	\$188.05	ACTIVE	MP		02/17/2016	03/17/2016	856110	New Natch And Wash West Monroe		251
29292455	\$218.77	ACTIVE	MP		02/17/2016	03/17/2016	757961	Off Olite On Parr West Monroe		201
39152988	\$274.21	ACTIVE	MP	<u> </u>	02/17/2016	03/17/2016	844931	Everyraen And Tulio West Monroe		202
39153150	\$90.10	ACTIVE	MP		02/11/2016	03/11/2016	7230242	Ark And Henderson G2 Mast Manroe	P.00	100
52529203	\$116.61	ACTIVE	SGS		02/15/2016	03/16/2010	3202202	153 Netherland St West Monroe	7.50	66
26476747	\$57.45	ACTIVE	MP	<u> </u>	02/17/2016	03/17/2018	759996	Central And Ransom St Mast Monroe	1.00	70
25270828	\$90.50	ACTIVE	MP		02/10/2018	03/11/2018	668732	Standard Read Rd West Meanon		0) 420
102669645	\$75.39	ACTIVE	SGS		02/10/2014	03/12/2014	3270980	1 Hamilton Park Most Mostos	10.00	120
25272964	\$4 152 56	ACTIVE	MP		02/08/2018	03/10/2016	648520	Kiroli Rd Station C Most Moston	102.00	38
91612341		ACTIVE	sgs		02/11/2016	03/12/2016	3351904	Forty Oaks Farm 9d West Montos	100,80	3044
30432083	\$70.32 \$70.34	ACTIVE	MP		02/17/2014	03/18/2010	874192	Lalbam La West Messee	3.50	49
30433254	\$070.34	ACTIVE	MP		02/19/2010	19/19/9040	3741279	Countril Lit west Workfore	100.00	93
29354131	\$370.74 \$367.97	ACTIVE	sas		02/10/2010	03/19/2010	3531728	227 Walloop Rel West Monroe	100.80	1296
28221562	\$007.27 \$28.22	ACTIVE	MP	Ì	02/24/2010	03/2/2010	675717	Lengifer La West Mosso	17.50	1920
28991885	\$95.05	ACTIVE	MP	-	02/00/2014	03/14/0014	785865			48
26221665	\$25.98	AUTIVE	l táil.	1	u2/09/2016	^{03/11/2016}	1 40800	Landreaux West Monroe	1	8

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