

# Beaches Energy Services

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## Mission

*To provide reliable energy services at a competitive price with superior customer service that is “Above and Beyond the Expected.”*

## Organization

Beaches Energy Services provides electric service to more than 35,064 customers and 24-hour customer service outage restoration. The Department is responsible for designing, constructing, operating, and maintaining electric facilities and natural gas service in Jacksonville Beach, Neptune Beach, Ponte Vedra Beach, and Palm Valley.

Authorized Positions	FY2019	FY2020	FY2021
Administration	4	4	4
Engineering	8	8	8
Relay/Substation	6	7	7
Construction & Maintenance	31	30	30
System Operations	10	11	11
Regulatory Compliance	1	1	1
Meter Services	12	11	11
<b>TOTAL</b>	<b>72</b>	<b>72</b>	<b>72</b>

## Administration Division

Ensures Department’s compliance with accounting and budgetary policies and controls concerning disbursements, purchasing, payroll, and other financial matters. The Division provides overall direction and policy for the daily operations of the Department.

Authorized Positions	FY2019	FY2020	FY2021
Director of Beaches Energy Services	1	1	1
Utilities Accountant	1	1	1
Office Administrator	1	1	1
Administrative Assistant	1	1	1
<b>TOTAL</b>	<b>4</b>	<b>4</b>	<b>4</b>

# Beaches Energy Services

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## Organization (continued)

### Engineering Division

Plans and designs the electric transmission, substation, and distribution systems. Monitors and administers regulatory compliance activities.

Authorized Positions	FY2019	FY2020	FY2021
Electrical Engineering Supervisor	1	1	1
Electrical Engineering Project Supervisor	1	1	1
Electrical Engineer (Reg PE)	0	0	1
Electrical Engineer	2	2	1
Electrical Engineering Tech II	2	2	2
Lead Design Draft / GIS Tech	1	1	0
GIS System Analyst	0	0	1
Design / Drafting Tech	1	1	0
GIS Engineering Coordinator	0	0	1
<b>TOTAL</b>	<b>8</b>	<b>8</b>	<b>8</b>

### Relay/Substation Division

Maintains the electric substations and associated protection systems.

Authorized Positions	FY2019	FY2020	FY2021
Construction & Maintenance Supervisor	1	1	1
Relay Technician	4	5	5
Apprentice Relay Technician	1	1	1
<b>TOTAL</b>	<b>6</b>	<b>7</b>	<b>7</b>

### Construction & Maintenance Division

Constructs and maintains the overhead and underground facilities in transmission and distribution systems.

Authorized Positions	FY2019	FY2020	FY2021
Electric Utilities Superintendent	1	1	1
Construction & Maintenance Supervisor	2	2	1
Line Crew Leader	7	7	8
Journey Line Worker	14	13	14
Apprentice Line Worker	7	7	6
<b>TOTAL</b>	<b>31</b>	<b>30</b>	<b>30</b>

# Beaches Energy Services

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## Organization (continued)

### System Operations

Monitors and operates the electric system according to industry standards and regulatory compliance. Provides a 24-hour dispatch center for emergency response and customer service.

Authorized Positions	FY2019	FY2020	FY2021
System Operations Supervisor (Certified)	1	1	1
System Operations Programmer (NERC Certified)	1	1	2
System Operator (Certified)	8	8	6
System Operator	0	1	2
<b>TOTAL</b>	<b>10</b>	<b>11</b>	<b>11</b>

### Regulatory Compliance Division

This department monitors compliance and ensures regulatory compliance with NERC guidelines. The Regulatory Compliance Officer now reports to the Department Director.

Authorized Positions	FY2019	FY2020	FY2021
Electrical Engineer	1	1	0
Regulatory Compliance Officer	0	0	1
<b>TOTAL</b>	<b>1</b>	<b>1</b>	<b>1</b>

### Natural Gas Division

Provides contract management administration and oversight for all activities in the delivery of natural gas. This division is comprised of the Administration Division along with outside contractors.

### Meter Services Division

Provides support services for all meter reading and meter service functions.

Authorized Positions	FY2019	FY2020	FY2021
Electric Meter Supervisor	1	1	1
Electric Meter Technician	1	1	0
Meter Technician I, II	0	0	2
Consumption Technician	1	1	0
Cut-in Cut-out Technician	3	3	2
Office Assistant	1	1	1
Meter Reader	5	4	5
<b>TOTAL</b>	<b>12</b>	<b>11</b>	<b>11</b>

