## GRU Debt Portfolio Review

December 1, 2021

Item \#210674

## Debt Portfolio Review

- Utilities are responsible for maintaining the condition of their capital assets to comply with environmental regulation and to continue to deliver services
- Rating agencies evaluate the age and condition of the Utility's infrastructure:
- Can the Utility generate power safely, reliably and in compliance with environmental regulation?
- Can the Utility deliver safe, clean, treated water through its plant and water lines while protecting the infrastructure and aquifer?
- Can wastewater maintain the system to avoid sewage spills and treat wastewater safely in compliance environmental regulation?


## Debt Portfolio Review

- As a five system municipal utility operation which includes power generation, GRU is a capital intensive operation

| From Preliminary Statement of Net Position September 30, 2021 |  |
| :---: | :---: |
| Utility plant in service | 2,952,151,221 |
| Less: accumulated depreciation \& amortization | $(1,221,153,540)$ |
|  | 1,730,997,681 |
| Construction in progress | 132,543,930 |
| Net capital assets | 1,863,541,611 |

- Need to access capital markets regularly to obtain resources to acquire, construct and maintain this capital infrastructure


## Debt Portfolio Review

- Our annual capital budgets are generally around $\$ 75 \mathrm{M}$ or $\$ 80 \mathrm{M}$
- Significant amount but it equates to only $4 \%$ of our total capital assets
- Less than annual depreciation expense of approximately $\$ 100 \mathrm{M}$
- Signals that GRU is not keeping pace with its capital needs
- Split our capital funding $50 \%$ debt/50\% equity (internal cash)
- Accessing capital markets every 2 - 3 years in the amounts issued for the 2021 Series A Bonds just completed


## Debt Portfolio Review

- Moody's rating agency's evaluation of the age and condition of infrastructure comprises one-third of the "System Characteristics" section of their review under the heading of Asset Condition.
- Below is the current status of each of GRU's systems under the Moody's formula for Asset Condition

| MOODY' RATING AGENCY: ASSET CONDITION EVALUATION RATING CATEGORIES |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Net Fixed Assets/ Annual Depreciation | $\begin{gathered} \text { Aaa } \\ >75 \text { Years } \end{gathered}$ | $\begin{gathered} \text { Aa } \\ >25 \text { years }<=75 \text { years } \end{gathered}$ | $\begin{gathered} \mathrm{A} \\ >12 \text { years }<=25 \text { years } \end{gathered}$ | $\begin{gathered} \text { Baa } \\ >9 \text { years }<1=12 \text { years } \end{gathered}$ | Ba <br> $>6$ years $<=9$ years | B and Below </= 6 years |
| Electric System |  |  | 19.96 Years |  |  |  |
| Water System |  |  | 16.11 Years |  |  |  |
| Wastewater System |  |  | 18.19 Years |  |  |  |
| Gas System |  |  |  | 11.27 Years |  |  |
| GRUCom System |  |  |  |  | 8.72 Years |  |

- An additional reflection that capital spending is not keeping pace with capital needs


## Debt Portfolio Review <br> Why Utilize Debt Financing

- Even if we could utilize cash to fund all of our capital infrastructure needs
- If we pay cash up front current rate payers shoulder inordinate amount of burden for assets which will serve rate payers for 30+ years
- Borrowing spreads the rate impact over the useful life of the assets and limits intergenerational inequity
- So we typically complete new money issues every 2 - 3 years
- Initiate refunding transactions as opportunities to generate debt service savings are developed


# Debt Portfolio Review <br> Debt is a Significant Portion of GRU Total Budget 



## Debt Portfolio Review

Debt is a Significant Portion of Each System's Budget


| Electric | FY22 Budget |  | Projected FY23 |  |
| :---: | :---: | :---: | :---: | ---: |
| O \& M | $31.58 \%$ | $93,720,529$ | $31.91 \%$ | $94,975,890$ |
| Debt Service | $25.27 \%$ | $74,996,389$ | $25.47 \%$ | $75,802,872$ |
| Fuel | $26.93 \%$ | $79,938,081$ | $26.00 \%$ | $77,367,953$ |
| UPIF | $8.35 \%$ | $24,770,690$ | $9.19 \%$ | $27,349,341$ |
| GFT | $7.88 \%$ | $23,388,369$ | $7.43 \%$ | $22,099,150$ |


