

ATTACHMENT 9- BASE RES MODELING

2018-2027 RRI Calculation Period

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Baseline Revenue Req (MMS)										
Annual 1% (MMS)										
Actual Costs										
Annual Over/(Under)										
Plus Prior Carryover										
Cumulative carryover - over/(under)										

2019-2028 RRI Calculation Period

Baseline Revenue Req (MMS)										
Annual 1% (MMS)										
Actual Costs										
Annual Over/(Under)										
Plus Prior Carryover										
Cumulative carryover - over/(under)										

2020-2029 RRI Calculation Period

Baseline Revenue Req (MMS)										
Annual 1% (MMS)										
Actual Costs										
Annual Over/(Under)										
Plus Prior Carryover										
Cumulative carryover - over/(under)										

2021-2030 RRI Calculation Period

Baseline Revenue Req (MMS)										
Annual 1% (MMS)										
Actual Costs										
Annual Over/(Under)										
Plus Prior Carryover										
Cumulative carryover - over/(under)										

2022-2031 RRI Calculation Period

Baseline Revenue Req (MMS)										
Annual 1% (MMS)										
Actual Costs										
Annual Over/(Under)										
Plus Prior Carryover										
Cumulative carryover - over/(under)										

2023-2032 RRI Calculation Period

Baseline Revenue Req (MMS)										
Annual 1% (MMS)										
Actual Costs										
Annual Over/(Under)										
Plus Prior Carryover										
Cumulative carryover - over/(under)										

2024-2033 RRI Calculation Period

Baseline Revenue Req (MMS)										
Annual 1% (MMS)										
Actual Costs										

Actual Spend - 2018-2027
Budget - 2018-2027
Revenue Requirements 2018-2027
Budget % of Revenue Requirements
Actual % of Revenue Requirements

2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total
\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Rule SD
RES
NO-RES

2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	10-Year Avg RR
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RES
NO-RES

RES
NO-RES

Annual Over/(Under)				
Plus Prior Carryover				
Cumulative carryover - over/(under)	<div></div>		<div></div>	
2025-2034 RRI Calculation Period				
Baseline Revenue Req (MMS)			<div></div>	<div></div>
Annual 1% (MMS)			<div></div>	
			<div></div>	
Actual Costs	<div></div>		<div></div>	<div></div>
Annual Over/(Under)				
Plus Prior Carryover				
Cumulative carryover - over/(under)	<div></div>		<div></div>	
2026-2035 RRI Calculation Period				
Baseline Revenue Req (MMS)			<div></div>	<div></div>
Annual 1% (MMS)			<div></div>	
			<div></div>	
Actual Costs	<div></div>		<div></div>	<div></div>
Annual Over/(Under)				
Plus Prior Carryover				
Cumulative carryover - over/(under)	<div></div>		<div></div>	
2027-2036 RRI Calculation Period				
Baseline Revenue Req (MMS)			<div></div>	<div></div>
Annual 1% (MMS)			<div></div>	
			<div></div>	
Actual Costs	<div></div>		<div></div>	<div></div>
Annual Over/(Under)				
Plus Prior Carryover				
Cumulative carryover - over/(under)	<div></div>		<div></div>	

Annual Revenue Requirements

2 NO-RES

NO-RES (Baseline)

Add back Solar to Load Forecast (Excluded in IRP Load Forecast)

	2018	2019	2020	2021	2022	2023
INCOME STATEMENT 1						
Retail Revenues						
+Reserve Income Capacity Sales	0	0	0	0	0	0
+Reserve Capacity Sales	0	0	0	0	0	0
+Reserve Capacity Purchases	0	0	0	0	0	0
Residential	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Industrial	0	0	0	0	0	0
Lighting	0	0	0	0	0	0
Government	0	0	0	0	0	0
Other	0	0	0	0	0	0
Interruptible	0	0	0	0	0	0
Unbilled Revenues	0	0	0	0	0	0
TIER Return Adjustment	0	0	0	0	0	0
Prior Years Method Adjustment						
Prior level Method Adjustment						
Current Operating Method Adjustment						
Total Base Revenues						
+Fuel Clause Revenues						
+PGA Revenues						
+Competitive Sales						
+Competitive Unit Sales						
+Sales to Other Utilities						
+Secondary Energy Sales						
+Market Energy Sales						
+Transferred Energy Sales						
+Other Energy Sales						
+Secondary Capacity Sales						
+ICAP Revenues						
+Reserve Capacity Sales						
+Bulk Power Revenues						
+Other Revenues						
+Gas Revenues						
+Relationship Revenues						
+Regulatory Credit						
+Total Power Derivative Revenue						
=Physical Derivative Fixed Revenues						
+ Physical Derivative Variable Revenues						
+ Financial Derivative Fixed Revenues						
+ Financial Derivative Variable Revenue						
+Total Fuel Derivative Revenue						
=Physical Derivative Fixed Revenues						