# Beaches Energy Services

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## Recent Accomplishments

- Completed negotiations to modify existing Agreements with TECO Partners. This will allow Beaches Energy the flexibility to develop a new business model that will reduce costs for its customers while providing the same services. The gas purchase piece of this should result in a savings of approximately \$300,000 plus and will be effective in June 2<sup>nd</sup>, 2020 with Council approval.
- Beaches Energy Services received the Diamond designation for the years 2017-2019 from the American Public Power Association (APPA) for our Reliable Public Power Provider (RP<sub>3</sub>) submission. This is the third time in a row that we have received the Diamond designation which is the highest award level given by the APPA. This year we achieved a score of 99.9 out of 100. We will be re-applying for the award again in 2022.
- Florida Municipal Electric Association (FMEA) honored Beaches Energy Services with its Building Strong Communities Award, recognizing the utility for its commitment to enhancing the quality of life in our community. Beaches Energy also received the Florida Municipal Electric Association's (FMEA) Restoring Communities Award for our work in restoring the power in other communities post storms.
- We continue to maintain our electric outage time to less than half of the average for the Southeast United States and below the average of selected FMPA members. FMPA member utilities in our category had an average SAIDI (System Average Interruption Duration Index) of 69.71 minutes while our SAIDI was 33.73 minutes.
- Developed and finalized an Engineer, Procure, Construct (EPC) RFP that will be utilized as a template for all future large-scale projects. This type of project limits the participation of the owner to quality control aspects of the job. This type of contract also limits risk to Beaches Energy and in turn guarantees an overall lower project cost.
- Significant substation improvements were made at four of our six stations to include: station expansion & transformer addition; transmission & distribution breaker replacements; motor-operated switch replacements; protective relay replacements; SCADA communications equipment replacements; and an autotransformer replacement. All these items have been or are scheduled to be completed by the end of September 2020.

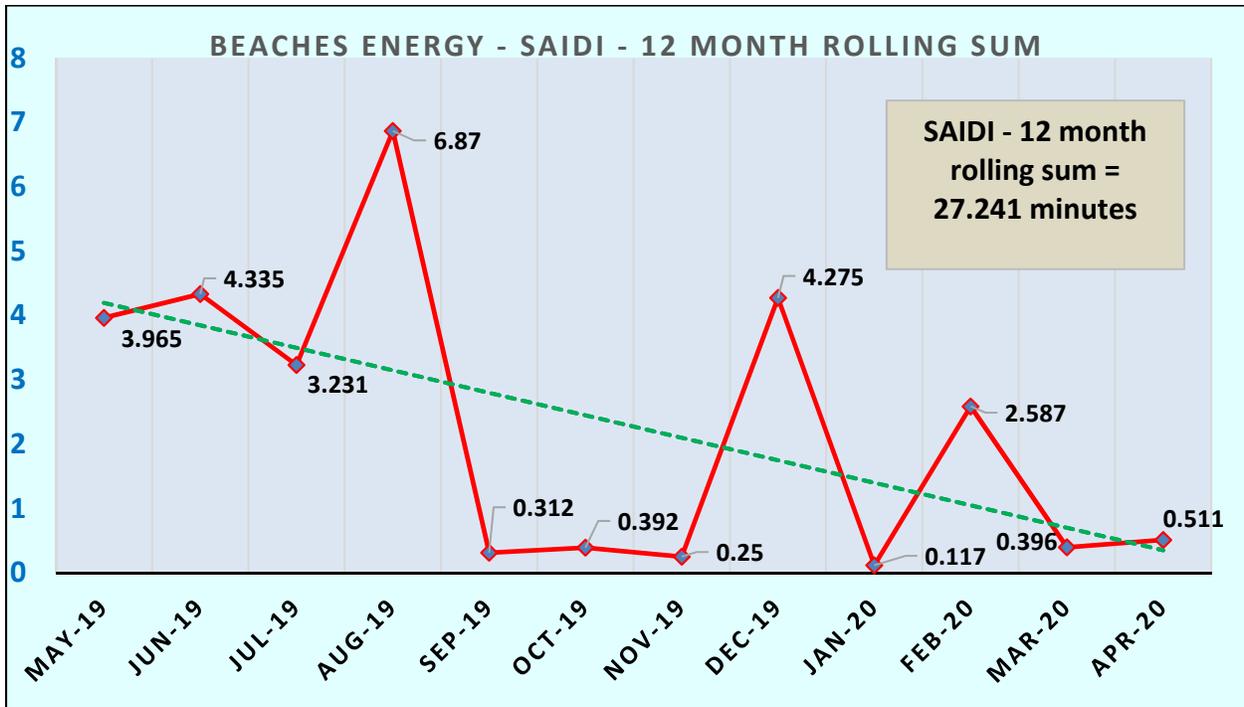
# Beaches Energy Services

## System Reliability

2019 Calendar Year Distribution Reliability Indices								
	FL Munis	FPL	TECO	Duke	Gulf	FPUC	Beaches	Difference
Average Minutes Out per Customer	69.71	49.4	75.87	94.5	67.2	264.45	33.73	31.72%
Average # of Times Out per Customer	1.16	0.82	1.07	0.97	0.97	2.95	0.74	9.76%

\*Per Chapter 25-6.0455(3)(c), MAIFle not reported for utilities with fewer than 50,000 customers.

