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### BEFORE THE OHIO STATE BOARD OF EDUCATION

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In the Matter of:

Michael Klubnik.

PROCEEDINGS - VOLUME I

before Linda F. Mosbacher, Hearing Examiner, at the Ohio Department of Education, 25 South Front Street, Conference Room 101, Columbus, Ohio, at 10:00 a.m. on Tuesday, May 15, 2018.

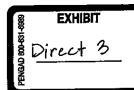
ARMSTRONG & OKEY, INC.

222 East Town Street, Second Floor
Columbus, Ohio 43215-4620
(614) 224-9481 - (800) 223-9481

### BEFORE THE PUBLIC UTILITIES COMMISSION OF OHIO

DIRECT ENERGY BUSINESS, LLC,	)	
Complainant,	)	
v.	)	Case No. 17-791-EL-CSS
OHIO EDISON COMPANY AND THE	)	
CLEVELAND ELECTRIC ILLUMINATING	)	
COMPANY,	)	
	)	
Respondents.	)	
OHIO EDISON COMPANY AND THE CLEVELAND ELECTRIC ILLUMINATING COMPANY,	) )	
Complainants,	)	Case No. 17-1967-EL-CSS
v.	)	
DIRECT ENERGY BUSINESS, LLC,	)	
Respondent.	)	

DIRECT TESTIMONY OF MARJORIE ROSENBLUTH PHILIPS ON BEHALF OF DIRECT ENERGY BUSINESS, LLC



Direct Testimony	of Mariorie	Rosenhluth	Philins
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2 O1. Please introduce	vourself
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- 3 A1. My name is Marjorie Rosenbluth Philips. I am the Director, RTO and Federal Services,
- for Direct Energy (Direct). My business address is 194 Wood Avenue South, Iselin, New
- 5 Jersey 08830.

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### 6 Q2. What are your job responsibilities?

7 I provide regulatory support to Direct's interactions with the PJM regional transmission A2. 8 organization (RTO). I also have management responsibility for personnel who provide 9 regulatory support to Direct's activities in the ISO-New England, New York Independent 10 System Operator and Midcontinent Independent System Operator RTO regions. I am 11 also responsible for Direct's activities before the Federal Energy Regulatory Commission 12 (FERC), other than compliance activities. As part of my job, I routinely interpret and 13 monitor PJM's Open-Access Transmission Tariff (OATT) and related policy and 14 procedure guidelines issued by PJM.

### Q3. What training, education and experience do you have for your job?

16 A3. I earned a B.A. in Political Theory, with Honors, from McGill University in 1980. I then 17 attended Columbia University's School of International Affairs, which trained me for 18 negotiations and cooperation in large stakeholder bodies. I then attended Fordham 19 University School of Law, where I earned a J.D. in 1988. I was an Associate at Skadden 20 Arps in New York, New York from 1989 to 1994, where I practiced corporate law related 21 specifically to electric generation project development. I have since worked for Exelon 22 Corporation, PSEG, Constellation and Hess Corporation, whose wholesale electric 23 business was purchased by my current company, Direct Energy.

O4.	Have vou	reviewed	the	Companies'	Supplier	Tariff?
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- 2 A4. Yes. I am generally familiar with the provisions of the Supplier Tariff that reference the
- 3 "Transmission Provider," which is PJM. Under Section XV.A of the Supplier Tariff,
- 4 "The Certified Supplier agrees that settlements will be provided under the rates, terms
- 5 and conditions of the Transmission Provider OATT and the applicable business practice
- 6 manuals."

1

- 7 Q5. Are you familiar with the "Transmission Provider OATT and the applicable
- 8 business practice manuals" referenced in this section of the Supplier Tariff?
- 9 A5. Yes. This refers to the PJM OATT. The applicable terms and conditions for financial
- settlements are contained in Attachment K, Section 3.6 of the OATT, which I have
- attached to my testimony as Exhibit 2.1.
- 12 Q6. To whom does the PJM OATT apply?
- 13 A6. The PJM tariff applies to all PJM members, and a company must be a PJM member to
- 14 participate in PJM's markets. These market participants include, among others, generator
- and demand response owners, transmission owners, electric distribution companies,
- public power entities and competitive suppliers.
- 17 Q7. What is the purpose of the OATT?
- 18 A7. Getting electricity from where it is generated to where it is needed is a complex task
- involving many stakeholders. The OATT standardizes the rules and regulations for
- 20 market participants. Market participants may still deal with each other directly through
- 21 bilateral transactions, but otherwise, all wholesale market activity in the day-ahead and
- real-time energy markets is governed by the OATT.
- 23 Q8. Why is there a need for PJM to be involved in financial settlements?

i	Að.	PJM acts as an intermediary of "traffic cop" between market buyers and market sellers.
2		Instead of contracting with each other directly, market buyers and sellers contract with
3		PJM. PJM bills market participants and disburses payments. Fundamentally, PJM
4		operates much like eBay. When a person buys or sells on eBay, they do not deal directly
5		with their counterparty. eBay collects money from the buyer and disperses it to the seller.
6		Both the buyer and seller must follow eBay's rules. Thus, PJM's OATT is much like
7		eBay's terms of service. Where eBay and PJM differ is that with the former, transactions
8		are generally final once money changes hands. With PJM, transactions are subject to
9		resettlement for a certain period. I will discuss the resettlement process later in my
10		testimony.
11	Q9.	In general, what information does PJM rely on to settle transactions?
12	A9.	Just like eBay, PJM needs to know the identities of the market buyer and market seller,
13		what is being bought or sold, and the price. The price for energy and capacity is set
14		through PJM auctions or other pricing mechanisms administered by PJM, so PJM already
15		has this information. Everything else PJM needs to know for settlement purposes is
16		furnished by the market participants.
17	Q10.	Does Direct engage in wholesale transactions in order to supply retail load?
18	A10.	We do. Direct does not own generation resources. Therefore, we must purchase energy
19		and capacity on the wholesale market in quantities sufficient to meet our retail and
20		wholesale obligations. We also have to schedule delivery of this energy and capacity, and
21		arrange and pay for any related ancillary services.
22	Q11.	How does PJM account for energy and capacity delivered to the Companies' service
23		area on Direct's behalf?

1	A11.	PJM relies on end-user meter data furnished by the Companies. As stated in Section
2		XV.F.1 of the Supplier Tariff, "The Company shall upload required, aggregated customer
3		meter data information on behalf of Certified Suppliers to the Transmission Provider
4		including but not limited to real time hourly energy kWh data, capacity daily load share
5		data and transmission daily load share data for use with financial settlement purposes as
6		required by the Transmission Provider under the Transmission Provider's OATT."
7	Q12.	What does PJM do with the aggregated customer meter data?
8	A12.	PJM uses this information to generate month-to-date invoices to Direct on a weekly basis.
9		Direct must pay these invoices within three days. PJM remits funds paid by Direct to the
10		parties who provided the energy and capacity.
11	Q13.	What happens if someone suspects an invoice is incorrect because of a metering
12		error?
13	A13.	It depends when the error is caught. As I mentioned, the weekly invoices contain month-
14		to-date information. If an invoice for the first week of the month contains an error, an
15		adjustment can be made which will flow-through to the next weekly invoice. For
16		example, if an error is identified on the week 1 invoice, an adjustment can be made on the
17		week 2, 3, or 4 invoices. Additionally, Attachment K, Section 3.6.1, provides for a
18		monthly metering charge or credit, where metering errors can also be addressed. If errors
19		are identified and corrected by the end of the delivery month, there is no need for further
20		action.
21	Q14.	What happens if a meter error is discovered after the end of a delivery month?
22	A14.	This is addressed in Attachment K, Section 3.6.5, which allows meter error adjustments
23		submitted "not later than the last Business Day of the month following the end of the

I		monthly billing cycle applicable to the meter correction." If, for example, an error is
2		discovered in the billing cycle that ends March 30, the "last business day of the month
3		following" would be April 30. As a practical matter, corrections under this section,
4		sometimes referred to "Resettlement B", are limited to a maximum of 60 days.
5	Q15.	Is there any way to submit adjustments for meter errors identified after 60 days?
6	A15.	In limited circumstances, yes. Under Section 3.6.2, also known as "Resettlement C,"
7		market participants may agree between themselves to adjust load records to compensate
8		for meter error "if both Market Participants are willing" and "such adjustment does not
9		affect other parties."
10	Q16.	Is there an absolute deadline for adjustments to correct meter errors?
11	A16.	Yes. Section 3.6.6 does not allow any market participant to assert a claim for an
12		adjustment "as a result of a meter error for any error discovered more than two years after
13		the date on which the metering occurred." If an error is discovered within this two-year
14		period, any adjustment "shall be limited to bills for transactions occurring in the most
15		recent annual accounting period in which the meter error occurred, and the prior
16		annual accounting period."
17	Q17.	When did the Companies advise Direct of meter errors?
18	A17.	My understanding is that Direct was first advised of a metering issue in an email from the
19		Companies dated December 18, 2015. According to that email (included in Exhibit 1.3 of
20		Ms. Ringenbach's testimony), the Companies became aware of the error "a few weeks"
21		before notifying Direct.
22	Q18.	Over what period of time do the Companies claim that the metering error impacted
23		invoices submitted to PJM?

