

Writer's Direct Dial Number: (850) 521-1706
Writer's E-Mail Address: bkeating@gunster.com

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E-PORTAL FILING

Ms. Carlotta Stauffer, Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

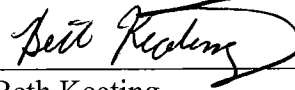
Re: Docket No. 20170150-EI - Petition for limited proceeding to include reliability and modernization projects in rate base, by Florida Public Utilities Company.

Dear Ms. Stauffer:

Attached, please find Florida Public Utilities Company's responses to staff's second set of data requests in the referenced docket.

As always, please don't hesitate to let me know if you have any questions. Thank you for your assistance with this filing.

Kind regards,



Beth Keating
Gunster, Yoakley & Stewart, P.A.
215 South Monroe St., Suite 601
Tallahassee, FL 32301
(850) 521-1706

cc:/ (Certificate of Service)

Docket No. 20170150-EI – Petition for limited proceeding to include reliability and modernization projects in rate base, by Florida Public Utilities Company.

Florida Public Utilities Company’s Response to Staff’s Second Data Request

1. On page 2, paragraph 5, FPUC reported that it has moved into the second phase of its modernization plan.
 - a) Please provide detailed information regarding the first phase of your modernization plan, including what activities were undertaken, amount spent, and dates projects were completed.
 - b) How many phases are involved in FPUC’s modernization plan?

Company Response:

In responding to this request, the Company discovered the reference of \$29M, found in paragraph 8 of page 4, spent in phase 1 was incorrectly stated, as was the same information at page 9 of Mr. Cassel’s testimony.¹ In fact, the amount represented by phase 1 should be \$19M. The investments that make up this \$19M are included in this response as Attachment A.

- a) **The term “phases” referred to in paragraph 5 of page 2 are not related to a typical engineering phase of a project that has a defined start and end. Likewise, the Company has not defined a specific set of projects that correlate to each phase. Rather the phases, as discussed in this instance, relate to an internal nomenclature used to identify the general stages of system stabilization, storm hardening and modernization that began with the acquisition of FPUC by Chesapeake Utilities and are on-going. For example, the first “phase” began in 2009 when Chesapeake Utilities Corporation, acquired FPUC’s electric system and ended with the completion of the base rate proceeding in Docket No. 140025. Any projects completed from the acquisition until that point were included in the MFRs for Docket No. 140025. At that time, FPUC’s facilities were suffering from chronic reliability issues, and overall system degradation resulting from age, location and lack of modern technology. Upon the acquisition, Chesapeake undertook a long-term strategy aimed at improving system performance, reliability, as well as enhancing its ability to respond timely to service issues and provide a more consistent customer experience. This first phase of**

¹ The \$29M was improperly a reflection of information in paragraph 6 of the Petition filed in now-closed Docket No. 20170033-EI (“ESTAR”). However, as set forth in that Petition, the \$29M reflected not only projects undertaken since the acquisition by Chesapeake, but also all projects through December 2016, and thus, included projects post-rate case for which the Company was seeking recovery in the ESTAR proceeding. FPUC regrets the oversight and error, and is filing corrected pages.

improvements were designed to bring stability to the existing system and avoid further degradation. In this phase, the Company invested approximately \$19M in reliability projects (see Attachment A to these responses).

- b) The second phase are the projects identified in this Petition. Unlike the initial phase, this is a discrete set of projects aimed at modernization and storm hardening FPUC's system. The projects included in this Petition started at the conclusion of the rate case and run through 2017. These projects are not intended to recover all of the Company's investments, rather a specific set of initiatives intended to build on the stability achieved and further storm harden and modernize FPUC's system. The projects included in this phase, and Petition, are aimed at improvements to safety and modernization that the Company anticipates will provide sustainability while also providing FPUC's customers with more consistent customer service.

Ultimately, the Company's goal was, and continues to be, the modernization of its electric system that will provide a customer experience that is comparable with that of the customers of Florida's largest IOUs. To that end, FPUC sees projects going forward as those that will continue to build on the improvements of the past while identifying new technologies such as Supervisory Control and Data Acquisition System (SCADA) and Advanced Metering Infrastructure system (AMI) that move it forward.

2. On pages 3 to 4, paragraph 7, FPUC reported that Hurricane Matthew, in October 2016, helped the Company identify additional upgrades that were needed to FPUC's systems.
 - a) What were the additional upgrades?
 - b) Are any of these additional upgrades included in this case?

Company Response:

- a) Hurricane Matthew helped identify the necessary upgrades referred to on Pages 3 to 4, paragraph 7 by demonstrating the effectiveness of the efforts made thus far. For example, replacing wooden poles with concrete poles helped mitigate wind damage to the system on Amelia Island. What the Company found was that the reinforced poles remained undamaged from the storm. Additionally, the use of applications such as SCADA, and AMI allow FPUC to identify breaker status, as well as manage and restore the system remotely thereby keeping employees and resources off the road during critical times. This hurricane also demonstrated that undergrounding the facilities effectively protects them from wind events like Matthew.
- b) No, these are projects that are being contemplated for future completion.

3. On page 7, paragraph 15, FPUC reported the FPL interconnect project is a key component of FPUC's overall storm hardening effort, please explain in what way.

Please refer to Attachment B – Exhibit A:

Company Response:

This project will provide FPUC with a connection to the JEA 138 KV transmission grid and the FPL 230 KV transmission grid via a short FPL 138 KV transmission line. During storm situations, this provides redundancy to the electrical transmission supply to Amelia Island, which will improve the overall system resiliency during storm events.

4. Are any of the projects listed on this exhibit complete? Please provide a list of those projects. Please include:
 - a) When were they completed?
 - b) How much did FPUC spend on those projects?
 - c) How were those project costs recovered?

Company Response:

Exhibit MDC-2 page 1 of 2 breaks down the completed costs at May 26, 2017 and the projected costs. Three of the projects shown to be completed on this schedule had small additional amounts that were closed in June 2017. However, several of the projects that included a forecast for the remainder of 2017 were almost complete at the end of June, such as the electronic reclosers and voltage regulators. Decayed poles are always being replaced. However, the amount forecasted included only the portion expected to be complete in 2017.

a) and b) The following projects were completed:

1. **Install New SCADA at JLT and SD \$1,058,910 completed March 2017**
2. **Loop Underground Feed in Amelia Park Subdivision NE Division \$42,103.26 completed June 2017**
3. **Replace Conduit/Cable-Forrest Ridge Condos NE Division \$225,929 completed June 2016**
4. **Extend Underground Feeder #312 Airport to S. Fletcher-Cond./SW NE Division \$705,235.60 completed June 2017**
5. **Phase Down HWY 73 \$40,939 completed December 2016**
6. **Rebuild AIP Substation NE Division \$3,124,123 completed December 2016**
7. **Replace 69KV Pole with Concrete NE Division \$2,555,295.22 completed June 2017**
8. **Storm Harden Prison Feeder from Substation to High School NW Division \$76,481 completed December 2016**

- c) None of the project costs included in the filing have been recovered and have resulted in the Company under-earning.**

5. What storm hardening and modernization/safety projects are included in current rates?

Company Response:

None of the projects included in this filing are included in current rates. As discussed in response to question #1 above, the projects included in this Petition have been, or will be, completed subsequent to Commission approval of the Company's last base rate case.

Please refer to witness Shelley's Testimony:

Modernization/Safety projects

6. On page 3, lines 12 through 15, witness Shelley testified that the "initial phase" focuses on capital projects.
- a) Is this "initial phase" the same as the first phase of FPUC modernization plan noted in the Petition?
 - b) If not, please provide detailed information regarding this "initial phase", including what activities were undertaken, amount spent, and dates projects were completed.

Company Response:

Yes, initial phase is the same as the first phase.

Replace conduit/cable – Forest Ridge condos

7. On page 8, line 5 through 10, witness Shelley testified that the old underground cable in the Forest Ridge condos area experienced several failures as a result of corrosion of the concentric neutral and these failures resulted in extended customer outages.
- a) How did the concentric neutral become corroded?
 - b) How will this project correct this issue?
 - c) Please provide the age and specifications of the underground cable being replaced.
 - d) Please provide the specifications of the new underground cable.
 - e) Please provide outage information, such as the frequency and duration, related to this project for 2012 through 2017.
 - f) What was the date this project was completed?

Company Response:

- a) The old cable was direct buried, which allows the concentric neutral that is located on the outside of the cable insulation, to be exposed to the earth and moisture.
- b) The new cable is installed inside conduit and the cable is covered with a protective jacket that isolates it from the elements.
- c) The cable is 34 years old, XLPE unjacketed, 15kV, #2 Aluminum.
- d) Okonite's Okoguard URO-J 15kV Underground Primary Distribution Cable-Jacketed, Filled Strained Aluminum Class B Stranded Conductor, 105 Degrees C Rating, 133% Insulation Level.

e) **FORREST RIDGE FUS 1033 (Outage History Report)**

From: 01/01/2014 To: 08/18/2017

Service Type: 1 Electric

District: 0 Complete

Model

LineSect:

FS.2759

Ordered By:

sub_number

Device

Incidents

Sub	Fd	LineSect	Code	Device Name	Incident	Time Date:	Classifications
22	311	FS.2759	FUSE	FUS_1033	D487708	2014/07/24	A No Power 02 OH Equipment- Fuse/Switch 11 Outage
			MapLoc:			Time: 11:14 Dur: 00:31	
			Phases Used:	A	Phases Off:	A	01 Normal
			Consumers:	Out: 75	Hrs: 38.8	Tkts: 6	01 None
			Dispatches:	Employee	Kildow, Parrish (pkildow)		

All of the other outages for the Forest Ridge Condo's customers were prior to 2014 when we replaced our old OMS with a new system and are not available.

f) **June, 2016.**

Installed a loop underground feed in Amelia Park subdivision

- 8. On page 8, lines 12 through 18, witness Shelley testified that when the original underground service to the Amelia Park subdivision was installed, a backup source was not FPUC's standard practice.
 - a) When was the original underground service installed?

- b) When did FPUIC change its design standards to include loop (backup) feed on main underground services?
- c) Please provide outage information, such as frequency and duration, related to this project for 2012 through 2017.
- d) What was the date this project was completed?

Company Response:

- a) **The original service was installed in 1997.**
- b) **Design standards were changed in 2010.**
- c) **This project was implemented to prevent outages to existing customers when new services were requested. Prior to adding a backup source, when a new service in this community was requested the entire area had to be interrupted to complete the work.**
- d) **The project was completed June 2017.**

Replaced underground cable NW Division

- 9. On page 8, lines 19 through 22 and page 9, lines 1 through 3, witness Shelley testified that the old underground cable in the Oaks and North Oaks subdivisions experienced several failures as a result of corrosion of the concentric neutral and these failures result in extended customer outages.
 - a) What are the specifications of the underground cable being replaced and of the underground cable that will replace it?
 - b) Please provide outage information, such as frequency and duration, related to this project for 2012 through 2017.
 - c) When is this project estimated to be completed?

Company Response:

- a) **The old cable is XLPE unjacketed URD, 15kV, #2 Aluminum, 175 MILS. Replacement is Okonite's Okoguard URO-J 15kV Underground Primary Distribution Cable – Jacketed, Filled Stranded Aluminum Class B Stranded Conductor, 105 Degrees C Rating, 133% Insulation Level, 220 MILS.**
- b) **The outage information that justified the Oaks and North Oaks Projects was lost when we replaced our old OMS system in 2014.**
- c) **All of the NW underground projects included in this filing will be completed by December, 2017.**

Replaced substation voltage regulators NW Division

- 10. On page 9, lines 4 through 10, witness Shelley testified that old voltage regulators were replaced with new units.
 - a) Please explain the difference between the old voltage regulators and the new voltage regulators.

- b) Please describe how the old voltage regulators were failing.
- c) What is the age of the old voltage regulators?
- d) Please provide outage information, such as frequency and duration, related to this project for 2012 through 2017.
- e) When is this project estimated to be completed?

Company Response:

- a) **The new voltage regulators have programmable logic controls that allow advanced applications, such as volt/var control, and faster acting tap changers that respond quicker to load changes which improves efficiency and cost savings. The new Voltage Regulators also provide predictive maintenance capabilities that monitors contact wear which eliminates unnecessary maintenance.**
- b) **The old voltage regulator tap changers were locking up in one tap position that did not allow for voltage regulation when loads changed.**
- c) **The age varies from 40 to 50 years old.**
- d) **The failure of the voltage regulators did not cause outages but resulted in either high voltage or low voltage customer complaints and associated customer appliance damage claims.**
- e) **The project should be completed November, 2017.**

Purchased and installed electronic reclosers NW Division

11. On page 9, lines 11 through 19, witness Shelley testified that strategically locating reclosers to replace fused disconnects greatly improves FPUC's ability to improve reliability to customers and reduces restoration costs.
- a) Please explain the difference between the electronic reclosers and the fused disconnects the reclosers are replacing.
 - b) Please provide outage information, such as frequency and duration, related to this project for 2012 through 2017.
 - c) When is this project estimated to be completed?

Company Response:

- a) **From industry studies, approximately 80% of overhead distribution faults are temporary and caused either by animal contact, vegetation contact or lightning. In response to a temporary fault, a fused disconnect clears the fault by blowing a fuse which has to be replaced by a service technician, sometimes requiring as long as an hour to complete. Customers on that feeder are without power during this time.**
The electronic reclosers that we are replacing the fused disconnect with; respond to the same temporary fault by tripping (opening the circuit) and then reclosing after a short delay. This allows time for the cause of the temporary fault to clear. The electronic recloser can be configured to continue the tripping and reclosing up to 4 times, which as stated earlier, usually is successful in maintaining service to the customers. The customers

will experience short outages until the fault is cleared but will not have to wait for a service technician to respond.

- b) The reclosers included are located on the Cottondale and South Street Feeders plus one more will be installed this year.**

FPUC - NW (Adjusted)							
Feeder	Number of Outage Events (N)	Average Duration (L-Bar)	CAIDI	Sum of all Customer Min. Interrupted (CMI)	Total Customer Interruptions (CI)	Total Outage Duration (L)	
2016 9866 Cottondale	143	76.88	72.96	294,839	4,041	10,993	
2015 9866 Cottondale	92	69.34	49.73	181,874	3,657	6,379	
2014 9866 Cottondale	135	99.31	96.61	403,356	4,175	13,407	
2013 9866 Cottondale	121	85.50	96.88	605,623	6,251	10,345	
2012 9866 Cottondale	127	77.86	78.91	115,207	1,787	6,213	
2016 9854 South Street	177	75.10	72.36	613,065	8,472	13,292	
2015 9854 South Street	127	71.67	70.28	296,999	4,226	9,101	
2014 9854 South Street	124	135.54	79.18	226,531	2,861	16,806	
2013 9854 South Street	145	88.78	70.58	482,381	6,835	12,873	
2012 9854 South Street	122	87.98	106.9	256,750	2,401	10,733	

- c) October, 2017**

Installed SCADA

12. On page 9, lines 20 through 22 and page 10, lines 1 through 8, witness Shelley testified that FPUC installed a new SCADA system at J.L. Terry, Stepdown and Gum Street substations.

