

Midcontinent Independent System Operator, Inc.

FERC FPA Electric Tariff

Tariff Title: FERC Electric Tariff

Effective 08/24/2019

Tariff Record Title: SCHEDULE 33-METC Formula Rate Template for Blackstart Resource

Service

Option Code: A

Schedule 33-METC

Blackstart Resource Service

Annual Revenue Requirement

Line #	<u>Fixed Costs:</u>				<u>Description</u>		Workpaper Reference
<b>Existing Generator Investment</b>							
1	MISO Cost of New Entry (CONE):	\$ -	per MW per year	(Note A)		For example, see ER18-2381 filed 9/5/2018	
2	Blackstart Resource Service Allocation Factor:	2.00%		(Note B)			
3	Net Dependable Generating Capacity:		MWs	(Note C)		Workpaper support as appropriate	
4	Fixed Cost of BSRU per year	\$ -	Line 1 times Line 2 times Line 3				
<b>Incremental Gross Plant Investment</b>							
5	Fuel Storage & Handling Systems	\$ -		(Note D)		Workpaper A	
6	Investment for Reliability Standards Compliance	\$ -		(Note E)		Workpaper B	
7	Total:	\$ -	Line 5 plus Line 6				
<b>Incremental Accumulated Provision for Depreciation</b>							
				(Note F)			
8	Fuel Storage & Handling Systems	\$ -				Workpaper A	
9	Investment for Reliability Standards Compliance	\$ -				Workpaper B	
10	Total:	\$ -	Line 8 plus Line 9				
<b>Net Incremental Plant Investment</b>							
11	Fuel Storage & Handling Systems	\$ -	Line 5 less Line 8				
12	Investment for Reliability Standards Compliance	\$ -	Line 6 less Line 9				
13	Total:	\$ -	Line 7 less Line 10				
<b>Other Rate Base Elements</b>							
14	Fuel Stock Inventory	\$ -	Account No. 151 (Note G)			Workpaper C	
15	Materials & Supplies Inventory	\$ -	Account No. 154 (Note H)			Workpaper D	
16	Total Incremental Rate Base	\$ -	Sum of Lines 13, 14, and 15				
<b>Capitalization</b>		<u>Amount (\$)</u>	<u>Percent</u>	<u>Cost Rate</u>	<u>Weighted Cost</u>		
17	Long Term Debt	\$ 5,880,452.00	47.06%	4.68%	2.202% =WCLTD (Note J)	Workpaper E	
17a	Preferred	\$ 37,315.00	0.30%	4.50%	0.013%	Workpaper E	
18	Equity	\$ 6,578,683.00	52.64%	10.00%	5.264% (Note J)	Workpaper E	
19	Total Capital	\$ 12,496,450.00	100.00%		7.480% = Rate of Return (Note J)		
20	Return on Incremental Investment	\$ -	Line 16 times Rate of Return (Note J)				
<b>Incremental Income Taxes</b>							
21	Federal Income Tax Rate	0.00%	(Note K)			Workpaper F	
22	State Income Tax Rate	0.00%	(Note L)			Workpaper G	
23	Composite Tax Rate	0.00%	FIT Rate + ((1-FIT Rate) * SIT Rate)				
24	Calculated Income Taxes:	\$ -	(Composite Income Tax Rate / 1-Composite Income Tax Rate)) * (Equity Component * Rate Base)				
25	Incremental Depreciation Expense	\$ -	(Note M)			Workpaper H	
26	Net Incremental Plant Revenue Requirement	\$ -	the sum of Lines 20, 24, and 25				
27	Total Fixed Costs:	\$ -	the sum of Line 4 and 26				
<b><u>Variable Costs:</u></b>							
28	Fuel Costs	\$ -	Account Nos. 501 and 547	(Note N)		Workpaper I	
28a	Less: Revenues from Blackstart (testing & restoration)	\$ -	Account No. 447	(Note N)		Workpaper I--enter negative	
	BSRU Operating and Maintenance Expenses						
29	Direct Labor	\$ -	(Note O)			Workpaper J	
30	Indirect Labor	\$ -	(Note P)			Workpaper K	
31	Consumables	\$ -	(Note Q)			Workpaper L	
32	Gross Receipts Tax	\$ -	(Note R)			Workpaper M	
33	Payroll Taxes	\$ -	(Note S)			Workpaper N	
34	Real Estate & Property Taxes	\$ -	(Note T)			Workpaper O	
35	Total:	\$ -				Sum(Line 28 thru Line 34)	
<b><u>Training &amp; Compliance Costs:</u></b>							
36	CIP Training Expense	\$ -	(Note U)			Workpaper P	
37	BSRU Testing Expense (excluding fuel consumed)	\$ -	(Note V)			Workpaper Q	
38	Software Upgrades & Maintenance Expense	\$ -	(Note W)			Workpaper R	
39	Other Compliance Requirements	\$ -	(Note X)			Workpaper S	
40	Total:	\$ -				Sum(Line 36 thru Line 39)	
41	Amortization of Unrecovered Net Incremental Plant (if any):	\$ -	(Note Y)			Workpaper T	
42	Annual Revenue Requirement (sum of Lines 27, 35, 40 and 41)	\$ -					
<b><u>True-up</u></b>							
43	Amount of Annual Revenue requirement overcollected from prior rate period	\$ -				Workpaper support as appropriate	
44	(Subtract amount on line 43 from amount on line 42)	\$ -					
45	Amount of Annual Revenue Requirement undercollected from prior rate period	\$ -				Workpaper support as appropriate	
46	(Add amounts on Lines 42 and 45)	\$ -					
47	Total Annual Revenue Requirement (either line 44 or line 46)	\$ -					