## SAIDI – Rolling 12 Month Sum



# Beaches Energy Services

## Customer Service

Each year, the Billing Office mails out **customer service surveys**. The following represents the customers' ratings for questions that were given a response of "yes" or "no". The 2019 surveys were sent to 720 customers and 115 customers responded.

*Beaches Energy Services employees are committed to serving our customers and exceeding their expectations.*

<b>Customer Service</b>	<b>Actual FY2018</b>	<b>Actual FY2019</b>	<b>FYTD 3/31/20</b>	<b>Target FY2021</b>
The utility bill is easy to understand.	100%	96%	100%	95%
Our service is reliable.	100%	98%	100%	95%
I was treated courteously.	100%	100%	100%	95%
The service was prompt.	100%	100%	100%	95%
The employee was helpful.	100%	99%	100%	95%
The employee was knowledgeable.	99%	100%	100%	95%
The employee referred to me by name.	95%	91%	97%	95%
The employee thanked me for my business.	99%	96%	100%	95%

Beaches Energy Services mails **surveys to our energy audit customers** each year. The 2019 surveys were sent to 180 customers and 71 responded. The following represents the customers' ratings.

<b>Energy Audits</b>	<b>Actual FY2018</b>	<b>Actual FY2019</b>	<b>FYTD 3/31/20</b>	<b>Target FY 2021</b>
<b>Energy Audit Survey</b>	Percent Agree	Percent Agree	Percent Agree	Target Agree
Was the Utility Auditor on time for your scheduled audit?	99%	100%	100%	95%
Was the Utility Auditor polite and courteous?	100%	100%	100%	95%
Was the Utility Auditor knowledgeable and helpful when explaining the results of the audit?	99%	100%	100%	95%
Did the Utility Auditor provide you with tips to conserve energy?	97%	100%	100%	95%
Would you recommend this audit service for other customers?	99%	97%	100%	95%

# Beaches Energy Services

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The number of total customers served has grown from 34,035 in 2010 to 35,064 in 2020. This increase represents a 4.2 percent increase over the past ten years.



## Cost

- Beaches Energy Services residential rate for 1,000 kWh remains below the State average (see rate schedule below).
- Since 2010, residential rates have been reduced by \$28 per 1,000 kWh. This represents an average annual decrease of \$324 per residential customer.
- In order to foster growth in solar technology, Beaches Energy originally included both the operations and maintenance and power cost portions of the total rate in the net metering refund calculation. In fairness to all of our customers, we need to reevaluate the net metering refund fee and only give the power cost portion back. We plan to discuss this as part of our Beaches Energy Strategic Plan.
- Beaches Energy also invested in solar energy by participating in a Community Solar Project with twelve other municipal electric utilities. This joint effort, known as the Florida Municipal Solar Project, is one of the largest municipal-backed solar projects in the United States. Approximately 900,000 solar panels are currently being installed on three solar sites in Osceola and Orange Counties. Combined, the three solar sites will total approximately 1,200 acres, or the equivalent of 900 football fields filled with solar panels. Total electricity output will be 223.5 megawatts, which is enough energy to power 45,000 typical Florida homes. Each solar site is designed to generate 74.5 megawatts. Working together, we can collectively build larger, more efficient solar installations. **The power output from this project will be equal to 37,250 average-size rooftop solar systems.** Another benefit of this project is that there is no up-front cost to the cities for participating. They will only pay for power when it is produced. In addition, the ground-mounted solar panels for this project will be installed with a computer-controlled tracking system to follow the sun daily as it moves from east to west, maximizing power output. As a result, **the cost of solar energy from this project is about one-third the cost of a typical private, rooftop system.** Power should begin flowing from this project in June 2020. This project allows our customers to benefit from solar power without placing expensive solar panels on their rooftops.

# Beaches Energy Services

## Rates

*Beaches Energy Services continues to meet its goal of keeping its rates below the state average.*

*FMPA's All Requirements Project members are highlighted in yellow*

\*1000kWH FMEA  
May published rates

\*\* Local taxes  
estimated at 6%.

\*\*\* FPL uses an  
inclining block rate  
over 1,000 kWh.

\*\*\*\* JEA has a 3%  
franchise fee and a  
10% public service  
tax.