1	A18.	The periods vary by customer, but the overall range starts on December 1, 2013 and ends
2		on September 9, 2015, according to the information in Exhibit 1.4 of Ms. Ringenbach's
3		testimony.
4	Q19.	Were PJM invoices for the September 2015 delivery month and earlier months
5		subject to the Resettlement B process?
6	A19.	No. None of these invoices fell within the 60-day limitation. Ms. Teamann's first email in
7		December 2015 acknowledges this.
8	Q20.	Was Direct required to enter into "out of market bilateral settlements through
9		PJM," as alluded to by Ms. Teamann?
10	A20.	Absolutely not. Bilateral agreements are, by definition, consensual. I am not aware of any
11		provision in Attachment K that requires one market participant to enter into a bilateral
12		agreement at the request of another market participant. To the contrary, the Resettlement
13		C process allows adjustments like the one proposed by the Companies "if both Market
14		Participants are willing" and "such adjustment does not affect other parties."
15	Q21.	Would such an adjustment have affected other parties?
16	A21.	Yes. Mr. Stein wrote in a January 15, 2016 email about "roughly 14 affected" suppliers.
17		The Companies' Answer to Direct's Complaint in this case, as well as the Companies'
18		separate Complaint, also discuss how their error affected many more suppliers than just
19		Direct.
20	Q22.	Have you reviewed any documentation concerning adjustments for the billing
21		periods identified by the Companies?
22	A22.	Yes. Exhibit 1.7 to Ms. Ringenbach's testimony is a document furnished by the
23		Companies, titled "PJM Interconnection, LLC Billing Adjustment." It is dated January

1 30, 2017. According to this document, the Companies entered a bilateral contract with a 2 supplier (FES) to debit the Companies' PJM account, and credit the supplier's account, 3 for "incorrectly assigned" load for the period December 1, 2013 through November 30, 4 2015. 5 Q23. Does the PJM tariff permit or contemplate any additional resettlement beyond what 6 has already occurred between the Companies and FES? 7 Q24. No. The bilateral agreement between the Companies and FES involves those parties only. 8 There is no provision in the PJM tariff that permits either of those parties to force Direct 9 into entering a bilateral contract. 10 Q25. Does any provision of PJM's tariff either permit or require Direct to compensate 11 the Companies for whatever they paid to their resettlement counterparty? 12 A23. No. Nor, to my knowledge, have the Companies identified any such provision.

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14

A24. Yes.

Q26. Does this conclude your testimony?

### **CERTIFICATE OF SERVICE**

I hereby certify that a copy of the foregoing Direct Testimony was served to the following by e-mail this 24th day of April 2018:

James F. Lang
Mark T. Keaney
Calfee, Halter & Griswold LLP
The Calfee Building
1405 East Sixth Street
Cleveland, Ohio 44114
jlang@calfee.com
mkeaney@calfee.com

/s/ Rebekah J. Glover

One of the Attorneys for Direct Energy

Intra-PJM Tariffs --> OPEN ACCESS TRANSMISSION TARIFF --> OATT VI. ADMINISTRATION AND STUDY OF NEW SERVICE REQUESTS; R --> OATT ATTACHMENT K -- APPENDIX --> OATT ATTACHMENT K APPENDIX SECTION 3. ACCOUNTING AND BILLING --> OATT Attachment K Appendix Sec 3.6 Metering Reconciliation

### 3.6 Metering Reconciliation.

### 3.6.1 Meter Correction Billing.

Metering errors and corrections will be reconciled at the end of each month by a meter correction charge (positive or negative). The monthly meter correction charge for tie meter corrections shall be the product of the positive or negative deviation in energy amounts, and the load weighted average real-time Locational Marginal Price for all hours of that month for all load buses in the PJM Region. The monthly meter correction charge for generator meter corrections, including Pseudo-Tie generator imports into the PJM Region, shall be the product of the positive or negative deviation in energy amounts and the generation weighted average Locational Marginal Price at that generator's bus for all hours of that month.

The monthly meter correction charge for Dynamic Schedule imports into the PJM Region, and non unit-specific Dynamic Schedule exports out of the PJM Region, shall be the product of the positive or negative deviation in energy amounts and the Dynamic Schedule's weighted average interface real-time Locational Marginal Price at the applicable Interface Pricing Point for all hours of that month.

The monthly meter correction charge for Pseudo-Tie generator exports and unit-specific Dynamic Schedule exports out of the PJM Region shall be the product of the positive or negative deviation in energy amounts and the difference between the weighted average interface real-time Locational Marginal Price at the applicable Interface Pricing Point, and the generation weighted average Locational Marginal Price at that generator's bus, for all hours of that month.

### 3.6.2 Meter Corrections Between Market Participants.

If a Market Participant or the Office of the Interconnection discovers a meter error affecting an interchange of energy with another Market Participant and makes the error known to such other Market Participant prior to the completion by the Office of the Interconnection of the accounting for the interchange, and if both Market Participants are willing to adjust hourly load records to compensate for the error and such adjustment does not affect other parties, an adjustment in load records may be made by the Market Participants in order to correct for the meter error, provided corrected information is furnished to the Office of the Interconnection in accordance with the Office of the Interconnection's accounting deadlines. No such adjustment may be made if the accounting for the Operating Day in which the interchange occurred has been completed by the Office of the Interconnection. If this is not practical, the error shall be accounted for by a correction at the end of the billing cycle. The Market Participants experiencing the error shall account for the full amount of the discrepancy and an appropriate debit or credit shall be applied to the Market Participants. For Market Participants that are Electric Distributors that request the debit and credit to be further allocated to all Network Service Users in their territory (as documented in the PJM Manuals), where all Load Serving Entities in the respective Electric Distributor territory agree, the appropriate debit or credit shall be applied among Network Service Users in proportion to their deliveries to load served in the applicable territory.

Intra-PJM Tariffs --> OPEN ACCESS TRANSMISSION TARIFF --> OATT VI. ADMINISTRATION AND STUDY OF NEW SERVICE REQUESTS; R -> OATT ATTACHMENT K - APPENDIX --> OATT ATTACHMENT K APPENDIX SECTION 3. ACCOUNTING AND BILLING --> OATT Attachment K Appendix Sec 3.6 Metering Reconciliation

### 3.6.3 500 kV Meter Errors.

Billing shall be adjusted to account for errors in meters on 500 kV Transmission Facilities within the PJM Pre-Expansion Zones (excluding Allegheny Power) or between the PJM Pre-Expansion Zones (excluding Allegheny Power) and Allegheny Power. The Market Participant with the tie meter or generator meter experiencing the error shall account for the full amount of the discrepancy and an appropriate debit or credit shall be applied among Electric Distributors that report hourly net energy flows from metered Tie Lines in the Pre-Expansion Zones (excluding Allegheny Power) in proportion to the load consumed in their territories. The error shall be accounted for by a correction at the end of the billing cycle. For Market Participants that are Electric Distributors that request the debit and credit to be further allocated to all Network Service Users in their territory (as documented in the PJM Manuals), where all Load Serving Entities in the respective Electric Distributor territory agree, the appropriate debit or credit shall be applied among Network Service Users in proportion to their deliveries to load served in the applicable territory.

### 3.6.4 Meter Corrections Between Control Areas.

An error between accounted for and metered interchange between a Party in the PJM Region and an entity in a Control Area other than the PJM Region shall be corrected by adjusting the hourly meter readings. If this is not practical, the error shall be accounted for by a correction at the end of the billing cycle. The Market Participant with ties or Dynamic Transfers with such other Control Area experiencing the error shall account for the full amount of the discrepancy. However, if the meter correction applies to a tie on the 500 kV system between the PJM Pre-Expansion Zones (excluding Allegheny Power) and other Control Areas, Electric Distributors that report hourly net energy flows from metered Tie Lines in the Pre-Expansion Zones (excluding Allegheny Power) shall account for the full amount of the discrepancy in proportion to the load consumed in their territories. The appropriate debit or credit shall be applied among Network Service Users in proportion to their deliveries to load served in the PJM Region. The Office of the Interconnection will adjust the actual or scheduled interchange between the other Control Area and the PJM Region to maintain a proper record of inadvertent energy flow.

### 3.6.5 Meter Correction Data.

Meter error data shall be submitted to the Office of the Interconnection not later than the last Business Day of the month following the end of the monthly billing cycle applicable to the meter correction.

### 3.6.6 Correction Limits.

A Market Participant may not assert a claim for an adjustment in billing as a result of a meter error for any error discovered more than two years after the date on which the metering occurred. Any claim for an adjustment in billing as a result of a meter error shall be limited to bills for transactions occurring in the most recent annual accounting period of the billing Market Participant in which the meter error occurred, and the prior annual accounting period.





Market Settlements Subcommittee Conference Call November 17, 2015 1:00 p.m. – 4:00 p.m. EST

### Commission de la commis

PJM reviewed the Anti-Trust Policy, Code of Conduct and Media Participation Policy and performed roll call. The Subcommittee approved the minutes from the October 20, 2015 MSS meeting.

PJM discussed the November 19, 2015 SSO release to PowerMeter and InSchedule, and the date change for the December MSS meeting, which was moved from December 15th to the 14th.

### Marking the same

Network Service Peak Load Data Submission

Mr. Ray Fernandez, PJM, reviewed the redline changes to Manual 27 related to the proposed Daily Zonal Scaling Factor changes in eRPM. The problem statement, issue charge, poll results, and first reading of the Manual 27 changes will be discussed at the December 2, 2015 MIC meeting.

2. FERC NOPR Update - Sub-Hourly Settlements

Mr. Ray Fernandez, PJM, provided an update on the FERC NOPR on sub-hourly settlements, which was published in the Federal Register on September 30, 2015. PJM will provide answers to the questions outlined by FERC in the NOPR on November 30, 2015.

PJM has set up a mailbox (<u>priceformationnopr@pjm.com</u>) for members to submit any questions, comments or concerns.

3. Third Settlement ("Settlement C") Business Process

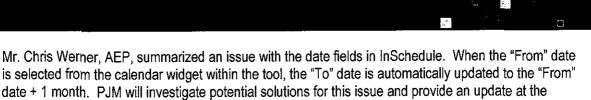
Mr. Brian Shaffer, Pepco Holdings, Inc. provided education on the various causes of Settlement C requests and described how AMI metering can assist with identifying these issues but not eliminate them.