| Water | FY22 Budget |  | Projected FY23 |  |
| :---: | :---: | ---: | ---: | ---: |
| O \& M | $48.76 \%$ | $18,972,300$ | $49.19 \%$ | $18,906,017$ |
| Debt Service | $22.48 \%$ | $8,747,583$ | $23.35 \%$ | $8,972,842$ |
| UPIF | $17.39 \%$ | $6,765,625$ | $16.58 \%$ | $6,371,313$ |
| GFT | $11.38 \%$ | $4,426,217$ | $10.88 \%$ | $4,182,234$ |


| Wastewater | FY22 Budget |  | Projected FY23 |  |
| :---: | ---: | ---: | ---: | ---: |
| O \& M | $47.65 \%$ | $23,409,313$ | $48.81 \%$ | $23,882,750$ |
| Debt Service | $24.54 \%$ | $12,058,138$ | $25.28 \%$ | $12,370,501$ |
| UPIF | $16.92 \%$ | $8,314,263$ | $15.58 \%$ | $7,625,160$ |
| GFT | $10.88 \%$ | $5,346,802$ | $10.33 \%$ | $5,052,074$ |


| Gas | FY22 Budget |  | Projected FY23 |  |
| :---: | :---: | ---: | ---: | ---: |
| O \& M | $23.85 \%$ | $6,163,378$ | $23.83 \%$ | $5,624,793$ |
| Debt Service | $20.08 \%$ | $5,187,892$ | $22.47 \%$ | $5,303,259$ |
| Fuel | $30.67 \%$ | $7,925,032$ | $31.66 \%$ | $7,473,113$ |
| UPIF | $18.43 \%$ | $4,762,422$ | $14.84 \%$ | $3,503,680$ |
| GFT | $6.97 \%$ | $1,799,797$ | $7.20 \%$ | $1,700,588$ |


| GRUCom | FY22 Budget |  | Projected FY23 |  |
| :---: | :---: | ---: | :---: | ---: |
| O \& M | $67.82 \%$ | $9,950,181$ | $66.79 \%$ | $9,931,120$ |
| Debt Service | $15.33 \%$ | $2,249,025$ | $15.69 \%$ | $2,332,870$ |
| UPIF | $7.84 \%$ | $1,149,559$ | $9.12 \%$ | $1,356,717$ |
| GFT | $9.01 \%$ | $1,321,815$ | $8.40 \%$ | $1,248,954$ |

## Debt Portfolio Review

## 12\% Reduction in Outstanding Principal Since 2015

How We Got Here<br>GRU Principal Outstanding at FYE<br>(Billions)



## Debt Portfolio Review Current Outstanding Debt

- As the prior slide demonstrates GRU's outstanding debt began to grow noticeably in 2005
- As our debt grew, usage of variable rate debt and swaps has grown
- Lower overall cost of borrowing
- As size and complexity of our debt portfolio has grown, rating agency review and analysis of our debt management program has expanded

Debt Portfolio Review

## GRU Outstanding Debt Service Obligations \$2.65B

GRU DEBT SERVICE OUTSTANDING @10/1/2021 (Post 10/1 principal payment pre defeasance 10/28)

