## Gainesville Regional Utilities

Presentation to Standard and Poor's November 5, 2015

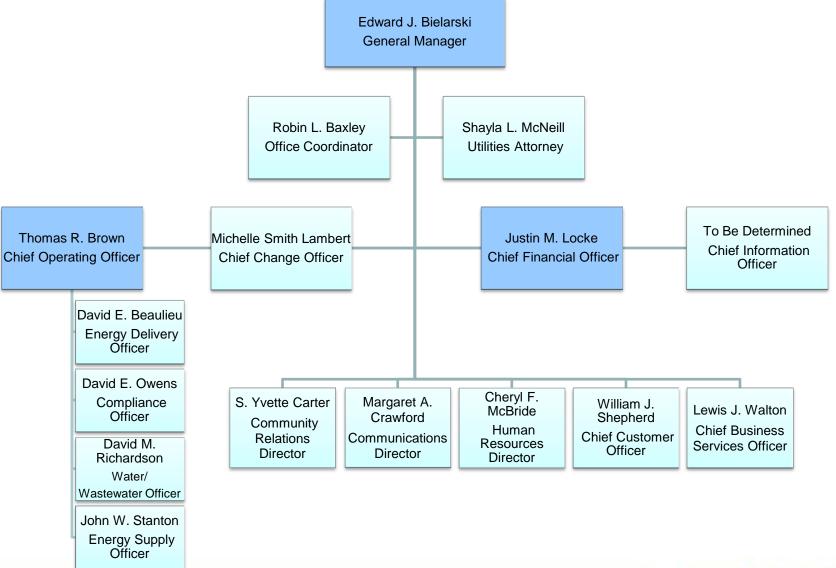


### Overview

- Management Team
- Policy Updates
- Financial Strength
- Financial Metrics



### The Management Team has Extensive GRU and Utility Experience





### System Highlights

#### **Electric System**

- The electric facilities of the System currently service approximately 124.5 square miles of the County, and approximately 76% of the population of the County, including the entire City (except of the University of Florida campus)
- Owner of various generation, transmission and distribution facilities
- Of the 94,473 customers in the fiscal year ending September 30, 2015, 10,677 commercial and industrial customers provided approximately 53% of revenues
- FY15 Fuel mix: Coal (37%), Biomass (23%), Natural Gas (28%), Other (12%)
- Fuel and power risk management via The Energy Authority
- Stable customer base
- Generation portfolio includes significant renewable energy

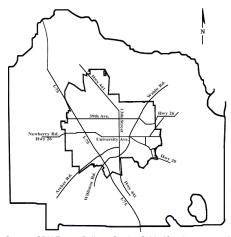
#### Water System

- 1,139 miles of water transmission and distribution lines throughout the Gainesville urban area
- Water treatment plant (1976 COD) with capacity of 54 million gallons per day ("Mgd")

#### Wastewater System

- 631 miles of gravity sewer collection system, 165 pump stations with 139 miles of associated force main
- 2 major wastewater (1977 and 1930 COD) treatment plants totaling 22.4 Mgd annual average daily flow of capacity

#### Service Area



Source: GRU Energy Delivery Service Guide (October 22, 2014)

#### Natural Gas System

- Acquired from the Gainesville Gas Company in 1990 to provide gas distribution throughout the City
- Underground gas distribution and service lines, six points of delivery or interconnections with Florida Gas Transmission Company, and metering and measuring equipment



# Policy Updates City Commission Initiatives

### Governance

- City Commission is on the first reading of an ordinance creating a stronger advisory board
- Talks continue on support of Keith Perry's legislation placing a referendum before Gainesville voters for an independent board
- Possibility exists for City referendum for an independent board



### Increasing Revenue by Optimizing System Capacity

- Developing new template for wholesale power contracts
- Leveraging relationships with long time customers
  - City of Alachua
  - University of Florida
- Completion of South Energy Center Expansion



## Reducing Expenses through Contract Enforcement with GREC

- Benefit from GREC shutdown to purchase lower power prices off grid and operate fleet at optimal levels
- Lower availability payments to GREC based on application of ramp-up schedules
- Pursuing arbitration on use of dollars/euro index as construction cost adjuster



## Electric System Generating Facilities

	Unit No.	Primary Fuel	Alternative Fuel	Net Summer Capability (MW)
J.R. Kelly Station				
	Steam Unit 8	Waste Heat	_	37.00
	Combustion Turbine 4	Natural Gas	Distillate Fuel Oil	75.00
Deerhaven Generating Station				
Deerhaven Generating Station	Steam Unit 2	Bituminous Coal	_	232.00
	Steam Unit 1	Natural Gas	Residual Fuel Oil	75.00
Owned	Combustion Turbine 3	Natural Gas	Distillate Fuel Oil	75.00
	Combustion Turbine 2	Natural Gas	Distillate Fuel Oil	17.50
WEST TO A STORY OF THE PARTY OF	Combustion Turbine 1	Natural Gas	Distillate Fuel Oil	17.50
South Energy Center				
	SEC-1	Natural Gas	_	3.50
			Owned Total	532.50

	Gainesville Renewable Energy Center				
PPA		GREC Base Landfill	Biomass Landfill Gas	— Total Dispatchable	102.50 <b>635.00</b> 3.00
				Grand Total	638.00



# Residential Electric Customer 1,000 kWh Bill Change

#### **Approved FY15 Budget**

	Percentage Base Rate Revenue Increase	Percentage Fuel Adjustment Increase	Total Bill Increase	
2015	-8 <u>.50</u> %	1 <u>3.04</u> %	0.97%	Approved
2016	3.50%	3.85%	3.70%	Projected
2017	3.00%	2.47%	2.70%	
2018	0.00%	1.20%	0.70%	
2019	0.00%	1.19%	0.70%	
2020	0.00%	0.00%	0.00%	
		Approved FY16 Bu	ıdget	
	Percentage Base Rate	Percentage Fuel		
	Revenue Increase	Adjustment Increase	Total Bill Increase	
2016	0.00%	0.00%	(0.9)%	Restructured Residential Rates
2017	2.00%	2.56%	2.3%	Projected
		2.50%	2.3%	
2018	1.75%	2.30%	2.3 /0	
2018 2019	1.75% 0.50%	0.00%	0.9%	