Note: Items in yellow to be completed by BSU owner

Schedule 33-METC  
Blackstart Resource Service  
Notes

Line No.	Notes:	
1	A	The MISO Cost of New Entry (CONE) shall be the latest such number accepted for filing or approved by FERC at the time the Blackstart Resource Service Agreement is filed.
2		The definition is contained in the MISO Tariff, Module A, Section 1.103. The CONE shall be fixed for the duration of the Blackstart Resource METC Attachment NN Agreement.
3		This item cannot be changed without a Section 205 or Section 206 filing.
4	B	The Blackstart Resource Service Allocation Factor shall be 2% for all Blackstart Resources, except hydroelectric units, which shall be one percent (1%).
5		This item cannot be changed without a Section 205 or Section 206 filing.
6	C	Net Dependable Generating Capacity shall mean the net generating capacity of each generating unit at the Point of Interconnection as set forth in any Generator Interconnection Agreement
7		or as used by MISO in any Studies performed under Attachment X of the Tariff, or as otherwise determined by the MISO. This value shall also be listed in Attachment A to the METC Attachment
8		NN, and shall not increase during the term of the service agreement.
9	D	Fuel Storage & Handling System capital additions shall include any incremental on-site capital investment in assets required to feed fuel to the Blackstart Resource, as booked to
10		FERC Accounts 312 and/or 342 and applicable footnotes for such accounts, as shown in the FERC Form 1.
11	E	Investment for Reliability Standard Compliance shall include the capital costs incurred for any mandatory reliability standard compliance, including, but not limited to, compliance with
12		critical infrastructure protection improvements, modifications or additions to the Blackstart Resource necessitated by such compliance. Such amounts will be booked to FERC Account
13		Nos. 101, 315, 316, 345 or 346 and reflected in applicable footnotes, as required in Order No. 715. Examples include, without limitation, computer/cyber systems for power plant control
14		systems and associated communications systems, RTUs, relay upgrades, diesel generators with support systems, redundant equipment or systems as required to assure reliability, dual-fuel
15		capability additions not included in "Fuel Storage & Handling Systems", battery systems, and ignition systems, additions to physical and electronic security upgrades, computer cyber systems
16		for maintaining and monitoring physical and electronic perimeters, and housing units for controls and equipment. For purposes of this calculation, this item shall have the meaning contained
17		in the Midwest ISO Tariff, Module A, "Blackstart Equipment."
18	F	For Blackstart Resource owners that already have Commission-approved depreciation rates, such depreciation rates may be used in the formula rate template.
19		For Blackstart Resource owners that do not currently have Commission-approved depreciation rates, suitable support must be provided for the proposed depreciation rates.
20		The depreciation rates may thereafter only be changed through a Section 205 or Section 206 filing.
21	G	Fuel Stock Inventory is the fuel stock that is expressly required for Blackstart Resource service, as provided for in the METC Service Agreement, Attachment NN, and as booked to
22		FERC Account No. 151, and as reflected in an applicable footnote to such account, as shown in the FERC Form 1.
23	H	Materials and Supplies Inventory includes the cost of materials necessary for operation and maintenance to ensure the provision of Blackstart Resource Service. Blackstart Resource owner
24		shall demonstrate in a workpaper the appropriate allocation of amounts.
25	I	(this note left blank for future use)
26	J	See Workpaper E. At the time an initial Schedule 33 - METC Formula Rate Template is prepared and filed with the Commission under Section 205 of the Federal Power Act, the Blackstart Resource owner shall
27		provide such information as is necessary to establish the amounts set forth on lines 17 through 19 of the Formula Rate Template relating to its proposed capital structure, rate of return on common
28		equity, cost of preferred, and cost of debt for the incremental capital investment. Once accepted by the Commission, the amounts set forth shall not be changed except in accordance with Sections
29		205 or 206 of the Federal Power Act and shall be used in each annual determination of the Blackstart Resource owner's revenue requirement for the duration of the Attachment NN Agreement.