Source: March 2020  
FMEA Published  
Rate Schedule

Location	1000 kWH Base Rate	1000 kWH Total *	Add Local Taxes & Fees	Adjusted Total with Taxes & Fees
Gulf Power **	\$104.30	\$136.92	\$16.92	\$153.84
Florida Public Utilities-NE **	57.58	132.17	17.82	149.99
Florida Public Utilities-NW **	57.58	132.17	17.82	149.99
Duke Energy **	95.83	126.50	15.64	142.14
Gainesville	93.13	125.13	12.51	137.64
Fort Meade	94.56	117.56	11.76	129.32
Ocala	102.51	116.51	11.65	128.16
Key West	143.90	126.94	0.00	126.94
Homestead	77.60	114.23	11.42	125.65
Blountstown	118.85	118.85	5.94	124.79
Alachua	102.54	113.29	11.33	124.62
Leesburg	102.94	112.94	11.29	124.23
St. Cloud	80.58	113.88	9.11	122.99
JEA ****	76.00	108.50	14.11	122.61
Bushnell	100.65	110.65	11.07	121.72
Tallahassee	81.20	110.59	11.06	121.65
Orlando	77.48	109.50	10.95	120.45
Moore Haven	83.30	108.40	10.84	119.24
Lake Worth	72.21	107.99	10.80	118.79
Quincy	98.41	118.51	0.00	118.51
State Average	89.24	108.22	9.68	117.90
Winter Park	83.22	100.30	16.65	116.95
Fort Pierce	116.84	105.84	10.58	116.42
Wauchula	95.65	105.65	10.57	116.22
New Smyrna Beach	82.10	104.78	9.69	114.47
Clewiston	93.20	103.63	10.36	113.99
Mount Dora	55.98	103.11	10.31	113.42
Tampa Electric **	67.76	94.78	17.18	111.96
Newberry	109.50	99.50	9.95	109.45
Bartow	59.40	99.40	9.94	109.34
Chattahoochee	95.10	109.20	0.00	109.20
Florida Power & Light ** ***	74.67	93.64	11.57	105.21
Kissimmee	133.27	94.48	7.56	102.04
Lakeland	64.77	91.77	9.18	100.95
Williston	89.84	94.84	4.74	99.58
Green Cove Springs	95.00	95.00	0.00	95.00
Havana	89.50	91.14	0.00	91.14
Beaches Energy	88.07	88.07	0.00	88.07
Starke	75.95	75.95	7.60	83.55

# Beaches Energy Services

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## Energy Efficiency and Conservation

- Electric conservation and informing customers on how to conserve has become an important part of our business. Beaches Energy Services is working on conservation, energy efficiency and renewable energy initiatives so that all programs are coordinated to achieve optimal results and benefits.
- Conservation tips can be found on Beaches Energy Services website at [www.beachesenergy.com](http://www.beachesenergy.com) and in the monthly Tidings newsletter.
- Energy saving rebates are offered for residential energy-efficient improvements. For more details about available rebates, visit our website at [www.beachesenergy.com](http://www.beachesenergy.com).
- Free energy audits are available to customers upon request. Our Energy Auditors provide specific suggestions customized to the homeowners' audit results. Alternatively, customers can perform an online self-energy audit by using the "My Energy Planner" tool accessible through the beaches energy website.

## Goals for FY2021

*Investments in infrastructure improvements are made to ensure the highest level of system reliability and customer service.*

- Maintain Residential Rate for 1,000 kWh below the State Average.
- Maintain an average outage time of 50% less than the average annual survey results for participating FMPA cities.
- Complete all facility improvements listed in the Capital Improvement Plan and the remaining projects from the past two years.
- Maintain current energy losses of 4% or better.
- Attain a zero employee loss time accident rate by continuing to promote a culture of safety and training.
- Improve substation and relay maintenance as well as improve the overall planning for substation/relay renewal and replacements.