- a) Please provide outage information, such as frequency and duration, related to this project for 2012 through 2017.
- b) What was the date this project was completed?

Company Response:

- a) There are no outages due to this project.**
- b) The project was completed March, 2017.**

Installed Self-healing Network (SHN) reclosers NE Division

13. On page 10, lines 9 through 14, witness Shelley testified that the SHN reclosers project utilizes single phase lateral protection strategically installed so that momentary outages for customers are reduced.
- a) Are the SHN reclosers replacing existing equipment?
 - b) If so, what type of equipment, why it is being replaced, and what is the age of the equipment being replaced?
 - c) What is the difference between the SHN reclosers and the equipment it is replacing if any?
 - d) Please provide outage information, such as frequency and duration, related to this project for 2012 through 2017. Please include MAIFIE information as well.
 - e) When is this project estimated to be completed?

Company Response:

- a) **Yes, the reclosers replace existing equipment.**
 - b) **They are replacing single phase fused cutouts.**
 - c) **During electric fault conditions the SHN reclosers feature an open – close operation sequence with adjustable reclosing time intervals that allows the automatic clearance of temporary overhead faults without having a service technician responding to an outage. The fused cutouts being replaced dropout a fuse for the same temporary fault requiring a service technician to respond and replace the fuse which could take as much as an hour to complete.**
 - d) **These SHN reclosers are being installed on several different feeders in 2017 therefore outage information is not available at this time and by PSC/ECR 102-3(b) Rule 25-6.0455(3)(c) FPU has less than 50,000 customers so we do not calculate or have MAIFIE data.**
 - e) **The project is expected to be completed November, 2017.**
14. On page 11, lines 5 through 7, witness Shelley testified that certain customers were experiencing longer outages due to the difficulty in locating and repairing underground services.
- a) Please clarify which customers witness Shelley is referring to.
 - b) Please explain why the Forest Ridge condos, Amelia Park subdivision, the Oaks subdivision, the North Oaks subdivision were selected to be upgraded at this time.
 - c) Are there plans to upgrade other neighborhoods? If so, when does FPUC anticipate upgrading these neighborhood?

Company Response:

- a) **The reference was all customers served by old, direct buried, concentric neutral underground cables.**
- b) **The areas listed were some of the first underground services installed by FPUC. The services were direct buried, with an exposed concentric neutral, underground construction that corrosion of the neutral was evident.**
- c) **Yes, we plan to have all known areas upgraded by the end of 2021.**

15. On page 11, lines 20 through 22, and page 12, lines 1 through 4, witness Shelley testified that FPUC delayed the modernization/safety projects.
- a) Why were these projects delayed?

Company Response:

These projects were not delayed. The testimony was in reference to the questions of why it was critical to address these issues promptly and the potential risks if these projects were delayed.

Storm Hardening

Extended underground feeder # 312 Airport to Fletcher

16. On page 12, lines 19 through 22, and page 13, lines 1 through 7, witness Shelley testified the extension of feeder #312 would provide an additional service line into an area located near the end of FPUC's distribution system.
- a) Is this feeder considered a main underground service?
 - b) Will there be a loop or backup feed on this feeder?
 - c) Please provide outage information, such as frequency and duration, related to this project for 2012 through 2017.
 - d) What was the date this project was completed?

Company Response:

- a) **Yes.**
- b) **Yes.**
- c) **This is a new feeder. There is no outage information yet.**
- d) **The project was completed June, 2017.**

Replaced decayed pole replacement from Osmose Pole Inspections

17. On page 13, lines 8 through 22 and page 4, lines 1 through 5, witness Shelley testified that this project includes 2015, 2016, and 2017 decayed pole replacements.
- a) How many poles were or are going to be replaced in each year? Please differentiate between transmission and distribution poles.
 - b) How were decayed pole replacement costs for the years prior to 2015 recovered?
 - c) When is this project estimated to be completed?

Company Response:

- a)
2015 – 371 Distribution Poles replaced; 0 Transmission Poles replaced
2016 – 288 Distribution Poles replaced; 8 Transmission Poles replaced
2017 – The Pole Inspections for 2017 have not been completed at this time so we estimate approximately 200 Distribution poles will be replaced.
- b) **In our 2015 Rate Case.**
- c) **It is estimated to be completed December, 2017.**

Completed phase down – Highway 73

18. On page 14, lines 6 through 15, witness Shelley testified that FPUC installed a third phase on the single phase line serving this area.
- a) Please explain how installing a third phase on the single phase line corrects the low voltage issues?
 - b) Please provide outage information, such as frequency and duration, related to this project for 2012 through 2017.
 - c) What was the date this project was completed?

Company Response:

- a) **Adding the additional phase allowed some of the loads in this area to be transferred to this additional phase. By reducing the current (load) on each phase the associated voltage is increased thereby correcting the low voltage problem.**
- b) **There is no outage information available for this project since the reason for implementing this work was to eliminate low voltage complaints.**
- c) **The project was complete December, 2016.**

Storm hardened the prison feeder from substation to high school- NW Division

19. On page 14, lines 16 through 22, and page 15, lines 1 through 10, witness Shelley testified that part of this project is to replace wooden poles.
- a) Are the poles being replaced under this project included in the earlier pole replacement project (Replaced decayed pole replacement from Osmose Pole Inspections)? If so, please explain why these poles are included in both projects.
 - b) Please provide outage information, such as frequency and duration, related to this project for 2012 through 2017.
 - c) What was the date this project was completed?

Company Response:

- a) **No.**
- b) **The prison feeder serves the Federal Prison, Jackson County High School and Jackson County Health Department which we identify as critical loads which justified this project not outages.**
- c) **The project as completed December, 2016.**

Replaced 69kV pole with concrete pole

20. On page 15, lines 11 through 22, and page 16, lines 1 through 2, witness Shelley testified the project included replacing transmission poles and installing transmission poles to connect the Gum Street substation to the J.L. Terry substation.
- a) Are the poles being replaced under this project included in the earlier pole replacement project (Replaced decayed pole replacement from Osmose Pole Inspections)? If so, please explain why these poles are included in both projects.

- b) How will connecting the two substations improve reliability?
Please provide outage information, such as frequency and duration, related to this project for 2012 through 2017.
- c) What was the date this project was completed?

Company Response:

- a) No.
- b) **This 69kV pole line ties new on-island generation into the FPU distribution system that provides service to our customers on Amelia Island. Prior to this new on-island generation, FPU distribution system on Amelia Island was completely served through a double circuit 138kV transmission line to Jacksonville Electric Authority (JEA). When the service from JEA was interrupted, the entire Island was without power. The new generation tied to these two substations can provide service to critical loads on the Island during these JEA interruptions.**
- c) **The project was completed in June, 2017.**

Overhead reconductor along south Fletcher- NE Division

21. On page 16, lines 3 through 10, witness Shelley testified that the old copper conductors had become brittle due to constant heating.
- a) Why were aluminum conductors selected to replace the copper conductors?
 - b) Were there other options considered? Please explain your response.
 - c) Please provide outage information, such as frequency and duration, related to this project for 2012 through 2017.
 - d) When is this project estimated to be completed?

Company Response:

- a) **All of our new overhead construction utilizes aluminum because of lower costs and more resistant to corrosion especially from salt spray.**
- b) **Yes, we looked at undergrounding the line but could not justify the additional costs.**
- c) **See below:**

FPUC - NE (Adjusted)							
Feeder	Number of Outage Events (N)	Average Duration (L-Bar)	CAIDI	Sum of all Customer Min. Interrupted (CMI)	Total Customer Interruptions (CI)	Total Outage Duration (L)	
2016 South Fletcher	89	153.47	136.27	1,022,707	7,505	13,659	
2015 South Fletcher	36	81.30	77.75	474,994	6,109	2,927	

2014 South Fletcher	41	85.24	70.29	219,294	3,120	3,495		
2013 South Fletcher	20	109.86	98.99	77,610	784	2,197		
2012 South Fletcher	32	109.35	63.33	290,642	4,589	3,499		

d) The project will be completed in November, 2017.

Rebuild Amelia Island substations – NE Division

22. On page 16, lines 11 through 22 and page 17, lines 1 through 10, witness Shelley testified that this project includes the new Gum Street substation, relocation of the Chip Mill substation, and re-building of the Amelia Island Plantation substation.

- a) What is involved with the re-building of the Amelia Island Plantation substation?
- b) Why did FPUC believe the Gum Street and Chip Mill substations projects took precedence over the Amelia Island Plantation substation?
- c) Please provide outage information, such as frequency and duration, related to this project for 2012 through 2017.
- d) What was the date this project was completed?

Company Response:

- a) **The old 15kV metal enclosed switchgear will be replaced with an overhead bus arrangement and the 69kV incoming structure will be modified to meet current clearance requirements.**
- b) **With the addition of the new Eight Flags CHP Facility the Gum Street and Chip Mill Substations were required to connect this generation into the FPU distribution system.**
- c) **There is no outage information associated with these projects.**
- d) **The project was completed December, 2016.**

Storm harden Jackson County Hospital feeder – NW Division

23. On page 17, lines 11 through 18, witness Shelley testified that part of this project is replacing poles.

- a) Are the poles being replaced under this project included in the earlier pole replacement project (Replaced decayed pole replacement from Osmose Pole Inspections)? If so, please explain why these poles are included in both projects.
- b) What is the age and specifications of the line equipment being upgraded?
- c) Please explain what is involved with the line equipment upgrade.
- d) Please provide outage information, such as frequency and duration, related to this project for 2012 through 2017.
- e) When is this project estimated to be completed?

Company Response:

- a) **No.**

- b) **The equipment is over 50 years old.**
- c) **The old wood poles will be replaced with higher class wood poles and the old transformers, insulators, surge arresters, cutouts, and connectors will be new hardware as needed.**
- d) **This feeder serves the Jackson County Hospital which we identify as a critical load which justified this project not outages.**
- e) **This project is estimated to be completed December, 2017.**

Apalachicola River crossing – NW Division

24. On page 17, lines 19 through 22, and page 18, lines 1 through 12, witness Shelley testifies that part of this project is to replace poles along the Apalachicola River.
- a) Are the wooden poles that will be replaced with concrete poles, distribution or transmission poles?
 - b) Were there other options that FPUC considered to mitigate this situation? If not, why not?
 - c) If so, what were the other options?
 - d) Was this project the most cost effective option?
 - e) Please provide outage information, such as frequency and duration, related to this project for 2012 through 2017.
 - f) When is this project estimated to be completed?
 - g) On page 19, lines 4 through 10, witness Shelley testified that FPUC delayed in addressing the decayed poles. Why did FPUC delay in addressing the decayed poles?

Company Response:

Since filing this Petition, FPUC has gotten information that the Florida Department of Transportation (FDOT) has initiated plans to relocate assets in the same area that FPUC has its facilities. As a result, the Company has decided to delay its plans to replace the poles along the Apalachicola River until such time as FDOT's plans are more defined. Consequently, the Company would propose to eliminate this project from the Companies request. If preferable, the Company can also submit revised Exhibits that demonstrate this change.

- a) **They are distribution poles.**
- b) **Yes.**
- c) **Other options considered were buried cables under the river, bridge attachment, and a new Substation on the Liberty County side of the river.**
- d) **Engineering analysis is still ongoing to determine the best option.**
- e) **There is no outage information associated with this project.**
- f) **The project is anticipated to be completed in December, 2018**
- g) **We did not delay addressing decayed poles. The response was to the question of potential risks if pole related storm hardening projects were delayed.**

25. On page 23, lines 3 through 11, witness Shelley testified that a result of past storm hardening projects was that none of the storm-hardened poles failed during Hurricane Matthew.
- a) Please provide historical data on how many poles failed during major storm events (2004 to present). Include the strength of the weather event.

Company Response:

Florida has experienced numerous major storms since 2004, however most of those storms have directly impacted areas of the state that are outside of the Company's service territory. In recent history there have been three storms, all in 2016, Tropical Storm Hermine, in the panhandle of Florida, Tropical Storm Julia and Hurricane Matthew on the east coast of Florida that have come in close proximity to the Company's service territory. In the case of Hermine, FPUC's North West territory was to the west of the land fall and, as such, suffered minor direct impact from the storm with no failed poles. Tropical Storm Julia caused minor outages in our Northeast Division but no failed poles. Hurricane Matthew resulted in one wood transmission pole and twelve wood distribution poles broken in FPUC's Northeast division. All of the pole failures during this storm were the result of falling trees and limbs and none were storm hardened poles. The Company notes that, historically, it has not tracked data on pole failures related to storms on a per-pole basis.

26. Please refer to witness Michael Cassel's direct testimony, Exhibits MDC-3, Page 1 of 1. Provide, in Excel format, FPUC's monthly energy sales by rate class for FPUC's Northeast Division, Northwest Division, and System-wide for January 2008 through June 2017, and projected monthly energy sales for these same series for July 2017 through December 2018. For each of these series, if any historical data points deviate from trend significantly such as to constitute an outlier(s), please explain the reasons for all such outliers.

Company Response:

Please see Attachment B to these responses. The 2017 forecast was based on actual thru March 2017. The forecast that was done in April for April to December 2017 was only done for the total electric division. Since the two divisions have been combined for fuel cost recovery purposes, the Company has ceased to forecast for the northwest and northeast division. The original version of the file began with 2012 data. We have added 2008 thru 2011 data excluding KW and KVar for this request. Residential sales were not separated into over and under 1,000 KWH until 2014. Lighting was consolidated from two classes to one in the 2015 rate case. January and February 2008 were estimated based on actual quarterly data.

27. Please refer to witness Michael Cassel's direct testimony, Exhibits MDC-3, Page 1 of 1. Provide, in Excel format, FPUC's monthly peak demand by rate class for FPUC's Northeast Division, Northwest Division, and System-wide for January 2008 through June 2017, and projected monthly peak demand for these same series for July 2017 through

December 2018. For each of these series, if any historical data points deviate from trend significantly such as to constitute an outlier(s), please explain the reasons for all such outliers.

Company Response:

All existing rates except for Miscellaneous charges were increased by the percent increase in base rates using forecast revenues from the Company's normal forecast process. Peak and average demand calculations were not developed.

28. Please refer to witness Michael Cassel's direct testimony, Exhibits MDC-3, Page 1 of 1. Provide, in Excel format, population in FPUC's Northeast Division, Northwest Division, and System-wide for January 2008 through June 2017, and projected population for these same series for July 2017 through December 2018.

Company Response:

The US Census bureau, as well as the local economic development agencies, report population data at levels that are larger than FPUC's service territory, and thus, is not available within the parameters requested. For example, in the North East there is population data for Nassau County, which covers more than FPUC's territory, and Fernandina Beach City, which covers a portion of FPUC's service territory. In an effort to provide responsive, accurate data, the Company is providing actual customer counts from 2008 through June 2017 and forecasted population for the time forward to December 2018 in attachment B.