## Total Residential Bill Projected Change

### **Approved FY15 Budget**

	2015	2016	2017	2018	2019	2020
Electric	\$1.35	\$5.30	\$3.90	\$2.00	\$2.00	\$2.00
Gas	\$2.36	\$0.99	\$2.38	\$0.74	\$0.49	\$0.99
Water	\$0.50	\$0.80	\$0.00	\$0.00	\$0.00	\$0.00
Wastewater	\$1.95	<b></b> \$ <del>2.3</del> 5	\$2.35	\$0.00	\$0.00	\$0.00
Total	\$6.16	\$9.44	\$8.63	\$2.74	\$2.49	\$2.99
		Approve	ed FY16 E	Budget		
	2015	2016	2017	2018	2019	2020
Electric	\$1.35	\$(1.25)	\$3.22	\$3.25	\$1.27	\$1.30
Gas	\$2.36	\$0.95	\$0.00	\$0.25	\$0.00	\$0.00
Water	\$0.50	\$2.80	\$2.05	\$0.80	\$0.00	\$0.00
Wastewater _	\$1.95	\$1.35	\$2.10	\$0.90	\$0.00	\$0.00
Total	\$6.16	\$3.85	\$7.37	\$5.20	\$1.27	\$1.30



### FINANCIAL METRICS

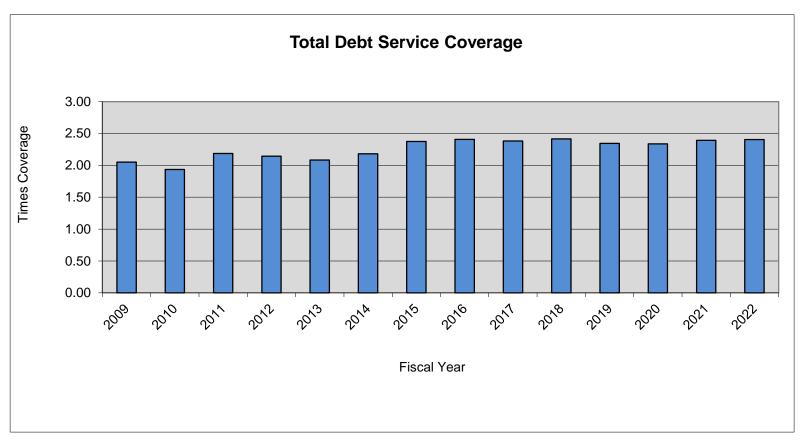


### Five Year Flow of Funds

		2016		2017		2018		2019		2020
Total Revenue	œ.	407,577,523	¢	427,838,856	Ф	427 F16 202	Ф	120 674 224	<b>c</b>	445,242,432
Total O&M Expenses	•	271,987,584	•	287,794,341	-	437,516,202 296,248,902		438,674,334 297,437,447		304,396,234
Net Revenues		135,589,939		140,044,515		141,267,300		141,236,887		140,846,198
Uses of Net Revenues										
Debt Service Less BABS	\$	56,355,741	\$	58,829,759	\$	58,520,255	\$	60,277,216	\$	60,249,155
UPIF used to pay DS	\$	-	\$	-	\$	-	\$	-	\$	-
UPIF	\$	43,778,139	\$	45,204,895	\$	46,175,074	\$	43,817,159	\$	42,875,432
General Fund Transfer	\$	35,456,059	\$	36,009,861	\$	36,571,971	\$	37,142,512	\$	37,721,611
Working Capital Reserve	\$	-	\$	-	\$	-	\$	-	\$	
<b>Total Uses of Net Revenues</b>	\$ '	135,589,939	\$	140,044,515	\$	141,267,300	\$	141,236,887	\$	140,846,198
Net Revenue/(Deficit)	\$	-	\$	-	\$	-	\$	-	\$	
Debt Service Coverage		2.41		2.38	3	2.41		2.34	1	2.34



# Debt Service Coverage Continuing to Improve Coverage Ratios



Note: 2015 Forward Projected



# Financial Risk Management Developing Cash Liquidity Targets

	Electric	Gas		Water		Wastewater	GRUCom	Liquidity Targets		
Revenue at Risk <sup>1</sup>	\$ 9,614,370	\$ 1,163,844	\$	2,484,394	\$	2,489,614	\$ 554,037	\$	16,306,258	
60 Days Fixed Non-Fuel O&M <sup>2</sup>	\$ 23,189,869	\$ 2,558,211	\$	5,430,293	\$	6,745,208	\$ 1,670,559	\$	39,594,140	
Uninsured Property Exposure <sup>3</sup>	\$ 6,732,902	\$ 1,265,715	\$	3,593,977	\$	3,290,295	\$ 1,428,876	\$	16,311,766	
Construction Risk <sup>4</sup>	\$ 2,671,635	\$ 293,706	\$	560,557	\$	859,037	\$ 296,385	\$	4,681,321	
Total	\$ 42,208,775	\$ 5,281,476	\$	12,069,222	\$	13,384,155	\$ 3,949,856	\$	76,893,484	

- 1. Cash Flow at Risk at a 97.5 % Confidence Level or only a 2.5% change that the sales shortfalls will be greater than the reserved amount
- 2. Sixty days of average non-fuel operating expenses
- 3. A percentage of the value of self insured distributed assets plus the deductible applicable to insured assets
- 4. Five percent of expected annual capital expenses