Mr. Jeffrey Whitehead, Direct Energy, provided education on the causes of Settlement C requests and the associated impacts.

The four packages in the Settlement C Matrix were discussed in detail. The updated Settlement C Matrix was posted under the November 17, 2015 subcommittee meeting materials on pjm.com. Members were asked to submit any new packages or provide updates to their existing packages by November 24, 2015. The subcommittee will continue to discuss the Settlement C Matrix packages at the December 14, 2015 MSS meeting. Emails related to Settlement C should be sent to mss@pim.com.

4. To/From Dates for InSchedule





### Misgelfineous suntamentalients are

No recent report changes were discussed. HOWEAVER ENGINEERING TO SEE SEE SEE

December 14, 2015 MSS meeting.

Participants will have the opportunity to request the addition of any new item(s) to the agenda of a future meeting.

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1:00 p.m. – 4:00 p.m.	Conference Call
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PJM Interconnection, LLC

PJM Interconnection, LLC

PJM Interconnection, LLC

IMG Midstream LLC

Fernande	z, Ray (C	nair)
DiSciullo,	Nicholas	(Secretary)

Adams, Dana Atlas, Ted Bertocchi, John Bloom, David Bolan, Martin Borradaile, Michael Caruthers, Anna Chesser, Kathrina Cicero, Nicholas Cook, Patrick Coyne, Suzanne Curtis, Eileen Davis, Connie Dessender, Harry Di Iorio, Michelle Drakely, Nicole

Dugan, Chuck

Filomena, Guy

Foladare, Kenneth

Flamm, Sean

Farber, John

Duke Energy Ohio, Inc. (EDC) Talen Energy Marketing, LLC Metropolitan Edison Company Baltimore Gas and Electric Company FirstEnergy Solutions Corp. PJM Interconnection, LLC FirstEnergy Solutions Corp. Power Costs Inc. FirstEnergy Solutions Corp-Potomac Electric Power Company PJM Interconnection, LLC Commonwealth Edison Company City of Cleveland, DPU, Div of Cleveland Public Pwr Customized Energy Solutions, Ltd.\* PSEG Energy Resources and Trade LLC PPL Electric Utilities Corp. dba PPL Utilities East Kentucky Power Cooperative, Inc. DE Public Service Commission Customized Energy Solutions, Ltd.\*

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PBF Power Marketing LLC Calpine Energy Services, L.P. Appalachian Power Company PSEG Energy Resources and Trade LLC Public Service Electric & Gas Company GT Power Group North Carolina Electric Membership Corporation Talen Energy Marketing, LLC Dayton Power & Light Company (The) Virginia Electric & Power Company Northern Virginia Electric Cooperative Dayton Power & Light Company (The) PJM Interconnection, LLC PJM Interconnection, LLC Dominion Energy Marketing, Inc. Dominion Energy Marketing, Inc. Baltimore Gas and Electric Customized Energy Solutions, Ltd.\* Allegheny Electric Cooperative Inc. North Carolina Municipal Power Agency #x Atlantic City Electric Company Appalachian Power Company PJM Interconnection, LLC ACES Power Marketing New York Power Authority Baltimore Gas and Electric Company PSEG Energy Resources and Trade LLC Brookfield Energy Marketing LP EcoGrove Wind, LLC Noble Americas Energy Solutions LLC Cogen Technologies unknown IPR-GDF SUEZ Energy Marketing NA, Inc. Pennsylvania Renewable Resources, Associates Calpine Energy Services, L.P. McNees Wallace & Nurick LLC PJM Interconnection, LLC PECO Energy Company Wabash Valley Power Association, Inc. Public Service Electric & Gas Company Jersey Central Power & Light Company PJM Interconnection, LLC East Kentucky Power Cooperative, Inc. Commonwealth Chesapeake Company, LLC Commonwealth Edison Company **Duquesne Light Company** ITC Mid-Atlantic Development LLC **ACES Power** GT Power Group Union Electric Company d/b/a Ameren Missouri **Dominion Virginia Power** Buckeye Power, Inc. PECO Energy Company

Generation Owner Generation Owner Transmission Owner Transmission Owner Transmission Owner Not Applicable Electric Distributor Generation Owner Transmission Owner Transmission Owner Electric Distributor Transmission Owner Not Applicable Not Applicable Generation Owner Generation Owner Transmission Owner Not Applicable Electric Distributor Other Supplier Electric Distributor Transmission Owner Not Applicable Not Applicable Other Supplier Transmission Owner Transmission Owner Other Supplier Generation Owner Other Supplier Generation Owner unknown Other Supplier Generation Owner Generation Owner Not Applicable Not Applicable Transmission Owner Electric Distributor Transmission Owner Transmission Owner Not Applicable Transmission Owner Generation Owner Transmission Owner Transmission Owner Other Supplier 206.169.250.185 Not Applicable Other Supplier Not Applicable Electric Distributor Transmission Owner

Reid, Ryan

Reilly, Carol





Author: Nicholas DiSciullo

Dominion Virginia Power Pennsylvania Electric Company Customized Energy Solutions, Ltd.\* Public Service Electric & Gas Company Noble Americas Energy Solutions, LLC Tangent Energy Solutions, Inc. Cleveland Public Power Pennsylvania Electric Company Atlantic City Electric Company FirstEnergy Solutions Corp. Tenaska Power Services Co. Commonwealth Edison Company Allegheny Electric Cooperative, Inc. PSEG Energy Resources and Trade LLC Appalachian Power Company Direct Energy Business Marketing, LLC FirstEnergy Solutions Corp. ABB Network Management Energy Curtailment Specialists, Inc. Rockland Electric Company PECO Energy Company

Not Applicable Transmission Owner Not Applicable Transmission Owner Other Supplier Other Supplier Not Applicable Transmission Owner Electric Distributor Transmission Owner Generation Owner Transmission Owner Electric Distributor Transmission Owner Transmission Owner Other Supplier Transmission Owner Not Applicable Other Supplier Transmission Owner Transmission Owner



### **Draft Meeting Minutes**

1

Market Settlements Subcommittee Conference Call February 18, 2016 1:00 p.m. – 4:00 p.m. EST

### Administration

- PJM reviewed the Anti-Trust Policy, Code of Conduct and Media Participation Policy and performed roll call. The Subcommittee approved the minutes from the January 21, 2016 MSS meeting.
- Mr. Ray Fernandez, PJM, provided an update on the Daily Zonal Scaling Factor change, which was approved at the MRC on January 28, 2016. PJM is working with their software vendor for a time and cost estimate.
- Mr. Ray Fernandez, PJM, provided an update on the InSchedule From/To Date change, which is targeted for a Q1 implementation.

### Working Issues

1. Third Settlement ("Settlement C") Business Process

Mr. John McComb, PJM, presented education material on UFE, and Mr. Ray Fernandez, PJM, reviewed the Settlement C Poll results. The purpose of the poll was to quantify support for the various packages in the Settlement C Matrix, and the results showed that no package had more than 50% support.

The Subcommittee decided to conduct a second poll which will focus on high-level "theme" questions covering various aspects of the Settlement C issue. The goal of the poll is to determine whether or not the Subcommittee wants to move forward with the Settlement C issue, and if so, provide the package owners and Subcommittee members information on where interest lies for the various design components. The results of the poll will be discussed at the March 17, 2016 MSS meeting. Emails related to Settlement C should be sent to mss@pim.com.

### Miscellaneous Settlements Items

No recent report changes were discussed.

### Future Agenda Items

Participants will have the opportunity to request the addition of any new item(s) to the agenda of a future meeting.

### Future Meeting Dates

March 17, 2016	1:00 p.m. – 4:00 p.m.	Conference Call
April 21, 2016	1:00 p.m. – 4:00 p.m.	Conference Call
May 24, 2016	1:00 p.m. – 4:00 p.m.	Conference Call
June 16, 2016	1:00 p.m. – 4:00 p.m.	Conference Call
July 21, 2016	1:00 p.m. – 4:00 p.m.	Conference Call

EXHIBIT

Direct 5



### **Draft Meeting Minutes**

14

August 18, 2016 September 22, 2016 October 13, 2016 November 10, 2016 December 8, 2016 1:00 p.m. – 4:00 p.m. Conference Call Conference Call Conference Call Conference Call Conference Call

### Meeting Attendees

Fernandez, Ray (Chair) Disciullo, Nicholas (Secretary)

Adams, Dana Atlas, Ted Bargas, Steven Bertocchi, John Bloom, David Blume, Craig Bolan, Martin Bonanni, John

Borradaile, Michael Brito, Daisy Budney, Dave Caruthers, Anna Chesser, Kathrina Cicero, Nick Coleman, Robert

Cook, Patrick Coyne, Suzanne Davis, Connie Dessender, Harry Farber, John Filomena, Guy Flamm, Sean Foladare, Kenneth Fuess, James

Gleckler, Eric Gondek, John Grisolia, Albert Hart, Joy Hartman, Garv

Garcia, Max

Hemmert, John Hewett, Chris Higgins, Sharon Hugee, Jacqulynn

James, Denise James, Louise Jerry, Kelvin Johnson, Carl Jones, Sharron PJM Interconnection, LLC
PJM Interconnection, LLC
Duke Energy Ohio, Inc. (EDC)
Talen Energy Marketing, LLC
Big Sandy Peaker Plant, LLC

Metropolitan Edison Company Baltimore Gas and Electric Company

UGI Energy Services, Inc. FirstEnergy Solutions Corp. NRG Power Marketing LLC PJM Interconnection, LLC

Long Island Lighting Company d/b/a LIPA

PJM Interconnection, LLC FirstEnergy Solutions Corp.