29. Please refer to witness Michael Cassel's direct testimony, Exhibits MDC-3, Page 1 of 1. Provide, in Excel format, customers by rate class for FPUC's Northeast Division, Northwest Division, and System-wide for January 2008 through June 2017, and projected customers for these same series for July 2017 through December 2018. For each of these series, if any historical data points deviate from trend significantly such as to constitute an outlier(s), please explain the reasons for all such outliers.

Company Response:

Please see the response to question 26.

30. Please refer to the direct testimony of witness Cassel, Exhibit MDC-3 and Exhibit MDC-4 for the following requests:
- a) Please describe the forecasting method(s) used by FPUC in arriving at its 2017 forecasts of energy sales.
 - b) Please provide the energy sales forecasting models used by FPUC.
 - c) Please identify, by model variable name, the dependent and independent variables in FPUC's energy sales forecasting model.
 - d) Please provide FPUC's 2017 energy forecasts used to calculate the energy charges shown in Exhibit 4.
 - e) Please provide FPUC's 2017 customer forecasts used to calculate the customer facilities charges shown in Exhibit 4.

Company Response:

- a) **FPUC forecasts energy sales by looking at a weather normalized usage per customer by using a three year average, and eliminating any weather anomalies. Future weather forecasts from NOAA are considered, to determine what the future year might hold. Then multiplying our usage per customer by the number of forecasted customers. Customers are forecasted as a percent based growth over the prior year and any additional large customers in our sales pipeline. Seasonality is also considered in the monthly breakdown of customers.**
 - b) **Please see the "Total Electric" tab in Attachment B.**
 - c) **The customers and units per customer are the drivers of the forecast, to achieve total sales, these are dependent variables.**
 - d) **The rates on MDC-4 were determined by taking the present rates and multiplying them by 109.31 for the 9.31% increase in base rates divided by the 2017 forecast calculated on MDC-3. All rates except for miscellaneous charges were increased by the same percentage.**
 - e) **All existing rates except for Miscellaneous charges were increased by the percent increase in base rates.**
31. Please refer to Exhibits MDC-3, page 1 of 1, and MDC-4, pp. 1 and 2 of 2
- a) Please describe the forecasting methods used by FPUC in arriving at its 2017 forecast of summer and winter peak demand.
 - b) Please provide FPUC's summer and winter peak demand forecasting models.
 - c) Please identify, by model variable name, the dependent variable and independent variables in FPUC's summer and winter peak demand models.
 - d) Please provide FPUC's 2017 peak demand forecasts used to calculate the demand charges shown in Exhibit 4.

Company Response:

- a) **The Company does not forecast using peak summer and winter demand.**
- b) **The Company does not forecast using peak summer and winter demand.**
- c) **The Company does not forecast using peak summer and winter demand.**
- d) **Existing rates, except for Miscellaneous charges, were increased by the percent increase in base rates. Peak demand forecasts were not used.**

2009 (All)

Row Labels	Sum of 2009	Sum of 2010	Sum of 2011	Sum of 2012	Sum of 2013	Sum of 2014	Sum of 2015	Sum of Grand Total
- [2] Pad Mt Transformers		\$ 30,611.22						\$ 30,611.22
- AL COX LINE EXT		\$ 1,552.00						\$ 1,552.00
- Hwy 162		\$ 7,282.68						\$ 7,282.68
Pad Mt Transformer		\$ 9,386.75						\$ 9,386.75
- Pearidge Rd.		\$ 4,497.41						\$ 4,497.41
- REPLACE DECAYED POLES		\$ 105,163.72						\$ 105,163.72
138 kV Diff Relays		\$ 86,499.40						\$ 86,499.40
2011 Regulator Purch			\$ 49,605.39					\$ 49,605.39
2011 SPG UG Xfmr			\$ 15,869.15					\$ 15,869.15
277v Txn Purch					\$ 8,201.29			\$ 8,201.29
8 Flags Distr Station Equip							\$ 207,114.55	\$ 207,114.55
A1A Damaged Pole	\$ 14,040.84							\$ 14,040.84
A1A Roundabout	\$ 13,499.70	\$ 100,134.86						\$ 113,634.56
AIP Batteries Charger Repl					\$ 18,346.13	\$ 15,467.79		\$ 33,813.92
AIP Circuit Breakers		\$ 34,976.99						\$ 34,976.99
AIP conf exp-Install Cable				\$ 70,842.93				\$ 70,842.93
AIP Grounding	\$ 29,381.57							\$ 29,381.57
Amelia by the Sea -conduit				\$ 6,232.05				\$ 6,232.05
Amelia Park Cable				\$ 20,706.34				\$ 20,706.34
Amelia Plaza -conduit				\$ 4,457.40				\$ 4,457.40
Beachwalker II	\$ 131,153.23							\$ 131,153.23
Beachwalker PH2	\$ 82,921.62							\$ 82,921.62
Bowman Rd Conduit Cable					\$ 2,178.95	\$ 9,020.39		\$ 11,199.34
Broome Street Line Extension							\$ 6,021.88	\$ 6,021.88
Chipmill Substation	\$ 19,816.00	\$ 1,490.38						\$ 21,306.38
Clinton St fr Noland		\$ 97,790.16						\$ 97,790.16
Damaged AIP		\$ 803.00						\$ 803.00
Decayed Pole Repl.		\$ 301.10						\$ 301.10
Decayed Poles & Conductors		\$ 8,517.26						\$ 8,517.26
Don Brown Line Ext		\$ 6,211.91						\$ 6,211.91
Fletcher Trans Poles	\$ 198,323.53	\$ 2,596.01						\$ 200,919.54
- FPL Inter OH Conduct Devices							\$ 169,755.47	\$ 169,755.47
- FPL Inter Station Equipment							\$ 367,803.51	\$ 367,803.51
- FPL Inter Struct and Improve							\$ 381,711.00	\$ 381,711.00
Gateway to Amelia Ph 1 Upgrd					\$ 19,969.97			\$ 19,969.97
Hwy 162 relocation of line		\$ 7,996.18						\$ 7,996.18
Hwy 71 Upgrd-Gnwd to Malone						\$ 315,355.18		\$ 315,355.18
Indust Prk City of Marianna		\$ 2,317.00						\$ 2,317.00
Indust Prk Cty of Marianna		\$ 13,621.88						\$ 13,621.88
Install 40MVA xfmr JLT sub				\$ 34,529.62	\$ 137,033.73	\$ 649,517.38		\$ 821,080.73
Install Load Trackers					\$ 7,553.22			\$ 7,553.22
- Install new SCADA at JLT and							\$ 62,821.16	\$ 62,821.16
Install UG Cable CKT 312					\$ 378,042.91	\$ 147,445.29		\$ 525,488.20
Jackson Co Courthouse		\$ 23,418.83						\$ 23,418.83
Jackson Co Health Dept		\$ 10,740.28						\$ 10,740.28
Joint Trench Feeder 312-Ph 1				\$ 301,828.19	\$ 27,449.80			\$ 329,277.99
Joint Trench Feeder 312-Ph 2				\$ 316,409.79				\$ 316,409.79
Line Capacitors		\$ 33,682.18						\$ 33,682.18
Line Relocation					\$ 55,000.62			\$ 55,000.62
Line Trans UG		\$ 85,817.21						\$ 85,817.21
March Creek Area 2		\$ 193,984.93						\$ 193,984.93
Marsh Creek		\$ 120,218.33						\$ 120,218.33
North Florida Rock					\$ 15,040.55			\$ 15,040.55
OCR Purch and Install				\$ 27,172.20				\$ 27,172.20
OH Circuir Recloser		\$ 40,697.40						\$ 40,697.40
- OMS Software Purchase						\$ 16,412.50		\$ 16,412.50
Osmose Pole Repl						\$ 782,974.48	\$ 226,423.35	\$ 1,009,397.83
Osmose Pole Repl approx 18				\$ 115,810.86				\$ 115,810.86
Osmose Pole Repl- Insulators				\$ 76,052.90				\$ 76,052.90
Pearidge Rd.		\$ 10,201.75						\$ 10,201.75
Pole/Fixture relocation				\$ 50,286.42				\$ 50,286.42
PURCH (2) REG PLATFORMS				\$ 8,353.32				\$ 8,353.32
Purch OH transformer		\$ 44,462.42						\$ 44,462.42
Purch OH Transformers					\$ 23,646.00			\$ 23,646.00
Purch Tfr Platform					\$ 4,544.92			\$ 4,544.92
Purch Transclosers				\$ 42,459.72				\$ 42,459.72
Purch UG Transformers					\$ 127,093.61			\$ 127,093.61
Purch UG Trnsfmrs restock				\$ 103,680.47				\$ 103,680.47
Reclosure 1-11 Feeder	\$ 30,884.39							\$ 30,884.39
Re-conductor at Forest Ridge							\$ 163,207.53	\$ 163,207.53
Reg Purch and install				\$ 50,893.76				\$ 50,893.76
REGULATOR PURCHASE					\$ 48,241.09			\$ 48,241.09
Reins Fletch Ave Inst				\$ 181,418.88	\$ 12,464.49			\$ 193,883.37
Reinsulate AIP Sub 15kv				\$ 76,573.33	\$ 373,643.07			\$ 450,216.40

STAFF SECOND DATA REQUEST
ATTACHMENT A
RESPONSE QUESTION 1

Repl 35 Trans Poles				\$ 1,260,255.54	\$ 1,260,255.54
Repl TC95 to TC67			\$ 14,579.97		\$ 14,579.97
Replace 17-69Kv Arrestors				\$ 177,986.33	\$ 177,986.33
Replace 69Kv Arrestors		\$ 1,239.65	\$ 49,913.83		\$ 51,153.48
Replace 69kv insulator			\$ 11,733.04		\$ 11,733.04
Replace 69kv Insulator-#74		\$ 789.63			\$ 789.63
REPLACEMENT			\$ 37,179.00		\$ 37,179.00
Replc concrete pole			\$ 2,926.55		\$ 2,926.55
Rplc 69KV Relays-SD Sub	\$ 152,727.00				\$ 152,727.00
Rplc 750MCM Cable-circ 104		\$ 161,400.87			\$ 161,400.87
RPLC 750MCM CBL			\$ 107,174.93		\$ 107,174.93
S. Fletcher Ave Poles	\$ 306,454.43				\$ 306,454.43
Save a lot trnsfmrs	\$ 63.81				\$ 63.81
Sea marsh area 6 conduit		\$ 272,143.66	\$ 8,982.56		\$ 281,126.22
Sea Marsh area6 Ph1		\$ 257,554.51			\$ 257,554.51
Sea Marsh Conduit		\$ 201,319.57			\$ 201,319.57
Spring Txfr Purch			\$ 19,995.00		\$ 19,995.00
Stepdown Rear Ent	\$ 37,225.80				\$ 37,225.80
Stepdown subfeeder exit cable		\$ 47,737.76	\$ 796.95		\$ 48,534.71
TRANS LINE INSPECT	\$ 7,500.00				\$ 7,500.00
- Transmission System Repairs				\$ 96,458.97	\$ 96,458.97
UG Conductors - NE			\$ 123,425.56		\$ 123,425.56
UG Conductors - NW			\$ 24,654.81		\$ 24,654.81
UG Conduit - NE			\$ 44,280.46		\$ 44,280.46
UG Transformers Restock		\$ 189,885.64			\$ 189,885.64
Upgr UG Scdry S12th conduct			\$ 42,369.71		\$ 42,369.71
- Upgrade DesignBase Software				\$ 14,030.00	\$ 14,030.00
UPGRADE PH1			\$ 155,723.51		\$ 155,723.51
Upgrd UG Secondary S12th			\$ 33,678.08		\$ 33,678.08
Vac Breakers	\$ 32,748.00				\$ 32,748.00
[15] 277V OH TRANS		\$ 16,447.50			\$ 16,447.50
[4] LIGHTS WITH 20' POLES		\$ 8,009.44			\$ 8,009.44
-10 Acre Cable Inst		\$ 6,091.13			\$ 6,091.13
10 Acres Conduit		\$ 8,432.16			\$ 8,432.16
14th st rd widening-relocate x			\$ 2,879.26		\$ 2,879.26
14th st Road Widening			\$ 286,773.43		\$ 286,773.43
150 KVA Purch			\$ 6,148.05		\$ 6,148.05
-15kv Recloser		\$ 10,824.93	\$ 796.95		\$ 11,621.88
2011 Fall Xfmrs		\$ 54,217.68			\$ 54,217.68
2011 Reg Control Purch		\$ 31,358.52			\$ 31,358.52
2011 Storm Hardening		\$ 49,165.57			\$ 49,165.57
2011 UG Xfmr		\$ 10,748.14			\$ 10,748.14
2012 Overhead Conductors/Devic		\$ 68,994.04			\$ 68,994.04
2012 Underground Conduit - NW		\$ 6,377.47			\$ 6,377.47
250 KVA voltage regulators				\$ 41,603.10	\$ 41,603.10
310 & 311 Substn Exits		\$ 22,051.42	\$ 606.87		\$ 22,658.29
4811 Amelia Isl Cable		\$ 5,856.52			\$ 5,856.52
4811 Amelia Isl Conduit		\$ 7,055.75			\$ 7,055.75
6-277 Volt Trans		\$ 9,636.30			\$ 9,636.30
69kv Line Relo to Rayonier			\$ 50,792.06	\$ 32,005.03	\$ 82,797.09
8 Flags Distr OH Conductors				\$ 21,932.13	\$ 21,932.13
8 Flags Distr Transformer				\$ 2,662.76	\$ 2,662.76
8 Flags Energy Storage				\$ 320,168.36	\$ 320,168.36
8 Flags OH Conductors				\$ 71,018.58	\$ 71,018.58
8 Flags Poles and Fixtures				\$ 75,791.36	\$ 75,791.36
AIP conf exp-inst txfmrs		\$ 9,904.71			\$ 9,904.71
AIP RELAY REPLACE	\$ 144,758.43				\$ 144,758.43
Amelia by the Sea - Conduit		\$ 6,809.59			\$ 6,809.59
AMELIA OAKS-UG CONDUCT				\$ 21,818.23	\$ 21,818.23
AMELIA OAKS-UG TRANS				\$ 7,827.10	\$ 7,827.10
Amelia Park Conduit		\$ 18,194.50			\$ 18,194.50
Amelia Phase 1 Up			\$ 43,616.42		\$ 43,616.42
-Beachwalker PH2	\$ 291.00				\$ 291.00
Broome Street Line Extension				\$ 4,595.46	\$ 4,595.46
Complex		\$ 10,963.01	\$ 63,864.38		\$ 74,827.39
-Conc. Pole-Ins Issue	\$ 19,364.72				\$ 19,364.72
CONDUCT. EMERG AMELIA PKWY		\$ 64,061.38			\$ 64,061.38
CONDUIT EMERG AMELIA PKWY		\$ 4,273.38			\$ 4,273.38
Decayed Pole Repl	\$ 48,718.77				\$ 48,718.77
FALL TRANSFORMER PURCHASE			\$ 18,810.50		\$ 18,810.50
-Gate/Fence Sub Stn	\$ 13,059.78				\$ 13,059.78
-Group Operated Sw	\$ 56.62				\$ 56.62
-Install Load Trackers	\$ 15,746.05				\$ 15,746.05
-Line Extension	\$ 2,174.00				\$ 2,174.00
Line Relocation			\$ 19,274.02		\$ 19,274.02
Line Transf-OH - NW		\$ 105,382.12			\$ 105,382.12
Line Transformers-Buried - NE			\$ 74,244.24		\$ 74,244.24