30	K	The Federal Income Tax rate shall be that rate effective for such calendar year used to determine each annual revenue requirement. Should the FIT rate be changed in mid-year, the rate shall
31		be appropriately prorated.
32	L	The state income tax rate shall be the effective corporate rate for the state in which the Blackstart Resource is physically located. Should the SIT rate be changed in mid-year, the rate shall be
33		appropriately prorated.
34	M	See Note F. Incremental Depreciation Expense is the amount associated with the investment found at Line 7, booked to FERC Account No. 403, and as reflected in an applicable footnote, as
35		required in Order No. 715. If the Blackstart Resource owner is not a public utility, it shall propose depreciation rates for each class of asset used in the provision of Blackstart Resource Service.
36		Such proposal must provide suitable support. Depreciation rates by FERC account number shall be included in workpapers supporting this Note M and Line 25.
37	N	Fuel Costs are the amounts booked to FERC Account Nos. 501 and 547 attributable to Blackstart Resource Service, and as reflected in the applicable footnote to such accounts. Fuel costs are
38		limited to those incurred to ensuring reliable operation, testing, training or system restoration purposes. Further, fuel costs shall be credited with revenues received from such generation.
39	O	Direct Labor shall have the meaning used in FERC Account Nos. 500-508, 510-515, 541-546, 548, 549, and 551-554.
40	P	Indirect Labor means supervision expenses, as that term is meant in FERC Account Nos. 500, 510, 541, and 551.
41	Q	Consumables shall mean those incidental materials and supplies expended as necessary in testing, operating, maintaining or providing Blackstart Resource Service.
42	R	Gross Receipts Taxes shall have the meaning used in 18 CFR 35.13(d), Statement AK (A), and shall be applicable only to the provision of Blackstart Resource Service and shall be clearly defined
43		in supporting workpapers, with appropriate exclusions and exemptions as provided by law.
44	S	Payroll Taxes shall have the meaning used in 18 CFR 35.13(d), Statement AK(C), and shall be identified by individual Federal and state levy.
45	T	Real Estate & Property Taxes shall have the meaning used in 18 CFR 35.13(d), Statement AK (B), and shall be identified by taxing authority.
46		This line left blank.
47	U	CIP Training Expense shall be comprised of those recurring annual expenses incurred by the Blackstart Resource owner to ensure that personnel are competent and proficient in their NERC
48		responsibilities to carry out Blackstart Resource Service, in accordance with section 3 of Schedule 33-METC. This line may include the reasonable cost of developing such training programs.
49		Items included to comply with NERC reliability standards should include in a worksheet the requirement(s) to which they comply.
50	V	Blackstart Resource Testing Expense shall be comprised of those recurring expenses incurred in ensuring that the Blackstart Resource is capable of providing Blackstart Resource Service, in
51		accordance with Schedule 33-METC. This line shall not include fuel expenses.
52	W	Software Upgrades and Maintenance Expenses shall be comprised of those periodic annual expenses of procuring, testing, implementing, and updating equipment to enable compliance with
53		mandatory reliability standards for Blackstart Resource Service. This item shall not contain labor expense found at Lines 29-30. This category may include, without limitation, contracts and
54		annual fees to suppliers of computer/cyber systems for monitoring physical and electrical perimeters and power plant control systems, including modifications or upgrades if not capitalized.
55		Items included to comply with NERC reliability standards should include in a worksheet the requirement(s) to which they comply.
56	X	Other Compliance Requirements shall be those annual expenses not otherwise identified in Schedule 33-METC that are demonstrably required to meet NERC reliability standards.
57		Examples include, without limitation, compliance reporting, certification and documentation with Blackstart Resource Service. Items included to comply with NERC reliability standards
58		should include in a worksheet the requirement(s) to which they comply.
59	Y	Amortization of Unrecovered Net Incremental Plant shall recover, on a straight-line basis over ten years, the unamortized incremental investment made to adapt and
60		maintain a Blackstart Resource in fulfillment of mandatory reliability standards. The original unamortized incremental investment may not be increased without a Section 205 filing.

