# BEFORE THE PUBLIC SERVICE COMMISSION OF THE STATE OF MISSOURI

In the Matter of the Application of	)	
KCP&L Greater Missouri Operations Company	)	
For Approval of a Special Rate for a Facility	)	File No. EO-2019-0244
Whose Primary Industry is the Production or	)	
Fabrication of Steel in or Around Sedalia, Missou	ri.)	

#### NON-UNANIMOUS STIPULATION AND AGREEMENT

COME NOW KCP&L Greater Missouri Operations Company ("GMO" or "Company"), the Staff ("Staff") for the Missouri Public Service Commission ("Commission"), Nucor Steel Sedalia, LLC ("Nucor"), (collectively, "Signatories") by and through their respective counsel, and for their Non-Unanimous Stipulation and Agreement ("Stipulation"), respectfully state to the Commission:

#### **BACKGROUND**

- 1. On July 12, 2019, GMO filed its Application requesting Commission authority for a special incremental load rate for a steel production facility in Sedalia, Missouri, along with direct testimony in support.
  - 2. On July 22, 2019, Midwest Energy Consumers Group ("MECG") intervened.
  - 3. On July 31, 2019, Nucor Steel Sedalia, LLC ("Nucor") intervened.
- 4. The Signatories agree to the following terms and conditions regarding the Application and the approval of the special incremental load rate.

#### **AGREEMENTS**

5. **Contract** – The Signatories agree that the Commission should approve the Contract between GMO and Nucor, attached to the Direct Testimony of Darrin Ives as Confidential Schedule DRI-2.

- 6. **Special Incremental Load Tariff** The Signatories agree that the Special Incremental Load ("SIL") tariff attached to the Direct testimony of Darrin Ives as DRI-2, as modified and attached as Exhibit 4 to this Stipulation, should be approved by the Commission and become effective no later than January 1, 2020. Service under the SIL tariff has a term of no greater than 10 years. If an extension to the service of Nucor pursuant to the SIL tariff is not approved by the Commission, the Company will request Commission approval to serve all of GMO's retail customers with the associated wind energy used to serve Nucor and for the related costs for that wind to be recovered by the Company through its Fuel Adjustment Clause, or sell the associated wind energy to a customer or customers who wish to purchase the renewable energy resource directly. This agreement is not evidence of the prudency of GMO's or an affiliate's entry into any PPA.
- 7. **Cost and Revenue Tracking** GMO will monitor and report to Staff and OPC whether the revenues received under the special contract rate cover the incremental cost of providing service to Nucor. This reporting will be submitted quarterly for the first year following the effective date of the SIL tariff and the associated contract with Nucor, bi-annually for the second and third year, and annually thereafter. The Company will solicit feedback from Staff and the Office of Public Counsel up to and including meetings to evaluate and assess the content of the reports and any changes that may be needed to Exhibit 1 as a result of that feedback. The reporting will be submitted within 15 days after each of Evergy's SEC 10-Q or 10-K filings are made and will detail Nucor-related transactions on a rolling twelve-month basis. GMO will uniquely identify and track for reporting and general rate case purposes all incremental costs

associated with serving Nucor<sup>1</sup>. An example of the anticipated reporting format is provided in Exhibit 1 to this Stipulation.

- a. GMO will identify and isolate the plant costs to provide service to Nucor.
- b. GMO will identify and isolate supply costs attributable to Nucor. At this time these costs are expected to consist of:
  - i. energy as obtained through the SPP integrated marketplace including applicable ancillary services and transmission costs, and all transactions associated with the renewable supply source obtained via a Power Purchase Agreement ("PPA").
  - ii. Incremental capacity costs acquired from third parties, including affiliates, will be determined annually in the assessment of GMO capacity requirements. The portion of GMO capacity acquired attributable to Nucor will be separately identified for inclusion in Exhibit 1. Similarly, if GMO constructs or acquires capacity during the term of the contract rather than purchasing capacity, or otherwise modifies its capacity source, capacity costs to Nucor will be calculated annually using prices as follows and be separately identified for inclusion in Exhibit 1. The accredited capacity attributable to Nucor's share of the PPA, will be netted against the capacity requirements of the Nucor load, including the SPP reserve margin requirements, prior to pricing as described above for inclusion in Exhibit 1.

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<sup>&</sup>lt;sup>1</sup> As provided for in Exhibit 1.

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- c. GMO will modify its Fuel Adjustment Clause ("FAC") accounting to ensure Nucor-related costs are not included in the FAC charge recovered from other customers. Exhibit 2 to this Stipulation details the expected modifications, including:
  - i. **Power Purchase Agreement Cost** Costs to follow conventional PPA accounting, with Nucor portion tracked separately from other PPA transactions completed by the Company. Costs to be recorded to a SIL-specific 555 subaccount and identifiable to Nucor. These costs will be specifically identified in the FAC monthly reports submitted to the Commission.
  - ii. **Production Market Cost** Revenue from the sale of the energy from the PPA will be tracked in a separate SIL-specific 447 subaccount and identifiable to Nucor. These revenues will be specifically identified in the FAC monthly reports submitted to the Commission. The net effect of the sale of PPA purchase and the



Nucor load are to be recorded within the SIL-specific 447 and 555 subaccounts and identifiable to Nucor.

the associated Southwest Power Pool ("SPP") sale or purchase transactions and are to be recorded within SIL-specific 561, 565, and 575 subaccounts and identifiable to Nucor and created for the purpose of tracking these costs. These costs will be specifically identified in the FAC monthly reports submitted to the Commission.