Power Costs Inc.

FirstEnergy Solutions Corp. BP Energy Company

Potomac Electric Power Company

PJM Interconnection, LLC

City of Cleveland, DPU, Div of Cleveland Public Pwr Customized Energy Solutions, Ltd.\*

DE Public Service Commission Customized Energy Solutions, Ltd.\*

PJM Interconnection, LLC IMG Midstream LLC PBF Power Marketing LLC Calpine Energy Services, L.P. Appalachian Power Company

PSEG Energy Resources and Trade LLC
Public Service Electric & Gas Company
North Corolina Electric Membership Coro

North Carolina Electric Membership Corporation Talen Energy Marketing, LLC

Dayton Power & Light Company (The)
Dominion Energy Marketing, Inc.

Duke Energy Commercial Asset Management, Inc.

PJM Interconnection, LLC Dominion Energy Marketing, Inc. Dominion Energy Marketing, Inc. Baltimore Gas and Electric Company Customized Energy Solutions, Ltd.\*

North Carolina Municipal Power Agency #1

Not Applicable

Not Applicable
Transmission Owner

Not Applicable Generation Owner

Transmission Owner
Transmission Owner

Other Supplier

Transmission Owner Generation Owner Not Applicable

Other Supplier
Not Applicable

Transmission Owner Not Applicable

Transmission Owner Other Supplier Electric Distributor

Not Applicable Electric Distributor

Not Applicable
Not Applicable
Not Applicable

Not Applicable Generation Owner Generation Owner

Generation Owner Transmission Owner Transmission Owner Transmission Owner

Transmission Owner
Electric Distributor
Generation Owner
Transmission Owner
Generation Owner

Generation Owner Generation Owner Not Applicable Generation Owner

Generation Owner Transmission Owner Not Applicable

Other Supplier



### **Draft Meeting Minutes**



1



Juhrden, Jane Kendall, Brandon Kingston, Amber Kotras, Craig Krauss, Robert Krishnaraj, Morgini Loudenburg, Zack Lovely, Christina Mabry, David Magee, Daphney McComb, John Menciano, Christina Mendez, Maria Miller, Sara Mollenkopf, Sandy Murphy, Francine Myser, Carole Nichols, Lloyd Norton, Chris O'Donnell, Vilija Peoples, John Phillips, Amanda Pleavin, Cherie Popella, Jeff Pratzon, David Quaintance, Dick Rayhorn ES, Carolyn Reid, Ryan Rieger, Laura Salem, Jay Sasser, Jonathan Saxe, Barbara Sensenig, Jim Suh, Juna Teamann, Cindy Verduin, Glenn Walter, Laura Werner, Christopher Whitehead, Jeffrey Wilhite, Chad Wise, Eric

Atlantic City Electric Company Appalachian Power Company North Carolina Electric Membership Corporation Baltimore Gas and Electric Company Public Service Electric & Gas Company Brookfield Energy Marketing LP Pennsylvania Renewable Resources, Associates Calpine Energy Services, L.P. McNees Wallace & Nurick LLC Public Service Electric & Gas Company PJM Interconnection, LLC Energy Authority, Inc. (The) Public Service Electric & Gas Company EcoGrove Wind, LLC East Kentucky Power Cooperative, Inc. PJM Interconnection, LLC Appalachian Power Company Commonwealth Chesapeake Company, LLC American Municipal Power, Inc. Commonwealth Edison Company Duquesne Light Company Wabash Valley Power Association, Inc. Duke Energy Ohio Inc Dayton Power & Light Company (The) GT Power Group Appalachian Power Company Dominion Virginia Power Buckeye Power, Inc. **ACES Energy** Pennsylvania Electric Company Customized Energy Solutions, Ltd.\* Public Service Electric & Gas Company Pennsylvania Electric Company Noble Americas Energy Solutions LLC FirstEnergy Solutions Corp. Public Service Electric & Gas Company PJM Interconnection, LLC Appalachian Power Company Direct Energy Business Marketing, LLC FirstEnergy Solutions Corp. Energy Authority, Inc. (The) PECO Energy Company

Electric Distributor Transmission Owner Electric Distributor Transmission Owner Transmission Owner Other Supplier Generation Owner Generation Owner Not Applicable Transmission Owner Not Applicable Other Supplier Transmission Owner Generation Owner Transmission Owner Not Applicable Transmission Owner Generation Owner Electric Distributor Transmission Owner Transmission Owner Electric Distributor Transmission Owner Transmission Owner Not Applicable Transmission Owner Not Applicable Electric Distributor Not Applicable Transmission Owner Not Applicable Transmission Owner Transmission Owner Other Supplier Transmission Owner Transmission Owner Not Applicable Transmission Owner Other Supplier Transmission Owner Other Supplier Transmission Owner

Author: Nicholas DiSciullo

Zacconi, Bruno



# Settlement C Polling Results

Market Settlements Subcommittee February 18, 2016

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- Settlement C Matrix Purpose of Poll is to quantify support for the various packages in the
- 119 responses received, 29 unique responders
- Poll Format
- Executive Summary provided by Package Owner
- "Can you support Package?"
- Yes
- No
- Comments for Package

### Package A

This package would make use of a billing services agreement for any adjustments after the current 60 day Settlement B deadline. The agreement would be signed by the parties that wish to be involved in the adjustment and PJM. Parties involved would perform all settlement calculations and provide PJM with bilateral adjustments netting to \$0. A nominal processing fee would be paid by the requesting party. PJM would perform the financial adjustments only, which would not require a rerun in the settlements system. EDCs would be required to coordinate with affected parties, and PJM would notify the affected parties with regards to the resettlement.

The main benefits to this package include:

- 1. Allows the EDCs to resettle with all parties that sign the billing services agreement. Full signoff of affected parties would no longer be necessary to resettle.
- 2. Gives members the ability to view all financial transactions through PJM's settlement system.

# Can you support Package A?



Yes

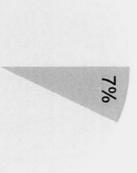
N<sub>O</sub>



### Package B

The theory behind this proposal is that all competitive or contract retail energy providers in an EDC zone should have an interest in getting wholesale energy volumes and costs that are accurate and consistent with their retail energy customer list and revenues. Key features of this option are that every LSE in a zone must participate in a settlement C event, that Settlement C rebillings to not impact market participants other than the LSEs serving a zone, and that EDCs who perform retail billing for LSEs in their zone commit to performing any retail invoicing to bring LSE costs and revenues as much into line as possible.

# Can you support Package B?



■ Yes

N<sub>O</sub>

93%

### Results

## Package B-Prime

This proposal is identical to Proposal B, except that rebillings under Settlement C would not apply to customers with hourly retail meters unless those customers' initial meter readings had been estimated or otherwise were in error. Part of the original rationale for this option was the mistaken belief that EDC allocations of UFE to hourly metered customers would not change in most Settlement C events.

# Can you support Package B-Prime?

3%

Yes

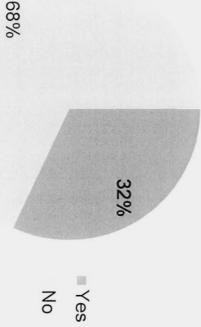
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97%

## Package C

This proposal is essentially "Status Quo." In an effort to improve the process, the Deadline for Adjustments will be reduced from 2 years to 18 months.

# Can you support Package C?





## Package D

lag) process. be required and there would be no dollar threshold for the Settlement C. A for the operating month at the EDC's option. No LSE sign offs would implemented and deployed at 6 months beyond the original Settlement This package proposal recommends that a full Settlement C be There would be no change made to the current Settlement B (2 month

and PJM. circumstances on a case by case basis with the approval of the MSS original Settlement A for the operating month, except in extenuating There would be no bilateral adjustments permitted 2 years beyond the

### Results

# Can you support Package D?



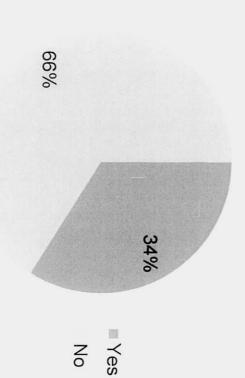
## Package E

This package views Settlement C as a tool for the EDCs to use to properly settle their zones. It makes the assumption that when there is an issue, all parties work with the EDC to come up with a fair solution.

The main benefits of this package are:

- 1. It provides an official framework for resolving issues after Settlement B outside of just using Bilateral Agreements;
- 2. PJM is performing the billing, so it eliminates possible errors when parties try to calculate charges on spreadsheets; and
- It allows the EDC to settle with the many changing retail providers without having to create a bilateral agreement between up to 100 parties.

# Can you support Package E?





- No Package received >50% support
- Next Steps:
- Discuss poll comments posted with meeting materials
- Consider combining packages
- Further discussion or take to MIC?