|  | Principal | Interest | Net Swap | Total | Per Fiscal year |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 04/01/22 | - | 31,806,081 | - | 31,806,081 |  |
| 10/01/22 | 29,260,000 | 31,806,081 | 5,695,670 | 66,761,751 | 98,567,832 |
| 04/01/23 | - | 31,552,636 | - | 31,552,636 |  |
| 10/01/23 | 32,150,000 | 31,552,636 | 4,853,484 | 68,556,120 | 100,108,756 |
| 04/01/24 | - | 30,887,325 | - | 30,887,325 |  |
| 10/01/24 | 31,830,000 | 30,887,325 | 4,599,087 | 67,316,412 | 98,203,737 |
| 04/01/25 | - | 29,663,131 | - | 29,663,131 |  |
| 10/01/25 | 44,405,000 | 29,663,131 | 4,077,194 | 78,145,325 | 107,808,456 |
| 04/01/26 | - | 28,794,543 | - | 28,794,543 |  |
| 10/01/26 | 45,800,000 | 28,794,543 | 3,759,931 | 78,354,474 | 107,149,017 |
| 04/01/27 | - | 27,888,944 | - | 27,888,944 |  |
| 10/01/27 | 48,870,000 | 27,888,944 | 3,433,067 | 80,192,011 | 108,080,955 |
| 04/01/28 | - | 26,966,443 | - | 26,966,443 |  |
| 10/01/28 | 50,760,000 | 26,966,443 | 3,233,628 | 80,960,071 | 107,926,514 |
| 04/01/29 | - | 25,994,567 | - | 25,994,567 |  |
| 10/01/29 | 51,655,000 | 25,994,567 | 3,026,044 | 80,675,611 | 106,670,178 |
| 04/01/30 | - | 22,796,179 | - | 22,796,179 |  |
| 10/01/30 | 54,730,000 | 22,796,179 | 2,034,793 | 79,560,972 | 102,357,151 |
| 04/01/31 | - | 21,865,685 | - | 21,865,685 |  |
| 10/01/31 | 57,165,000 | 21,865,685 | 1,468,455 | 80,499,140 | 102,364,825 |
| 04/01/32 | - | 20,931,331 | - | 20,931,331 |  |
| 10/01/32 | 59,675,000 | 20,931,331 | 870,146 | 81,476,477 | 102,407,808 |
| 04/01/33 | - | 19,953,412 | - | 19,953,412 |  |
| 10/01/33 | 63,660,000 | 19,953,412 | 245,285 | 83,858,697 | 103,812,109 |
| 04/01/34 | - | 18,923,709 | - | 18,923,709 |  |
| 10/01/34 | 66,275,000 | 18,923,709 | $(371,447)$ | 84,827,262 | 103,750,971 |
| 04/01/35 | - | 17,759,412 | - | 17,759,412 |  |
| 10/01/35 | 69,410,000 | 17,759,412 | $(928,031)$ | 86,241,381 | 104,000,793 |
| 04/01/36 | - | 16,486,763 | - | 16,486,763 |  |
| 10/01/36 | 69,470,000 | 16,486,763 | $(1,507,741)$ | 84,449,022 | 100,935,785 |

## Debt Portfolio Review

## GRU Outstanding Debt Service Obligations \$2.65B (concluded)

GRU DEBT SERVICE OUTSTANDING @10/1/2021 (Post 10/1 principal payment pre defeasance 10/28)

|  | Principal | Interest | Net Swap | Total | Per Fiscal year |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 04/01/37 | Pr | 15,240,988 | - | 15,240,988 |  |
| 10/01/37 | 72,230,000 | 15,240,988 | $(2,099,049)$ | 85,371,939 | 100,612,927 |
| 04/01/38 | - | 13,518,370 | - | 13,518,370 |  |
| 10/01/38 | 75,275,000 | 13,518,370 | $(2,236,696)$ | 86,556,674 | 100,075,044 |
| 04/01/39 | - | 11,866,121 | - | 11,866,121 |  |
| 10/01/39 | 78,160,000 | 11,866,121 | $(2,379,743)$ | 87,646,378 | 99,512,499 |
| 04/01/40 | - | 10,021,105 | - | 10,021,105 |  |
| 10/01/40 | 81,235,000 | 10,021,105 | $(2,367,292)$ | 88,888,813 | 98,909,918 |
| 04/01/41 | - | 8,319,064 | - | 8,319,064 |  |
| 10/01/41 | 68,555,000 | 8,319,064 | $(2,249,632)$ | 74,624,432 | 82,943,496 |
| 04/01/42 | - | 7,665,964 |  | 7,665,964 |  |
| 10/01/42 | 77,800,000 | 7,665,964 | $(2,103,513)$ | 83,362,451 | 91,028,415 |
| 04/01/43 | , | 6,813,996 | (2,103,513) | 6,813,996 |  |
| 10/01/43 | 80,330,000 | 6,813,996 | $(1,922,623)$ | 85,221,373 | 92,035,369 |
| 04/01/44 | , | 5,843,433 | (1,922,623) | 5,843,433 |  |
| 10/01/44 | 83,250,000 | 5,843,433 | $(1,736,235)$ | 87,357,198 | 93,200,631 |
| 04/01/45 | - | 4,812,121 | - | 4,812,121 |  |
| 10/01/45 | 86,305,000 | 4,812,121 | $(1,431,693)$ | 89,685,428 | 94,497,549 |
| 04/01/46 | - | 3,646,798 | - | 3,646,798 |  |
| 10/01/46 | 89,570,000 | 3,646,798 | $(1,031,689)$ | 92,185,109 | 95,831,907 |
| 04/01/47 | , | 2,436,439 | ( | 2,436,439 |  |
| 10/01/47 | 94,030,000 | 2,436,439 | $(604,394)$ | 95,862,045 | 98,298,484 |
| - 04/01/48 | - | 1,152,500 | - | 1,152,500 |  |
| 10/01/48 | 10,695,000 | 1,152,500 | - | 11,847,500 | 13,000,000 |
| 04/01/49 | - | 885,125 | - | 885,125 |  |
| - 10/01/49 | 11,230,000 | 885,125 | - | 12,115,125 | 13,000,250 |
| 04/01/50 |  | 604,375 | - | 604,375 |  |
| 10/01/50 | 11,795,000 | 604,375 | - | 12,399,375 | 13,003,750 |
| 04/01/51 | - | 309,500 | - | 309,500 |  |
| $\cdots 10 / 01 / 51$ | 12,380,000 | 309,500 | - | 12,689,500 | 12,999,000 |
| Total | 1,707,955,000 | 930,812,120 | 14,327,006 | 2,653,094,126 | 2,653,094,126 |