Load purchased for Nucor will be calculated at the five minute level, aggregated to the hour as demonstrated in Exhibit 3. Based upon GMO load node locational marginal price.

d. GMO will monitor Nucor operations and will identify additional SPPrelated costs resulting from unexpected operational events. If actual Nucor
load experiences a 25% deviation from the expected Nucor load for more
than 4 hours and that load change is not reflected in the GMO day-ahead
commitments, GMO will quantify the balancing relationship between the
hourly and day-ahead prices to identify the effect of the unplanned load
change to apportion any additional SPP balancing charges and will
incorporate the effect attributed to Nucor into the tracking of Nucor costs.

If the effect of this relationship increases costs to non-Nucor customers, the
amount will be reflected in a subsequent FAC rate change filing and the
portion attributed to Nucor will be identified with supporting work papers

and removed from the Actual Net Energy Cost prior to the calculation of the FAC rates.

For any incremental Nucor costs not specifically listed in Exhibit 1, including GMO internal costs attributal to Nucor, the costs will be uniquely recorded after they are incurred consistent with the cause of the cost and identified as contingency cost category within Exhibit 1.

- 8. **Ratemaking Treatment** At the time of a general rate proceeding the portion of GMO's revenue requirement associated with the incremental costs net of PPA net revenues to serve Nucor consistent with Exhibit 1 shall be assigned to Nucor. Nucor's rate revenues shall be reflected in GMO's net revenue requirement. If Nucor's revenues do not exceed Nucor's costs as reflected in the revenue requirement calculation through the true-up period, GMO will make an additional revenue adjustment covering the shortfall to the revenue requirement calculation through the true-up period, to ensure that non-Nucor GMO customers will be held harmless from such effects from the Nucor service. In no event shall any revenue deficiency (that is, a greater amount of Nucor incremental costs compared to Nucor revenues) be reflected in GMO's cost of service in each general rate proceeding for the duration of Nucor service during the terms of the contract between GMO and Nucor (Confidential Schedule DRI-2 of GMO witness Darrin Ives).
- 9. **Section 393.1655 RSMo. treatment** The Signatories agree that because Nucor's rate will be fixed for ten years and because the incremental cost to serve Nucor will be excluded from the revenue requirement of other customers: (1) Nucor's average rate and kilowatt hours usage shall not be included in the rate limitation calculations performed under section 393.1655 RSMo.; (2) Nucor's rate shall not be affected by the rate limitation provisions of 393.1655

RSMo.; and (3) Nucor shall not be considered to be, in whole or in part, a member of GMO's large power service rate class under section 393.1655.7(4) RSMo.

- 10. **Operational Communications** Under the terms of the contract between GMO and Nucor (Confidential Schedule DRI-2), Nucor is obligated to notify GMO of planned outages, including maintenance outages, to a designated representative (section 4.3). Nucor is also obligated under the contract to notify GMO of any changes or additions of equipment or operations that would result in a material changes to the Nucor facility's peak demand that could impact GMO's transmission system (section 4.4). GMO has designated and will retain for the duration of service to Nucor a Customer Solutions Manager to Nucor to receive these notices. Nucor commits to providing the above notifications and coordinating with GMO to execute planned outages to minimize the impact on the GMO system.
- 11. **Future Commission proceedings** Neither the Commission, Staff, OPC nor any other party shall be prejudiced, bound by, or in any way limited in litigating the allocation, tracking, or treatment of costs or revenues associated with serving Nucor under this Stipulation and Agreement in future FAC filings and general rate proceedings before the Commission. See section 13 in General Provisions below.

#### **GENERAL PROVISIONS**

- 12. Contingent upon Commission approval of this Stipulation without modification, the Signatories hereby stipulate to the admission into the evidentiary record of the testimony of their witnesses, and the witnesses of the parties who do not oppose this Stipulation, on the issues that are resolved by this Stipulation.
- 13. This Stipulation is being entered into solely for the purpose of settling the issues/adjustments in this case explicitly set forth above. Unless otherwise explicitly provided

herein, none of the Signatories to this Stipulation shall be deemed to have approved or acquiesced in any ratemaking or procedural principle, including, without limitation, any cost of service methodology or determination, method of cost determination or cost allocation or revenue-related methodology.

- 14. This Stipulation is a negotiated settlement. Except as specified herein, the Signatories to this Stipulation shall not be prejudiced, bound by, or in any way affected by the terms of this Stipulation: (a) in any future proceeding; (b) in any proceeding currently pending under a separate docket; and/or (c) in this proceeding should the Commission decide not to approve this Stipulation, or in any way condition its approval of same. No Signatory shall assert the terms of this agreement as a precedent in any future proceeding.
- 15. This Stipulation has resulted from extensive negotiations among the Signatories, and the terms hereof are interdependent. If the Commission does not approve this Stipulation unconditionally and without modification, then this Stipulation shall be void and no Signatory shall be bound by any of the agreements or provisions hereof.
- 16. This Stipulation embodies the entirety of the agreements between the Signatories in this case on the issues addressed herein, and may be modified by the Signatories only by a written amendment executed by all of the Signatories.
- 17. If approved and adopted by the Commission, this Stipulation shall constitute a binding agreement among the Signatories. The Signatories shall cooperate in defending the validity and enforceability of this Stipulation and the operation of this Stipulation according to its terms.
- 18. If the Commission does not approve this Stipulation without condition or modification, and notwithstanding the provision herein that it shall become void, (1) neither this

Stipulation nor any matters associated with its consideration by the Commission shall be considered or argued to be a waiver of the rights that any Signatory has for a decision in accordance with RSMo. \$536.080 or Article V, Section 18 of the Missouri Constitution, and (2) the Signatories shall retain all procedural and due process rights as fully as though this Stipulation had not been presented for approval, and any suggestions, memoranda, testimony, or exhibits that have been offered or received in support of this Stipulation shall become privileged as reflecting the substantive content of settlement discussions and shall be stricken from and not be considered as part of the administrative or evidentiary record before the Commission for any purpose whatsoever.