# Settlement C Theme Polling Results

Market Settlements Subcommittee March 17, 2016

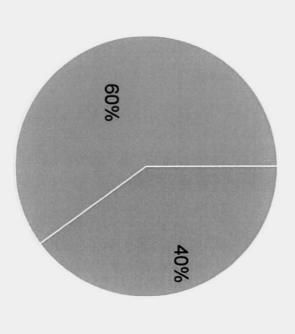
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- Purpose of the poll is to determine whether or not the Subcommittee the package owners and Subcommittee members information on wants to move forward with the Settlement C issue, and if so, provide where interest lies for the various design components
- 119 responses received, 22 unique responders



# Is the lack of a Settlement C a problem worth pursuing?

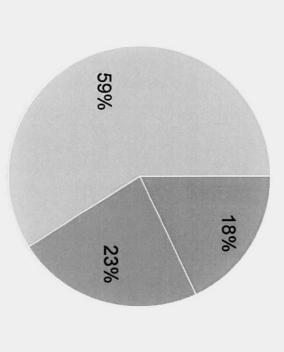


- Yes the current process has issues and we need to work towards a solution
- No Maintain Status Quo



# What consent should be required for Settlement C?

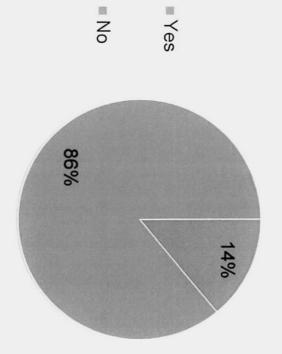
Results



- 100% consent by all affected LSEs
- No consent required
- No consent required but with a dispute process in place



# Should Settlement C billing impact meter error corrections only?



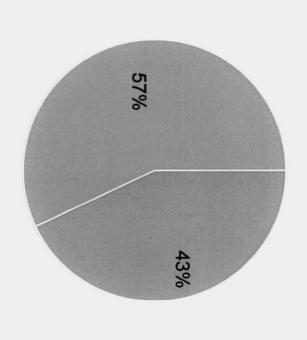
### Results

# What other reasons should be allowed for a Settlement C rerun?

- Anything that changes a Supplier's kwh energy obligation should allow for incorrect load profile assignment, etc Settlement C. For example, misassigned accounts, incorrect loss factor,
- billing errors, enrollment errors, meter estimates
- Incorrect Account Assignments
- accounts has had an impact At the very least, we also know that incorrect assignment of customer
- Any cause of an incorrect allocation of load responsibilities; e.g., incorrect UFE allocation, settlement / metering system failure, profile error, etc
- Any situation that results in an incorrect allocation of load responsibilities would result in the opportunity for a Settlement C, i.e., customer switching 60-Day Settlement B Reconciliation deadlines system failures, and any other such problems that are not detected by the profiles that could not be reconciled with actual data due to problems problems caused by upstream billing system problems, use of estimated
- Correction of any error in load allocations
- Any situation that requires a resettlement should be included in this process.EX: Billing or EDI items/issues
- system errors
- material changes to LMP

### Results

# Who are the impacted parties of a Settlement C rerun?

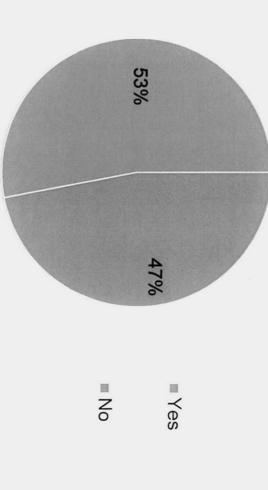


- Only the EDCs, LSEs (wholesale and retail) who are serving load or directly affected within the EDC zone
- Potentially all market participants in PJM due to the inclusion of load reconciliation data in certain charge allocations (e.g. Balancing Operating Reserve Charges for deviations)



Results

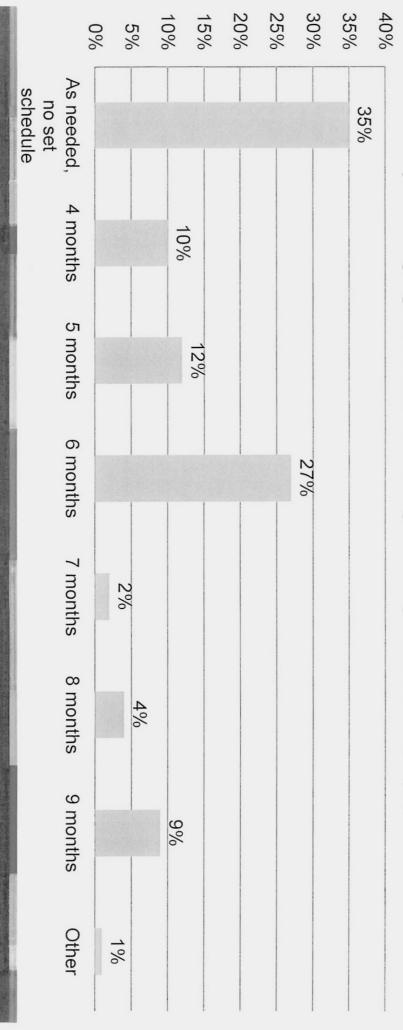
## data before PJM executes the Settlement B Load Reconciliation process? deadline for EDCs, so LSEs would have the opportunity to review the Do you support changing the Load Reconciliation (Settlement B) For example, if EDCs were required to submit load rec





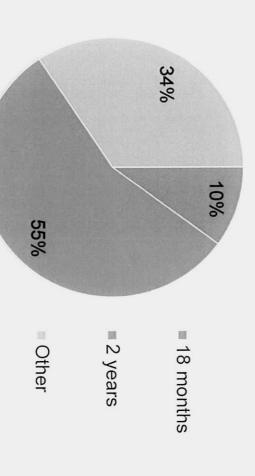
### Results

### Which data submittal timeframe selections do you support, if any? Please select up to 3 choices, ranking them 1-3, with 1 being the most preferred selection. The Settlement C processing lag is in relation to the original billing month. For example, Feb





### Which deadline do you support for Settlement C adjustments?



### If other, which deadline do you support for Settlement C adjustments?

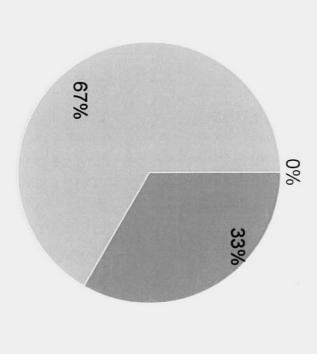
- Our understanding of this question is that it applies to the current Settlement C voluntary process, which we see no reason to change
- 1 year
- 6 months
- None



Settlement C. Majority support for maintaining status quo and not pursuing a solution for



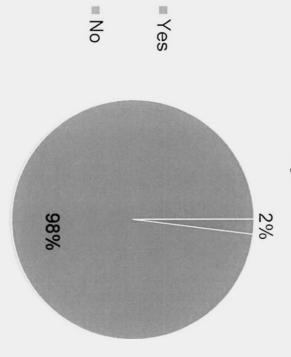
# What consent should be required for Settlement C?



- 100% consent by all affected LSEs
- No consent required
- No consent required but with a dispute process in place



### Should Settlement C billing impact meter error corrections only?



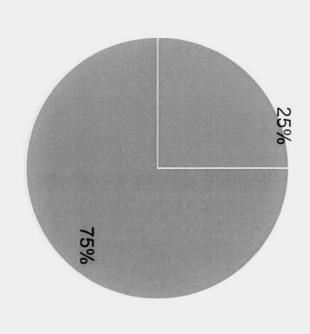
## Filtered Results (Removing Status Quo)

# What other reasons should be allowed for a Settlement C rerun?

- Settlement C. For example, misassigned accounts, incorrect loss factor, Anything that changes a Supplier's kwh energy obligation should allow for incorrect load profile assignment, etc
- billing errors, enrollment errors, meter estimates
- Incorrect Account Assignments
- accounts has had an impact. At the very least, we also know that incorrect assignment of customer
- Any cause of an incorrect allocation of load responsibilities; e.g., incorrect UFE allocation, settlement / metering system failure, profile error, etc
- 60-Day Settlement B Reconciliation deadlines. system failures, and any other such problems that are not detected by the profiles that could not be reconciled with actual data due to problems, problems caused by upstream billing system problems, use of estimated would result in the opportunity for a Settlement C, i.e., customer switching Any situation that results in an incorrect allocation of load responsibilities
- Correction of any error in load allocations
- Any situation that requires a resettlement should be included in this process.EX: Billing or EDI items/issues
- system errors
- material changes to LMP



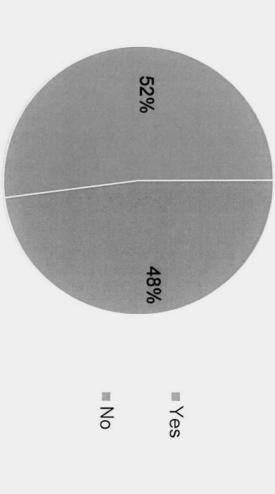
# Who are the impacted parties of a Settlement C rerun?



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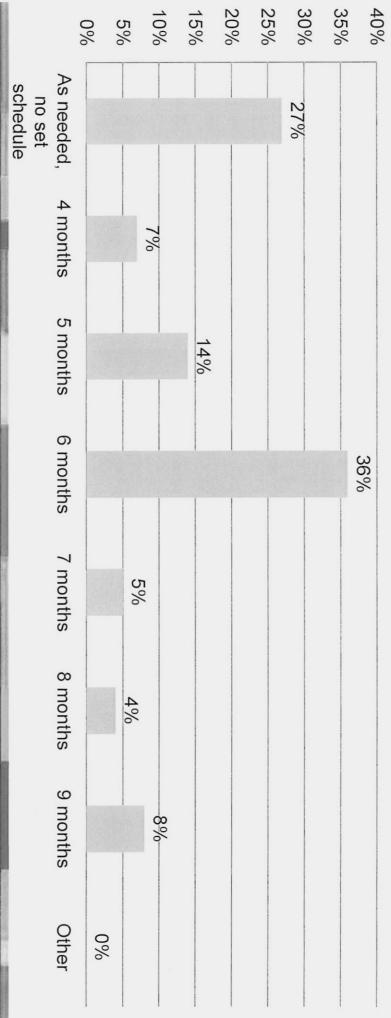


data before PJM executes the Settlement B Load Reconciliation process? deadline for EDCs, so LSEs would have the opportunity to review the Do you support changing the Load Reconciliation (Settlement B) For example, if EDCs were required to submit load rec





Which data submittal timeframe selections do you support, if any? Please select up to 3 choices, ranking them 1-3, with 1 being the most preferred selection. The Settlement C processing lag is in relation to the original billing month. For example, Feb



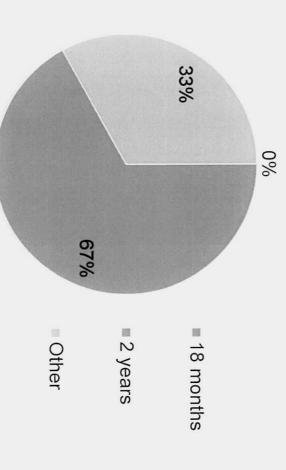
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### Which deadline do you support for Settlement C adjustments?