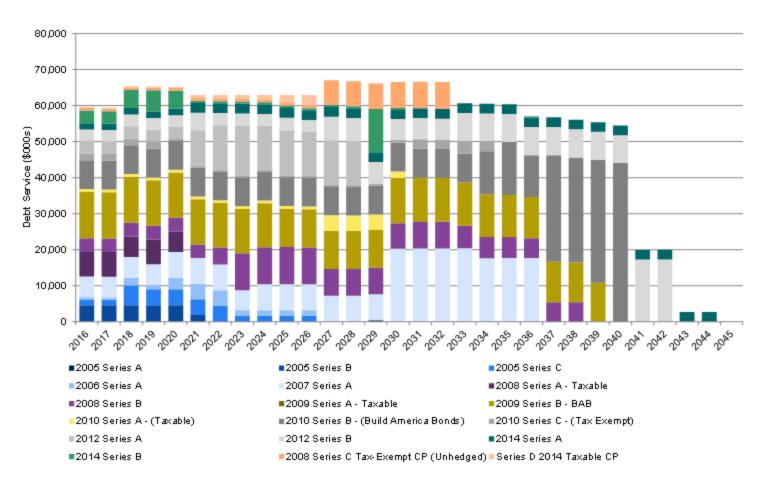
## Financial Risk Management

### Strong Liquidity Position Exceeding Cash Liquidity Targets

Fiscal Years	2016	2017	2018	2020		
Liquidity Targets:	\$ 76,893,484	\$ 78,597,131	\$ 80,286,018	\$ 81,113,637	\$ 82,718,260	
Source of Funds:						
Rate Stabilization	\$ 72,250,424	\$ 69,823,766	\$ 71,323,204	\$ 75,497,346	\$ 77,999,326	
UPIF for Reserves	\$ 20,993,086	\$ 20,689,498	\$ 21,037,284	\$ 21,573,741	\$ 22,217,327	
Working Capital	\$ 18,735,157	\$ 18,735,157	\$ 18,735,157	\$ 18,735,157	\$ 18,735,157	
Total Reserves	\$ 111,978,667	\$ 109,248,421	\$ 111,095,645	\$ 115,806,244	\$ 118,951,810	
TECP/TCP Lines	\$ 50,500,000	\$ 56,100,000	\$ 62,000,000	\$ 62,000,000	\$ 62,000,000	
Total Liquidity & Lines	\$ 162,478,667	\$ 165,348,421	\$ 173,095,645	\$ 177,806,244	\$ 180,951,810	
Over (Under) Relative to Target	\$ 85,585,183	\$ 86,751,290	\$ 92,809,627	\$ 96,692,607	\$ 98,233,550	



## Debt Management Current Debt Service Structure



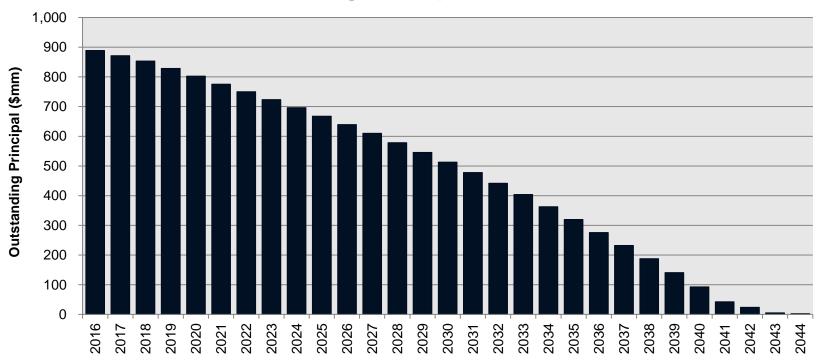
Includes Commercial Paper and is not net of Build America Bonds Subsidy



## Debt Management Principal Balance Declines Steadily

 Roughly 28% of outstanding principal amortizes in the next 10 years (2016-2025), with an additional 40% amortizing the following 10 years (2026-2035).

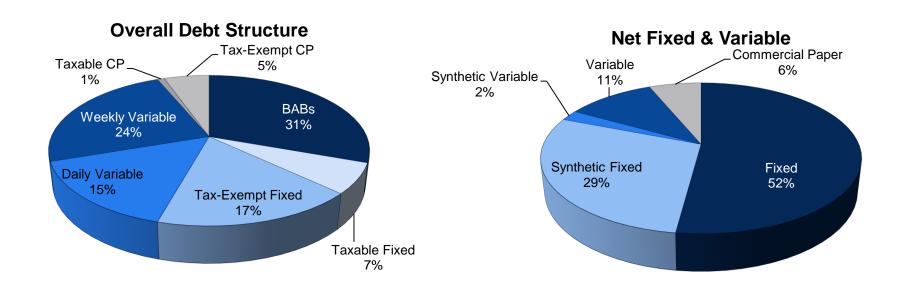
### **Declining Principal Balance**





### Debt Management

- GRU's overall debt structure remains rooted in a majority of fixed rate bonds
- Fixed and synthetically fixed bonds account for 81% of total debt
- Unhedged variable rate debt is less than invested balances—no net exposure





### Credit Facility Replacements

Expiring Facilities												
Remarketing Series Series Type Facility Term Date Fee Agent Par (000) Type												
Series	Series Type	Facility	Term Date	ree	Agent	Par (000)	Type					
2005 C	Daily VRDO	Union Bank	12/21/2015	40 bps	JP Morgan	27,565	SBPA					
2006 A	Daily VRDO	Union Bank	12/21/2015	40 bps	Goldman	18,410	SBPA					
Series C CP (Tax Exempt - Hedged)	Tax-Exempt CP	BLB	11/30/2015	16 bps	Goldman	11,500	LOC					
Series C CP (Tax Exempt – Un-Hedged)	Tax-Exempt CP	BLB	11/30/2015	16 bps	Goldman	40,000	LOC					

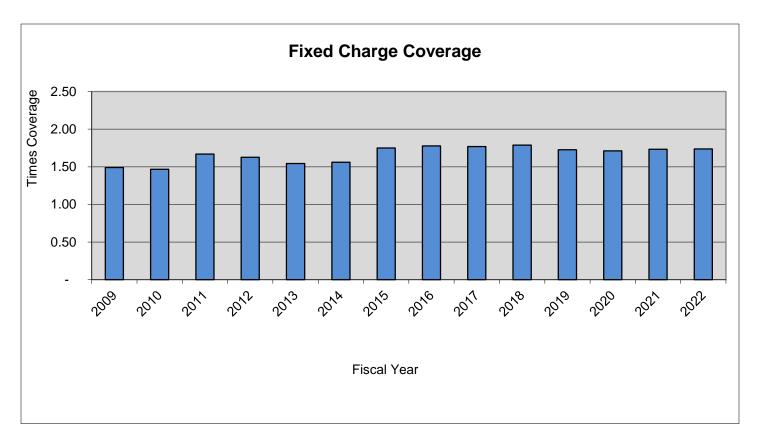
	Replacement Facilities												
Remarketing Series Series Type Facility Term Date Fee Agent Par (000)													
2005 C	Daily VRDO	Helaba	12/31/2020	29 bps	JP Morgan	27,565	Type SBPA						
2006 A	Daily VRDO	Helaba	12/31/2020	29 bps	Goldman	18,410	SBPA						
Series C CP (Tax Exempt - Hedged)	Tax-Exempt CP	Bank of America	11/30/2018	40 bps	Goldman	11,500	LOC						
Series C CP (Tax Exempt – Un-Hedged)	Tax-Exempt CP	Bank of America	11/30/2018	40 bps	Goldman	40,000	LOC						