19. If the Commission accepts the specific terms of this Stipulation without condition or modification, only as to the issues in these cases explicitly set forth above, the Signatories each waive their respective rights to present oral argument and written briefs pursuant to RSMo. \$536.080.1, their respective rights to the reading of the transcript by the Commission pursuant to \$536.080.2, their respective rights to seek rehearing pursuant to \$536.500, and their respective rights to judicial review pursuant to \$386.510. This waiver applies only to a Commission order approving this Stipulation without condition or modification issued in this proceeding and only to the issues that are resolved hereby. It does not apply to any matters raised in any prior or subsequent Commission proceeding nor any matters not explicitly addressed by this Stipulation.

**WHEREFORE**, the Signatories respectfully request the Commission to issue an order in this case approving the Stipulation subject to the specific terms and conditions contained therein.

#### Respectfully submitted,

## s Roger W. Steiner

Robert J. Hack, #36496 Roger W. Steiner, #39586

Kansas City Power & Light Company

1200 Main Street

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## **CERTIFICATE OF SERVICE**

I hereby certify that copies of the foregoing have been mailed, hand-delivered, transmitted by facsimile or electronically mailed to all counsel of record this 19<sup>th</sup> day of September 2019.

|s| Roger W. Steiner

Roger W. Steiner

# Exhibit 1

Fra Per CON	iod	ng Report Ending Ma					
Per CON	iod						
CON			arch 31 202	20			
Rate	<b>VFID</b>		arcii 51, 202				
Rate		ENTIAL					
_	Base	_					
		in Service		End of Period	XX,XXX,XXX		
	Less	: Reserve for Dep		End of Period	X,XXX	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
		Net Plant in Ser	vice			XX,XXX,XXX	
	Less						
		Imulated Deferred	I Income Taxes	End of Period		XX,XXX	
	.500		10				
		NUCOR Rate Ba	ase			XX,XXX	
		Current Month R	ate of Return			XXX%	
) oto	of Do	turn on Rate Bas					XX,XXX
late	ui Ke	tuili oli Kale Bas	E				<i>XX</i> , <i>XXX</i>
let C	ost n	f Service:		Rolling 12 Months			
		hased Power		January 12 menung		XXX.XXX	
		omer Event Balar	ncing			XX,XXX	
	Othe	r Sales for Resal	е			(XXX.XXX)	
_		smission Costs				XX,XXX	
		Capacity Costs				XX,XXX	
_		nistration Costs				X,XXX	
	Othe	r Contingency Co	osts:			2007	
		REC Fees Maintenance/Ot	hor OPM			XXX	
		Depreciation	Her Oalvi			XXX	
		X				XXX	
		Y				XXX	
		Z				XXX	
		Net Cost of Serv	ice				XXX,XXX
		Total Cost - NUC	COR				XXX, XXX
		NUCOR Revenu					(XXX,XXX)
		NOCON Revenu					(^^,^^)
		(Over)/Under Re	covered				XXX,XXX
)vera	all Co	st of Capital (Eve	rgy Missouri West				
				Amount	Doroont	Cost	Weighted
ong	Term	Debt		'(\$ in 000's) X,XXX,XXX	Percent XX.XX%	Cost X.XX%	Cost X.XX%
Jily	161111	DGDI		^,^^,	/////o	A.M/0	A.M70
comr	non E	Equity		X,XXX,XXX	XX.XX%	9.50%	X.XX%
				770	2.2.0,4		
otal	Overa	all Capital		X,XXX,XXX	100.00%		X.XX%