- + Physical Derivative Variable Revenues
- + Financial Derivative Fixed Revenues
- + Financial Derivative Variable Revenue

TOTAL OPERATING REVENUES

- Special Expenses
- Fossil Fuel Expense
- Nuclear Fuel Expense
- Decommissioning
- DOE Deposal
- Purchased Power Expense
 - Market Purchased Power Expense
 - + Other Purchased Power Expense
 - + Amortization-Purchased Power Expense
- Deferred Fuel Expense
- Fixed O&M Production Expense
- Variable O&M Production Expense
- Total Derivative Expenses
 - Physical Derivative Fixed Expenses
 - + Physical Derivative Variable Expenses
 - + Financial Derivative Fixed Expenses
 - + Financial Derivative Variable Expenses
- Total Fuel Derivative Expenses
 - Physical Fuel Derivative Fixed Expenses
 - + Physical Fuel Derivative Variable Expenses
 - + Financial Fuel Derivative Fixed Expenses
 - + Financial Fuel Derivative Variable Expenses
- Reserve Capacity Purchases
- O&M Vacation Pay
- O&M Pension
- O&M Storm
- Service Transaction Expense
- Other O&M
- Gas Purchases
- Other Expenses
- Transmission Operation
- Transmission Maintenance
- Distribution Operation
- Distribution Maintenance
- Customer Accounts
- Customer Services
- Sales Expense
- A&G Operations
- A&G Maintenance
- Lease Expenses
 - Lease Amortization Expenses
 - + Lease Interest Expenses
- DSM Program Expense

- Emissions Credit Expense
- Retirement Medical Expense
- Depreciation Expense
- Amortization Expense
 - =Goodwill
 - + Regulatory Assets
 - + FASB 109
 - + FASB 133
 - + FASB 143
 - + Other Amortization
 - CIAC Amortization Expense

TOTAL OPERATING EXPENSE

- Operating Revenue Tax
- Other Taxes
- Property Taxes
 - Property Tax Basis
 - Property Tax Rate
 - Property Tax Basis
 - Property Taxes Prior Level
 - Property Tax Addendum
- State Income Taxes Paid
- State Tax on Capital
- Federal Income Taxes Paid
- Federal Tax on Capital
- Income Tax Deferrals (Dr)
- Income Tax Deferrals (Cr)
 - =Income Tax Deferrals (Cr)
 - + Issue Expense Deferrals (Cr)
 - + NF Deferred Taxes (Cr)
- Investment Tax Credit

TOTAL EXPENSES WITH TAXES

OPERATING INCOME

- +Deferred Revenues
- +Other Income

Net of Tax Other Income

- +Interest & Investment Income
- Expenses
- Income Taxes
- Income Tax Deferrals
- Amortization
- +AFUDC Equity

INCOME BEFORE INTEREST

- Interest on Long Term Debt
 - =Booked LTD Interest
 - +Interest Amort in LTD
- Interest on Short Term Debt
- +AFUDC Borrowed

INCOME AFTER INTEREST

+Unused Federal Tax Credits

+Subsidiary Income

-Extraordinary Items

Net Income

-Preferred Dividends

=Booked PD

+PD Amort

Earnings Available to Common

-Common Dividends

RETAINED EARNINGS

Return on Equity (%)

Return on Ratebase (%)

Book Value Per Share

Year-end Market Price Per Share

Average Market Price Per Share

Average Shares Outstanding

BOY Shares Outstanding

Net Shares Issued

Year End Shares Outstanding

Market to Book Ratio

Earnings per Share (\$)

Dividends per Share (\$)

Dividend Payout (%)

Average Equity

Common Issued

Preferred Issued

LTD Issued

STD Issued

Common Equity (%)

Preferred Stock (%)

Long Term Debt (%)

Short Term Debt (%)

Internal Cash to Construction Expense

Embed Cost Capital with STD (%)

Embed Cost Capital without STD (%)

Net Tax Embed Cost Capital with STD (%)

Net Tax Embed Cost Capital without STD (%)

Annualized LTD Cost (\$M)

Annualized PFS Cost (\$M)

Annualized STD Cost (\$M)

Annualized Equity Cost (\$M)

[illegible]

2034 2035 2036 2037

[illegible]

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+PD Amort

Earnings Available to Common

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RETAINED EARNINGS

Return on Equity (%)

Return on Ratebase (%)