# SUPPLEMENTAL INFORMATION

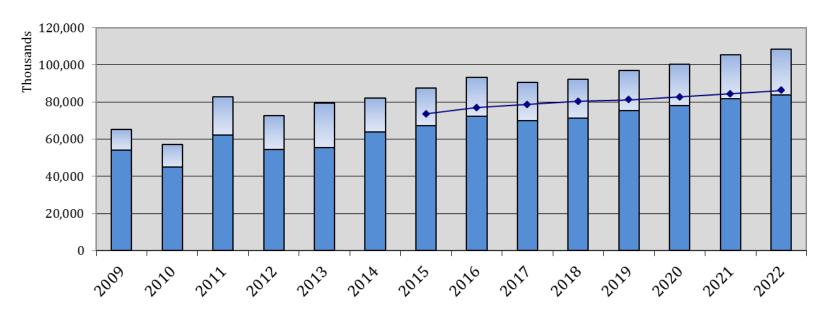


# Fixed Charge Coverage Improving Historical Ratios





# System Reserves (Unrestricted) Providing Flexibility to Address Uncertainty





Rate Stabilization Fund Utility Plant Improvement Fund (for Reserves)

→ Total Reserves Required



# Financial Risk Management Continued Equity Funding of Capital Program

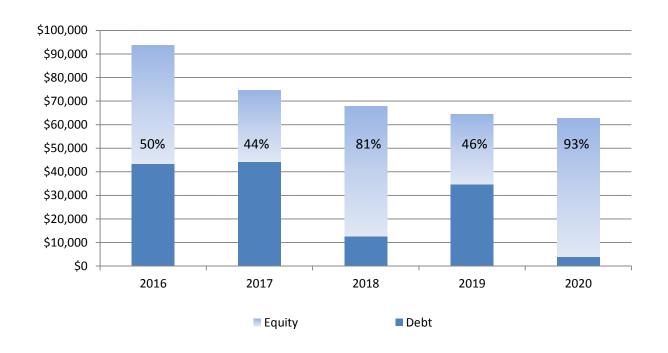
#### SUMMARY OF CAPITAL IMPROVEMENT PROGRAM - SOURCES AND USES

	 2016	2017	2018	2019	2020	2021	Total
Cash Balance October 1,	\$ 43,905,007	\$ 531,519	\$ 14,667,333	\$ 2,070,349	\$ 5,168,029	\$ 1,144,185	
Source of Funds:							
Bond Financing	\$ -	\$ 59,250,000	\$ -	\$ 38,500,000	\$ -	\$ 70,600,000	\$ 168,350,000
Revenues	\$ 50,250,000	\$ 30,250,000	\$ 55,250,000	\$ 29,750,000	\$ 58,650,000	\$ 17,250,000	\$ 241,400,000
Interest Earnings	\$ 10,422	\$ 326,052	\$ 42,583	\$ 122,134	\$ 23,534	\$ 283,079	\$ 807,804
Total Sources	\$ 50,260,422	\$ 89,826,052	\$ 55,292,583	\$ 68,372,134	\$ 58,673,534	\$ 88,133,079	\$ 410,557,804
Use of Funds: Construction Projects:							
Electric	\$ 53,432,703	\$ 35,616,885	\$ 28,927,855	\$ 30,420,848	\$ 30,779,039	\$ 29,028,709	\$ 208,206,039
Gas	\$ 5,869,122	\$ 5,736,418	\$ 5,387,127	\$ 5,575,948	\$ 5,546,998	\$ 5,921,498	\$ 34,037,111
Water	\$ 11,223,645	\$ 11,335,674	\$ 10,946,462	\$ 9,086,578	\$ 9,119,092	\$ 14,304,074	\$ 66,015,525
Wastewater	\$ 17,180,748	\$ 15,908,996	\$ 16,917,662	\$ 14,632,783	\$ 12,321,052	\$ 20,507,563	\$ 97,468,804
GRUCom	\$ 5,927,692	\$ 5,907,265	\$ 5,710,461	\$ 4,788,297	\$ 4,931,196	\$ 5,078,382	\$ 32,343,293
Total Construction	\$ 93,633,910	\$ 74,505,238	\$ 67,889,567	\$ 64,504,454	\$ 62,697,377	\$ 74,840,226	\$ 438,070,772
Issuance Costs	\$ -	\$ 1,185,000	\$ -	\$ 770,000	\$ -	\$ 1,412,000	\$ 
Total Uses	\$ 93,633,910	\$ 75,690,238	\$ 67,889,567	\$ 65,274,454	\$ 62,697,377	\$ 76,252,226	\$ 438,070,772
Cash Balance September 30,	\$ 531,519	\$ 14,667,333	\$ 2,070,349	\$ 5,168,029	\$ 1,144,185	\$ 13,025,039	\$ 1,723,398