STAFF SECOND DATA REQUEST
ATTACHMENT A
RESPONSE QUESTION 1

Line Transformers-Buried - NW				\$ 3,211.56			\$ 3,211.56
Line Transformers-OH - NE				\$ 72,114.05			\$ 72,114.05
Line Transformers-OH - NW				\$ 44,449.88			\$ 44,449.88
LOAD TRACKERS-AIP: PHASE 2	\$ 5,197.00	\$ 18,563.00					\$ 23,760.00
Marsh Cove Subdiv Cable	\$ 2,868.69	\$ 1,026.00					\$ 3,894.69
Marsh Cove Subdiv Conduit	\$ 7,306.62	\$ 287.00					\$ 7,593.62
Miscellaneous				\$ 657.72			\$ 657.72
Modular Pole Broome	\$ 549.84						\$ 549.84
OH Conduct Dev - NW		\$ 169,288.74					\$ 169,288.74
OH conduct relocate		\$ 45,072.54					\$ 45,072.54
OH Conduct/Devices - NE			\$ 136,028.41				\$ 136,028.41
OH Conduct/Devices - NW			\$ 123,620.48				\$ 123,620.48
OH to UG Upgrade			\$ 26,653.08				\$ 26,653.08
OSMOSE RPLC - OH TXNS			\$ 3,842.00				\$ 3,842.00
-Overhead Line Ext	\$ 846.00						\$ 846.00
Poles Decayed Repl	\$ 104,353.82						\$ 104,353.82
PRIMARY OLD KNAPP, ETC	\$ 56,442.00						\$ 56,442.00
PTs at JTL Substation		\$ 78,297.25	\$ 30,910.61				\$ 109,207.86
Purch 20 capacitors		\$ 11,069.32					\$ 11,069.32
Purch of Transclosers			\$ 73,670.00				\$ 73,670.00
Purch OH Transfrmrs-restock		\$ 63,837.04					\$ 63,837.04
Purch Sub Regulators				\$ 49,122.25			\$ 49,122.25
Purch Substation Equip-Mar			\$ 250.61	\$ 5,537.82			\$ 5,788.43
Purch UG Transformers for 2012		\$ 120,539.59					\$ 120,539.59
Purchase OH Transformers	\$ 42,167.60						\$ 42,167.60
REA 7		\$ 371,130.09	\$ 227,004.02				\$ 598,134.11
Re-conductor at Forest Ridge					\$ 7,732.44		\$ 7,732.44
Refurb sg and xfms		\$ 27,273.71	\$ 47,073.90				\$ 74,347.61
Repair CKT 315 69kv insul		\$ 1,551.45					\$ 1,551.45
Repl 34 Transmission Poles			\$ 13,631.34	\$ 636,857.73			\$ 650,489.07
Repl Porcelain Term	\$ 55,995.87						\$ 55,995.87
REPLACE DAMAGED 69KV PT	\$ 5,495.38						\$ 5,495.38
-replace failed URD	\$ 23,926.42						\$ 23,926.42
Replace UG Conductor			\$ 55,891.03				\$ 55,891.03
Rocking in SD Sbstn	\$ 4,261.57	\$ 79,393.00	\$ 4,261.62				\$ 87,916.19
Rocking Sbstn Dist	\$ 210.41	\$ 42,750.00	\$ 210.36				\$ 43,170.77
Rplc 2 GCBs at Stpdwn Sub		\$ 89,731.24	\$ 55,836.49				\$ 145,567.73
Rplce 4-69kv oil circuit brkrs		\$ 327,529.31					\$ 327,529.31
RR 69KV Cond	\$ 66,681.76						\$ 66,681.76
S FLETCHER REINSULATE	\$ 19,481.59	\$ 13,355.70					\$ 32,837.29
Sea Marsh Area Cable	\$ 100,783.14	\$ 27,106.00					\$ 127,889.14
SPARE RECLOSER	\$ 17,990.95						\$ 17,990.95
SPCC In SD Substn Trans	\$ 5,448.60	\$ 43,689.60	\$ 5,448.60				\$ 54,586.80
SPCC In Var Dist Statns			\$ 32,235.75				\$ 32,235.75
SPRING TRANS PUR	\$ 58,388.63						\$ 58,388.63
Stpdwn sub 69kv recon		\$ 253,195.52	\$ 361,903.70				\$ 615,099.22
Substation Transformer Repair					\$ 27,060.20		\$ 27,060.20
SWITCH CHANGE OUTS			\$ 6,971.70		\$ 3,290.97		\$ 10,262.67
System Upgrade Ph 1			\$ 94,528.03	\$ 139,526.69			\$ 234,054.72
System Upgrade Phase 1			\$ 83,861.35	\$ 89,473.21			\$ 173,334.56
Transformer purch		\$ 35,820.35					\$ 35,820.35
two 69KV Circuit Swit	\$ 1,137.63	\$ 157,219.00					\$ 158,356.63
UG Conduit - NW			\$ 12,387.70				\$ 12,387.70
UG TRANSFORMER PURCHASE			\$ 8,208.87				\$ 8,208.87
VILLAGE		\$ 51,340.16	\$ 7,760.70				\$ 59,100.86
WOOD TRANS POLES	\$ 51,329.66	\$ 328,450.32	\$ 70,523.00				\$ 450,302.98
Grand Total	\$ 896,740.11	\$ 1,473,510.23	\$ 1,175,730.68	\$ 5,340,969.13	\$ 3,814,237.81	\$ 4,370,632.94	\$ 2,257,172.78
							\$ 19,328,993.68

	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08
Customers									
RS	23,785	23,785	23,785	23,829	23,811	23,861	23,980	23,922	23,849
<= 1000 KWh - RS									
> 1000 KWh - RS									
GS	3,562	3,562	3,562	3,565	3,561	3,594	3,593	3,591	3,586
GSD	728	728	728	732	725	717	713	714	715
GSLD	20	20	20	20	20	20	20	20	20
GSLD1 - Rock Tenn	1	1	1	1	1	1	1	1	1
GSLD1 - Rayonier	1	1	1	1	1	1	1	1	1
Outdoor Lights	3,136	3,136	3,136	3,128	3,125	3,125	3,107	3,005	3,101
	31,233	31,233	31,233	31,276	31,244	31,319	31,415	31,254	31,273
Customer - Seasonality									
RS									
<= 1000 KWh - RS									
> 1000 KWh - RS									
GS									
GSD									
GSLD									
GSLD1 - Rock Tenn									
GSLD1 - Rayonier									
Rate/Customer									
KWH									
Residential	1,163.2	1,210.7	1,033.7	915.1	924.0	1,301.2	1,499.1	1,408.5	1,320.8
<= 1000 KWh - RS									
> 1000 KWh - RS									
Commercial Small	1,225.4	1,275.4	1,213.0	1,123.5	1,217.2	1,523.5	1,713.8	1,630.1	1,494.1
Commercial	17,310.9	18,017.5	18,071.2	17,116.6	18,622.2	22,543.3	25,276.6	23,562.2	22,638.7
Commercial Large	314,516.2	327,353.6	317,152.6	303,270.4	333,515.6	374,562.0	412,683.2	374,344.6	378,150.4
Industrial									
KW									
Commercial									
Commercial Large									
Industrial - Rock Tenn									
Industrial - Rayonier									
KVAR									
Industrial									
Volume									
KWH									
Residential	27,667,438	28,796,721	24,587,596	21,806,092	22,001,612	31,047,782	35,947,551	33,694,470	31,499,303
<= 1000 KWh - RS									
> 1000 KWh - RS									
Commercial Small	4,364,946	4,543,107	4,320,628	4,005,175	4,334,328	5,475,594	6,157,767	5,853,713	5,357,863
Commercial	12,602,346	13,116,727	13,155,811	12,529,373	13,501,082	16,163,533	18,022,213	16,823,422	16,186,671
Commercial Large	6,290,324	6,547,072	6,343,052	6,065,408	6,670,312	7,491,240	8,253,664	7,486,892	7,563,008
Industrial	7,350,000	7,190,000	6,480,000	5,450,000	8,030,000	8,730,000	8,480,000	7,130,000	6,080,000
Outdoor Lights	419,490	436,613	446,684	469,692	467,032	468,855	463,574	463,075	448,464
Highway Light Systems	186,921	194,550	186,651	187,669	187,679	187,679	187,993	187,931	188,297
KW									
Commercial									
Commercial Large									
Industrial - Rock Tenn									
Industrial - Rayonier									
KVAR									
Industrial									

	Oct-08	Nov-08	Dec-08	Total 2008	Jan-09	Feb-09	Mar-09	Apr-09	May-09
Customers									
RS	23,896	23,811	23,868	23,849	23,678	23,732	23,705	23,737	23,648
<= 1000 KWh - RS									
> 1000 KWh - RS									
GS	3,592	3,584	3,590	3,579	3,580	3,577	3,568	3,564	3,550
GSD	718	713	718	721	714	716	712	715	723
GSLD	20	20	20	20	20	20	20	20	20
GSLD1 - Rock Tenn	1	1	1	1	1	1	1	1	1
GSLD1 - Rayonier	1	1	1	1	1	1	1	1	1
Outdoor Lights	3,102	3,100	3,097	3,108	3,089	3,083	3,063	3,068	3,076
	31,330	31,230	31,295	15,795	31,083	31,130	31,070	31,106	31,019
Customer - Seasonality									
RS									
<= 1000 KWh - RS									
> 1000 KWh - RS									
GS									
GSD									
GSLD									
GSLD1 - Rock Tenn									
GSLD1 - Rayonier									
Rate/Customer									
KWH									
Residential	1,076.4	899.9	1,108.0	13,864.5	1,100.5	1,222.0	1,090.9	793.9	869.0
<= 1000 KWh - RS									
> 1000 KWh - RS									
Commercial Small	1,448.4	1,187.7	1,192.7	16,251.0	1,173.4	1,193.6	1,219.7	1,031.8	1,108.5
Commercial	21,499.8	18,635.7	18,019.3	241,086.6	17,610.6	16,440.3	19,103.7	17,926.1	17,637.0
Commercial Large	361,859.6	338,905.0	326,034.6	4,162,347.8	306,942.4	287,188.0	315,342.2	295,157.8	327,409.6
Industrial									
KW									
Commercial									
Commercial Large									
Industrial - Rock Tenn									
Industrial - Rayonier									
KVAR									
Industrial									
Volume									
KWH									
Residential	25,722,499	21,428,677	26,446,795	330,646,536	26,057,756	29,000,441	25,859,618	18,844,170	20,549,944
<= 1000 KWh - RS									
> 1000 KWh - RS									
Commercial Small	5,202,685	4,256,606	4,281,803	58,154,215	4,200,692	4,269,582	4,352,033	3,677,380	3,935,322
Commercial	15,436,886	13,287,245	12,937,872	173,763,181	12,573,956	11,771,220	13,601,868	12,817,155	12,751,535
Commercial Large	7,237,192	6,778,100	6,520,692	83,246,956	6,138,848	5,743,760	6,306,844	5,903,156	6,548,192
Industrial	6,200,000	5,180,000	8,000,000	84,300,000	7,510,000	6,030,000	6,770,000	5,970,000	5,490,000
Outdoor Lights	459,530	459,865	462,085	5,464,959	458,294	452,492	451,048	450,736	451,541
Highway Light Systems	188,307	188,408	188,305	2,260,390	188,507	221,827	188,912	188,910	188,875
KW									
Commercial									
Commercial Large									
Industrial - Rock Tenn									
Industrial - Rayonier									
KVAR									
Industrial									

	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Total 2009	Jan-10
Customers									
RS	23,737	23,725	23,724	23,658	23,806	23,555	23,621	23,694	23,500
<= 1000 KWh - RS									
> 1000 KWh - RS									
GS	3,571	3,565	3,574	3,566	3,556	3,600	3,585	3,571	3,568
GSD	723	726	727	732	729	745	742	725	740
GSLD	20	20	20	20	20	20	20	20	19
GSLD1 - Rock Tenn	1	1	1	1	1	1	1	1	1
GSLD1 - Rayonier	1	1	1	1	1	1	1	1	1
Outdoor Lights	3,073	3,071	3,081	3,073	3,058	3,072	3,068	3,073	3,055
	31,126	31,109	31,128	31,051	31,171	30,994	31,038	15,768	30,884
Customer - Seasonality									
RS									
<= 1000 KWh - RS									
> 1000 KWh - RS									
GS									
GSD									
GSLD									
GSLD1 - Rock Tenn									
GSLD1 - Rayonier									
Rate/Customer									
KWH									
Residential	1,129.7	1,547.7	1,333.4	1,262.4	1,156.2	908.4	933.0	13,349.7	1,514.1
<= 1000 KWh - RS									
> 1000 KWh - RS									
Commercial Small	1,327.8	1,657.1	1,523.7	1,447.0	1,420.8	1,189.4	1,073.8	15,365.0	1,331.2
Commercial	20,821.1	24,382.5	22,582.0	21,996.6	22,400.9	17,530.4	17,004.3	235,474.3	19,012.6
Commercial Large	364,483.4	399,859.2	360,938.4	363,377.0	358,189.0	349,446.0	343,527.2	4,071,860.2	340,499.6
Industrial									
KW									
Commercial									
Commercial Large									
Industrial - Rock Tenn									
Industrial - Rayonier									
KVAR									
Industrial									
Volume									
KWH									
Residential	26,816,703	36,719,082	31,634,244	29,865,393	27,523,831	21,396,897	22,038,084	316,306,163	35,582,073
<= 1000 KWh - RS									
> 1000 KWh - RS									
Commercial Small	4,741,543	5,907,614	5,445,817	5,159,833	5,052,371	4,281,940	3,849,537	54,873,664	4,749,670
Commercial	15,053,634	17,701,717	16,417,108	16,101,518	16,330,269	13,060,185	12,617,206	170,797,371	14,069,326
Commercial Large	7,289,668	7,997,184	7,218,768	7,267,540	7,163,780	6,988,920	6,870,544	81,437,204	6,469,492
Industrial	4,870,000	4,960,000	5,820,000	4,400,000	3,430,000	4,030,000	5,670,000	64,950,000	6,030,000
Outdoor Lights	451,942	451,921	450,764	451,904	450,189	450,380	438,567	5,409,778	443,827
Highway Light Systems	188,956	189,360	189,319	189,562	189,422	189,579	189,865	2,303,094	190,050
KW									
Commercial									
Commercial Large									
Industrial - Rock Tenn									
Industrial - Rayonier									
KVAR									
Industrial									