# Exhibit 2

Kansas City Power & Light Company - GMO				
FAC Calculation				
Before Wind Farm				
All numbers are hypothetical for illustration purposes or	ilv			
Account	GMO			
Total Production Fuel (Fuel Operations)	7,341,235.78			
Less: Fuel Handling	332,128.39			
Less: 557100	2,591,314.70			
Less: Labor Residuals 501420	-			
Less: Labor in Residuals 501400	1,076.52			
Less: Steam Operations 501700 (501730-501734)	568,940.68			
Less: Natural Gas Demand 501000 RES 6025 (501228)	17,943.06			
Less: Natural Gas Demand 547027	285,842.34			
Less: Landfill Gas 547000 RES 6036	-			
Less: Unit Train BIT 501000 RES 6003 (501028) Less: Unit Train PRB 501000 RES 6008 (501029)				
Less: Book 11 Fuel 501033	71,919.20			
Less: RECs 509000 RES 6070 (509500)				
Plus: RECs sold 509000 RES 6174 (509500)				
Less: Book 11 Fuel 547033				
Total Fuel and Emissions (FC + EC)	3,472,070.89			
Total Bosshare d Bosses	40 400 404 00			
Total Purchased Power	12,132,424.20			
Less: Purchased Power -Nucor	487,667.11			
Less: Capacity 555005	2,578.13			
Plus: Short Term Capacity (Query) Less: Book 11 555032	-			
Total Purchased Power (PP)	11,642,178.96			
.ca aronasca i onci (i r)	11,072,110.30			
Total Transmission (565)	2,796,351.19			
Less: Historical Z2 (Query)				
Less: Non-recoverable SPP schedules	-			
Less: Crossroads (Query)	777,654.84		SPP Transmission (Query)	1,978,923.08
Less: 52.80% of SPP Transmission	1,016,554.41		Less: Transmission -Nucor	53,630.64
Total Transmission (TC)	1,002,141.94		Eligible SPP Transmission	1,925,292.44
			47.20% of SPP Transmission	908,738.03
Total Wholesale Sales	(2,036,337.39)			1,016,554.41
Other Sales for Resale-Nucor	(00.057.70)			
Other Sales for Resale-Municipals 447103 Other Sales for Resale-Private Utilities 447101	(68,857.76) (921.53)			
Less: Book 11 Sales 447031	(921.55)			
Less: Book 11 Sales 447032				
Less: Book 11 Sales 447034				
Total Off System Sales Revenue (OSSR)	(1,966,558.10)			
TEC (FC+EC+PP-OSSR)	14,149,833.69			
Retail Sales	F00 F00 044 00			
Other Sales for Resale-Municipals	596,523,014.03 1,147,431.00			
Sales -Nucor	(20,311,000.00)			
Other Sales for Resale-Border	37,288.02			
Estimated Losses	40,326,288.56			
Est. Losses - Prior Period Corr.	(4,379,103.00)			
Unaccounted for kWh	-			
Used by Company	1,377,081.00			
kWh Net System Input	614,720,999.61			
Base Energy Cost	0.0224			
Total Page Energy Cost	12 760 750 00			
Total Base Energy Cost	13,769,750.39			
(TEC - B)	380,083.30			
(TEC - B) * 5%	19,004.17			
(TEC - B) * 95%	361,079.14			
Revenue Mwh	596,523,014.03			
	0.15.005	0.05		
Residential	215,695,533.01	0.37		
Commercial Industrial (less Nucor)	219,250,635.14 139,549,922.56	0.38		
Streetlights	1,715,923.32	0.24	Industrial	159,860,922.56
Govt-Other	1,113,823.32	-	Nucor	20,311,000.00
Total CIS+	576,212,014.03		Nucui	20,011,000.00
Municipals	1,147,431.00	0.00		
Total	577,359,445.03	1.00		
Residential	134,895.45			
Commercial	137,118.79			
Commercial Industrial	87,274.17			
Commercial Industrial Streetlights				
Commercial Industrial Streetlights Govt-Other	87,274.17 1,073.13			
Commercial Industrial Streetlights Govt-Other Total CIS+	87,274.17 1,073.13 - 360,361.54			
Commercial Industrial Streetlights Govt-Other	87,274.17 1,073.13			