## Debt vs. Equity: Funding Capital

## Continuing to Fund Capital Expenditures with Internally Generated Funds



\*Reviewing forecast for next five years with a goal of 50/50 or better



### **Debt Management**

### GRU Has Strong Counterparties and Very Favorable Bank Lines

SWAP Agreements												
Series	Through	GRU Pa	ays		GRU Receives	Counterparty						
2005 Series B	10/1/2021	Floating	SIFMA	Fixed	77.14% of 1 Mo Libor	Goldman						
2005 Series C	10/1/2026	Fixed	3.20%	Floating	60.36% of 10Y LIBOR	JP Morgan						
2006 Series A	10/1/2026	Fixed	3.224%	Floating	68% of 10Y LIBOR less 0.365%	Goldman						
2007 Series A	10/1/2036	Fixed	3.944%	Floating	SIFMA	Goldman						
2008 Series B	10/1/2038	Fixed	4.229%	Floating	SIFMA	JP Morgan						
2008 Series C Tax-Exempt CP (Hedged)	10/1/2017	Fixed	4.10%	Floating	SIFMA	Bank of America						

Liquidity Facilities									
Series	Series Type	Facility	Term Date	Fee	Remarketing Agent	Par (000)	Comments		
2005 B	Taxable		Swapped to	VR (SIFMA	4)	24,485	No liquidity required		
2005 C*	Daily VRDO	Union	12/21/2015	40 bps	JP Morgan	27,565	SBPA		
2006 A*	Daily VRDO	Union	12/21/2015	40 bps	Goldman	18,410	SBPA		
2007 A	Weekly VRDO	State Street	3/1/2018	39 bps	JP Morgan	137,240	SBPA		
2008 B	Weekly VRDO	BMO	7/7/2017	27.5 bps	Goldman	90,000	SBPA		
Series C CP (Tax-Exempt - Hedged)*	Tax-Exempt CP	BLB	11/30/2015	16 bps	Goldman	11,500	LOC		
Series C CP (Tax-Exempt - Unhedged*	Tax-Exempt CP	BLB	11/30/2015	16 bps	Goldman	40,000	LOC		
2012 B	Weekly VRDO	Sumitomo	1/12/2018	33 bps	JP Morgan	100,470	SBPA		
Series D CP (Taxable)	Taxable CP	State Street	8/28/2017	33 bps	Goldman	8,000	LOC		

Pending replacement by Helaba at 29 bps for 5 years

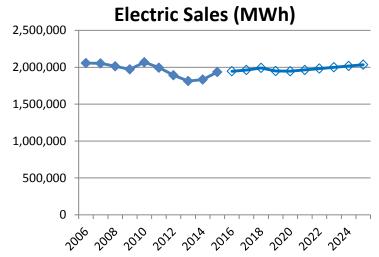
Pending replacement by Bank of America

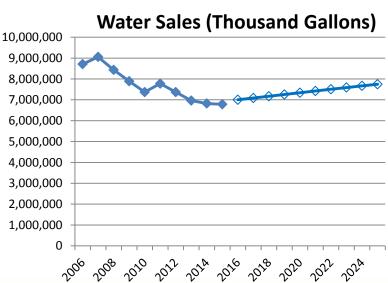
*Renew al / replacement discussions ongoing							
Liquidity Provider Credit Ratings							
	Short Term	Long Term					
Counterparty	(Moody's/S&P/	(Moody's/S					
	Fitch)	&P/Fitch)					
Bank of America	P-1/A-1/F1+	A3/A/A					
ВМО	P-1/A-1/F1+	Aa3/A+/AA-					
Bayerische Landesbank	P-2/NR/F1	A3/NR/A-					
Helaba	P-1/A-1/F1+	A1/A/A+					
State Street	P-1/A-1+/F1+	A1/AA-/AA					
Sumitomo	P-1/A-1/F1	A1/A/A-					
Union Bank	P1/A-1/F1	A2/A+/A					

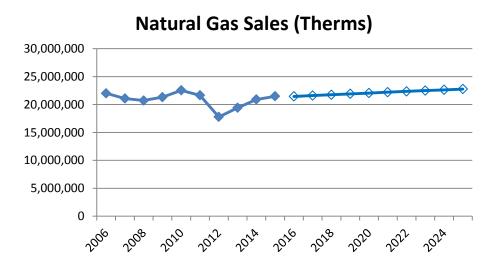
- GRU's credit strength continues to attract quality counterparties for new or replacement credit facilities
- Renewed/ replaced several facilities in 2014
- Replacement of Union Bank and BLB facilities will be last until 2017
- With one exception (BLB), GRU's credit counterparties have ratings that allow for 2(a)7 money Market eligibility
  - Extremely low fee associated with BLB (16 basis points) made a replacement facility uneconomical even when factoring a BLB trade differential
  - BLB will be replaced by Bank of America



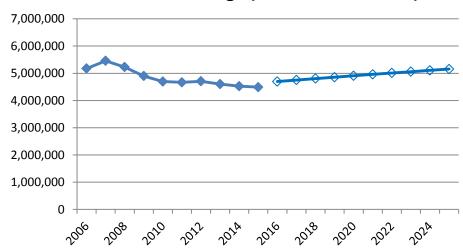
### Sales History and 2015 Forecast







#### **Wastewater Billings (Thousand Gallons)**



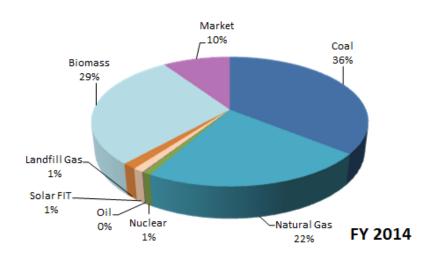


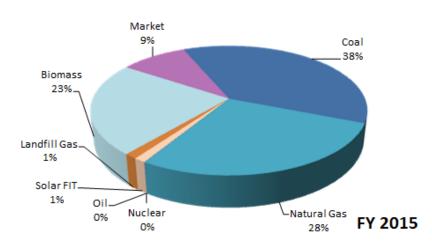
### **GREC** Update

### GREC

- Successfully integrated into generation mix/dispatch
- Audit of administration of contract completed as cooperative effort between Fuels Management and City Auditor's office and analysis is ongoing