**Schedule 33-METC Formula Rate Template**  
**Blackstart Resource Service**  
**Workpaper Index**

<u>Line No.</u>	<u>Workpaper Reference</u>	<u>Formula Rate Template Line No.</u>	<u>Line Description</u>	<u>Account Number</u>	<u>End Note Reference</u>
1	A	5,8	Fuel Storage & Handling Systems	Various	D
2	B	6,9	Investment for Reliability Standards Compliance	Various	E
3	C	14	Fuel Stock Inventory	151	G
4	D	15	Materials & Supplies Inventory	154	H
5	E	17-19	Cost of Capital	Various	J
6	F	21	Federal Income Tax Rate	409	K
7	G	22	State Income Tax Rate	409	L
8	H	25	Incremental Depreciation Expense	Various	M
9	I	28	Fuel Costs	501, 547	N
10	J	29	Direct Labor	Various	O
11	K	30	Indirect Labor	Various	P
12	L	31	Consumables	Various	Q
13	M	32	Gross Receipts Tax	408	R
14	N	33	Payroll Taxes	408	S
15	O	34	Real Estate & Property Taxes	408	T
16	P	36	CIP Training Expense	Various	U
17	Q	37	BSRU Testing Expense (excluding fuel consumed)	Various	V
18	R	38	Software Upgrades & Maintenance Expense	Various	W
19	S	39	Other Compliance Requirements	Various	X
20	T	41	Amortization of Unrecovered Net Incremental Plant	Various	Y

Schedule 33-METC Formula Rate Template  
Blackstart Resource Service  
Workpaper A - Lines 5 & 8  
Fuel Storage & Handling Systems  
(see End Note D)