# Exhibit 2 (continued)

Kansas City Power & Light Company - GMO				
FAC Calculation				
After Wind Farm				
All numbers are hypothetical for illustration purposes or	nly			
Account	GMO			
Total Production Fuel (Fuel Operations)	7,341,235.78			
Less: Fuel Handling	332,128.39			
Less: 557100 Less: Labor Residuals 501420	2,591,314.70			
Less: Labor Residuals 501420 Less: Labor in Residuals 501400	1,076.52			
Less: Steam Operations 501700 (501730-501734)	568,940.68			
Less: Natural Gas Demand 501000 RES 6025 (501228)	17,943.06			
Less: Natural Gas Demand 547027	285,842.34			
Less: Landfill Gas 547000 RES 6036	-			
Less: Unit Train BIT 501000 RES 6003 (501028)	-			
Less: Unit Train PRB 501000 RES 6008 (501029)	71,919.20			
Less: Book 11 Fuel 501033	-			
Less: RECs 509000 RES 6070 (509500)	-			
Plus: RECs sold 509000 RES 6174 (509500)	-			
Less: Book 11 Fuel 547033  Total Fuel and Emissions (FC + EC)	3,472,070.89			
Total Fuel and Emissions (FC + EC)	3,472,070.09			
Total Purchased Power	11,930,945.92			
Less: Purchased Power -Nucor	286,188.83			
Less: Capacity 555005	2,578.13			
Plus: Short Term Capacity (Query)	2,070.10			
Less: Book 11 555032	-			
Total Purchased Power (PP)	11,642,178.96			
Total Transmission (565)	2,796,351.19			
Less: Historical Z2 (Query)	-	$\vdash$		
Less: Non-recoverable SPP schedules			200 T (0 )	4 070 000 00
Less: Crossroads (Query) Less: 52.80% of SPP Transmission	777,654.84		SPP Transmission (Query)	1,978,923.08
Total Transmission (TC)	1,016,554.41 1,002,141.94		Less: Transmission -Nucor Eligible SPP Transmission	53,630.64 1,925,292.44
Total Transmission (TC)	1,002,141.94		47.20% of SPP Transmission	908,738.03
Total Wholesale Sales	(2,036,337.39)		Triboto or or it industriconor	1,016,554.41
Other Sales for Resale-Nucor	-			7
Other Sales for Resale-Municipals 447103	(68,857.76)			
Other Sales for Resale-Private Utilities 447101	(921.53)			
Less: Book 11 Sales 447031	-			
Less: Book 11 Sales 447032	-			
Less: Book 11 Sales 447034	-			
Total Off System Sales Revenue (OSSR)	(1,966,558.10)			
TEC (FC+EC+PP-OSSR)	14,149,833.69			
	,,			
Retail Sales	596,523,014.03			
Other Sales for Resale-Municipals	1,147,431.00			
Sales -Nucor	(20,311,000.00)			
Other Sales for Resale-Border	37,288.02			
Estimated Losses	40,326,288.56			
Est. Losses - Prior Period Corr.	(4,379,103.00)			
Unaccounted for kWh				
Used by Company	1,377,081.00			
kWh Net System Input	614,720,999.61			
Dana Franciscos	0.0004			
Base Energy Cost	0.0224	$\vdash$		
Total Base Energy Cost	13,769,750.39			
(TEC - B)	380,083.30			
(TEC - B) * 5%	19,004.17			
(TEC - B) * 95%	361,079.14			
	=======================================			
Revenue Mwh	596,523,014.03	$\vdash$		
Posidential	215 605 522 01	0.27		
Residential	215,695,533.01	0.37		
	219,250,635.14	0.38		
Commercial Industrial (less Nucor)	130 540 022 56			159,860,922.56
Industrial (less Nucor)	139,549,922.56	0.00		
Industrial (less Nucor) Streetlights	139,549,922.56 1,715,923.32	0.00	Industrial Nucor	
Industrial (less Nucor) Streetlights Govt-Other	1,715,923.32	0.00	Nucor Nucor	20,311,000.00
Industrial (less Nucor) Streetlights Govt-Other Total CIS+	1,715,923.32 - 576,212,014.03	-		
Industrial (less Nucor) Streetlights Govt-Other Total CIS+ Municipals	1,715,923.32 - 576,212,014.03 1,147,431.00	0.00		
Industrial (less Nucor) Streetlights Govt-Other Total CIS+	1,715,923.32 - 576,212,014.03	-		
Industrial (less Nucor) Streetlights Govt-Other Total CIS+ Municipals	1,715,923.32 - 576,212,014.03 1,147,431.00	0.00		
Industrial (less Nucor) Streetlights Govt-Other Total CIS+ Municipals Total	1,715,923.32 - 576,212,014.03 1,147,431.00 577,359,445.03	0.00		
Industrial (less Nucor) Streetlights Govt-Other Total CIS+ Municipals Total Residential	1,715,923.32 - 576,212,014.03 1,147,431.00 577,359,445.03 134,895.45	0.00		
Industrial (less Nucor) Streetlights Govt-Other Total CIS+ Municipals Total Residential Commercial Industrial Streetlights	1,715,923.32 576,212,014.03 1,147,431.00 577,359,445.03 134,895.45 137,118.79	0.00		
Industrial (less Nucor) Streetlights Govt-Other Total CIS+ Municipals Total Residential Commercial Industrial Streetlights Govt-Other	1,715,923.32 576,212,014.03 1,147,431.00 577,359,445.03 134,895.45 137,118.79 87,274.17 1,073.13	0.00		
Industrial (less Nucor) Streetlights Govt-Other Total CIS+ Municipals Total Residential Commercial Industrial Streetlights Govt-Other Total CIS+	1,715,923.32 576,212,014.03 1,147,431.00 577,359,445.03 134,895.45 137,118.79 87,274.17 1,073.13	0.00		
Industrial (less Nucor) Streetlights Govt-Other Total CIS+ Municipals Total Residential Commercial Industrial Streetlights Govt-Other	1,715,923.32 576,212,014.03 1,147,431.00 577,359,445.03 134,895.45 137,118.79 87,274.17 1,073.13	0.00		

# Exhibit 2 (continued)

Scenario A (After Wind	Farm)				Scenario B (Before Wi	nd Farm)			
All numbers are hypothetical for illus	tration purposes only				All numbers are hypothetical for illus	tration purposes only			
Inputs:					Inputs:				
Wind Farm Purchase (MWh)	26,828				Wind Farm Purchase (MWh)	0			
Nucor Load Purchases (MWh)	20,311				Nucor Load Purchases (MWh)	20,311			
Wind Farm Contract Price	\$ 16.50				Wind Farm Contract Price	\$ 16.50			
GMO Load Purchase Price	\$ 24.01				GMO Load Purchase Price	\$ 24.01			
Nucor Retail Rate	\$ 35.00				Nucor Retail Rate	\$ 35.00			
Hourly Energy Calcul	lations		Journa	I Entries	Hourly Energy Calcu	lations		Journal	Entries
Wind Farm Purchase by GMO to					Wind Farm Purchase by GMO to				
Wind Farm Purchase (MWh)	26,828		Dr. 555xxx		Wind Farm Purchase (MWh)			Dr. 555xxx	
Wind Farm Contract Price			Cr 232xxx	(442,66	Wind Farm Contract Price			Cr 232xxx	-
	\$ 442,662					\$ -			
GMO sells wind MWH to SPP at I	oad node (BSS)				GMO sells wind MWH to SPP at I	oad node (BSS)			
SPP BSS Settlement (MWh)	(26,828)		Dr 143xxx	644,14	SPP BSS Settlement (MWh)			Dr. 143xxx	-
Load node Price			Cr 447xxx	(644,14	Load node Price	24.01		Cr. 447xxx	
	\$ (644,140)		SPP Netting FERC C			-		SPP Netting FERC C	order 668
	, , , , ,		Dr. 447xxx	644,14				Dr. 447xxx	
			Cr. 555xxx	(644,14				Cr. 555xxx	-
GMO purchases all Load from SP	P (including Nucor			, ,	GMO purchases all Load from SF	P (including Nuco			
Nucor Load Purchases (MWh)	20,311		Dr 555xxx	487,66	Nucor Load Purchases (MWh)	20,311		Dr 555xxx	487,667
GMO Purchase Price			Cr 232xxx		GMO Purchase Price			Cr 232xxx	
Sivie i distince i fies	487,667		OI[ ZOZAXX	(107,00	Cine i dionase i nee	487,667		OI EGENIN	(107,007
GMO Retail Transactions					GMO Retail Transactions				
Nucor Load Purchases (MWh)	20,311		Dr 142xxx	710,88	Nucor Load Purchases (MWh)	20,311		Dr 142xxx	710,885
			Cr. 442xxx		Retail Rate			Cr. 442xxx	
Retail Rate	\$ 710,885		CII 442XXX	. (710,00		\$ 710,885		CII 442XXX	(710,000
Monthly Calculati	ons				Monthly Calculati	ons			
Francis					Francis				
Example:	005 000				Example:	005.000			
GMO load for May (MWh)	635,032				GMO load for May (MWh)	635,032			
Nucor monthly usage (MWh)	20,311				Nucor monthly usage (MWh)	20,311			
Nucor's Percentage of Load	0.032				Nucor's Percentage of Load	0.032			
GMO monthly load (Mw)	2,179				GMO monthly load (Mw)	2,179			
Nucor monthly load (Mw)	59				Nucor monthly load (Mw)	59			
Nucor's Percentage of Load	0.027				Nucor's Percentage of Load	0.027			
SPP Transmission charges driver	n by load				SPP Transmission charges drive	n by load			
Fee Type	Admin	Sched 11	Sched 12	Z2	Fee Type	Admin	Sched 11	Sched 12	Z2
Fee Amount					Fee Amount				
Ratio	0.032	0.027	0.027		Ratio	0.032			0.032
Nucor Share					Nucor Share				
Eligible to include in FAC		\$ 1,920,654			Eligible to include in FAC		\$ 1,920,654		\$ 3,965
FAC%	47.2%	47.2%	47.2%		FAC%	47.2%	47.2%		47.2%
Included in FAC	\$ -	\$ 906,549	\$ -	\$ 1,87	Included in FAC	\$ -	\$ 906,549	\$ -	\$ 1,872
Wind farm purchase is at GMO load		ADDa as naturals ann	ing in required		Wind farm purchase is at GMO load		100		