# Debt Portfolio Review <br> GRU Outstanding Debt Service Obligations \$2.65B 

GRU Outstanding Debt Service @ 10/1/2021 (millions)


## Debt Portfolio Review GRU Debt History by Series

| Series | Issue Date | Issue Amount | Principal Paid as of 10/1/21 | Refunded | Defeased | Outstanding as of $10 / 1 / 21$ | Final <br> Maturity |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1983 | August 1, 1983 | 186,000,000 | 13,530,000 | 172,470,000 |  | - |  |
| 1987A | August 1, 1987 | 74,867,331 | 10,600,000 | 64,267,331 |  | - |  |
| 1989A | January 15, 1989 | 100,366,362 | - | 100,366,362 |  | - |  |
| 1992A | March 1, 1992 | 73,000,000 | 9,270,000 | 63,730,000 |  | - |  |
| 1992B | March 1, 1992 | 61,920,000 | 25,275,000 | 36,645,000 |  | - |  |
| 1993A \& B | March 1, 1993 | 163,975,000 | 50,050,000 | 113,925,000 |  | - |  |
| 1993C | August 1, 1993 | 20,935,000 | 20,935,000 | - |  | - |  |
| 1993 Sub. | August 1, 1993 | 51,575,000 | 51,575,000 | - |  | - |  |
| 1996A | February 1, 1996 | 143,215,000 | 32,115,000 | 111,100,000 |  | - |  |
| 2002A \& B | June 25, 2002 | 77,300,000 | 12,000,000 | 65,300,000 |  | - |  |
| 2003A \& B | January 30, 2003 | 40,625,000 | 7,625,000 | 33,000,000 |  | - |  |
| 2003C | July 18, 2003 | 115,925,000 | 115,925,000 | - |  | - |  |
| 2005A | November 3, 2005 | 196,950,000 | - | 196,545,000 | 405,000 | - |  |
| 2005B | November 3, 2005 | 61,590,000 | 19,915,000 | 41,675,000 |  | - |  |
| 2005C | June 26, 2006 | 55,135,000 | 15,960,000 | 36,085,000 |  | 3,090,000 | 2026 |
| 2006A | February 23, 2007 | 53,305,000 | 10,485,000 | 39,835,000 |  | 2,985,000 | 2026 |
| 2007A | February 6, 2008 | 139,505,000 | 3,325,000 | 8,430,000 |  | 127,750,000 | 2036 |
| 2008A | February 6, 2008 | 105,000,000 | 52,505,000 | 52,495,000 |  | - | 2020 |
| 2008B | September 16, 2009 | 90,000,000 | - | 14,200,000 |  | 75,800,000 | 2038 |
| 2009A | September 16, 2009 | 24,190,000 | 24,190,000 | - |  | - |  |