Line No.	(A)	(B)	(C)	(D)	(E)
	===== Gross Plant =====				=====
		Total Company	Blackstart		
	<u>Description &amp; Account</u>	<u>Cost</u>	<u>Cost</u>	<u>FERC Form 1 Reference</u>	<u>Justification &amp; Allocation</u>
1	Item1	\$ -	\$ -		
2	Item2	\$ -	\$ -		
3	Item3	\$ -	\$ -		
4	Item4	\$ -	\$ -		
5	Item5	\$ -	\$ -		
6	Total:	\$ -	\$ -		(copy to Line 5)
	===== Accumulated Provision For Depreciation =====				=====
		Total Company	Blackstart		
	<u>Description &amp; Account</u>	<u>Cost</u>	<u>Cost</u>	<u>FERC Form 1 Reference</u>	<u>Justification &amp; Allocation</u>
7	Item1	\$ -	\$ -		
8	Item2	\$ -	\$ -		
9	Item3	\$ -	\$ -		
10	Item4	\$ -	\$ -		
11	Item5	\$ -	\$ -		
12	Total:	\$ -	\$ -		(copy to Line 8)

Schedule 33-METC Formula Rate Template

Blackstart Resource Service

Workpaper B - Lines 6 & 9

Investment for Reliability Standards Compliance

(see End Note E)

===== Gross Plant =====					
Line No.	(A)	(B)	(C)	(D)	(E)
	Description & FERC Account No.	Total Company Cost	Blackstart Amount	FERC Form 1 Reference	Justification & Allocation
1	Item1	\$ -	\$ -		
2	Item2	\$ -	\$ -		
3	Item3	\$ -	\$ -		
4	Item4	\$ -	\$ -		
5	Item5	\$ -	\$ -		
6	Item6	\$ -	\$ -		
7	Item7	\$ -	\$ -		
8	Item8	\$ -	\$ -		
9	Item9	\$ -	\$ -		
10	Item10	\$ -	\$ -		
11	Item11	\$ -	\$ -		
12	Total:	\$ -	\$ -	(copy to Line 6)	

===== Accumulated Provision For Depreciation =====					
	(A)	(B)	(C)	(D)	(E)
	Description & FERC Account No.	Total Company Cost	Blackstart Amount	FERC Form 1 Reference	Justification & Allocation
13	Item1				
14	Item2				
15	Item3				
16	Item4				
17	Item5				
18	Item6				
19	Item7				
20	Item8				
21	Item9				
22	Item10				
23	Item11				
24	Total:	\$ -			(copy to Line 9)

**Schedule 33-METC Formula Rate Template**

**Blackstart Resource Service**

**Workpaper C - Line 14**

**Fuel Stock Inventory - Account 151**

*(see End Note G)*

<u>Line No.</u>	(A) <u>Description</u>	(B) <u>Cost</u>	(C) <u>Justification</u>
1	Item1	\$ -	
2	Item2	\$ -	
3	Item3	\$ -	
4	Item4	\$ -	
5	Total:	\$ -	<i>(copy to Line 14)</i>

*Calculation will be in accordance with Section 7(d) of Attachment A to the Service Agreement*

**Schedule 33-METC Formula Rate Template**  
**Blackstart Resource Service**  
**Workpaper D - Line 15**  
**Materials & Supplies Inventory - Account 154**  
**(see End Note H)**

(A)		(B)	(C)
<u>Line No.</u>	<u>Description</u>	<u>Cost</u>	<u>Justification</u>
1	Item1	\$ -	
2	Item2	\$ -	
3	Item3	\$ -	
4	Item4	\$ -	
5	Item5	\$ -	
6	Item6	\$ -	
7	Item7	\$ -	
8	Item8	\$ -	
9	Item9	\$ -	
10	Item10	\$ -	
11	Item11	\$ -	
12	Item12	\$ -	
13	Item13	\$ -	
14	Item14	\$ -	
15	Item15	\$ -	
16	Total:	\$ -	(copy to Line 15)



Schedule 33-METC Formula Rate Template  
Blackstart Resource Service  
Workpaper E - Lines 17-19  
Cost of Capital  
(see End Note J)