Exhibit 3

SPP hourly	load	nurcha	200		Load nurchassa	l for Nucor will	ho calculates	I at the 5 minute	lovol aggres	rated to the	hour nor the	o ovamnio i	oolow
GMO Load		purcna	1562		Loau purchased	i ioi Nucoi wiii	De Calculatet	i at the 5 minute	ievei, aggreç	Jaleu lo lile	nour per un	e example i	Jeiow.
		nothetic	ral fo	· illus	tration purposes o	nlv							
GMO Load	u. c,	potriction	Jul 10.	muo	tration par poses o	DA LMP	DA Charges	RT Meter Load	RT LMP	RT Charges	RT Load		Load
Point	Year	Month	Day	HE	DA Load (MWh)	(\$/MWh)	Load (\$)	(MWh)	(\$/MWh)	Load (\$)	MWh	Load \$	\$/MWH
MPS_MPS	2019	May		1	713	\$24.97	(\$17,807)	689.7541667	\$18.33	\$448	689.75	\$ 17,358.62	25.166
MPS_MPS	2019	May	1	2	684	\$22.47	(\$15,370)	668.5195833	\$19.84	\$307	668.52	\$ 15,063.71	22.533
MPS_MPS	2019	May		3	669	\$22.98	(\$15,374)	655.59425	\$18.62	\$250	655.59	\$ 15,123.86	23.069
MPS_MPS	2019	May	1	4	664	\$23.08	(\$15,326)	657.6149167	\$19.35	\$123	657.61	\$ 15,202.98	23.118
MPS_MPS	2019	May		5	680	\$24.59	(\$16,722)	682.0743333	\$19.32	(\$43)	682.07	\$ 16,765.28	24.580
MPS_MPS	2019	May		6	733	\$28.55	(\$20,925)	720.4675833	\$44.02	(\$97)	720.47	\$ 21,021.52	29.178
MPS_MPS	2019	May	1	7	814	\$36.38	(\$29,616)	803.52725	\$40.66	\$881	803.53	\$ 28,735.48	35.762
MPS_MPS	2019	May	1	8	857	\$38.84	(\$33,288)	842.016	\$23.55	\$354	842.02	\$ 32,934.08	39.113
MPS MPS	2019	May	1	9	873	\$41.43	(\$36 169)	844.2758333	\$23.53	\$676	844.28	\$ 35 493.34	42.040
MPS_MPS	2019	May	1	10	880	\$42.30		850.3253333	\$25.82	\$763		\$ 36,463.12	42.88
MPS_MPS	2019	May	i	11	887	\$43.34	(\$38,444)	847.0004167	\$26.69	\$1,068	847.00	\$ 37,375.81	44.12
MPS_MPS	-		1	12	887	\$43.48		839.5871667	\$27.17	\$1,283		\$ 37,284.13	44.408
MPS_MPS	_	May	1	13	867	\$44.49	(\$38,575)	833.6218333	\$26.60	\$886	833.62	\$ 37,689.18	45.21
MPS_MPS	_			14	846	\$44.12	(\$37,326)	835.8728333	\$27.03	\$271		\$ 37,055.64	44.332
MPS_MPS	2019	Mav	1	15	849	\$41.33	(\$35,089)	831.39175	\$25.77	\$454		\$ 34,634.83	41.659
MPS_MPS	-		_	16	861	\$40.59	(\$34,945)	831.0279167	\$28.49	\$855		\$ 34,089.56	41.02
MPS_MPS			_	17	875	\$40.08		839.6754167	\$24.48	\$865		\$ 34,206.18	40.737
MPS_MPS	_			18	908	\$36.13		847.0579167	\$21.29	\$1,296		\$ 31,508.40	37.197
MPS_MPS	_			19	911	\$33.42		850.9856667	\$21.22	\$1,273		\$ 29,171.83	34.280
MPS_MPS	2019	.,		20	970	\$35.95		854.0291667	\$26.16	\$3,027		\$ 31,846.86	37.290
MPS_MPS				21	969	\$39.00		874.2036667	\$26.42	\$2,504		\$ 35,282.00	40.359
MPS_MPS	2019			22	931	\$32.46	(\$30,217)	842.4994167	\$21.92	\$1,866		\$ 28,350.24	33.650
MPS_MPS	_			23	846	\$27.08	(\$22,907)	771.5226667	\$22.89	\$1,686		\$ 21,220.81	27.505
MPS_MPS	2019			24	763	\$20.81	(\$15,877)	711.3428333	\$15.68	\$844		\$ 15,032.43	21.132
IVII 3_IVII 3	2017	ividy	Ė	27	703	\$20.01	(\$13,011)	711.5420333	\$13.00	4044	711.54	\$ 15,052.45	21.132
SPP 5 minu	ite lo	ad purc	hase	s									
GMO Load	Hub												
All numbers	are hy	pothetic	cal fo	' illus	tration purposes o								
ReportingID	Year	Month	Day	HE	Minutes	DA Charges Load (\$)	DA Load (MWh)	RT Meter Load (MWh)	RT Charges Load (\$)				
MPS_MPS	2019	May		1	0	(\$17,807)	713	705	\$14				
MPS_MPS	2019	May		1	5	\$0		704	\$4				
MPS_MPS	2019	May	1	1	10	\$0	713	697	\$20				
MPS_MPS	2019	May	1	1	15	\$0	713	696	\$27				
MPS_MPS	2019	May	1	1	20	\$0	713	696	\$28				
MPS_MPS	2019	May	1	1	25	\$0	713	687	\$46				
MPS_MPS	2019	May	1	1	30	\$0	713	688	\$40				
MPS_MPS	2019	May	1	1	35	\$0	713	684	\$49				
MPS_MPS	2019	May	1	1	40	\$0	713	682	\$52				
MPS_MPS	2019	May	1	1	45	\$0	713	679	\$58				
MPS_MPS	2019	May	1	1	50	\$0	713	679	\$56				
MPS_MPS	2019		1	1	55	\$0		680	\$54				
									\$448				