# Beaches Energy Services

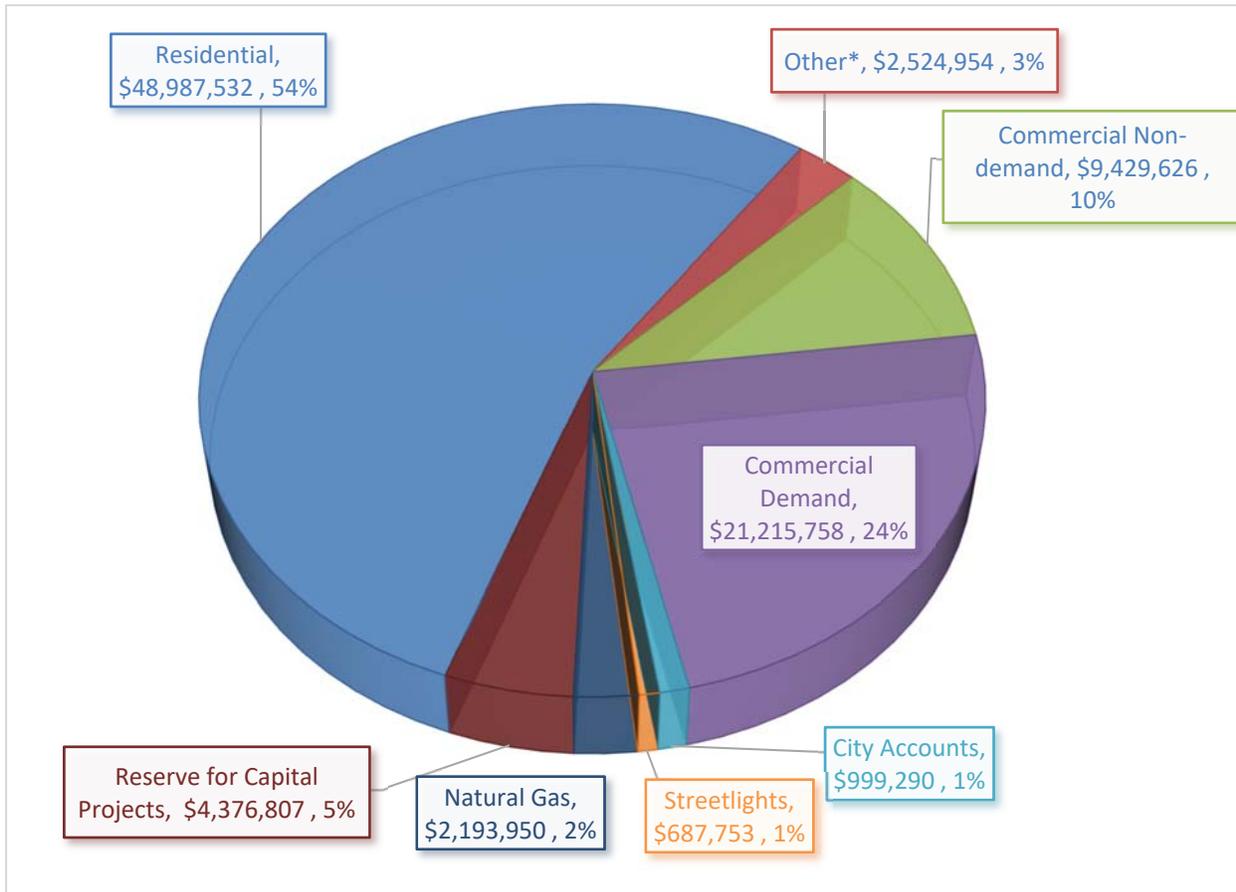
## Performance Measures

	Actual FY2018	Actual FY2019	FYTD 3/31/20	Target FY2021
<b>COST</b>				
Residential rates for 1000 kWh below the State average	Yes	Yes	Yes	Yes
Retail customers per employee* Reported on a <b>calendar year</b> .	491	471	491	477
Employee lost time accidents	3	3	1	0
<b>SERVICE</b>				
Provide 350 customer energy audits	763	528	154	350
Provide 950 surge protection devices	1,030	1,075	1,083	950
Energy Conservation Program: Rebates Issued Dollar Amount	1,018 \$277,927	904 \$258,097	359 \$97,761	500 \$200,000
<b>RELIABILITY</b>				
Annual average outage time per customer. Reported on a <b>calendar year</b> .	25.51	40.48	8.02	Less than 50% of FMPA Average
Apprentices in Training	7	7	6	Progress in program
Budgeted facility improvements completed for projects.	Yes	Yes	Yes	Yes

\* American Public Power Association (APPA) Annual Statistical Report for 2016-2017; median is 324 Retail Customers per Employee.

# Beaches Energy Services

**Funding Sources:** Total projected revenue for FY2021 is \$90,415,669.



\*Other includes internal service charges for meter reading, interest, primary fees, and streetlight maintenance charges.