## Debt Portfolio Review

## GRU Debt History by Series (Concluded)

| Series | Issue Date | Issue Amount | Principal Paid as of 10/1/21 | Refunded | Defeased | Outstanding as of 10/1/21 | Final Maturity |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2009B | November 10, 2010 | 156,900,000 | 28,360,000 | - | - | 128,540,000 | 2039 |
| 2010A | November 10, 2010 | 12,930,000 | - | - | - | 12,930,000 | 2030 |
| 2010B | November 10, 2010 | 132,445,000 | - | - | - | 132,445,000 | 2040 |
| 2010C | November 10, 2010 | 16,365,000 | 5,860,000 | 10,505,000 | - | - |  |
| 2012A | July 13, 2012 | 81,860,000 | 6,510,000 |  | - | 75,350,000 | 2028 |
| 2012B | July 24, 2012 | 100,470,000 | - | 1,860,000 | - | 98,610,000 | 2042 |
| 2014A | December 11, 2014 | 37,980,000 | 1,040,000 | - | - | 36,940,000 | 2044 |
| 2014B | December 11, 2014 | 30,970,000 | 18,885,000 | - | - | 12,085,000 | 2036 |
| 2017A | November 7, 2017 | 415,920,000 | 33,755,000 | - | - | 382,165,000 | 2040 |
| 2017B | November 7, 2017 | 150,000,000 | - | - | - | 150,000,000 | 2044 |
| 2017 C | November 7, 2017 | 115,000,000 | - | - | - | 115,000,000 | 2047 |
| 2019A | April 3, 2019 | 153,820,000 | - | - | - | 153,820,000 | 2047 |
| 2019B | April 3, 2019 | 26,665,000 | - |  | - | 26,665,000 | 2047 |
| 2019 C | April 26, 2019 | 67,355,000 | - |  | - | 67,355,000 | 2047 |
| 2020A | July 7, 2020 | 10,665,000 | - | - | - | 10,665,000 | 2034 |
| 2021A | August 11, 2021 | 95,760,000 | - | - | - | 95,760,000 | 2051 |

# Debt Portfolio Review GRU Projected Debt Service Obligations Including New Money Considerations Through 2030 \$3.2B 



# Debt Portfolio Review Projected Debt Service Obligation 

Projected GRU Debt Service Obligation<br>(billions)



Debt Portfolio Review

## Composition of Debt: 94\% Fixed or Hedged

## COMPOSITION OF DEBT



## Debt Portfolio Review <br> Hedging Variable Rate Debt Through Swaps

- GRU issues variable rate debt
- Make variable rate payment to underlying bondholder
- GRU enters into swap agreement with counterparty
- Under the terms of the swap
- GRU makes a fixed rate swap payment to counterparty
- GRU receives variable rate swap payment from counterparty
- Variable rate swap payment received from counterparty offsets variable rate payment made to underlying bondholder of original debt, therefore on net basis GRU is left with fixed rate swap payment to counterparty
- Fixed rate swap payment rate is lower than fixed rate obtained if original debt was issued in fixed rate form


## Debt Portfolio Review

## Hedging Variable Rate Debt Through Swaps



## Debt Portfolio Review <br> Liquidity Facilities

- Putting liquidity facilities in place is mandatory for administering a variable rate debt program
- These facilities provide funds to pay investors principal as variable rate instruments mature in the event of market disruptions that affect the ability to remarket these instruments

| Series | Series Type | Provider | Term Date | Fee | Remarketing Agent | Par |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2005 C | Daily VRDO | Barclays | 5/17/2024 | 54 bps | JPMorgan | 3,090,000 |
| 2006 A | Daily VRDO | Barclays | 5/17/2024 | 54 bps | Goldman | 2,985,000 |
| 2007 A | Weekly VRDO | State Street | 6/30/2025 | 69 bps | JPMorgan | 127,750,000 |
| 2008 B | Weekly VRDO | Barclays | 5/17/2024 | 54 bps | Goldman | 75,800,000 |
| 2008 Tax-Exempt Commercial Paper | Tax-Exempt CP | Bank of America | 11/30/2024 | 43 bps | Goldman | 125,000,000 |
| 2012 B* | Daily VRDO | Barclays | 5/17/2024 | 54 bps | JPMorgan | 98,610,000 |
| Taxable Commercial Paper | Taxable CP | State Street | 6/30/2025 | 70 bps | Goldman | 25,000,000 |
| 2018 A (LOC) | Tax-Exempt LOC | Truist | 11/30/2024 | 25 bps | NA | 25,000,000 |
| 2019 C | Daily VRDN | Bank of America | 4/25/2022 | 40 bpts | BofA | 67,355,000 |
| 2020 A (LOC) | Taxable LOC | Truist | 4/29/2022 | 30 bps | NA | 50,000,000 |