## Filtered Results (Removing Status Quo)

### for Settlement C adjustments? If other, which deadline do you support

- Our understanding of this question is that voluntary process, which we see no it applies to the current Settlement C reason to change
- 1 year
- 6 months
- None



### **Meeting Minutes**

Market Settlements Subcommittee Conference Call April 21, 2016 1:00 p.m. – 4:00 p.m. EST

### Administration

PJM reviewed the Anti-Trust Policy, Code of Conduct and Media Participation Policy and performed roll call. The Subcommittee approved the minutes from the March 17, 2016 MSS meeting.

### Working Issues

1. Third Settlement ("Settlement C") Business Process

Mr. Ray Fernandez, PJM, reviewed the Settlement C discussion from the April 6, 2016 MIC meeting. At the MIC, Ray provided an update on the process followed by the MSS and the results of the two Settlement C polls. The MIC conducted a vote to determine whether the Subcommittee should continue to work the Settlement C issue or terminate the work. The results of the MIC vote were 98 in favor of terminating the work, 53 in favor of the MSS continuing to work the issue, and 23 abstentions. As a result, the Settlement C agenda item will be removed from discussion at the MSS.

2. Capacity Performance Charges and Bonus Performance Credits

Mr. Ed Rich, PJM, discussed the upcoming billing and report changes related to Capacity Performance. Based on feedback received during the meeting, PJM will be designing the MSRS reports and billing statements to show Non-Performance Charges and Bonus Performance Credits in a single line item for all events billed within a month. PJM will summarize these designs at the May 24, 2016 MSS meeting.

3. ARR Ownership Reassignments

Ms. Cheryl Cloud, PJM, provided a presentation on ARR Ownership Reassignments and the June 1 implications. While the process has not changed from previous years, PJM is interested in minimizing any issues that may arise.

In order for PJM to accurately maintain and process the ARRs for an organization, PJM Settlements encourages and requests members to submit any known modeling changes that affect ARRs, and a list of any Directed Transfer Requests (dating back to February 29, 2016), to their Client Manager and/or the PJM Settlements prior to the upcoming June 1st processing day.

The Subcommittee will discuss this topic again at the May 24, 2016 MSS meeting.

### Miscellaneous Settlements Items

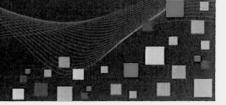
Mr. Sean Flamm, PJM, discussed the upcoming change to the MSRS application, which will be migrated to the Single Sign On (SSO) login process on May 4, 2016. The Regulation Credits and Load Response Regulation Credits report changes were released to Production on Monday, April 25, 2016. Details on the report updates were communicated to the MSS distribution list on April 4, 2016.

EXHIBIT

Direct 8



### **Meeting Minutes**



Not Applicable

### Future Agenda Items

Participants will have the opportunity to request the addition of any new item(s) to the agenda of a future meeting.

	leeti		

May 24, 2016	1:00 p.m 4:00 p.m.	Conference Call
June 23, 2016	1:00 p.m 4:00 p.m.	Conference Call
July 21, 2016	1:00 p.m 4:00 p.m.	Conference Call
August 18, 2016	1:00 p.m 4:00 p.m.	Conference Call
September 22, 2016	1:00 p.m 4:00 p.m.	Conference Call
October 13, 2016	1:00 p.m 4:00 p.m.	Conference Call
November 10, 2016	1:00 p.m 4:00 p.m.	Conference Call
December 8, 2016	1:00 p.m. – 4:00 p.m.	Conference Call
PROSET SECURIOR PRODUCT PROGRAMME		CHARLES OF THE OWN DESIGNATION OF THE PARTY

### In-Person Attendees

Fernandez, Ray (Chair)	PJM Interconnection, LLC	Not Applicable
DiSciullo, Nicholas (Secretary)	PJM Interconnection, LLC	Not Applicable
Johnson, Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Pratzon, David	GT Power Group	Not Applicable
Borradaile, Michael	PJM Interconnection, LLC	Not Applicable
Budney, David	PJM Interconnection, LLC	Not Applicable
Cloud, Cheryl	PJM Interconnection, LLC	Not Applicable
Coyne, Suzanne	PJM Interconnection, LLC	Not Applicable
Flamm, Sean	PJM Interconnection, LLC	Not Applicable
McComb, John	PJM Interconnection, LLC	Not Applicable
Rich, Ed	PJM Interconnection, LLC	Not Applicable

Aces Power Marketing

### Attendees via Teleconference

Kingston, Amber

	rioco i ciroi mamoung	110t / ippiiodibio
Phillips, Amanda	Aces Power Marketing	Not Applicable
Reid, Ryan	Aces Power Marketing	Not Applicable
Treadwell, Albert	Allegheny Electric Cooperative, Inc.	Electric Distributor
Ondayko, Brock	Appalachain Power Company	Transmission Owner
Werner, Christopher	Appalachian Power Company	Transmission Owner
Juhrden, Jane	Atlantic City Electric Company	Electric Distributor
Shaffer, Brian	Atlantic City Electric Company	Electric Distributor
Bloom, David	Baltimore Gas and Electric Company	Transmission Owner
Jerry, Kelvin	Baltimore Gas and Electric Company	Transmission Owner
Coleman, Robert	BP Energy Company	Other Supplier
Bernier, Monica	Calpine Energy Services, L.P.	Generation Owner
Garcia, Max	Calpine Energy Services, L.P.	Generation Owner
Nichols, Lloyd	Commonwealth Chesapeake Company, LLC	Generation Owner
O'Donnell, Vilija	Commonwealth Edison Company	Transmission Owner
Scherer, Paul	Commonwealth Edison Company	Transmission Owner
Chaudhry, Sanaa	Constellation Energy Power Choice	Other Supplier
Filomena, Guy	Customized Energy Solutions, Ltd.*	Not Applicable
Sasser, Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
Farber, John	DE Public Service Commission	Not Applicable
Whitehead, Jeffrey	Direct Energy Business Marketing, LLC	Other Supplier
Jaffary, Rafi	Dominion Energy Marketing, Inc.	Generation Owner
James, Louise	Dominion Energy Marketing, Inc.	Generation Owner
Hopkins, Sandra	Dominion Virginia Power	Not Applicable

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### **Meeting Minutes**



Dominion Virginia Power DTE Energy Supply, Inc. Duke Energy Ohio, Inc. Duquesne Light Company East Kentucky Power Cooperative, Inc. EcoGrove Wind, LLC Energy Authority, Inc. (The) Energy Authority, Inc. (The) Energy Curtailment Specialists, Inc. Exelon Generation Co., LLC Exelon Generation Co., LLC Exelon Generation Co., LLC FirstEnergy Solutions Corp. Grand Ridge Energy LLC GT Power Group Illinois Municipal Electric Agency IMG Midstream LLC McNees Wallace & Nurick LLC Metropolitan Edison Company New York Power Authority Noble Americas Energy Solutions LLC North Carolina Municipal Power Agency #1 Northeast Maryland Waste Disposal Authority Northern Virginia Electric Cooperative NRG Curtailment Solutions PBF Power Marketing LLC Pennsylvania Electric Company Pennsylvania Renewable Resources, Associates PJM Interconnection, LLC PJM Interconnection, LLC PJM Interconnection, LLC PJM Interconnection, LLC Potomac Electric Power Company Power Costs Inc. Powerex PPL Electric Utilities Corp. dba PPL Utilities PSEG Energy Resources and Trade LLC PSEG Energy Resources and Trade LLC Public Service Electric & Gas Company Public Service Electric & Gas Company

Talen Energy Marketing, LLC

Talen Energy Marketing, LLC

Unison Energy

Not Applicable Other Supplier Transmission Owner Transmission Owner Transmission Owner Generation Owner Other Supplier Other Supplier Other Supplier Generation Owner Generation Owner Generation Owner Transmission Owner Transmission Owner Transmission Owner Transmission Owner Transmission Owner Transmission Owner Generation Owner Not Applicable Electric Distributor Generation Owner Not Applicable Transmission Owner Other Supplier Other Supplier Other Supplier Generation Owner Electric Distributor Other Supplier Generation Owner Transmission Owner Generation Owner Not Applicable Not Applicable Not Applicable Not Applicable Electric Distributor Not Applicable Other Supplier Transmission Owner Generation Owner Generation Owner Not Applicable

Author: Nicholas DiSciullo

EXHIBIT

Direct 9

### BEFORE THE PUBLIC UTILITIES COMMISSION OF OHIO

Direct Energy Business, LLC,	)
Complainant,	) ) ) Case No. 17-791-EL-CSS
v.	)
Ohio Edison Company and The Cleveland Electric Illuminating Company,	) ) )
Respondents.	) ) )

### OHIO EDISON COMPANY AND THE CLEVELAND ELECTRIC ILLUMINATING COMPANY'S OBJECTIONS AND RESPONSES TO DIRECT ENERGY BUSINESS LLC'S FIRST SET OF INTERROGATORIES AND REQUESTS FOR PRODUCTION OF DOCUMENTS

Pursuant to Rules 4901-1-19 and 4901-1-20 of the Ohio Administrative Code, Respondents Ohio Edison Company and The Cleveland Electric Illuminating Company (collectively, the "Companies") object and respond to Complainant Direct Energy Business, LLC's First Set of Interrogatories and Requests for Production of Documents as follows:

### DIRECT ENERGY SET 1

### RESPONSES TO FIRST SET OF INTERROGATORIES

As to Objections: Legal

1-INT-001

Identify the "Previous Supplier" referenced in paragraph 11 of

Respondents' Answer.