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(A)		(B)	(C)	(D)	(E)	(F)
Line No.	Source of Capital	FERC Form 1 Reference	Dollars	Percent of Capitalization	Cost Rate	Weighted Cost
1	Long Term Debt	Page 112, Column C, sum of Lines 18 through 21	\$ 5,880,452.00	47.06%	4.68%	2.202%
2	Preferred Stock	Page 112, Column C, Line 3	\$ 37,315.00	0.30%	4.50%	0.013%
3	Total Proprietary Capital	Page 112, Column C, Line 16	\$ 6,578,683.00			
4		Less: Preferred Stock, Page 112, Column C, Line 3	\$ -			
5		Less: Account 216.1 Page 112, Column C, Line 12	\$ -			
6		Less: Account 219, Page 112, Column C, Line 15	\$ -			
7	Total Common Equity:	(Line 3-Line 4-Line 5-Line 6)	\$ 6,578,683.00	52.64%	10.00%	5.264%
8	Total Capital:	(Line 1+Line 2+Line 7)	\$ 12,496,450.00	100.00%		7.480%

Based on the return on equity, cost of long term debt, cost of preferred, and capital structure approved by the Michigan Public Service Commission ("MPSC") for Consumers Energy Company on March 29, 2018 in MPSC case No. U-18322 at page 46 (<https://mi-psc.force.com/sfc/servlet.shepherd/version/download/068t0000002283XAAQ>), a Blackstart Resource owner in the METC footprint will use a return on equity of ten percent, a cost of long term debt of 4.68%, a cost of preferred of 4.50%, and a 47.06/0.30/52.64% debt-preferred-common equity capital structure. Once accepted by the Commission, the amounts set forth above shall not be changed except in accordance with Sections 205 or 206 of the Federal Power Act and shall be used in each annual determination of the Blackstart Resource owner's revenue requirement for the duration of the METC Attachment NN Agreement.

**Schedule 33-METC Formula Rate Template**

**Blackstart Resource Service**

**Workpaper F - Line 21**

**Federal Income Tax Rate**

*(see End Note K)*

<u>Line No.</u>	Description	Rate
1		
2		
3		
4		
5		

**Schedule 33-METC Formula Rate Template**

**Blackstart Resource Service**

**Workpaper G - Line 22**

**State Income Tax Rate**

*(see End Note L)*

<u>Line No.</u>	Description	Rate
1		
2		
3		
4		
5		

Schedule 33-METC Formula Rate Template  
Blackstart Resource Service  
Workpaper H - Line 25  
Incremental Depreciation Expense  
(see End Note M)

Line No.	(A) Description & FERC Account Number	(B) Cost	(C) Life (years)	(D) Depreciation Rate	(E) Justification and Allocation	(F) FERC Docket No. Approval
1	Item1	\$	-	0		
2	Item2	\$	-	0		
3	Item3	\$	-	0		
4	Item4	\$	-	0		
5	Total:	\$	-		(copy to Line 25)	

**Schedule 33-METC Formula Rate Template**  
**Blackstart Resource Service**  
**Workpaper I - Line 28**  
**Fuel Costs**  
**(see End Note N)**

Line No.	(A) <u>Description</u>	(B) <u>Cost</u>	(C) <u>Justification</u>
1	Item1	\$ -	
2	Item2	\$ -	
3	Item3	\$ -	
4	Item4	\$ -	
5	Total:	\$ -	(copy to Line 28)

*Note: Indicate whether amounts relate to Account 501 or Account 547*

	Less: Fuel Cost Recovered	<u>Revenues</u>	(Account 447)
6	Item1	\$ -	
7	Item2	\$ -	
8	Item3	\$ -	
9	Item4	\$ -	
10	Total:	\$ -	(copy to Line 28A)

Schedule 33-METC Formula Rate Template  
Blackstart Resource Service  
Workpaper J - Line 29  
Direct Labor  
(see End Note O)