## Debt Portfolio Review

## Debt Defeasance Program

- Two initiatives in FY20 which generated significant savings for GRU
- 2020 GRU debt restructuring transactions - $\$ 134 \mathrm{M}$ in savings over the next 26 years
- 2020 POB transaction executed by General Government - \$64M in savings over the next 22 years
- Combined savings stream for these two initiatives averages approximately:
- \$5M per year through 2029
- \$10M per year 2030-2042
- \$4M per year 2043-2047


## Debt Portfolio Review

## Debt Defeasance Program

- As part of their approval of these transactions the City Commission directed that the resulting savings be used to defease existing GRU debt.
- At their meeting of June 17, 2021 the Commission authorized GRU to execute the first tranche of the defeasance program through September of 2026
- Approximately $\$ 31 \mathrm{M}$ in savings will have been accumulated through this point, so in a series of annual transactions between now and FYE26 we anticipate defeasing approximately this volume of outstanding debt.


## Debt Portfolio Review <br> Debt Defeasance Program

- First efforts focused on bonds maturing in 2025 and 2026 to address spikes in debt service occurring in these years
- The initial bonds targeted for this defeasance are maturities of Series 2009B and 2017A bonds.
- On October 28 GRU executed
- Legal defeasance of certain 2025 and 2026 maturities of Series 2017A bonds totaling \$7,185,000
- Economic defeasance of certain 2025 maturities of Series 2009B bonds totaling \$1,130,000


## Debt Portfolio Review <br> Debt Defeasance Program

- Modeling indicates that based on Commission decisions in the FY22 budget process reserve levels will exceed policy targets towards the end of the current forecast period in FY27 and FY28.
- Financial planning incorporates utilizing a portion of this excess to add to the pool of funds applied to debt defeasance to address GRU's most significant financial issue - high leverage.


## Financial Metrics Policy



## Financial Metrics Policy

- Creation of a policy establishing target financial metrics
- Facilitates development of financial goals
- Assists with budget formulation
- Enables GRU to identify financial trends over a multiple-year period as well as to track financial performance over the course of a fiscal year
- Rating agencies publish municipal-utility based criteria that establish metrics for particular rating categories that can inform the target levels established for GRU's financial metrics
- Metrics chosen for inclusion in GRU policy are:
- Days cash on hand
- Days liquidity
- Debt service coverage
- Coverage of Fixed Obligations
- Debt to capitalization
- Leverage


## Financial Metrics Policy Days Cash on Hand

- Formula is (Available Cash/Net Operating Expenses)*365
- Available cash is unrestricted cash, cash equivalents and investments unencumbered by legal agreements or policy or earmarked for specific purposes
- Net Operating Expenses equals operating expenses less depreciation/amortization and other noncash items
- This metric estimates the number of days GRU can pay its daily O\&M expenses before running out of this cash. It measures GRU's financial security and ability to weather uncertainty.
- Rating agency benchmarks and GRU policy targets for this metric:

| Moody's AAA | Moody's AA | GRU Target | GRU per Moody's Formula |
| :---: | :---: | :---: | :---: |
| +250 days | $150-250$ days | 250 days | 201 days |
| S\&P Extremely Strong | S\&P Very Strong | GRU Target | GRU per S\&P Formula |
| $>270$ days | $150-270$ days | 250 days | 288 days |

## Financial Metrics Policy Days Liquidity

- Formula is (Available Cash + Liquidity/Net Operating Expenses)*365
- Liquidity is available lines of credit and authorized but unissued commercial paper.
- Net Operating Expenses equals operating expenses less depreciation/amortization and other noncash items
- This metric estimates how many days GRU can pay its O\&M expenses before exhausting this liquidity. It measures GRU's financial security and ability to weather uncertainty.
- Rating agency benchmarks and GRU policy targets for this metric:

| Moody's AAA | Moody's AA | GRU Target | GRU per Moody's Formula |
| :---: | :---: | :---: | :---: |
| +250 days | $150-250$ days | 300 days | 454 days |
| S\&P Extremely Strong | S\&P Very Strong | GRU Target | GRU per S\&P Formula |
| $>270$ days | $150-270$ days | 300 days | 668 days |