#### Exhibit 4

#### KCP&L GREATER MISSOURI OPERATIONS COMPANY

P.S.C. MO. No.	1	Original Sheet No. 157					
Canceling P.S.C. MO. No.	1	Original Sheet No					
		For Missouri Retail Service Area					
Special Rate for Incremental Load Service Schedule SIL							

#### **PURPOSE:**

This rate schedule is designed to provide certain Customers with new or incremental increases in load access to a special rate that is not based on the Company's cost of service like generally available tariff rates, but is designed to recover no less than the incremental costs of serving the new load. The Customer load will be served primarily by renewable energy resources separate from energy resources used to serve general customers of the Company.

#### **AVAILABILITY:**

This special rate is available to customers with new, incremental load who:

- Have a facility whose primary industry is the smelting of aluminum and primary metals, (Standard Industrial Classification Code 3334) or
- Have a facility whose primary industry is the production or fabrication of steel (North American Industrial Classification System 331110) or
- Operate a facility with an increase in load equal to or in excess of a monthly demand of fifty megawatts

Each customer must demonstrate the new, incremental load can:

- Show a competitive need, documenting the facility would not commence operations absent the special rate,
- Show the special rate is in the interest of the state of Missouri when considering the interests of the
  customers of the Company, considering the incremental cost of serving the facility to receive the
  special rate, and the interests of the citizens of the state generally in promoting economic
  development, improving the tax base, providing employment opportunities in the state, and
  promoting such other benefits to the state as the commission may determine are created by
  approval of the special rate

This rate is not available for standby, breakdown, supplementary, maintenance or resale service except as noted below. Sub-metering or the reselling of electricity is prohibited.

Availability of service under this tariff may be limited by the Company due to constraints with, or protection for, Company generation resources or the transmission grid.

Service under this tariff may not be combined with service under an Economic Development Rider, an Economic Redevelopment Rider, , the Renewable Energy Rider, Community Solar program, service as a Special Contract, or be eligible for participation in programs offered pursuant to the Missouri Energy Efficiency Investment Act, or for participation in programs related to demand response or off-peak discounts, unless otherwise ordered by the Commission when approving a contract for service under this tariff.

Service under this tariff shall be excluded from projected energy calculations used to establish charges under Riders FAC and RESRAM, and programs offered pursuant to the Missouri Energy Efficiency Investment Act, unless otherwise ordered by the Commission when approving a contract for service under this tariff.

Issued:	Effective:

Issued by: Darrin R. Ives, Vice President

1200 Main, Kansas City, MO 64105

Exhibit 4 (continued)

KCP&I	GREATER	MISSOURI	<b>OPERATIONS</b>	COMPANY
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Special Rate for Incremental Load Service Schedule SIL							
		For Missouri Retail Service Area					
Canceling P.S.C. MO. No.	1	Original Sheet No					
P.S.C. MO. No.	1	Original Sheet No. 157.1					

#### **TERMS & CONDITIONS:**

Service under this rate schedule requires a written contract between the Company and the Customer. Each Special Incremental Load Rate Contract shall collect at least the incremental cost incurred by the Company to serve the Customer. Incremental costs shall be calculated, and profitability must be demonstrated at the time the contract is approved to confirm that revenues to be received from Customers under this Schedule are expected to be sufficient to cover the Company's increased costs to offer service pursuant to each Special Incremental Load Rate Contract. All charges for service under this rate schedule shall be limited to the charges contained in the contract between the Company and the Customer.