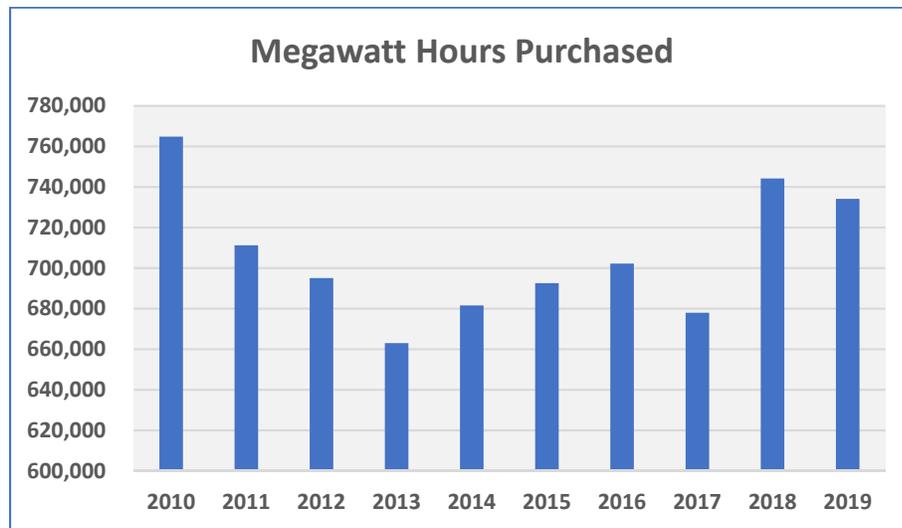
## Financial Summary

Resource Allocation	Actual 2019	Original Budget 2020	Proposed Budget 2021	Increase -Decrease	% Change
Personal Services	\$7,179,927	\$7,386,327	\$7,811,615	\$425,288	5.8%
Purchased Power	\$56,390,521	\$60,502,600	\$59,912,920	-\$589,680	-1.0%
Operating	\$7,847,033	\$9,357,399	\$9,467,509	\$110,110	1.2%
Capital Outlay	\$7,349,608	\$6,976,000	\$7,485,000	\$509,000	7.3%
Debt Service	\$2,565,949	\$2,615,206	\$1,301,677	-\$1,313,529	-50.2%
Transfers	\$4,105,218	\$4,182,417	\$4,100,654	-\$81,764	-2.0%
<b>TOTAL</b>	<b>\$85,438,255</b>	<b>\$91,019,949</b>	<b>\$90,079,375</b>	<b>-\$940,574</b>	<b>-1.0%</b>

# Beaches Energy Services

## Budget Issues

### Florida Municipal Power Agency and the Cost of Power



*Clean, efficient natural gas is the key cost driver of Beaches Energy's purchase of power. In addition to weather conditions and system growth, energy consumption overall is down due to more energy-efficient appliances and conservation measures.*

Florida Municipal Power Agency (FMPA) is a wholesale power agency owned by municipal electric utilities. FMPA provides economies of scale in power generation and related services to support community-owned electric utilities. The City of Jacksonville Beach joined the FMPA on May 1, 1986 and is one of the 13 all-requirements members. Current long-range load projection studies indicate FMPA has adequate generation resources for the next 7 years.

Providing reliable electric services is a continuous activity that requires long-term vision. Future governmental regulations regarding CO<sub>2</sub> and mercury could have a major impact on deciding future power supply options. This national trend coupled with uncertainty at the federal level regarding natural gas hydraulic fracking has resulted in many electric utilities delaying decisions on capital expenditures for generation resources. The shale revolution is what has driven natural gas prices down over the past decade. The Energy Information Administration (EIA) projects that domestic natural gas production will likely result in the forecast Henry Hub natural gas spot price to fall from \$2.57/MBtu in 2019 to approximately \$1.865/MBtu in 2020 due to production outpacing demand. The price of natural gas and regulatory compliance will drive future costs for Beaches Energy.

Beaches Energy Services is doing everything possible to keep our electric rates below the state average and provide reliable, excellent service to our customers. Conservation and energy efficiency programs have been very successful and continue to benefit customers. We will continue monitoring these programs and investigate new measures that provide value to our customers.

# Beaches Energy Services

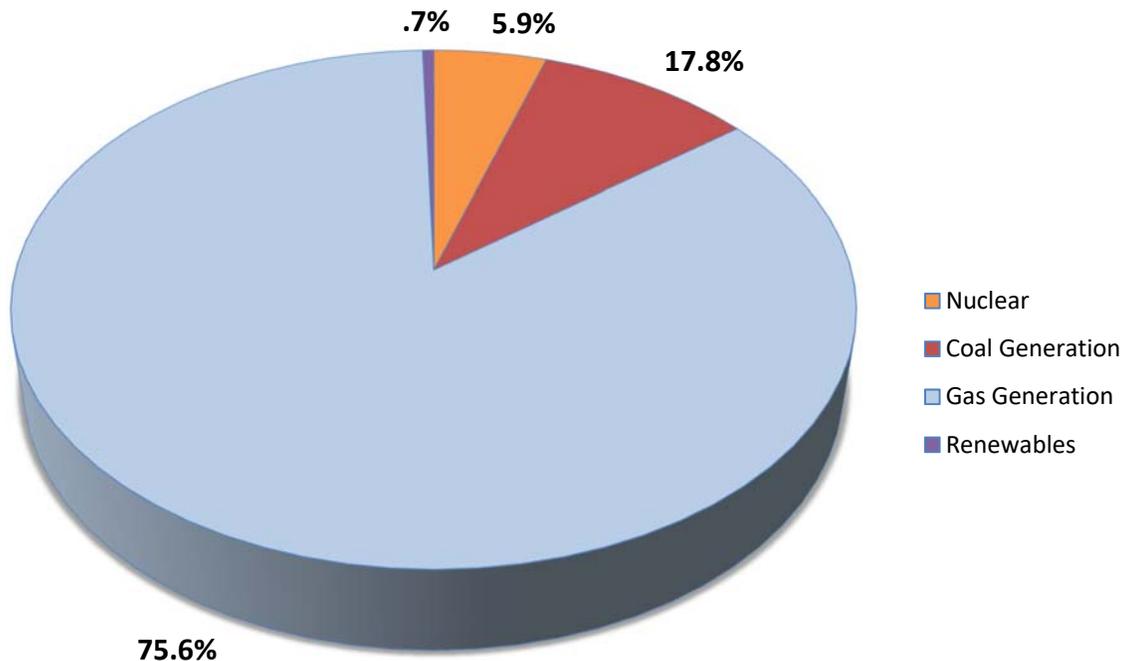
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## Budget Issues (continued)