Book Value Per Share

Year-end Market Price Per Share

Average Market Price Per Share

Average Shares Outstanding

BOY Shares Outstanding

Net Shares Issued

Year End Shares Outstanding

Market to Book Ratio

Earnings per Share (\$)

Dividends per Share (\$)

Dividend Payout (%)

Average Equity

Common Issued

Preferred Issued

LTD Issued

STD Issued

Common Equity (%)

Preferred Stock (%)

Long Term Debt (%)

Short Term Debt (%)

Internal Cash to Construction Expense

Embed Cost Capital with STD (%)

Embed Cost Capital without STD (%)

Net Tax Embed Cost Capital with STD (%)

Net Tax Embed Cost Capital without STD (%)

Annualized LTD Cost (\$M)

Annualized PFS Cost (\$M)

Annualized STD Cost (\$M)

Annualized Equity Cost (\$M)

[illegible]

2034 2035 2036 2037

[illegible]

Endpoint	Month	Generating unit	Variables/Year	2018
	1 Annual	Asbury 1	1 Unit Capacity (MW)	
	1 Annual	Iatan 1	2 Unit Capacity (MW)	
	1 Annual	Energy Center 1	Unit Capacity (MW)	
	1 Annual	Energy Center 2	Unit Capacity (MW)	
	1 Annual	Energy Center 3	Unit Capacity (MW)	
	1 Annual	Energy Center 4	Unit Capacity (MW)	
	1 Annual	Riverton 10	Unit Capacity (MW)	
	1 Annual	Riverton 11	1 Unit Capacity (MW)	
	1 Annual	Stateline CT1	Unit Capacity (MW)	
	1 Annual	Stateline CC1	Unit Capacity (MW)	
	1 Annual	Stateline CC2	Unit Capacity (MW)	
	1 Annual	Iatan 2	14 Unit Capacity (MW)	
	1 Annual	Plum Point 1	Unit Capacity (MW)	
	1 Annual	Riverton 12	1 Unit Capacity (MW)	
	1 Annual	Riv 12 CC	17 Unit Capacity (MW)	
	1 Annual	CC-2029	7 Unit Capacity (MW)	
	1 Annual	CC-2035	7 Unit Capacity (MW)	
	1 Annual	ELRIV PPA	M Unit Capacity (MW)	
	1 Annual	Merid Way	M Unit Capacity (MW)	
	1 Annual	Ozark Beach	M Unit Capacity (MW)	
	1 Annual	NEW S SOLAR	Unit Capacity (MW)	
	1 Annual	Reser ved	M Unit Capacity (MW)	
	1 Annual	29KSA Year 1-3	1 Unit Capacity (MW)	
	1 Annual	31KSA Year 1-3	1 Unit Capacity (MW)	
	1 Annual	29KSB Year 4-40	Unit Capacity (MW)	
	1 Annual	31KSB Year 4-40	Unit Capacity (MW)	
	1 Annual	Total Resources	Unit Capacity (MW)	

2019 2020 2021 2022 2023 2024 2025 2026 2027 2028

2029 2030 2031 2032 2033 2034 2035 2036 2037

Endpoint	Month	Generating unit	Variables/Year	2018	2019
	2 Annual	Asbury 1 1	Unit Capacity (MW)		
	2 Annual	Iatan 1 2	Unit Capacity (MW)		
	2 Annual	Energy Center 1 3	Unit Capacity (MW)		
	2 Annual	Energy Center 2 4	Unit Capacity (MW)		
	2 Annual	Energy Center 3 5	Unit Capacity (MW)		
	2 Annual	Energy Center 4 6	Unit Capacity (MW)		
	2 Annual	Riverton 10 9	Unit Capacity (MW)		
	2 Annual	Riverton 11 10	Unit Capacity (MW)		
	2 Annual	Stateline CT1 11	Unit Capacity (MW)		
	2 Annual	Stateline CC1 12	Unit Capacity (MW)		
	2 Annual	Stateline CC2 13	Unit Capacity (MW)		
	2 Annual	Iatan 2 14	Unit Capacity (MW)		
	2 Annual	Plum Point 1 15	Unit Capacity (MW)		
	2 Annual	Riverton 12 16	Unit Capacity (MW)		
	2 Annual	Riv 12 CC 17	Unit Capacity (MW)		
	2 Annual	CC-2035 77	Unit Capacity (MW)		
	2 Annual	Reser ved MP	Unit Capacity (MW)		
	2 Annual	Total Resources	Unit Capacity (MW)		
	2 Annual	CC-2026 68	Unit Capacity (MW)		
	2 Annual	CC-2033 75	Unit Capacity (MW)		

2020 2021 2022 2023 2024 2025 2026 2027 2028 2029

2030 2031 2032 2033 2034 2035 2036 2037