Line No.	(A) Description & Account	(B) Cost	(C) Justification
1	Account 500 - Operation Supervision & Engineering	\$ -	
2	Account 501 - Fuel	\$ -	
3	Account 502 - Steam Expenses	\$ -	
4	Account 503 - Steam from Other Sources	\$ -	
5	Account 504 - Steam Transferred (Credit)	\$ -	
6	Account 505 - Electric Expenses	\$ -	
7	Account 506 - Miscellaneous Steam Power Expenses	\$ -	
8	Account 507 - Rents	\$ -	
9	Account 508 - Operation Supplies & Expenses	\$ -	
10	Account 510 - Maintenance Supervision & Engineering	\$ -	
11	Account 511 - Maintenance of Structures	\$ -	
12	Account 512 - Maintenance of Boiler Plant	\$ -	
13	Account 513 - Maintenance of Electric Plant	\$ -	
14	Account 514 - Maintenance of Miscellaneous Steam Plant	\$ -	
15	Account 515 - Maintenance of Steam Production Plant	\$ -	
16	Account 541 - Maintenance Supervision & Engineering	\$ -	
17	Account 542 - Maintenance of Structures	\$ -	
18	Account 543 - Maintenance of reservoirs, Dams & Waterways	\$ -	
19	Account 544 - Maintenance of Electric Plant	\$ -	
20	Account 545 - Maintenance of Miscellaneous Hydraulic Plant	\$ -	
21	Account 546 - Operation Supervision & Engineering	\$ -	
22	Account 548 - Generation Expenses	\$ -	
23	Account 549 - Miscellaneous Other Power Generation Expenses	\$ -	
24	Account 551 - Maintenace Supervision & Engineering	\$ -	
25	Account 552 - Maintenace of Structures	\$ -	
26	Account 553 - Maintenance of Generating & Electric Equipment	\$ -	
27	Account 554 - Maintenance of Miscellaneous Other Power Generation Plant	\$ -	
28	Total:	\$ - (copy to Line 29)	

Schedule 33-METC Formula Rate Template  
Blackstart Resource Service  
Workpaper K - Line 30  
Indirect Labor  
(see End Note P)

Line No.	(A) Description & Account	(B) Cost	(C) Justification
1	Account 500 - Operation Supervision & Engineering	\$ -	
2	Account 510 - Maintenance Supervision & Engineering	\$ -	
3	Account 541 - Maintenance Supervision & Engineering	\$ -	
4	Account 551 - Maintenace Supervision & Engineering	\$ -	
5	Total:	\$ -	(copy to Line 30)

**Schedule 33-METC Formula Rate Template**

**Blackstart Resource Service**

**Workpaper L - Line 31**

**Consumables**

*(see End Note Q)*

<u>Line No.</u>	<u>(A)</u> <u>Description &amp; Account</u>	<u>(B)</u> <u>Cost</u>	<u>(C)</u> <u>Justification</u>
1	Item1		
2	Item2		
3	Item3		
4	Item4		
5	Item5		
6	Item6		
7	Item7		
8	Item8		
9	Item9		
10	Item10		
11	Item11		
12	Item12		
13	Item13		
14	Item14		
15	Item15		
16	Total:	\$ -	<i>(copy to Line 31)</i>



	(A)	(B)	(C)
<u>Line No.</u>	<u>Description</u>	<u>Cost</u>	<u>Justification</u>
1	Item1		
2	Item2		
3	Item3		
4	Item4		
5	Total:	\$ -	(copy to Line 32)

Schedule 33-METC Formula Rate Template  
Blackstart Resource Service  
Workpaper N - Line 33  
Payroll Taxes  
(see End Note S)

<u>Line No.</u>	<u>Description</u>	(A)	(B) <u>Cost</u>	(C) <u>Justification</u>
1	Item1			
2	Item2			
3	Item3			
4	Item4			
5	Total:		\$ -	(copy to Line 33)

**Schedule 33-METC Formula Rate Template**  
**Blackstart Resource Service**  
**Workpaper O - Line 34**  
**Real Estate & Property Taxes**  
**(see End Note T)**