	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Total 2010	Jan-11
Customers													
RS	23,543	23,551	23,560	23,550	23,645	23,573	23,631	23,579	23,692	23,662	23,578	23,589	23,581
<= 1000 KWh - RS													
> 1000 KWh - RS													
GS	3,556	3,554	3,559	3,558	3,587	3,614	3,622	3,618	3,618	3,630	3,615	3,592	3,621
GSD	738	742	744	743	725	698	703	708	701	699	699	720	700
GSLD	20	20	20	20	21	21	21	19	21	22	22	21	22
GSLD1 - Rock Tenn	1	1	1	1	1	1	1	1	1	1	1	1	1
GSLD1 - Rayonier	1	1	1	1	1	1	1	1	1	1	1	1	1
Outdoor Lights	3,047	3,045	3,041	3,047	3,019	3,019	3,012	3,003	3,011	3,009	3,011	3,027	3,018
	30,906	30,914	30,926	30,920	30,999	30,927	30,991	30,929	31,045	31,024	30,927	30,949	30,944
Customer - Seasonality													
RS													
<= 1000 KWh - RS													
> 1000 KWh - RS													
GS													
GSD													
GSLD													
GSLD1 - Rock Tenn													
GSLD1 - Rayonier													
Rate/Customer													
KWH													
Residential	1,311.0	1,298.5	864.3	850.5	1,162.2	1,545.7	1,600.3	1,464.2	1,116.6	828.0	1,158.5	14,712.2	1,587.0
<= 1000 KWh - RS													
> 1000 KWh - RS													
Commercial Small	1,288.4	1,245.8	1,044.5	1,110.7	1,329.2	1,660.5	1,708.8	1,652.7	1,478.5	1,144.9	1,188.3	16,196.1	1,421.8
Commercial	18,697.1	17,904.2	16,261.4	17,994.2	21,039.6	26,422.1	26,028.5	26,123.6	23,202.6	18,689.0	18,601.5	249,224.9	19,824.6
Commercial Large	290,936.4	286,134.2	284,855.0	333,582.8	364,050.3	422,849.0	411,276.0	399,039.2	374,314.3	360,004.0	342,285.8	4,216,295.6	320,876.2
Industrial													
KW													
Commercial	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial Large	-	-	-	-	-	-	-	-	-	-	-	-	-
Industrial - Rock Tenn	-	-	-	-	-	-	-	-	-	-	-	-	-
Industrial - Rayonier	-	-	-	-	-	-	-	-	-	-	-	-	-
KVAR													
Industrial	-	-	-	-	-	-	-	-	-	-	-	-	-
Volume													
KWH													
Residential	30,864,578	30,581,144	20,361,807	20,028,893	27,480,303	36,436,228	37,817,698	34,524,990	26,454,419	19,592,932	27,315,345	347,040,410	37,423,129
<= 1000 KWh - RS													
> 1000 KWh - RS													
Commercial Small	4,585,280	4,427,474	3,717,261	3,951,700	4,767,716	6,000,978	6,189,130	5,979,403	5,349,326	4,155,896	4,295,811	58,169,645	5,148,368
Commercial	13,798,460	13,284,896	12,098,514	13,369,694	15,253,737	18,442,633	18,298,045	18,495,519	16,265,014	13,063,625	13,002,435	179,441,898	13,877,232
Commercial Large	5,818,728	5,722,684	5,697,100	6,671,656	7,645,056	8,879,828	8,636,796	7,581,744	7,860,600	7,920,088	7,530,288	86,434,060	7,059,276
Industrial	6,230,000	6,610,000	11,660,000	4,140,000	4,910,000	3,540,000	5,010,000	4,680,000	3,720,000	4,710,000	5,340,000	66,580,000	6,150,000
Outdoor Lights	446,355	445,511	445,310	446,197	443,427	446,146	438,288	427,988	426,503	436,334	460,781	5,306,667	441,107
Highway Light Systems	190,132	190,821	190,190	190,345	190,462	190,544	190,584	190,741	190,821	188,621	187,955	2,281,266	187,601
KW													
Commercial													
Commercial Large													
Industrial - Rock Tenn													
Industrial - Rayonier													
KVAR													
Industrial													

	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Total 2011	Jan-12
Customers													
RS	23,567	23,619	23,618	23,511	23,549	23,632	23,529	23,588	23,627	23,554	23,695	23,598	23,599
<= 1000 KWh - RS													
> 1000 KWh - RS													
GS	3,621	3,627	3,623	3,626	3,621	3,635	3,632	3,681	3,658	3,631	3,650	3,636	3,634
GSD	698	697	695	691	689	688	688	660	665	692	694	688	686
GSLD	22	22	22	22	22	22	22	22	22	22	22	22	22
GSLD1 - Rock Tenn	1	1	1	1	1	1	1	1	1	1	1	1	1
GSLD1 - Rayonier	1	1	1	1	1	1	1	1	1	1	1	1	1
Outdoor Lights	3,023	3,030	3,027	3,023	3,024	3,044	3,036	3,035	3,023	3,023	3,023	3,027	3,022
	30,933	30,997	30,987	30,975	30,907	31,023	30,909	30,988	30,997	30,924	31,086	30,973	30,965
Customer - Seasonality													
RS													
<= 1000 KWh - RS													
> 1000 KWh - RS													
GS													
GSD													
GSLD													
GSLD1 - Rock Tenn													
GSLD1 - Rayonier													
Rate/Customer													
KWH													
Residential	1,269.8	847.8	768.4	911.1	1,209.0	1,394.9	1,431.2	1,355.4	1,025.5	740.6	940.2	13,478.7	1,025.1
<= 1000 KWh - RS													
> 1000 KWh - RS													
Commercial Small	1,262.6	1,085.6	1,033.3	1,147.8	1,439.5	1,605.8	1,643.8	1,526.5	1,424.6	1,040.6	1,187.1	15,824.0	1,133.2
Commercial	17,825.8	16,838.0	17,381.4	19,565.8	22,178.1	24,166.6	24,584.4	25,146.0	22,497.5	17,413.7	23,544.7	250,586.9	12,452.1
Commercial Large	307,252.9	287,727.3	304,645.5	320,199.6	377,977.5	370,682.7	366,192.4	372,082.0	351,809.6	299,141.8	352,124.2	4,030,711.6	271,165.8
Industrial													
KW													
Commercial	-	-	-	-	-	-	-	-	-	-	-	-	65.4
Commercial Large	-	-	-	-	-	-	-	-	-	-	-	-	719.8
Industrial - Rock Tenn	-	-	-	-	-	-	-	-	-	-	-	-	15,400.0
Industrial - Rayonier	-	-	-	-	-	-	-	-	-	-	-	-	13,100.0
KVAR													
Industrial	-	-	-	-	-	-	-	-	-	-	-	-	-
Volume													
KWH													
Residential	29,924,834	20,024,910	18,149,019	21,511,308	28,471,060	32,963,619	33,675,443	31,971,539	24,228,664	17,443,798	22,276,888	318,064,211	24,190,580
<= 1000 KWh - RS													
> 1000 KWh - RS													
Commercial Small	4,571,861	3,937,466	3,743,665	4,161,933	5,212,270	5,840,609	5,970,314	5,619,022	5,211,319	3,778,564	4,332,769	57,528,160	4,118,009
Commercial	12,442,420	11,736,083	12,080,093	13,519,978	15,280,704	16,626,602	16,914,048	16,596,354	14,960,870	12,050,270	16,340,020	172,424,674	8,542,174
Commercial Large	6,759,564	6,330,000	6,702,200	7,044,392	8,315,504	8,155,020	8,056,232	8,185,804	7,739,812	6,581,120	7,746,732	88,675,656	5,965,648
Industrial	5,230,000	4,290,000	5,330,000	4,640,000	4,040,000	4,340,000	4,140,000	3,060,000	3,290,000	3,910,000	4,020,000	52,440,000	4,770,000
Outdoor Lights	436,688	437,316	439,890	440,536	441,289	440,556	438,961	439,117	435,754	432,824	436,618	5,260,656	430,566
Highway Light Systems	187,549	187,643	187,598	186,527	177,594	92,638	252,386	174,175	186,279	71,246	244,688	2,135,924	165,875
KW													
Commercial													44,876
Commercial Large													15,836
Industrial - Rock Tenn													15,400
Industrial - Rayonier													13,100
KVAR													
Industrial													

	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Total 2012	Jan-13
Customers													
RS	23,583	23,664	23,672	23,682	23,656	23,736	23,659	23,713	23,686	23,738	23,646	23,670	23,617
<= 1000 KWh - RS													23,617
> 1000 KWh - RS													
GS	3,626	3,634	3,642	3,625	3,647	3,662	3,655	3,661	3,656	3,686	3,678	3,651	3,673
GSD	688	684	685	678	676	680	675	681	668	654	659	676	661
GSLD	22	22	22	22	21	22	22	24	22	23	23	22	23
GSLD1 - Rock Tenn	1	1	1	1	1	1	1	1	1	1	1	1	1
GSLD1 - Rayonier	1	1	1	1	1	1	1	1	1	1	1	1	1
Outdoor Lights	3,030	3,039	3,037	3,038	3,044	3,039	3,037	3,034	3,015	3,022	3,028	3,032	3,022
	30,951	31,045	31,060	31,047	31,046	31,141	31,050	31,115	31,049	31,125	31,036	31,053	30,998
Customer - Seasonality													
RS													99.5%
<= 1000 KWh - RS													99.5%
> 1000 KWh - RS													0.0%
GS													99.8%
GSD													99.2%
GSLD													105.3%
GSLD1 - Rock Tenn													100.0%
GSLD1 - Rayonier													100.0%
Rate/Customer													
KWH													
Residential	860.3	817.7	790.5	864.4	1,080.2	1,301.4	1,382.2	1,325.7	1,141.5	885.1	902.5	1,031.4	1,058.5
<= 1000 KWh - RS													1,058.5
> 1000 KWh - RS													
Commercial Small	1,015.7	1,029.0	1,116.1	1,157.7	1,337.5	1,501.0	1,622.8	1,633.6	1,581.4	1,308.6	1,122.0	1,296.5	1,190.3
Commercial	15,472.7	16,937.5	17,576.0	18,361.7	21,376.4	22,559.3	23,415.3	24,296.5	23,569.7	19,777.0	16,547.3	19,361.8	17,506.7
Commercial Large	264,375.8	280,968.9	305,341.6	303,768.4	330,203.0	358,378.4	411,255.5	371,171.3	371,613.5	373,717.0	311,766.3	329,477.1	302,914.6
Industrial													
KW													
Commercial	64.6	67.4	63.0	63.6	68.8	68.7	71.5	69.1	66.4	67.3	65.7	66.8	64.3
Commercial Large	710.2	720.3	697.0	726.4	714.2	828.4	767.4	727.6	751.0	812.4	704.0	739.9	714.9
Industrial - Rock Tenn	14,200.0	14,400.0	34,800.0	34,900.0	34,200.0	10,000.0	15,200.0	10,300.0	9,800.0	20,100.0	12,200.0	18,791.7	24,800.0
Industrial - Rayonier	13,800.0	13,200.0	12,800.0	11,200.0	13,900.0	14,000.0	13,700.0	13,500.0	26,000.0	26,000.0	26,000.0	16,433.3	26,000.0
KVAR													
Industrial	3,351.0	110.0	3,720.0	2,331.0	-	1,277.0	1,555.0	5,679.0	2,898.0	-	-	1,743.4	-
Volume													
KWH													
Residential	20,288,177	19,349,945	18,711,594	20,469,614	25,552,161	30,890,492	32,700,521	31,436,783	27,038,200	21,011,018	21,340,884	292,979,969	24,998,084
<= 1000 KWh - RS													24,998,084
> 1000 KWh - RS													
Commercial Small	3,682,907	3,739,322	4,064,663	4,196,749	4,877,928	5,496,787	5,931,279	5,980,579	5,781,531	4,823,407	4,126,870	56,820,031	4,371,916
Commercial	10,645,228	11,585,275	12,039,578	12,449,230	14,450,478	15,340,306	15,805,308	16,545,937	15,744,575	12,934,129	10,904,688	156,986,906	11,571,898
Commercial Large	5,816,268	6,181,316	6,717,516	6,682,904	6,934,264	7,884,324	9,047,620	8,908,112	8,175,496	8,595,492	7,170,624	88,079,584	6,967,036
Industrial	3,970,000	4,420,000	9,790,000	9,720,000	4,020,000	4,270,000	5,310,000	4,440,000	2,530,000	2,400,000	3,000,000	58,640,000	2,960,000
Outdoor Lights	432,184	431,403	437,477	432,124	432,939	434,430	434,661	432,769	447,109	447,947	506,667	5,300,276	453,279
Highway Light Systems	169,667	177,478	178,957	177,974	177,974	176,935	175,925	175,925	107,769	263,298	176,462	2,124,239	175,966
KW													
Commercial	44,415	46,112	43,158	43,152	46,512	46,684	48,230	47,052	44,362	44,031	43,314	541,897	42,516
Commercial Large	15,623	15,846	15,334	15,981	14,999	18,224	16,883	17,463	16,523	18,686	16,193	197,591	16,443
Industrial - Rock Tenn	14,200	14,400	34,800	34,900	34,200	10,000	15,200	10,300	9,800	20,100	12,200	225,500	24,800
Industrial - Rayonier	13,800	13,200	12,800	11,200	13,900	14,000	13,700	13,500	26,000	26,000	26,000	197,200	26,000
KVAR													
Industrial	3,351	110	3,720	2,331	-	1,277	1,555	5,679	2,898	-	-	20,921	-