RESPONSE

The Companies object to this request because it seeks irrelevant, thirdparty information and/or information not reasonably calculated to lead to

the discovery of admissible evidence.

### **DIRECT ENERGY SET 1**

As to Objections: Legal

1-INT-002

Identify each provision of Respondents' Electric Generation Supplier Coordination Tariff that imposed a legal obligation for Respondents to reimburse the Previous Supplier.

RESPONSE

### **DIRECT ENERGY SET 1**

As to Objections: Legal

1-INT-003

Identify each provision of the PJM Open-Access Transmission Tariff that imposed a legal obligation for Respondents to reimburse the Previous Supplier.

RESPONSE

### **DIRECT ENERGY SET 1**

As to Objections: Legal

1-INT-004

Identify each contract that imposed a legal obligation for Respondents to reimburse the Previous Supplier.

RESPONSE

### **DIRECT ENERGY SET 1**

As to Objections: Legal

1-INT-005

To the extent not identified in response to Interrogatory Nos. 2-4 above, identify any other agreement, tariff, statute, or other authority that Respondents contend imposed a legal obligation to reimburse the Previous Supplier.

RESPONSE

### **DIRECT ENERGY SET 1**

As to Objections: Legal

1-INT-006

Identify each of the eleven suppliers referenced in Paragraph 1 of the Affirmative Defenses section of Respondents' Answer.

RESPONSE

### DIRECT ENERGY SET 1

As to Objections: Legal

### 1-INT-007

For each supplier identified in response to Interrogatory No. 6, identify:

- a. The suppliers that "cooperated with the Companies to make the proper settlements with PJM," as referenced in Paragraph 1 of the Affirmative Defenses section of Respondents' Answer;
- b. The suppliers that did not "cooperate[] with the Companies to make the proper settlements with PJM," as referenced in Paragraph 1 of the Affirmative Defenses section of Respondents' Answer; and
- c. All documents and communications between or among Respondents and the suppliers concerning rebilling, resettlement, or other adjustment of PJM market costs.

### RESPONSE

### **DIRECT ENERGY SET 1**

As to Objections: Legal

1-INT-008

Identify each fact witness Respondents intend to produce at hearing.

RESPONSE

The Companies object to this request because it is premature, and it seeks information protected from disclosure by the attorney-client privilege and/or attorney work product doctrine. Subject to and without waiving the foregoing objection: Respondent has not decided which fact witnesses, if any, may be called at hearing. Respondent will provide the identity of its fact witness(es) in accordance with Commission rules and orders at the appropriate time.

### **DIRECT ENERGY SET 1**

As to Objections: Legal

1-INT-009

Identify each expert witness Respondents intend to produce at hearing.

RESPONSE

The Companies object to this request because it is premature, and it seeks information protected from disclosure by the attorney-client privilege and/or attorney work product doctrine. Subject to and without waiving the foregoing objection: Respondent has not decided which expert witnesses, if any, may be called at hearing. Respondent will provide the identity of its expert witness(es) in accordance with Commission rules and orders at the appropriate time.

Page 9 of 16

**DIRECT ENERGY SET 1** 

As to Objections: Legal

1-INT-010

Identify each exhibit Respondents intend to introduce at hearing.

**RESPONSE** 

The Companies object to this request because it is premature, and it seeks information protected from disclosure by the attorney-client privilege and/or attorney work product doctrine. Subject to and without waiving the foregoing objection: Respondent has not decided which exhibits, if any, may be introduced at hearing. Respondent will identify its hearing exhibits in accordance with Commission rules and orders at the appropriate time.

### **DIRECT ENERGY SET 1**

### RESPONSES TO FIRST SET OF REQUESTS FOR PRODUCTION OF DOCUMENTS

As to Objections: Legal

1-RFP-001

All documents identified in response to Interrogatories No. 1-10 above.

**RESPONSE** 

The Companies object to this request because it is overbroad, unduly burdensome, and it seeks irrelevant information and/or information not reasonably calculated to lead to the discovery of admissible evidence. The Companies further object to this request because it seeks information protected from disclosure by the attorney-client privilege and/or attorney work product doctrine.

### **DIRECT ENERGY SET 1**

As to Objections: Legal

1-RFP-002

The settlement and release agreements referenced in Paragraph 16 of the Complaint filed in Case No. 5:17-cv-00746, U.S. District Court.

RESPONSE

### **DIRECT ENERGY SET 1**

As to Objections: Legal

1-RFP-003

All documents relating to, or constituting, any assignment of rights from

the Previous Supplier to Respondents.

**RESPONSE** 

The Companies object to this request because it is overbroad, unduly burdensome, and it seeks confidential and irrelevant information and/or information not reasonably calculated to lead to the discovery of admissible evidence. The Companies further object to this request because it seeks information protected from disclosure by the attorney-

client privilege and/or attorney work product doctrine.

### **DIRECT ENERGY SET 1**

As to Objections: Legal

1-RFP-004

All documents provided to, or received from, the Previous Supplier concerning the "Supplier Mismatch Issue" (as defined in Paragraph 16 of the Complaint filed in Case No. 5:17-cv-00746, U.S. District Court).

RESPONSE

### **DIRECT ENERGY SET 1**

As to Objections: Legal

1-RFP-005

All documents provided to, or received from, PJM concerning the

Supplier Mismatch Issue.

**RESPONSE** 

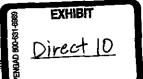
### **DIRECT ENERGY SET 1**

As to Objections: Legal

1-RFP-006

Documents referring, reflecting, or relating to Respondents' investigation of systems and processes that caused or contributed to the Supplier Mismatch Issue.

**RESPONSE** 



### PROCEDURE MANUAL FOR FIRSTENERGY OHIO OPERATING COMPANIES

### Determination of Supplier Total Hourly Energy Obligation

### **Table of Contents**

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### Introduction

This document is intended to provide a comprehensive explanation of the methodology and mechanics FirstEnergy Operating Companies of Ohio Edison, Cleveland Electric Illuminating and Toledo Edison (FEOH or Company) and Certified Retail Electric Suppliers will apply to calculate and coordinate the information transfer needed to support retail open access associated with Suppliers' energy obligations at PJM. At PJM the counterparty nomenclature is Ohio Edison Company.

As further explained below, the Company will report to PJM in a timeframe imposed by PJM the Supplier's Total Hourly Energy Obligation (THEO). The THEO will contain hourly interval metered usage for customers with Advanced Meters where available and profiled hourly-usage for customers without such meters. The hourly-usage estimate for non-interval metered customers will be the product of a Usage Factor (UF) and the hourly typical-class usage determined from daily Load Profile data provided by sampling meters on the day of usage. The UF will be calculated with billed usage data available from the immediately-prior billing cycle and the aggregate Load Profile for the corresponding period. This UF will be recalculated at the closing of each billing cycle. The THEO will include an allocation of Unaccounted for Energy (UFE). The UFE is the difference between the Company zonal load and the sum of the suppliers' daily loads.

PJM will utilize the hourly THEO values reported for each supplier to determine the hourly energy-interchange accounting and reconciliation under the terms of the PJM Operating Agreement, the PJM Open Access Transmission Tariff and FEOH's Supplier Tariff. The determination of the customer's usage for use in the THEO and the calculation of the THEO are the subject of this manual.

Please see Exhibit A for a simplified sample calculation of Energy Obligation for monthly non-interval metered customers. A discussion of the Company's load profiling methodology is posted on the Company's Supplier website.

### Determination of the Total Hourly Energy Obligation - For Initial Interchange Billing

The Supplier's Primary Total Hourly Energy Obligation (THEO) will be reported to PJM as 24 hourly numbers. Each hourly number will be the sum of the totals in each customer class for those customers served by the supplier. The Total Hourly Energy Obligation is comprised of the following components:

Primary THEO<sub>dailly</sub>= IM+NIM+NM+ZLA; Where

IM = Sum[(Interval metered) p \* (Loss Factor)p], and

NIM = Sum[(Non-interval metered) p\*(Loss Factor) p]

NM = Sum [(Non-metered)<sub>p</sub> \* (Loss Factor)<sub>p</sub>]

ZLA = Zonal Load Allocation of Unaccounted For Energy

p = Profile Group

### **Interval Metered Data**

The interval metered data will be the sum of the products of the hourly usage recorded by each interval meter in a customer class and that class's loss factor. If, for any reason, an interval meter fails to report hourly data in a given time period, the missing data will be estimated using that customer's historic usage for a similar time period.

### **Non-interval Metered Data**

The non-interval meter data will be the sum of the product of the customer's load-profile usage (CLP) in a customer class for that hour and that class's loss factor.

The hourly CLP will be calculated as follows:

CLP k=(UF) k\*(Class-Profile Hourly Usage) p

Where UF = Usage Factor

Where k = customer

### Usage Factor

The UF used to estimate a customer's usage for a given hour will be determined as the ratio of the customer's electric use for the immediately-prior billing period to the aggregate hourly Load Profile for the same period.