Additionally, we are constantly pushing for change at the Florida Municipal Power Agency to update the strategic plan to focus on the following priorities.

- Paying off all of the All-Requirements Project debt in 20 years or less.
- Replacing the all-requirements model with a project based model that also utilizes purchase power agreements and strategic alliances to build and operate generation facilities.
- Preparing the Agency for the future by limiting the amount of new generation built and relying on distributed generation resources when cost effective, utilizing community solar to delay or lessen the need for securing generation assets, and ensuring that risky long-term natural gas hedging and interest rate swaps activities are no longer employed.

**FMPA All Requirements Project (ARP)  
Total Resources Fuel Mix  
Calendar 2019**



# Beaches Energy Services

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## Regulatory Issues

### Reliability Standards

Beaches Energy Services has undergone dramatic regulatory changes that continue to evolve. Regulatory mandates to improve the reliability of the bulk power system are placing more requirements on our resources. NERC (North American Electric Reliability Corporation) and FRCC (Florida Reliability Coordinating Council) work in concert for the purpose of proposing and enforcing reliability standards that influence the operations of transmission providers in Florida. Beaches Energy Services is solely responsible for 42 different NERC reliability standards but also has to review new and revised standards constantly to ensure that we are compliant. During the past years, 74 different standards were reviewed.

### Transmission

As a transmission owner, Beaches Energy Services is obligated to comply with these standards or be subject to financial penalties. In order to achieve zero-defect compliance to NERC and FRCC reliability standards, Beaches Energy Services must develop a comprehensive process that will continually monitor industry developments and implement cost effective measures responding to actions required by regulatory agencies.

### Critical Infrastructure Protection

Beginning July 1, 2016, Beaches Energy Services became responsible for operating its transmission system under the more rigid standards of Critical Infrastructure Protection (CIP) Version 5. This new version has changed the overall philosophy of previous standards in its approach and measurement. Cybersecurity assets must be identified and aligned with the specific risks – threats, vulnerabilities and tolerances of each organization. The framework includes 11 standards required to support reliable operation of the Bulk Electric System.

### Regulatory Requirements and Transmission Operations

In order to mitigate the impact of Critical Infrastructure Protection Version 5 (CIP5), Beaches Energy Services has entered into a partnership with the Orlando Utilities Commission (OUC) and Kissimmee Utility Authority (KUA) that allows OUC to provide Transmission Operations and Contingency Analysis Services for Beaches Energy Services.

### Modernizing Electric System Infrastructure

Ensuring the reliability and security of electric service to our customers is essential to Beaches Energy Services operations. A field inventory of assets has been completed that provides an accurate assessment of age, condition, and configuration of the existing distribution system. Programs have been developed to systematically address maintenance and underground cable replacement. These programs provided the details and processes required to address our aging infrastructure and improve service reliability. The main focus over the next two (2) to four years (4) will be our transmission lines and substation equipment.

# Beaches Energy Services

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## Natural Gas

Beaches Energy Services owns the natural gas distribution system within Beaches Energy Services' territory with the exception of a small system located along Atlantic Boulevard operated by Peoples Gas Company. The system is primarily for commercial customers along the main gas line route. It was designed to provide approximately 3,000,000 therms annually to our customers. During calendar year 2019, 307 customers purchased 2,185,590 therms.

Natural gas service began in June 2010 and customers will continue to be connected as the system expands. Beaches Energy Services has contracted with Tampa Electric Company (TECO) to provide engineering design, construction management, operations and maintenance of the natural gas system. Tampa Electric Company (TECO) currently has contracts to provide natural gas management services for Beaches Energy Services. These agreements have a 5-year term with an option to renew. The contract was previously renewed in early 2015 and is in the process of being evaluated this fiscal year. At this time, we are planning on recommending a different structure that provides additional value to Beaches Energy Services and its customers.