	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Total 2018
Customers									
RS	24,616	24,660	24,667	24,670	24,648	24,594	24,659	24,645	24,602
<= 1000 KWh - RS	24,616	24,660	24,667	24,670	24,648	24,594	24,659	24,645	24,602
> 1000 KWh - RS	6,808	10,770	13,797	13,397	12,215	7,305	6,112	7,732	9,622
GS	3,864	3,867	3,894	3,892	3,897	3,906	3,909	3,902	3,874
GSD	559	552	533	536	539	520	524	529	547
GSLD	23	22	22	22	23	23	23	23	23
GSLD1 - Rock Tenn	1	1	1	1	1	1	1	1	1
GSLD1 - Rayonier	1	1	1	1	1	1	1	1	1
Outdoor Lights	3,013	3,013	3,013	3,013	3,013	3,013	3,013	3,013	3,013
	32,077	32,116	32,131	32,135	32,122	32,058	32,130	32,114	32,061
Customer - Seasonality									
RS	100.0%	100.2%	100.2%	100.2%	100.2%	99.9%	100.2%	100.1%	
<= 1000 KWh - RS	100.0%	100.2%	100.2%	100.2%	100.2%	99.9%	100.2%	100.1%	
> 1000 KWh - RS	69.6%	110.2%	141.1%	137.0%	125.0%	74.7%	62.5%	79.1%	
GS	99.9%	100.0%	100.7%	100.6%	100.7%	101.0%	101.1%	100.9%	
GSD	101.6%	100.3%	96.8%	97.5%	97.9%	94.4%	95.2%	96.2%	
GSLD	100.9%	98.3%	98.9%	98.9%	100.5%	100.5%	100.5%	100.5%	
GSLD1 - Rock Tenn	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
GSLD1 - Rayonier	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
Rate/Customer									
KWH									
Residential	813.8	1,096.8	1,325.0	1,292.3	1,207.1	879.0	757.4	829.3	1,008.3
<= 1000 KWh - RS	663.5	780.2	834.5	830.4	811.9	706.4	634.2	661.9	735.3
> 1000 KWh - RS	543.5	725.1	877.0	850.6	797.5	581.3	497.1	533.7	660.9
Commercial Small	1,290.7	1,607.7	1,833.1	1,843.1	1,806.0	1,543.5	1,261.7	1,231.0	1,462.9
Commercial	21,525.0	25,867.6	28,495.3	28,475.8	28,829.7	24,588.6	20,956.2	20,221.4	23,422.6
Commercial Large	312,156.2	353,708.2	359,313.3	387,828.1	369,943.8	324,847.2	317,943.9	313,113.2	325,029.8
Industrial									
KW									
Commercial	75.3	77.4	80.4	81.8	80.8	79.1	72.4	72.1	77.0
Commercial Large	739.8	729.4	717.2	751.4	709.3	733.1	708.2	689.5	713.9
Industrial - Rock Tenn	8,100.0	16,600.0	13,266.7	19,400.0	14,266.7	16,933.3	20,533.3	11,933.3	13,852.5
Industrial - Rayonier	26,000.0	26,000.0	26,000.0	26,000.0	26,000.0	26,000.0	26,000.0	26,000.0	26,000.0
KVAR									
Industrial	4,352.2	3,430.3	3,470.0	3,708.2	5,242.4	2,564.7	3,444.2	6,344.4	3,489.8
Volume									
KWH									
Residential	20,032,759	27,048,258	32,684,084	31,881,513	29,752,890	21,618,522	18,677,337	20,439,223	297,681,952
<= 1000 KWh - RS	16,332,682	19,239,197	20,583,527	20,486,377	20,011,936	17,372,340	15,638,994	16,312,648	217,088,774
> 1000 KWh - RS	3,700,077	7,809,061	12,100,557	11,395,136	9,740,954	4,246,181	3,038,343	4,126,575	80,593,178
Commercial Small	4,987,370	6,216,881	7,138,192	7,173,308	7,038,075	6,029,078	4,932,094	4,803,524	68,044,806
Commercial	12,032,471	14,278,909	15,187,985	15,263,041	15,539,234	12,786,052	10,981,074	10,697,095	153,387,704
Commercial Large	7,179,592	7,781,580	7,904,892	8,532,219	8,508,708	7,471,485	7,312,710	7,201,604	88,607,381
Industrial	1,130,000	1,650,000	1,597,778	1,993,333	1,845,556	3,724,444	2,777,778	1,574,444	23,230,000
Outdoor Lights	620,908	622,073	621,256	621,451	621,465	620,156	621,333	624,061	7,465,405
Highway Light Systems	-	-	-	-	-	-	-	-	-
KW									
Commercial	42,075	42,709	42,843	43,837	43,532	41,129	37,925	38,165	505,068
Commercial Large	17,016	16,046	15,779	16,530	16,314	16,862	16,288	15,858	194,845
Industrial - Rock Tenn	8,100	16,600	13,267	19,400	14,267	16,933	20,533	11,933	166,230
Industrial - Rayonier	26,000	26,000	26,000	26,000	26,000	26,000	26,000	26,000	312,000
KVAR									
Industrial	4,352	3,430	3,470	3,708	5,242	2,565	3,444	6,344	41,878

	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08
Customers									
RS	10,353	10,353	10,353	10,352	10,309	10,384	10,453	10,430	10,361
<= 1000 KWh - RS									
> 1000 KWh - RS									
GS	2,098	2,098	2,098	2,098	2,096	2,098	2,096	2,095	2,091
GSD	426	426	426	431	423	425	426	426	428
GSLD	13	13	13	13	13	13	13	13	13
Industrial									
Outdoor Lights	2,611	2,611	2,611	2,603	2,597	2,597	2,580	2,577	2,570
	15,501	15,501	15,501	15,497	15,438	15,517	15,568	15,541	15,463
Volume									
KWH									
Residential	13,326,315	13,870,246	11,170,004	9,883,886	9,244,042	13,319,456	14,842,114	13,983,087	12,800,770
<= 1000 KWh - RS									
> 1000 KWh - RS									
Commercial Small	2,298,881	2,392,713	2,196,878	1,997,168	2,141,266	2,748,704	3,079,419	2,894,392	2,680,583
Commercial	6,647,826	6,919,166	6,818,028	6,290,129	6,740,996	8,291,359	9,318,287	8,735,984	8,479,470
Commercial Large	4,285,597	4,460,519	4,253,092	4,086,808	4,511,252	5,271,760	5,774,364	5,297,852	5,266,968
Industrial									
Outdoor Lights	353,683	368,120	326,365	354,770	352,128	351,856	348,022	347,501	345,193
Highway Light Systems	93,186	96,989	93,386	94,442	94,452	94,452	94,421	94,359	94,359
KW									
Commercial									
Commercial Large									
Industrial									
KVAR									
Industrial									

Oct-08	Nov-08	Dec-08	Total 2008	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09
10,392	10,284	10,295	10,360	10,255	10,297	10,264	10,278	10,249	10,253
2,093	2,086	2,089	2,095	2,091	2,087	2,076	2,076	2,066	2,075
427	427	425	426	425	425	424	427	437	436
13	13	13	13	13	13	13	13	13	13
2,574	2,570	2,571	2,589	2,560	2,553	2,536	2,542	2,550	2,549
15,499	15,380	15,393	15,483	15,344	15,375	15,313	15,336	15,315	15,326
10,477,401	9,213,078	12,665,963	144,796,362	12,041,663	12,705,318	11,358,453	7,789,158	8,400,896	10,875,657
2,527,019	2,099,933	2,240,601	29,297,557	2,111,973	2,186,643	2,197,407	1,772,177	1,899,929	2,331,114
7,928,114	6,790,636	6,959,203	89,919,198	6,682,305	6,372,386	6,826,637	5,862,389	6,417,674	7,625,762
5,088,832	4,773,480	4,511,592	57,582,116	4,271,168	3,923,340	4,248,024	3,985,216	4,517,352	5,139,088
343,357	344,213	345,926	4,181,134	341,359	337,029	334,680	334,780	335,610	335,889
94,369	94,470	94,408	1,133,293	94,610	94,548	94,527	94,525	94,490	94,571

Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Total 2009	Jan-10	Feb-10	Mar-10	Apr-10
10,267	10,275	10,242	10,186	10,157	10,187	10,243	10,136	10,139	10,141	10,107
2,070	2,074	2,072	2,069	2,083	2,077	2,076	2,072	2,067	2,065	2,057
436	437	442	442	444	450	435	450	447	449	450
13	13	13	13	13	13	13	12	13	13	13
2,550	2,559	2,553	2,542	2,559	2,553	2,551	2,541	2,528	2,528	2,521
15,336	15,358	15,322	15,252	15,256	15,280	15,318	15,211	15,194	15,196	15,148
15,053,827	12,812,873	12,014,026	11,099,335	8,995,852	10,447,331	133,594,389	16,523,622	13,378,651	12,901,848	8,492,000
2,978,041	2,687,831	2,500,802	2,462,981	2,063,437	1,927,312	27,119,647	2,426,540	2,230,115	2,197,834	1,757,912
8,920,118	8,228,829	8,126,606	8,239,136	7,171,806	6,749,920	87,223,568	7,546,250	7,794,625	7,241,198	6,360,444
5,734,624	5,020,808	5,114,560	5,064,020	4,863,180	5,020,104	56,901,484	4,395,832	3,801,728	3,812,284	3,775,020
335,841	334,844	334,990	334,857	334,810	333,451	4,028,140	328,617	331,584	330,295	329,962
94,975	94,975	94,975	94,917	94,974	94,943	1,137,030	94,943	94,984	95,714	95,540

May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Total 2010	Jan-11	Feb-11	Mar-11	Apr-11	May-11
10,127	10,162	10,138	10,165	10,138	10,197	10,190	10,120	10,147	10,110	10,112	10,136	10,121	10,096
2,058	2,083	2,115	2,112	2,107	2,115	2,113	2,114	2,089	2,121	2,116	2,119	2,118	2,119
452	432	407	406	404	402	403	402	425	403	401	399	396	393
13	14	14	14	12	14	15	15	14	15	15	15	15	15
2,529	2,513	2,502	2,497	2,488	2,494	2,494	2,495	2,511	2,502	2,507	2,516	2,516	2,513
15,179	15,204	15,176	15,194	15,149	15,216	15,215	15,146	15,186	15,151	15,151	15,185	15,166	15,136
8,070,929	10,803,561	14,926,792	14,892,245	13,925,068	10,879,838	8,270,230	12,334,372	145,399,156	16,127,216	13,391,653	8,481,514	7,385,928	8,562,073
1,857,066	2,269,774	3,052,604	2,997,523	2,919,060	2,720,716	2,043,488	2,189,592	28,662,224	2,616,748	2,377,576	1,899,223	1,835,606	2,107,245
6,988,016	7,604,126	9,439,695	9,181,750	9,125,539	8,434,399	6,456,277	6,648,970	92,821,289	7,289,349	6,637,156	5,937,263	6,077,618	6,635,740
4,506,736	5,290,076	6,464,928	6,119,136	5,059,544	5,890,480	5,811,928	5,386,128	60,313,820	4,872,336	4,743,404	4,365,760	4,662,020	4,950,952
330,601	328,081	329,244	324,864	320,532	321,231	322,966	324,014	3,921,991	327,520	322,965	323,748	326,372	326,688
95,591	95,591	95,673	95,713	95,870	95,795	95,795	95,758	1,146,967	95,505	95,394	95,527	95,492	94,421

STAFF SECOND DATA REQUEST
 ATTACHMENT B
 RESPONSE QUESTIONS 26, 28, 29 30

Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Total 2011	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12
10,069	10,115	10,080	10,104	10,141	10,077	10,127	10,107	10,060	10,087	10,112	10,129	10,114	10,102	10,135	10,088
2,125	2,132	2,133	2,168	2,148	2,112	2,118	2,127	2,111	2,108	2,114	2,117	2,096	2,108	2,109	2,110
391	392	391	360	367	395	397	390	391	392	391	391	392	395	395	394
15	15	15	15	15	15	15	15	15	15	15	15	15	14	15	15
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,518	2,532	2,525	2,522	2,512	2,512	2,510	2,515	2,506	2,509	2,517	2,515	2,520	2,525	2,518	2,520
15,118	15,186	15,144	15,169	15,183	15,111	15,167	15,156	15,083	15,111	15,149	15,167	15,137	15,144	15,172	15,127
11,670,522	13,330,905	13,252,971	12,661,383	9,697,889	7,708,673	9,881,287	132,152,014	10,934,835	8,941,088	8,386,378	7,490,166	8,125,765	10,520,940	11,940,408	12,491,280
2,712,287	3,017,196	2,964,676	2,911,381	2,732,171	1,899,935	2,145,525	29,219,569	2,256,431	1,930,714	1,954,371	2,045,091	2,063,604	2,482,641	2,695,846	2,860,140
7,572,092	8,328,240	8,418,617	8,189,746	7,468,641	6,340,863	6,221,584	85,116,909	6,289,651	5,473,306	6,081,840	6,053,794	6,362,403	7,618,331	7,850,648	8,018,251
5,952,164	5,891,520	5,828,472	5,810,504	5,674,872	4,824,700	5,556,552	63,133,256	4,148,808	4,089,048	4,579,376	4,785,056	4,741,224	4,806,464	5,795,844	6,493,500
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
327,852	326,940	325,329	325,392	322,248	318,942	319,732	3,893,728	316,556	319,375	318,483	324,418	319,336	320,879	322,102	322,765
94,359	94,359	94,359	94,328	94,287	90,286	98,033	1,136,350	94,082	97,766	105,562	106,058	106,058	106,058	105,019	104,009

STAFF SECOND DATA REQUEST
 ATTACHMENT B
 RESPONSE QUESTIONS 26, 28, 29 30

Sep-12	Oct-12	Nov-12	Dec-12	Total 2012	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Total 2013	
10,085	10,057	10,085	10,038	10,091	10,035	10,029	10,078	10,125	10,075	10,199	10,111	10,103	10,083	10,053	10,046	10,051	10,082	-0.1%
					10,035	10,029	10,078	10,125	10,075	10,199	10,111	10,103	10,083	10,053	10,046	10,051	10,082	
2,116	2,110	2,104	2,101	2,109	2,101	2,093	2,093	2,097	2,109	2,111	2,109	2,105	2,103	2,099	2,104	2,110	2,103	
394	397	399	403	395	405	401	400	401	402	402	405	407	405	405	404	403	403	
15	14	15	15	15	15	13	13	14	14	13	14	14	14	14	14	14	14	
2,519	2,505	2,504	2,513	2,514	2,511	2,514	2,512	2,515	2,501	2,516	2,506	2,503	2,512	2,510	2,508	2,509	2,510	
15,129	15,083	15,107	15,070	15,123	15,067	15,050	15,096	15,152	15,101	15,241	15,145	15,132	15,117	15,081	15,076	15,087	15,112	
12,598,716	10,347,474	8,784,004	9,434,426	119,995,480	11,173,182	9,350,905	9,815,364	7,992,229	8,108,054	10,950,973	11,285,533	11,872,256	11,507,907	9,307,222	7,445,177	10,170,667	118,979,469	
					11,173,182	9,350,905	9,815,364	7,992,229	8,108,054	10,950,973	11,285,533	11,872,256	11,507,907	9,307,222	7,445,177	10,170,667	118,979,469	
2,940,135	2,792,132	2,249,219	2,039,231	28,309,555	2,174,528	1,990,451	2,031,250	1,913,997	2,167,229	2,594,178	2,645,425	2,736,360	2,664,173	2,439,762	1,920,286	2,050,752	27,328,391	
8,506,235	8,131,504	6,817,886	5,848,233	83,052,082	6,245,347	5,903,006	5,847,967	5,766,112	7,405,883	7,612,753	7,909,321	8,370,070	8,082,124	7,543,807	6,064,629	6,135,103	82,886,122	
6,376,532	5,467,476	6,199,552	5,284,804	62,767,684	4,911,176	4,140,672	4,218,392	5,053,236	5,131,332	4,667,052	6,418,392	5,369,188	5,273,212	4,903,152	4,560,792	4,594,984	59,241,580	
322,110	333,088	336,675	394,918	3,950,705	342,233	338,761	334,913	340,951	337,462	338,130	338,604	338,492	339,505	339,873	338,769	339,197	4,066,890	
104,009	104,009	105,051	104,546	1,242,227	104,050	104,050	104,113	104,265	104,514	104,514	104,514	104,514	104,514	104,555	104,552	104,552	1,252,707	