## Financial Metrics Policy Debt Service Coverage

- Formula is Net Revenues/Debt Service
- Net revenues = operating revenues - operating expenses + interest income
- Debt Service = annual debt service expense
- This metric measures GRU's financial security and ability to meet debt obligations.
- Rating agency benchmarks and GRU policy targets for this metric:

| Moody's AAA | Moody's AA | Moody's A | GRU Target | GRU per Moody's Formula |
| :---: | :---: | :---: | :---: | :---: |
| $>2.0 \mathrm{l}$ | $1.7 \mathrm{X}-2.0 \mathrm{X}$ | $1.25 \mathrm{X}-1.7 \mathrm{X}$ | 1.7 X | 1.87 |
| S\&P Extremely Strong | S\&P Very Strong | S\&P Strong | GRU Target | GRU per S\&P Formula |
| $>1.6 \mathrm{P}$ | $>1.4 X$ | 1.2 X | 1.7 X | 1.98 |

## Financial Metrics Policy Coverage of Fixed Obligations

- Formula is (Net Revenues - transfers out + debt-like service- debt service)/(Debt service + debt-like service)
- Net revenues = operating revenues - operating expenses + interest income
- Debt Service = annual debt service expense
- Debt-like service includes purchased power purchased power agreements
- This metric calculates GRU's available cash flow to pay current obligations, including debt-like obligations such as purchased power and power purchase agreements. It measures GRU's financial security and ability to meet debt obligations and other long-lived contractual agreements.
- Rating agency benchmarks and GRU policy targets for this metric:

| Moody's AAA | Moody's AA | Moody's A | GRU Target | GRU per Moody's Formula |
| :---: | :---: | :---: | :---: | :---: |
| $>2.0 X$ | $1.7 X-2.0 X$ | $1.25 X-1.7 X$ | $1.3 X$ | 1.53 |
| S\&P Extremely Strong | S\&P Very Strong | S\&P Strong | GRU Target | GRU per S\&P Formula |
| $>1.6 X$ | $>1.4 X$ | $1.2 X$ | $1.3 X$ | 1.52 |

## Financial Metrics Policy Debt to Capitalization (Moody’s)

- Formula is Total Debt/Capitalization
- Total debt = total debt outstanding at the end of the fiscal year
- Capitalization $=$ total debt + net position
- This metric measures system leverage. Given the high level of debt on GRU's balance sheet GRU is considered highly leveraged by all three of the rating agencies. This will be a difficult metric to change in the short-term and should be seen as a longer term goal.
- Rating agency benchmarks and GRU policy targets for this metric:


## Financial Metrics Policy Leverage (Fitch)

- Formula is Net Adjusted Debt/Adjusted Funds Available for Debt Service
- Net adjusted debt = debt + unamortized bond premium + pension liability + purchased power adjustment less available cash (Operating, RSF, UPIF, debt service)
- Adjusted funds available for debt service= adjusted operating income less GFT + pension expense
- This metric measures system leverage. Given the high level of debt on GRU's balance sheet GRU is considered highly leveraged by all three of the rating agencies. This will be a difficult metric to change in the short-term and should be seen as a longer term goal.
- Rating agency benchmarks and GRU policy targets for this metric:


## Delevering Policy

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## Delevering Policy

- GRU is considered highly leveraged by all three rating agencies.
- The proposed delevering policy incorporates three elements
- Continuing as directed by the City Commission to apply savings from the 2020 debt restructuring transactions and the 2020 POB issuance towards defeasing outstanding debt
- Funding at least 50\% of Capital Improvement Plans through internal equity (Utility Plant Improvement Fund - UPIF)
- When cash balance levels exceed the targets established in the City Commission approved Cash Balance Policy, applying these excess balances towards cash defeasance.
- As noted in the Financial Metrics Section, the ultimate target for the delevering policy is to reduce GRU's
- debt to capitalization ratio from its current level of $80.14 \%$ to $70 \%$.
- Leverage ratio from 9.89 to 8.00


## QUESTIONS?