## Natural Gas Financial Summary

Resource Allocation	Actual 2019	Original Budget 2020	Proposed Budget 2021	Increase -Decrease	% Change
Personal Services	\$0	\$0	\$0	\$0	-
Purchased Gas	\$1,125,906	\$1,263,893	\$1,137,242	-\$126,651	-10.0%
Operating	\$312,827	\$340,618	\$342,068	\$1,450	0.4%
Capital Outlay	\$440,117	\$140,000	\$140,000	\$0	0.0%
Transfers	\$274,047	\$283,118	\$282,304	-\$814	-0.3%
<b>TOTAL</b>	<b>\$2,152,897</b>	<b>\$2,027,629</b>	<b>\$1,901,614</b>	<b>-\$126,014</b>	<b>-6.2%</b>

## Budget Issues

- Infrastructure to support the addition of customers in FY2021, including service lines, main extensions, and meter sets, is budgeted in capital outlay (\$140,000).

# Beaches Energy Services

## 2019 DATA FOR FLORIDA & OTHER FGT SERVED PUBLIC GAS SYSTEMS

FL Public Gas System Name	Customers as of 12/31/19	2019 System Throughput (DTh)
Blountstown, City of	528	40,793
Century, Town of	548	47,503
Chattahoochee, City of	411	45,100
Chipley Gas Department	558	35,100
Clearwater Gas System	26,946	2,582,134
Crescent City Natural Gas	1,390	31,183
DeFuniak Springs Natural Gas	1,110	107,937
Fort Pierce Utilities Authority	4,117	474,461
Gainesville Regional Utilities	35,814	2,107,753
Gulf Breeze, City of	4,515	190,633
<b>Beaches Energy Services</b>	<b>311</b>	<b>208,339</b>
Havana Gas System	426	21,514
Jasper Municipal Utilities	273	48,754
Jay Utilities	265	20,947
Lake Apopka Natural Gas District	24,493	2,065,926
Lake City Regional Utilities	2,120	521,096
Leesburg, City of	12,818	876,401
Live Oak, City of	882	95,271
Madison, City of	814	124,111
Marianna, City of	1,292	184,784
Milton Natural Gas System	4,338	302,431
Okaloosa Gas District	46,399	3,864,178
Palatka Gas Authority	3,783	148,145
Pensacola Energy	44,143	4,119,109
Perry Gas Division	1,495	119,508
Quincy, City of	1,790	138,783
Reedy Creek Improvement District	193	1,963,360
Starke Natural Gas Department	667	50,009
Sunrise Gas System	9,255	599,612
Tallahassee Gas Utility Department	32,690	3,237,526
Williston, City of	543	28,634

\* Data provided by the Florida Natural Gas Association

\*\* Dekatherm (equals 1,000,000 Btu)

**Capital Outlay Detail by Department  
Fiscal Year 2021**

	Land, Buildings & Improvements	Equipment	Vehicles	Computer Equipment	Total
<b>Beaches Energy Services</b>					
<b>Engineering</b>					
Replace one GMC Sierra (2005-#207)			35,000		35,000
BES / City Communication Infrastructure	400,000				400,000
<b>Relay &amp; Substation Distribution</b>					
Replace one Chevy 2500 4x4 (2011-#241)			40,000		40,000
Transmission differential protective relay upgrade	200,000				200,000
Substation 26KV breaker & relay upgrades	636,000				636,000
Substation capacitor bank relay upgrades	100,000				100,000
Motor switch replacement	380,000				380,000
<b>Construction &amp; Maintenance</b>					
Replace one INT Dura Star 4300 bucket truck (2010-#230)			285,000		285,000
Replace one 40ft SM bucket truck 4x4 (2011-#273)			200,000		200,000
<b>Capital Improvements</b>					
Projects for system growth/maintenance	1,250,000				1,250,000
Major replacement & storm hardening projects	2,389,000				2,389,000
<b>System Operations</b>					
Outage management system	150,000				150,000
Regulatory Cyber & Physical Security	100,000				100,000
<b>Transmission</b>					
Substation 230kV and 138kV circuit breaker upgrades	385,000				385,000
Disturbance monitoring and reporting	150,000				150,000
Transmission line hardware renew/replace	550,000				550,000
<b>Regulatory Compliance</b>					
Cyber physical security	20,000				20,000
<b>Total Electric Fund</b>	<b>6,710,000</b>	<b>-</b>	<b>560,000</b>	<b>-</b>	<b>7,270,000</b>
<b>Natural Gas</b>					
Natural Gas Distribution System	140,000				140,000
<b>Meter Services</b>					
Replace one Chevy 4x4 pickup (2011-#227)			35,000		35,000
Replace one 1/2 ton pickup (2011-#288)			40,000		40,000
<b>Total Beaches Energy Services</b>	<b>\$ 6,850,000</b>	<b>\$ -</b>	<b>\$ 635,000</b>	<b>\$ -</b>	<b>\$ 7,485,000</b>