### Percent of MWhs for Net Energy for Load

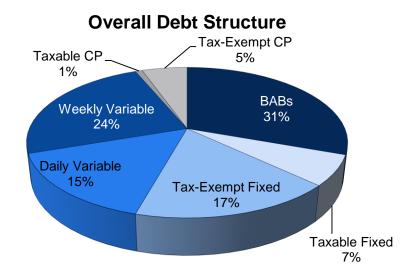






## Debt Management Low-Cost Fixed and Prudent Variable

 GRU's overall debt structure remains rooted in a majority of fixed rate bonds





## A Highly Rated Diverse System with a Stable Customer Base

Customer Category	Number of Customers	FY2015 Sales Revenues (\$000)ª	Percent of Total Revenue	Historical Base Rate Revenue Growth Rate FY2006-FY2015	Forecast Base Rate Revenue Growth Rate FY2016 - FY2025°
Total Electric	94,473	\$129,868	58.7%	3.7%	0.93%
Natural Gas	34,152	\$12,984	5.9%	3.9%	0.85%
Water	70,903	\$30,821	13.9%	6.2%	1.24%
Wastewater	64,121	\$36,551	16.5%	6.7%	1.09%
GRUCom <sup>b</sup>		\$10,939	4.9%	2.5%	2.34%
TOTAL		\$221,163	100.0%		

a. Unaudited Base Rate Revenues (excludes fuel adjustments and embedded fuel costs)



b. Includes Telecomm, Internet, Tower Space Leasing, and Trunking Radio Services

c. GRUCom Revenue Forecast Horizon spans FY2016-FY2022

## Regulatory Update - Electric Proactively Monitoring and Planning for Regulation

- April 2015 Mercury Air Toxin Standards (MATS)
  - Deerhaven 2 (DH2) has demonstrated ability to meet the standards
- Clean Power Plan (CPP)
  - Potential Impacts to GRU
    - Evaluating impacts to DH2's Useful Life
    - Increased Production Cost
    - Accelerate Solar
  - Impacts Mitigated by GREC
  - GRU Joining in Industry Responses to EPA
    - Florida Municipal Electric Association (FMEA)
    - Florida Electric Power Coordinating Group (FCG)



## Regulatory Update - Water/Wastewater Proactively Monitoring and Planning for Regulation

- Paynes Prairie
  - Nutrient Reduction Project Completed CY 2015
- Biosolids
  - Dewatering facility under construction to be fully operational by February 2016
  - Facility will provide additional reuse options