STAFF SECOND DATA REQUEST
ATTACHMENT B
RESPONSE QUESTIONS 26, 28, 29 30

Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Total 2014	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15
10,077	10,092	10,145	10,123	10,123	10,116	10,127	10,112	10,122	10,075	10,048	10,078	10,103	10,072	10,098	10,109	10,149	10,137	10,146
10,077	10,092	10,145	10,123	10,123	10,116	10,127	10,112	10,122	10,075	10,048	10,078	10,103	10,072	10,098	10,109	10,149	10,137	10,146
2,117	2,100	2,114	2,135	2,135	2,130	2,143	2,134	2,138	2,138	2,140	2,133	2,130	2,137	2,129	2,128	2,138	2,140	2,156
405	403	391	370	362	361	363	366	369	368	367	368	374	367	367	360	363	355	340
14	14	14	13	15	15	15	15	14	14	14	14	14	14	14	14	14	14	13
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,513	2,511	2,520	2,514	2,512	2,509	2,514	2,509	2,513	2,501	2,486	2,494	2,508	2,492	2,495	2,498	2,502	2,497	2,496
15,126	15,120	15,184	15,155	15,147	15,131	15,162	15,136	15,156	15,096	15,055	15,087	15,130	15,082	15,103	15,109	15,166	15,143	15,151
13,894,671	13,733,635	9,289,014	7,485,093	7,942,958	10,291,506	12,896,184	11,916,136	12,553,973	8,716,999	8,272,868	11,215,193	128,208,230	12,108,705	12,318,725	10,464,487	7,738,557	8,047,074	10,442,185
13,894,671	13,733,635	9,289,014	7,485,093	7,942,958	10,291,506	12,896,184	11,916,136	12,553,973	8,716,999	8,272,868	11,215,193	128,208,230	12,108,705	12,318,725	10,464,487	7,738,557	8,047,074	10,442,185
-	-	-	-	-	-	-	-	-	-	1,504,243	3,610,617	5,114,860	4,353,274	4,531,609	3,001,716	1,260,756	1,504,536	3,029,944
2,468,008	2,522,710	2,082,721	1,974,082	2,193,989	2,721,271	3,296,697	2,968,384	3,166,090	2,620,474	2,234,303	2,318,520	30,567,249	2,445,595	2,504,482	2,380,000	2,222,796	2,366,965	2,889,141
6,743,132	6,584,861	5,705,314	5,722,259	6,130,589	6,942,655	8,149,119	7,302,809	8,674,552	7,147,917	6,104,784	6,187,729	81,395,720	6,472,084	6,261,356	6,053,362	6,278,058	6,251,831	6,639,072
4,723,320	4,075,688	4,093,748	3,794,720	5,114,788	5,314,760	5,687,906	5,336,400	5,080,116	4,756,492	4,372,914	4,303,854	56,654,706	4,207,913	3,675,140	3,610,821	4,366,236	4,699,718	5,119,356
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
341,929	338,210	339,711	338,485	338,669	336,377	338,982	337,519	338,748	337,998	440,753	440,704	4,268,085	441,038	440,521	442,704	442,296	443,969	443,508
106,158	104,552	104,552	104,552	104,521	104,521	104,521	104,521	104,562	104,562	-	-	1,047,022	-	-	-	-	-	-
27,396	34,372	25,769	24,359	24,467	24,500	25,059	25,337	28,089	26,077	25,982	26,252	317,659	-	26,413	26,012	23,422	23,941	23,222
11,895	11,015	10,482	9,527	14,948	11,717	12,478	11,505	11,003	11,303	10,760	10,136	136,769	-	8,934	9,491	10,071	10,709	10,867

STAFF SECOND DATA REQUEST
ATTACHMENT B
RESPONSE QUESTIONS 26, 28, 29 30

Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Total 2015	2% Jan-16	Increase Factor Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	
						0.3%													
10,144	10,186	10,152	10,090	10,150	10,125	10,130	10,142	10,149	10,169	10,161	10,191	10,207	10,239	10,242	10,237	10,217	10,222	10,190	
10,144	10,186	10,152	10,090	10,150	10,125	10,130	10,142	10,149	10,169	10,161	10,191	10,207	10,239	10,242	10,237	10,217	10,222	10,190	
6,131	6,421	5,598	3,253	2,736	3,718	4,622	5,557	5,387	3,790	3,018	5,240	6,090	5,956	6,093	4,589	10,217	10,222	10,190	
2,183	2,190	2,177	2,201	2,207	2,210	2,166	2,207	2,197	2,192	2,190	2,208	2,193	2,196	2,203	2,194	2,197	2,198	2,198	
319	322	339	309	313	315	339	316	316	318	319	320	320	318	321	320	321	320	327	
13	13	13	13	13	13	13	13	13	13	14	13	13	12	13	13	13	13	13	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,499	2,503	2,498	2,477	2,486	2,480	2,494	2,476	2,487	2,492	2,494	2,501	2,509	2,511	2,512	2,508	2,518	2,512	2,515	
15,158	15,214	15,179	15,090	15,169	15,143	15,142	15,154	15,162	15,184	15,178	15,233	15,242	15,276	15,291	15,272	15,266	15,265	15,243	
13,229,109	13,828,095	11,855,074	8,193,082	7,469,967	8,617,076	124,312,136	11,689,917	11,149,613	8,793,637	7,220,840	7,864,824	11,332,812	12,889,394	12,705,330	12,933,464	10,081,084	7,400,630	8,853,589	
8,050,416	8,198,830	7,842,388	6,617,871	6,365,325	6,916,204	87,428,932	7,713,753	7,604,697	6,966,426	6,261,238	6,513,297	7,665,999	8,085,650	8,055,028	8,108,275	7,413,708	6,352,923	7,024,752	
5,178,693	5,629,265	4,012,686	1,575,211	1,104,642	1,700,872	36,883,204	3,976,164	3,544,916	1,827,211	959,602	1,351,527	3,666,813	4,803,744	4,650,302	4,825,189	2,667,376	1,047,707	1,828,837	
3,702,473	3,825,238	3,301,478	2,788,156	2,541,597	2,461,245	33,429,166	2,758,358	2,635,363	2,458,248	2,404,982	2,596,814	3,204,916	3,545,332	3,405,441	3,647,609	3,247,169	2,587,514	2,473,470	
8,120,551	8,582,786	7,925,803	6,429,590	5,875,122	5,528,173	80,417,788	6,101,726	5,583,577	5,418,899	5,661,674	5,961,865	7,490,682	7,682,910	7,646,593	8,200,309	6,980,590	5,624,989	5,592,782	
5,549,900	5,743,672	5,439,340	4,718,392	4,921,548	4,698,592	56,750,628	4,623,488	3,929,160	4,131,156	4,398,116	4,394,913	5,003,981	4,074,058	5,633,975	5,083,289	4,640,084	4,393,124	4,479,090	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
442,454	443,759	442,214	438,215	439,620	445,077	5,305,375	445,569	450,357	446,759	439,637	438,093	442,138	438,942	439,376	441,640	442,995	443,266	442,644	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24,134	25,417	25,793	23,287	22,403	22,015	266,059	24,436	24,844	23,514	23,122	23,455	23,804	23,665	24,393	24,233	23,788	21,737	22,290	
11,780	11,722	10,793	11,315	11,272	10,418	117,372	10,719	10,105	9,320	9,810	9,888	9,269	6,873	9,378	8,173	9,162	8,579	8,775	

Total 2016	0.5% Jan-17	Increase Factor Feb-17	Mar-17
10,197	10,190	10,200	10,242
10,197	10,190	10,200	10,242
4,556	4,881	3,440	2,945
2,198	2,201	2,195	2,168
320	337	344	357
13	14	13	13
1			
2,503	2,528	2,539	2,546
15,232	15,270	15,291	15,326
122,915,134	10,308,808	8,392,596	7,754,107
87,765,746	7,505,510	6,879,254	6,619,201
35,149,388	2,803,298	1,513,342	1,134,906
34,965,216	2,560,846	2,159,399	2,011,606
77,946,596	5,817,121	5,546,331	5,715,956
54,784,434	4,251,444	4,065,636	4,070,120
-			
5,311,416	444,305	442,660	445,577
-			
283,281	24,751	24,021	23,677
110,050	10,779	8,827	9,258
-			

	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08
Customers									
RS	13,432	13,432	13,432	13,477	13,502	13,477	13,527	13,492	13,488
<= 1000 KWh - RS									
> 1000 KWh - RS									
GS	1,464	1,464	1,464	1,467	1,465	1,496	1,497	1,496	1,495
GSD	302	302	302	301	302	292	287	288	287
GSLD	7	7	7	7	7	7	7	7	7
Industrial	2	2	2	2	2	2	2	2	2
Outdoor Lights	518	518	518	518	521	521	520	421	524
Highway Lighting	7	7	7	7	7	7	7	7	7
	15,732	15,732	15,732	15,779	15,806	15,802	15,847	15,713	15,810
Volume									
KWH									
Residential	14,341,123	14,926,475	13,417,592	11,922,206	12,757,570	17,728,326	21,105,437	19,711,383	18,698,533
<= 1000 KWh - RS									
> 1000 KWh - RS									
Commercial Small	2,066,065	2,150,394	2,123,750	2,008,007	2,193,062	2,726,890	3,078,348	2,959,321	2,677,280
Commercial	5,954,520	6,197,561	6,337,783	6,239,244	6,760,086	7,872,174	8,703,926	8,087,438	7,707,201
Commercial Large	2,004,727	2,086,553	2,089,960	1,978,600	2,159,060	2,219,480	2,479,300	2,189,040	2,296,040
Industrial	7,350,000	7,190,000	6,480,000	5,450,000	8,030,000	8,730,000	8,480,000	7,130,000	6,080,000
Outdoor Lights	65,807	68,493	120,319	114,922	114,904	116,999	115,552	115,574	103,271
Highway Light Systems	93,735	97,561	93,265	93,227	93,227	93,227	93,572	93,572	93,938
KW									
Commercial									
Commercial Large									
Industrial									
KVAR									
Industrial									

Oct-08	Nov-08	Dec-08	Total 2008	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09
13,504	13,527	13,573	13,489	13,423	13,435	13,441	13,459	13,399	13,484
1,499	1,498	1,501	1,484	1,489	1,490	1,492	1,488	1,484	1,496
291	286	293	294	289	291	288	288	286	287
7	7	7	7	7	7	7	7	7	7
2	2	2	2	3	2	2	2	2	2
521	523	519	512	522	523	520	519	519	517
7	7	7	7	7	7	7	7	7	7
15,831	15,850	15,902	15,795	15,740	15,755	15,757	15,770	15,704	15,800
15,245,098	12,215,599	13,780,832	185,850,174	14,016,093	16,295,123	14,501,165	11,055,012	12,149,048	15,941,046
2,675,666	2,156,673	2,041,202	28,856,658	2,088,719	2,082,939	2,154,626	1,905,203	2,035,393	2,410,429
7,508,772	6,496,609	5,978,669	83,843,983	5,891,651	5,398,834	6,775,231	6,954,766	6,333,861	7,427,872
2,148,360	2,004,620	2,009,100	25,664,840	1,867,680	1,820,420	2,058,820	1,917,940	2,030,840	2,150,580
6,200,000	5,180,000	8,000,000	84,300,000	7,510,000	6,030,000	6,770,000	5,970,000	5,490,000	4,870,000
116,173	116,652	116,159	1,283,825	116,935	115,463	116,368	115,956	115,931	116,053
93,938	93,938	93,897	1,127,097	93,897	127,279	94,385	94,385	94,385	94,385

Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Total 2009	Jan-10	Feb-10	Mar-10	Apr-10
13,458	13,449	13,416	13,620	13,398	13,434	13,451	13,364	13,404	13,410	13,453
1,495	1,500	1,494	1,487	1,517	1,508	1,495	1,496	1,489	1,489	1,502
290	290	290	287	301	292	290	290	291	293	294
7	7	7	7	7	7	7	7	7	7	7
2	2	2	2	3	3	2	2	2	2	2
514	515	513	508	505	506	515	504	508	506	508
7	7	7	8	8	9	7	10	11	11	12
15,773	15,770	15,729	15,919	15,739	15,759	15,768	15,673	15,712	15,718	15,778
21,665,255	18,821,371	17,851,367	16,424,496	12,401,045	11,590,753	182,711,774	19,058,451	17,485,927	17,679,296	11,869,807
2,929,573	2,757,986	2,659,031	2,589,390	2,218,503	1,922,225	27,754,017	2,323,130	2,355,165	2,229,640	1,959,349
8,781,599	8,188,279	7,974,912	8,091,133	5,888,379	5,867,286	83,573,803	6,523,076	6,003,835	6,043,698	5,738,070
2,262,560	2,197,960	2,152,980	2,099,760	2,125,740	1,850,440	24,535,720	2,073,660	2,017,000	1,910,400	1,922,080
4,960,000	5,820,000	4,400,000	3,430,000	4,030,000	5,670,000	64,950,000	6,030,000	6,230,000	6,610,000	11,660,000
116,080	115,920	116,914	115,332	115,570	105,116	1,381,638	115,210	114,771	115,216	115,348
94,385	94,344	94,587	94,505	94,605	94,922	1,166,064	95,107	95,148	95,107	94,650

STAFF SECOND DATA REQUEST
 ATTACHMENT B
 RESPONSE QUESTIONS 26, 28, 29 30

May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Total 2010	Jan-11	Feb-11	Mar-11	Apr-11	May-11
13,423	13,483	13,435	13,466	13,441	13,495	13,472	13,458	13,442	13,471	13,455	13,483	13,497	13,515
1,500	1,504	1,499	1,510	1,511	1,509	1,517	1,501	1,502	1,500	1,505	1,508	1,505	1,507
291	293	291	297	304	299	296	297	295	297	297	298	299	298
7	7	7	7	7	7	7	7	7	7	7	7	7	7
2	2	2	2	2	2	2	2	2	2	2	2	2	2
504	505	503	501	501	502	501	501	504	501	501	499	496	495
14	14	14	14	14	15	14	15	13	15	15	15	15	15
15,741	15,808	15,751	15,797	15,780	15,829	15,809	15,781	15,765	15,793	15,782	15,812	15,821	15,839
11,957,964	16,676,742	21,509,436	22,925,453	20,599,922	15,574,581	11,322,702	14,980,973	201,641,254	21,295,913	16,533,181	11,543,396	10,763,091	12,949,235
2,094,634	2,497,942	2,948,374	3,191,607	3,060,343	2,628,610	2,112,408	2,106,219	29,507,421	2,531,620	2,194,285	2,038,243	1,908,059	2,054,688
6,381,678	7,649,611	9,002,938	9,116,295	9,369,980	7,830,615	6,607,348	6,353,465	86,620,609	6,587,883	5,805,264	5,798,820	6,002,475	6,884,238
2,164,920	2,354,980	2,414,900	2,517,660	2,522,200	1,970,120	2,108,160	2,144,160	26,120,240	2,186,940	2,016,160	1,964,240	2,040,180	2,093,440
4,140,000	4,910,000	3,540,000	5,010,000	4,680,000	3,720,000	4,710,000	5,340,000	66,580,000	6,150,000	5,230,000	4,290,000	5,330,000	4,640,000
115,596	115,346	116,902	113,424	107,456	105,272	113,368	136,767	1,384,676	113,587	113,723	113,568	113,518	113,848
94,754	94,871	94,871	94,871	94,871	95,026	92,826	92,197	1,134,299	92,096	92,155	92,116	92,106	92,106

Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Total 2011	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12
13,480	13,517	13,449	13,484	13,486	13,477	13,568	13,490	13,539	13,496	13,552	13,543	13,568	13,554	13,601	13,571
1,496	1,503	1,499	1,513	1,510	1,519	1,532	1,508	1,523	1,518	1,520	1,525	1,529	1,539	1,553	1,545
298	296	297	300	298	297	297	298	295	296	293	294	286	281	285	281
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
491	497	496	498	496	495	497	497	500	504	505	504	501	502	504	500
15	15	15	15	15	16	16	15	16	17	17	18	17	17	17	17
15,789	15,837	15,765	15,819	15,814	15,813	15,919	15,817	15,882	15,840	15,896	15,893	15,910	15,902	15,969	15,923
16,800,538	19,632,714	20,422,472	19,310,156	14,530,775	9,735,125	12,395,601	185,912,197	13,255,745	11,347,089	10,963,567	11,221,428	12,343,849	15,031,221	18,950,084	20,209,241
2,499,983	2,823,413	3,005,638	2,707,641	2,479,148	1,878,629	2,187,244	28,308,591	1,861,578	1,752,193	1,784,951	2,019,572	2,133,145	2,395,287	2,800,941	3,071,139
7,708,612	8,298,362	8,495,431	8,406,608	7,492,229	5,709,407	10,118,436	87,307,765	2,252,523	5,171,922	5,503,435	5,985,784	6,086,827	6,832,147	7,489,658	7,787,057
2,363,340	2,263,500	2,227,760	2,375,300	2,064,940	1,756,420	2,190,180	25,542,400	1,816,840	1,727,220	1,601,940	1,932,460	1,941,680	2,127,800	2,088,480	2,554,120
4,040,000	4,340,000	4,140,000	3,060,000	3,290,000	3,910,000	4,020,000	52,440,000	4,770,000	3,970,000	4,420,000	9,790,000	9,720,000	4,020,000	4,270,000	5,310,000
113,437	113,616	113,632	113,725	113,506	113,882	116,886	1,366,928	114,010	112,809	112,920	113,059	112,788	112,060	112,328	111,896
83,235	(1,721)	158,027	79,847	91,992	(19,040)	146,655	999,574	71,793	71,901	71,916	72,899	71,916	71,916	71,916	71,916

STAFF SECOND DATA REQUEST
ATTACHMENT B
RESPONSE QUESTIONS 26, 28, 29 30

Sep-12	Oct-12	Nov-12	Dec-12	Total 2012	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Total 2013	
13,628	13,629	13,653	13,608	13,579	13,582	13,609	13,668	13,704	13,638	13,763	13,711	13,637	13,667	13,660	13,636	13,644	13,660	0.6%
1,545	1,546	1,582	1,577	1,542	1,572	1,574	1,580	1,582	1,584	1,584	1,580	1,574	1,582	1,580	1,576	1,576	1,579	
287	271	255	256	282	256	259	262	262	261	262	265	267	265	265	265	263	263	
9	8	8	8	7	8	8	8	8	8	8	8	8	8	8	8	8	8	
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
498	494	501	498	501	494	495	494	493	495	498	494	493	494	490	488	485	493	
17	16	17	17	17	17	17	17	19	21	21	21	21	21	21	21	21	20	
15,986	15,966	16,018	15,966	15,929	15,931	15,964	16,031	16,070	16,009	16,138	16,081	16,002	16,039	16,026	15,996	16,000	16,024	
18,838,067	16,690,726	12,227,014	11,906,458	172,984,489	13,824,902	12,300,817	13,310,047	11,657,100	11,986,703	16,161,431	18,916,678	18,908,306	17,923,609	13,661,714	10,149,284	11,965,288	170,765,879	
3,040,444	2,989,399	2,574,188	2,087,639	28,510,476	2,197,388	1,985,843	2,104,419	2,078,551	2,302,250	2,713,350	2,920,436	3,096,139	2,968,142	2,555,548	2,079,041	2,089,168	29,090,275	
8,039,702	7,613,071	6,116,243	5,056,455	73,934,824	5,326,551	4,857,880	5,256,415	5,549,471	6,307,278	6,970,108	7,314,768	7,675,913	8,229,371	6,912,534	5,845,676	5,712,661	75,958,626	
2,531,580	2,708,020	2,395,940	1,885,820	25,311,900	2,055,860	1,688,000	1,964,920	2,075,840	2,330,220	2,551,320	2,485,220	2,633,780	2,605,260	2,506,620	2,030,660	2,195,660	27,123,360	
4,440,000	2,580,000	2,400,000	3,000,000	58,640,000	2,960,000	2,500,000	5,760,000	1,620,000	2,180,000	1,760,000	2,040,000	2,340,000	2,020,000	2,780,000	3,540,000	1,620,000	31,120,000	
110,659	114,021	111,272	111,749	1,349,571	111,046	111,012	110,322	110,482	110,687	111,741	111,179	111,216	111,271	111,140	111,040	111,367	1,332,503	
71,916	3,760	158,247	71,916	882,012	71,916	71,916	72,175	73,842	74,024	74,073	74,073	74,073	74,073	74,073	74,073	71,112	879,423	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Total 2014	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15
13,650	13,725	13,760	13,752	13,780	13,789	13,784	13,764	13,774	13,784	13,800	13,784	0.7%	13,806	13,833	13,835	13,894	13,906	13,902
13,650	13,725	13,760	13,752	13,780	13,789	13,784	13,764	13,774	13,784	13,800	13,784	13,762	13,806	13,833	13,835	13,894	13,906	13,902
1,572	1,604	1,607	1,624	1,621	1,627	1,620	1,618	1,620	1,616	1,613	1,617	1,613	1,612	1,615	1,619	1,627	1,637	1,642
265	243	249	242	240	240	239	238	238	238	239	240	243	238	239	234	235	231	232
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
485	488	487	485	482	480	482	480	479	474	494	493	484	493	492	488	494	491	493
21	21	22	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
16,003	16,091	16,135	16,134	16,154	16,167	16,156	16,131	16,142	16,143	16,156	16,144	16,133	16,159	16,189	16,186	16,260	16,275	16,279
16,750,327	17,485,455	13,337,478	11,104,423	12,142,434	16,133,312	20,032,378	19,033,831	18,608,206	12,890,999	10,795,697	13,695,602	182,010,142	15,298,449	16,089,510	14,572,380	11,643,930	12,196,003	16,568,359
16,750,327	17,485,455	13,337,478	11,104,423	12,142,434	16,133,312	20,032,378	19,033,831	18,608,206	12,890,999	8,811,938	9,952,065	176,282,846	10,553,513	10,822,968	10,547,769	9,352,920	9,465,527	11,126,915
-	-	-	-	-	-	-	-	-	-	1,983,759	3,743,537	5,727,296	4,744,936	5,266,542	4,024,611	2,291,010	2,730,476	5,441,444
2,308,608	2,560,102	2,186,777	2,163,330	2,580,458	3,049,416	3,582,398	3,415,326	3,572,212	2,745,807	2,366,552	2,406,144	32,937,130	2,483,455	2,560,110	2,392,896	2,304,681	2,401,445	2,939,267
5,946,681	5,747,192	5,438,494	5,415,759	5,885,188	6,623,285	7,631,052	7,530,935	7,121,244	6,302,150	5,989,534	5,510,613	75,142,127	5,840,067	5,577,260	5,649,415	5,828,223	6,029,352	6,766,840
2,248,220	2,158,480	2,176,200	2,018,680	2,346,920	2,632,380	2,605,980	2,590,060	2,722,600	2,203,320	2,051,880	2,077,180	27,831,900	2,274,280	2,104,400	2,259,140	2,208,240	2,293,640	2,274,800
1,470,000	3,680,000	4,480,000	1,660,000	4,170,000	1,410,000	5,060,000	900,000	1,130,000	1,440,000	2,520,000	1,170,000	29,090,000	2,200,000	3,290,000	2,020,000	740,000	290,000	1,110,000
110,558	102,443	118,823	110,656	112,070	111,445	110,916	111,388	110,942	109,809	179,350	180,778	1,469,178	180,234	178,926	178,209	178,543	178,866	178,843
68,242	69,677	69,672	69,677	69,677	69,677	69,677	69,677	69,677	69,677	69,677	69,677	695,330	69,677	69,677	69,677	69,677	69,677	69,677
18,963	19,337	30,375	17,814	17,993	19,185	19,098	17,961	19,104	19,309	18,746	18,973	236,855	44,973	17,856	19,538	17,681	19,060	19,359
5,037	5,533	5,478	5,091	5,593	5,639	5,629	5,613	5,516	5,542	5,465	5,243	65,377	15,587	4,945	5,581	5,267	5,320	5,421
46,300	48,500	58,900	39,000	61,500	40,100	45,900	45,100	42,200	51,400	42,600	61,200	582,700	46,300	48,400	33,400	37,000	32,900	57,000
-	4,937	1,188	-	3,426	2,221	10,410	6,438	5,620	-	8,274	6,516	49,030	108	-	4,654	3,428	3,395	3,747

Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Total 2015	2% Jan-16	Increase Factor Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	
						1.1%													
13,948	13,947	13,933	13,933	13,993	13,984	13,910	13,998	14,023	14,021	14,042	14,096	14,107	14,139	14,114	14,131	14,121	14,149	14,155	
13,948	13,947	13,933	13,933	13,993	13,984	13,910	13,998	14,023	14,021	14,042	14,096	14,107	14,139	14,114	14,131	14,121	14,149	14,155	
9,473	8,898	7,790	4,671	3,990	3,723	6,219	6,268	6,852	4,626	3,508	4,388	8,240	9,692	9,475	8,989	5,910	3,194	3,598	
1,658	1,656	1,672	1,667	1,667	1,651	1,644	1,652	1,647	1,641	1,642	1,653	1,650	1,623	1,625	1,642	1,645	1,647	1,651	
218	220	207	204	208	215	223	216	217	218	218	219	219	220	219	219	220	221	220	
8	8	9	9	9	9	8	9	9	9	9	9	9	9	9	9	9	9	9	
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
493	494	488	488	489	490	491	486	488	489	490	491	491	491	489	490	492	497	495	
16,327	16,327	16,311	16,303	16,368	16,351	16,278	16,363	16,386	16,380	16,403	16,470	16,478	16,484	16,458	16,493	16,489	16,525	16,532	
20,842,915	19,573,050	17,528,485	12,479,630	11,531,127	11,007,528	179,331,366	14,635,040	15,290,941	12,363,747	11,062,286	12,143,878	18,246,969	21,080,456	20,595,418	19,692,195	14,273,113	10,502,058	10,852,359	
12,059,495	11,864,579	11,368,334	9,657,408	9,172,798	8,814,684	124,806,910	10,364,363	10,799,161	9,767,366	9,073,547	9,538,103	11,628,642	12,295,577	12,226,827	12,002,286	10,535,576	8,758,421	8,869,041	
8,783,420	7,708,471	6,160,151	2,822,222	2,358,329	2,192,844	54,524,456	4,270,677	4,491,780	2,596,381	1,988,739	2,605,775	6,618,327	8,784,879	8,368,591	7,689,909	3,737,537	1,743,637	1,983,318	
3,557,752	3,503,162	3,344,330	2,838,669	2,519,453	2,404,624	33,249,844	2,530,998	2,346,936	2,298,913	2,294,381	2,441,204	3,113,796	3,346,409	3,530,533	3,432,571	2,853,766	2,177,919	2,208,575	
7,793,911	7,444,466	6,998,254	6,024,091	5,590,377	5,582,290	75,124,546	5,817,275	5,002,671	5,278,088	5,630,090	5,793,005	7,107,016	7,340,733	7,434,768	7,742,181	6,406,321	5,428,189	5,265,419	
2,659,540	2,674,180	2,907,660	2,468,120	2,481,960	2,359,660	28,965,620	2,509,480	2,360,840	2,330,020	2,413,920	2,346,600	2,812,920	2,807,660	2,611,760	2,847,240	2,466,680	2,192,900	2,239,640	
1,350,000	1,920,000	1,300,000	410,000	1,200,000	3,050,000	18,880,000	2,570,000	2,720,000	1,390,000	1,440,000	1,210,000	2,250,000	980,000	2,340,000	2,570,000	7,610,000	4,420,000	200,000	
181,168	179,881	179,193	179,110	179,191	179,889	2,152,053	179,921	180,461	180,334	179,908	180,888	179,656	179,947	179,885	179,883	179,992	180,588	180,512	
19,071	19,377	18,489	17,777	17,052	17,100	247,332	17,903	17,642	17,452	16,889	17,623	18,689	19,559	19,539	19,208	18,744	16,511	16,720	
5,305	5,403	6,001	5,800	5,572	5,446	75,649	5,622	5,709	5,927	5,455	5,792	5,620	5,797	5,781	6,014	5,801	5,576	5,646	
40,600	60,000	50,600	40,000	41,200	42,600	530,000	33,788	35,757	32,000	39,700	34,700	35,400	38,600	38,100	35,100	44,400	49,200	35,600	
3,811	1,252	-	5,318	8,189	383	34,285	3,124	1,856	3,635	2,636	5,541	3,416	-	-	4,036	1,379	-	7,152	

Total 2016	0.5% Jan-17	Increase Factor Feb-17	Mar-17
14,091	14,182	14,221	14,277
14,091	14,182	14,221	14,277
6,228	5,178	3,708	3,296
1,643	1,641	1,644	1,641
219	222	221	222
9	9	9	9
1	2	2	2
491	489	489	487
<hr/>			
16,454	16,545	16,586	16,638
180,738,460	13,072,111	11,098,994	10,699,684
125,858,910	10,005,521	9,219,276	9,040,703
54,879,550	3,066,590	1,879,718	1,658,981
32,576,001	2,299,204	2,061,366	2,091,213
74,245,756	5,331,811	4,930,336	5,274,589
29,939,660	2,422,580	2,101,420	2,151,440
29,700,000	1,590,000	240,000	1,330,000
2,161,975	179,067	181,036	179,857
-	-	-	-
216,479	16,886	16,765	16,865
68,740	5,650	5,338	5,502
452,345	43,700	38,600	54,400
-			
32,775	5,136	4,367	3,088