<u>Line No.</u>	<u>Description</u>	(A)	(B) <u>Cost</u>	(C) <u>Justification</u>
1	Item1			
2	Item2			
3	Item3			
4	Total:		\$ -	(copy to Line 34)

Schedule 33-METC Formula Rate Template  
Blackstart Resource Service  
Workpaper P - Line 36  
CIP Training Expenses  
(see End Note U)

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	(A)	(B)	(C)	(D)	(E)	(F)	
						Total	
Line No.	Description	Job Title	Wage	Number of Hours	Benefits	Wages & Benefits	Sources
1	Person1					\$ -	
2	Person2					\$ -	
3	Person3					\$ -	
4	Person4					\$ -	
5	Person5					\$ -	
6	Person6					\$ -	
7	Total:					\$ -	(copy to Line 36)
8	Average:						

**Schedule 33-METC Formula Rate Template**  
**Blackstart Resource Service**  
**Workpaper Q - Line 37**  
**Blackstart Resource Testing Expenses**  
**(see End Note V)**

<u>Line No.</u>	<u>(A)</u> <u>Description &amp; Account Number</u>	<u>(B)</u> <u>Cost</u>	<u>(C)</u> <u>Justification</u>
1	Item1		
2	Item2		
3	Item3		
4	Item4		
5	Total:	\$ -	(copy to Line 41)

*Note: Testing Expenses do not include fuel expenses*

**Schedule 33-METC Formula Rate Template**  
**Blackstart Resource Service**  
**Workpaper R - Line 38**  
**Software Upgrades & Maintenance Expenses**  
**(see End Note W)**

<u>Line No.</u>	<u>(A)</u> <u>Description &amp; Account Number</u>	<u>(B)</u> <u>Cost</u>	<u>(C)</u> <u>Justification</u>
1	Item1		
2	Item2		
3	Item3		
4	Item4		
5	Total:	\$ -	(copy to Line 38)

**Schedule 33-METC Formula Rate Template**  
**Blackstart Resource Service**  
**Workpaper S - Line 39**  
**Other Compliance Requirements**  
**(see End Note X)**

<u>Line No.</u>	<u>(A)</u> <u>Description &amp; Account No.</u>	<u>(B)</u> <u>Cost</u>	<u>(C)</u> <u>Justification</u>
1	Item1		
2	Item2		
3	Item3		
4	Item4		
5	Item5		
6	Item6		
7	Item7		
8	Total:	\$ -	(copy to Line 39)

Schedule 33-METC Formula Rate Template  
Blackstart Resource Service  
Workpaper T - Line 41  
Amortization of Unrecovered Net Incremental Plant  
(see End Note Y)

Part A

Line No.	(A)	(B)	(C)	(D)
	Description	Annual Amortization	Justification	Date of Removal from System Restoration Plan
1	Item1	\$ -		
2	Item2	\$ -		
3	Item3	\$ -		
4	Item4	\$ -		
5	Item5	\$ -		
6	Item6	\$ -		
7	Item7	\$ -		
8	Item8	\$ -		
9	Item9	\$ -		
10	Item10	\$ -		
11	Item11	\$ -		
12	Total:	\$ -	(Copy to Line 41)	

Part B

Unrecovered Balance at End of Year

	<u>Initial Unrecovered Balance:</u>	\$ -
13	Year One Amortization	\$ -
14	Year Two Amortization	\$ -
15	Year Three Amortization	\$ -
16	Year Four Amortization	\$ -
17	Year Five Amortization	\$ -
18	Year Six Amortization	\$ -
19	Year Seven Amortization	\$ -
20	Year Eight Amortization	\$ -
21	Year Nine Amortization	\$ -
22	Year Ten Amortization	\$ -

Each item of Unrecovered Plant shall be listed separately in Part A and each of these items shall also be shown separately in Part B. An amortizarion schedule for each item shall be shown in Part B identifying remaining unamortized amounts.