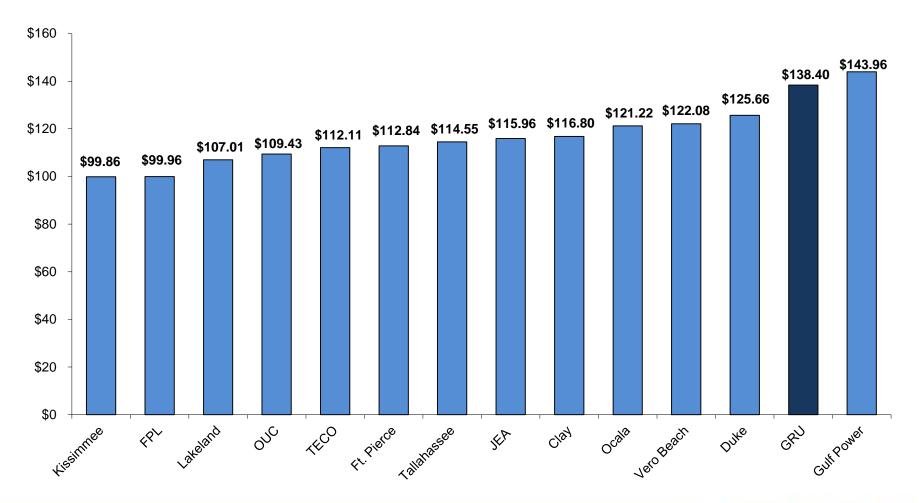


### RATE COMPARES



### Residential Electric

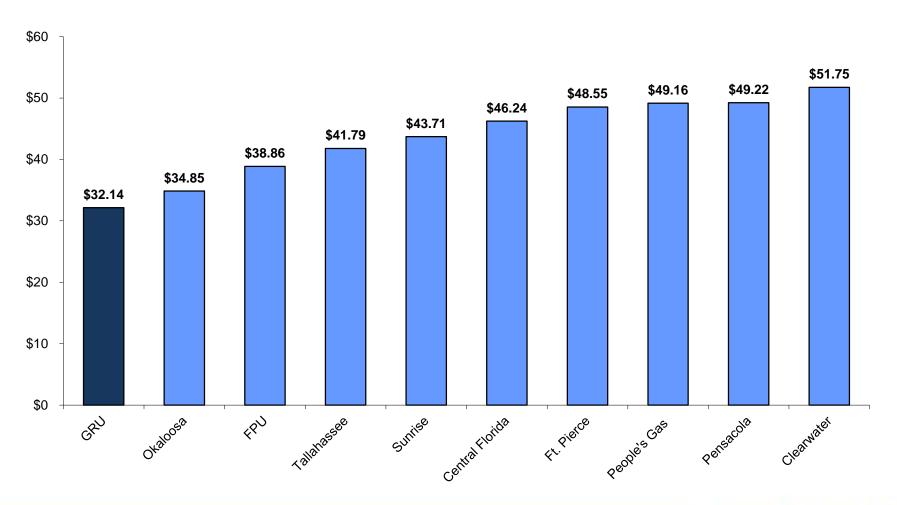
1,000 kWh October 2015





### Residential Natural Gas

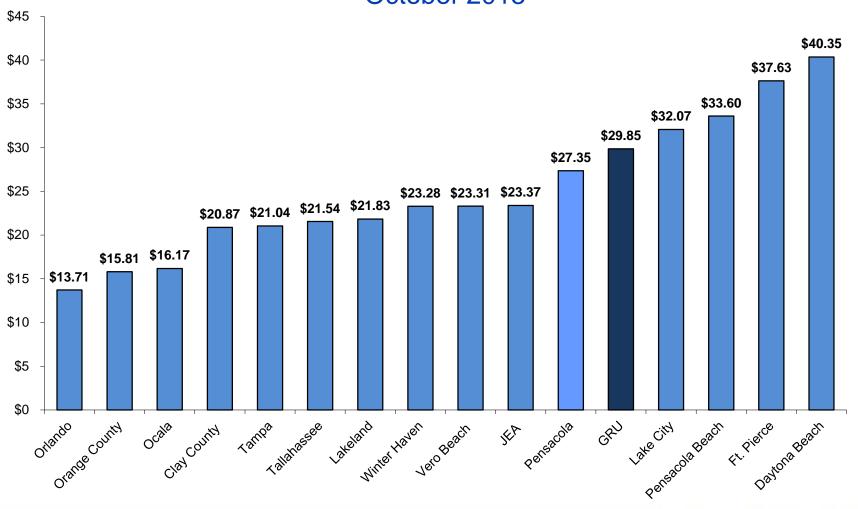
25 Therms October 2015





### Residential Water

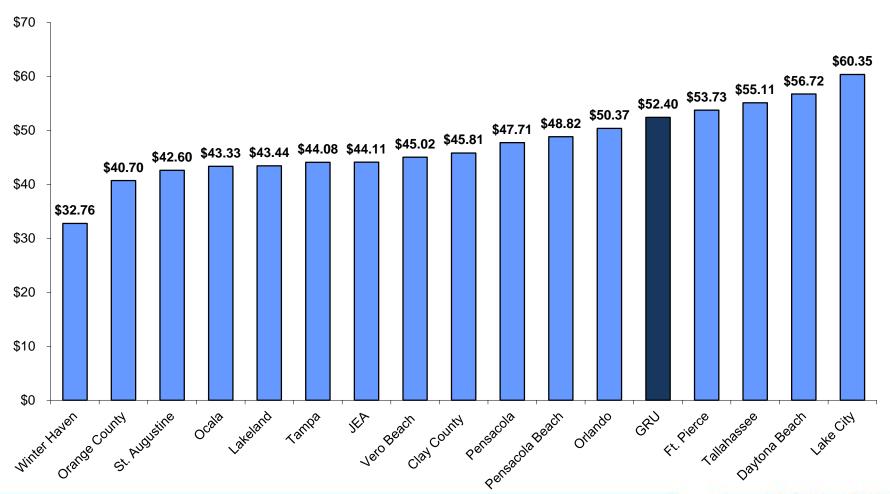
7 kGal October 2015





### Residential Wastewater

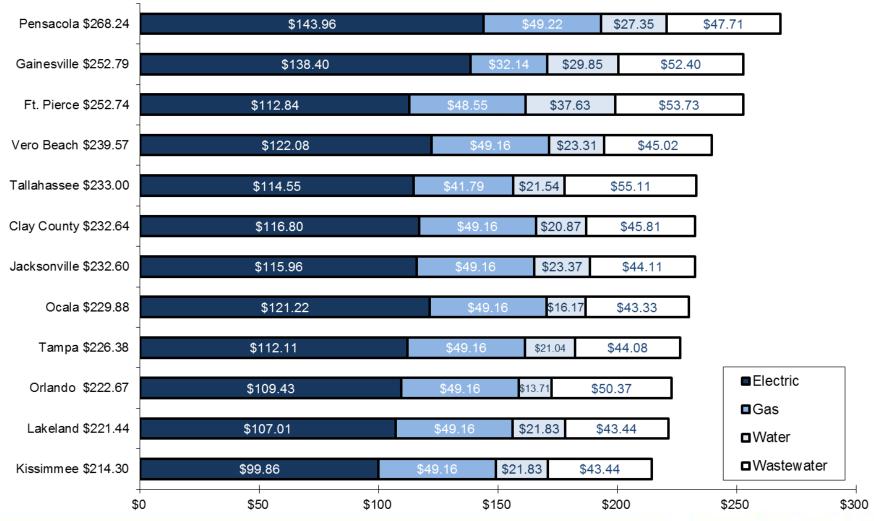
7 kGal October 2015





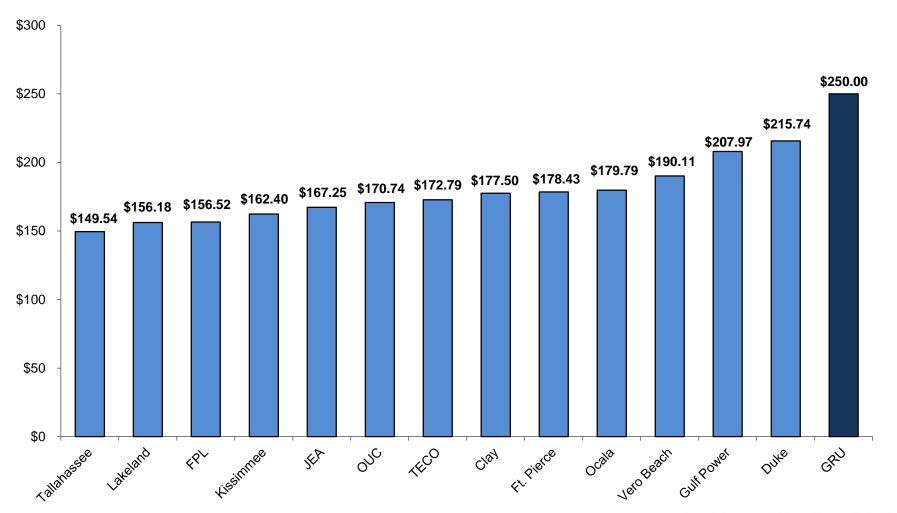
### Residential Basket of Services

October 2015