#### **CONTRACT DOCUMENTATION:**

At least 60 days prior to the effective date of the Special Incremental Load Rate Contract, the Company will file the individual Special Incremental Load Rate Contract and supporting documentation with the Commission for approval. The supporting documentation will include the following items:

- 1. Customer Needs: Company shall provide a narrative description of the reasons why the Special Incremental Load Rate is necessary for this Customer.
- 2. Customer Alternatives: Company shall describe competitive alternatives available to the Customer.
- 3. Incremental Costs: Company shall quantify the expected incremental cost associated with the Special Incremental Load Rate Contract Customer.
- 4. Profitability: Company shall quantify the expected profitability of the Special Incremental Load Rate Contract as the difference between the revenues expected to be generated from the pricing provisions in the Special Incremental Load Rate Contract compared to Company's expected incremental costs. All significant assumptions shall be identified that affect this quantification.
- 5. Other Ratepayer Benefits: Company shall quantify the benefits that it believes will accrue to other ratepayers from the Special Incremental Load Rate Contract. All significant assumptions shall be identified that affect this quantification.
- 6. Other Economic Benefits to the Area: the Company and/or local economic development agency shall quantify the economic benefits to the state, metropolitan area, and/or local area that Company projects to be realized as a result of the Special Incremental Load Rate Contract. The Company will also file an affidavit from the state, metropolitan area and/or local area economic development agency that is also providing benefits to the customer.

Issued: Effective:

Issued by: Darrin R. Ives, Vice President

1200 Main, Kansas City, MO 64105

#### Exhibit 4 (continued)

#### KCP&L GREATER MISSOURI OPERATIONS COMPANY

	•	or Incremental Load Service Schedule SIL
		For Missouri Retail Service Area
Canceling P.S.C. MO. No	1	Original Sheet No
P.S.C. MO. No	1	Original Sheet No. 157.2

#### TERM:

The initial term may vary for each customer served under this rate schedule but in no instance, should the term be greater than ten (10) years. Prior to the end of the term, the Company and Customer will work together to evaluate an extension of the term and if mutually appropriate, work together to secure any required approvals for an extension of the term. Each subsequent extension shall not exceed an additional ten (10) years.

#### **SPECIAL RATE, PROVISIONS, AND TERMS:**

- The Special Incremental Load Rate will be determined for each Customer based on expected loads and the renewable energy resource planned to serve the Customer. Details about the rate including all terms and conditions related to the Special Incremental Load Rate will be documented through a Special Incremental Load Rate Contract.
- 2. The Special Incremental Load Rate will be designed to recover no less than the incremental cost to serve the Customer over the term of the Special Incremental Load Rate Contract. Non-participating customers shall be held harmless from any deficit in revenues provided by any customer served under this tariff.
- 3. All Special Incremental Load Rate Contracts executed under this tariff will include the following provisions:
  - a. Special Rate details about the structure and rate to be paid by the Customer.
  - b. Agreement Term clear identification of the dates associated with the Special Rate, particularly the start date for contract term.
  - c. Confidentiality terms to establish protections needed to protect data under competitive conditions.
  - d. Operational Parameters details about the expected operation of the facility to be served.
- 4. The Company will make provisions to uniquely identify the costs and revenues for each respective Special Incremental Load Rate Contract within its books and records. This information will be available to support periodic reporting as ordered by the Commission. At the time of a general rate proceeding the portion of the Company's revenue requirement associated with the incremental costs net of PPA net revenues to serve the Customer shall be assigned to the Customer. The Customer's rate revenues shall be reflected in Company's net revenue requirement. If the Customer's rate revenues do not exceed the incremental cost to serve the Customer as reflected in the revenue requirement calculation, the Company shall make an additional revenue adjustment covering the shortfall to the revenue requirement calculation through the true-up period, to ensure that non-Schedule SIL customers will be held harmless from such effects from the service under Schedule SIL. In no event shall any revenue deficiency (that is, a greater amount of the Customer's incremental costs compared to the Customer's revenues) be reflected in the Company's cost of service in each general rate proceeding for the duration of service to the Customer(s) during the terms of the contract between Company and Customer served under this tariff.

#### **REGULATIONS:**

Subject to Rules and Regulations filed with the State Regulatory Commission.

Issued: Effective: Issued by: Darrin R. Ives, Vice President 1200 Main, Kansas City, MO 64105

#### Exhibit 4 (continued)

# KCP&L GREATER MISSOURI OPERATIONS COMPANY P.S.C. MO. No. \_\_\_\_\_1 \_\_\_\_ Original Sheet No. \_\_\_\_\_\_ Canceling P.S.C. MO. No. \_\_\_\_\_1 \_\_\_\_ Original Sheet No. \_\_\_\_\_\_ For Missouri Retail Service Area Special Rate for Incremental Load Service Schedule SIL

#### SPECIAL INCREMENTAL LOAD RATE CONTRACTS:

Start Date of Special Incremental Load Rate Contract	Name of Customer	Address	Term of Special Incremental Rate
January 1, 2020	Nucor Steel Sedalia, LLC	500 Rebar Rd, Sedalia, MO	10 years

Issued: Effective:

Issued by: Darrin R. Ives, Vice President

1200 Main, Kansas City, MO 64105