### **GSN Electric**

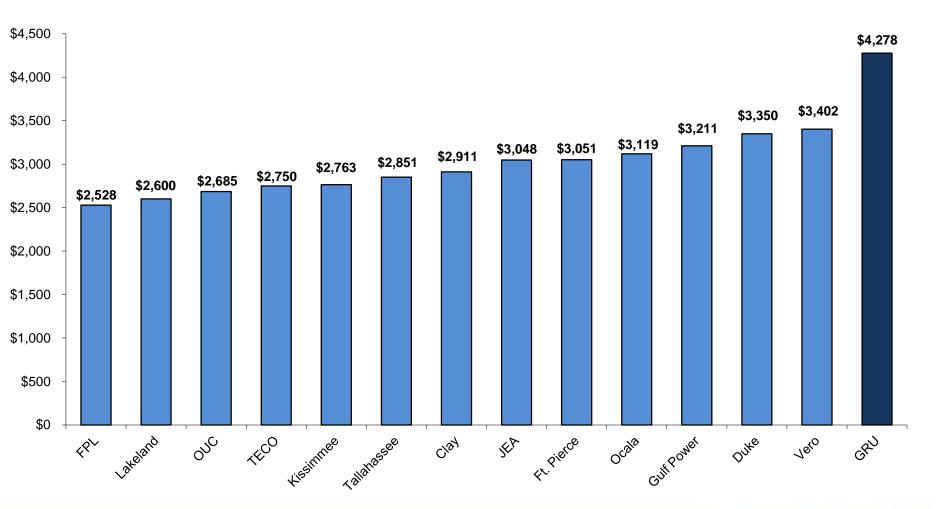
1,500 kWh October 2015





### **GSD Electric**

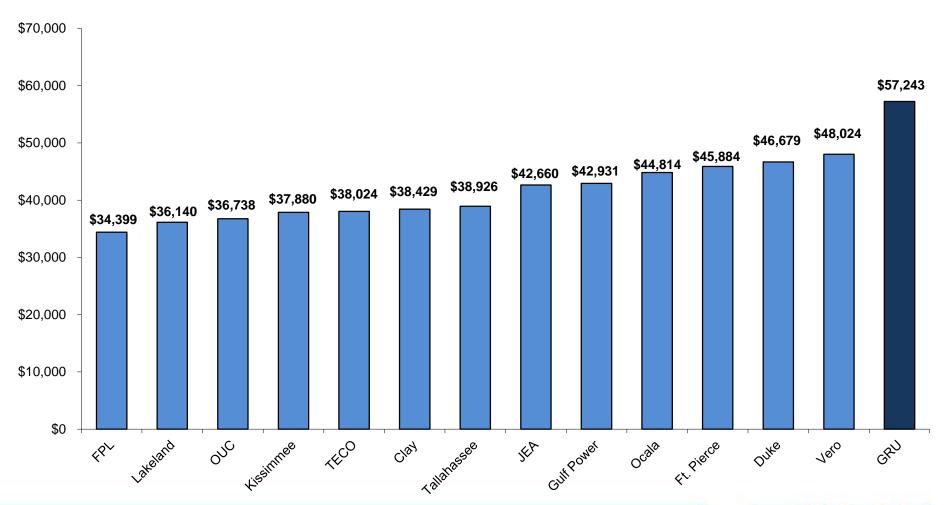
30,000 kWh – 75 kW October 2015





### LP Electric

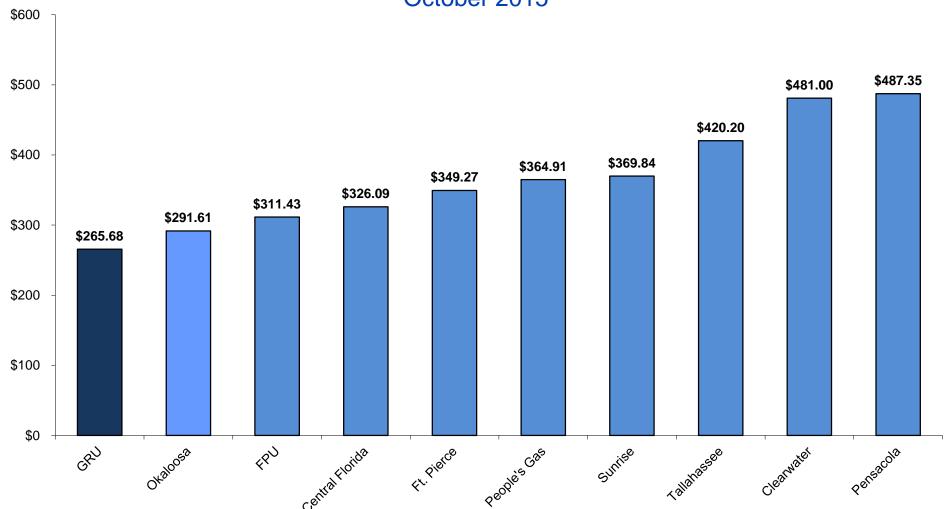
430,000 kWh – 1,000 kW October 2015





### **Commercial Natural Gas**

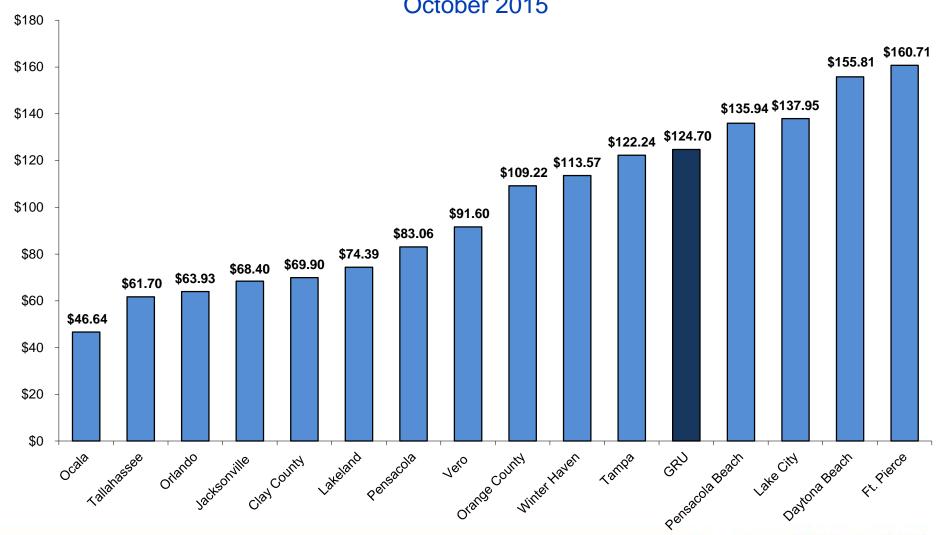
300 Therms October 2015





### **Commercial Water**

30 kGal October 2015





### **Commercial Wastewater**

30 kGal October 2015