### PROCEDURE MANUAL FOR FIRSTENERGY OHIO OPERATING COMPANIES DETERMINATION OF SUPPLIER TOTAL HOURLY ENERGY OBLIGATION

The estimated customer hourly usage will be this UF multiplied by the typical class use for that hour as reported by the Load Profile.

If a new customer has no historic or billed usage, an estimated hourly UF of one (1) will be imputed to that customer. All others will have a UF equal to the ratio of the customer's prior total billed consumption to the total typical usage in that class.

### Non- metered Data

Unmetered service – typically street lighting and/or traffic lights. These customers electric usage is represented by Fixed Hourly Distribution (FHD) profiles. The same profile is used for each day in a given month.

### **Zonal Load Allocation for Unaccounted For Energy**

Unaccounted for Energy (UFE) will be determined by comparing the aggregate load of all Certified Suppliers and the Company at the generation level including losses to the FEOH zone load less non retail load for each respective hour. The difference will then be allocated based on a ratio of each Certified Supplier's load to the total load of the Certified Suppliers and the Company on an hourly basis.

ZLA<sub>Hourly</sub> = Zonal Load Allocation calculated hourly

Where

UFE<sub>Hourly</sub> = (Final Daily Zonal Load<sub>Hourly</sub> – Sum (Daily THEO<sub>Hourly</sub>))

 $ZLA_{Hourly} = UFE_{Hourly} * (Supplier Daily THEO_{Hourly} / Sum (Daily THEOs_{Hourly}))$ 

### Responsibilities for Coordination

To ensure successful coordination the parties will be responsible as follows:

### Supplier's Responsibilities

- The Supplier will schedule its physical energy with PJM following PJM requirements.
- The Supplier, or any third parties acting as agents, contractors, or delegates of the Supplier and in possession of any relevant data, will cooperate with reasonable audit requests by the Company or professional auditing firms acting on the Company's behalf. Such audits are intended to provide the Company with a reasonable confidence in the validity and accuracy of any information that the Company obtains from the Supplier or the third party. The Company shall bear the cost of the audit as well as the Supplier's or third party's time and expense for cooperation with the audit. The scope of the audit and the terms of payment are to be agreed upon by the Company and the Supplier or the third party prior to commencement of the audit.

### Company's Responsibilities

- The Company will compute and report daily to PJM the Supplier's THEO in a day-after-the-fact basis. This THEO will constitute the initial estimate of the Supplier's hourly load for its customers served in the FEOH Zone for the purpose of hourly energy interchange accounting by PJM.
- The Company will report the Supplier's THEO to PJM as in accordance with PJM's Operating Agreements and OATT.
- The Company will not forecast the Supplier's THEO.
- The Company will cooperate with reasonable audit requests by Suppliers or professional auditing firms acting on their behalf. Audits are intended to provide the Supplier with reasonable confidence that the Company is calculating the Supplier's energy obligations in accordance with the user manual. The Supplier shall bear the cost of the audit as well as the Company's time and expense for cooperation with the audit. The scope of the audit and the terms of payment are to be agreed upon by the Company and the Supplier prior to commencement of the audit. Specific customer information (unless released by the customer) and proprietary

### PROCEDURE MANUAL FOR FIRSTENERGY OHIO OPERATING COMPANIES DETERMINATION OF SUPPLIER TOTAL HOURLY ENERGY OBLIGATION

information shall not be provided by the Company. The Company will address audit requests on a first come, first served basis.

To facilitate the Supplier's calculation and understanding of the Company's reports, the Company will make available via its website (http://www.firstenergycorp.com/supplierservices), supporting information and sample calculations illustrating the Company's methodology applied in the determination of the Supplier's obligation.

### Energy Reconciliation and PJM Settlement

As mentioned above, the Primary THEO will be the basis for the initial hourly energy interchange accounting by PJM which shall result in a monthly market-energy interchange bill. Subsequently, the Company will calculate adjustments to the Primary THEO based upon additional, more accurate customer meter data that the Company typically obtains by the end of the full meter-reading cycle.

Additionally, these adjustments will account for errors including but not limited to, those due to failed meter data transmission, the inherent inaccuracies of using a one-month lagging UF for non-interval meters, and additional errors that may result from the timing differences between the actual reading of the meters and closing of the billing cycle. These errors may occur during the first and last few days of a Supplier contract with a customer, since the initial obligation is calculated upon the number of customers in a Supplier's list of customers as of the last billing date; while the Supplier's final obligation is calculated for the period between meter readings. The Company will endeavor to read meters on the estimated date offered to the Supplier and close the billing cycle as soon as practicable following the meter readings.

A Secondary THEO will be calculated similarly to the Primary THEO where estimated usage is now replaced with actual metered usage where available. The Company will determine the hourly differences between the Primary THEO and the Secondary THEO for each Supplier and report those hourly MWh values to PJM. These adjustments will be provided to PJM and the Supplier within two months following the month subject to adjustment. This will constitute a monthly energy reconciliation process.

For customers with non-interval meters the Secondary THEO will employ a a usage factor based on the customer's current bill period. (Recall that the Primary THEO used the usage factor based on the customer's previous bill period.)

Secondary THEO calculation:

Secondary THEO = IM+NIM+NM+ZLA;

Where

IM = Sum[(Interval metered) p \* (Loss Factor)p], and

NIM = Sum[(Non-interval metered),\*(Loss Factor),]

### PROCEDURE MANUAL FOR FIRSTENERGY OHIO OPERATING COMPANIES DETERMINATION OF SUPPLIER TOTAL HOURLY ENERGY OBLIGATION

NM = Sum [(Non-metered)<sub>p</sub> \* (Loss Factor)<sub>p</sub>

ZLA = Zonal Load Allocation of Unaccounted for Energy

Non-interval metered = Sum [(UF)  $_p$ \*(Hourly Class Load Profile Usage)  $_p$ \*  $_p$ \*  $_p$ \*

Where UF = Usage Factor

Where LF = loss factor

 $UF_p=$  (Hourly ClassLoad Profile Usage for Customer bill period)  $_p$ /(Customer bill period Usage)  $_p$ 

ZLA<sub>Hourly</sub> = Zonal Load Allocation calculated hourly

Where

 $UFE_{Hourly} = (Final Monthly Zonal Load_{Hourly} - Sum (Secondary THEO_{Hourly}))$ 

ZLA<sub>Hourly</sub> = UFE<sub>Hourly</sub> \* (Supplier Secondary THEO<sub>Hourly</sub>/ Sum(Secondary THEO<sub>Hourly</sub>))

The Hourly Adjustment to the monthly bill is: Primary THEO – Secondary THEO.

### "Third-Tier" Reconciliation

In addition to the adjustments mentioned above, PJM's monthly bills to the Company and Supplier or scheduling coordinator shall be subject to adjustment for any errors in arithmetic, computation, meter readings or other errors as agreed upon by the Company and the Supplier or Scheduling Coordinator. Third Tier Reconciliation shall be accomplished by FEOH calculating associated PJM line items using a Third Tier THEO in accordance with PJM Reconciliation Processes as provided for in the PJM Operating Agreement and PJM OATT. Disputes shall be resolved through the PJM Dispute Resolution process.

### Behind the Meter Generation

For those customers that have elected to install generation and net the output of that generation against their delivered load obligations, a bidirectional meter is installed to measure (1) the energy delivered or consumed by the customer and (2) the energy received or injected to the distribution system.

For these customers, only the register of the meter capturing the energy delivered to the customer is used in the calculations referenced in this manual. The meter register capturing received energy to the distribution system is not netted against these values.

Exhibit A

Sample Calculation:

### **Hourly Obligation Calculation:**

Determine the Total Hourly Energy Obligation to be reported to PJM for a Supplier serving three (3) customers in Ohio's RS No Heat Profile Group during the hour ending at 10 on March 15, 2012.

### Available data from Prior (February) Bill

Customer	Bill Dates	Billed Usa	ge Class	Usage Days
#1	2/3~3/6	2477 kWh	1717 kWh	32
#2	2/4~3/5	1100 kWh	1620 kWh	30
#3	2/3~3/7	1429 kWh	1756 kWh	33

The Class Profile Usage for the 10<sup>th</sup> hour of March 15<sup>th</sup> was **2.3 kWh**.

### **Usage Factor and Hourly Obligation:**

Customer	Usage Facto	r Class Profile	usage Obligation
#1	1.44	2.3 kWh	3.312
#2	0.68	2.3 kWh	1.564
#3	0.81	2.3 kWh	1.863
Total	2.94		6.739 kWh

The Supplier's Total Hourly Energy Obligation reported to PJM for Class RS on the  $16^{\rm th}$  for hour 10 on the  $15^{\rm th}$  is:

6.739 kWh\* 1.0718 = 7.223 kWh Where 1.0718 = customer class loss factor

To illustrate the calculation of ZLA for the same hour, assume the following:

Zonal Load Hour 10 on March 15th: 2000 MWh

### PROCEDURE MANUAL FOR FIRSTENERGY OHIO OPERATING COMPANIES DETERMINATION OF SUPPLIER TOTAL HOURLY ENERGY OBLIGATION

Total Primary THEO Hour 10 on March 15th: 1998 MWh

 $UFE_{3/15, HR10} = 2000MWh - 1980MWh = 20 MW or 2000 kWh$ 

 $ZLA_{3/15, HR10} = 20000 \text{ kWh} * (7.223 \text{ kWh} / 1980 \text{ MWh}) = .00730 \text{ kWh}$ 

Final Primary THEO = 7.223 kWh + .00730 kWh = 7.296 kWh

Note: These calculations would be repeated for each class in which the Supplier serves customers.

### **Hourly Total:**

The hourly total will be the sum of the hourly <u>interval metered</u> values upgraded for losses plus the hourly totals of the non-interval metered values upgraded for losses calculated following the methodology described above.

### Monthly Adjustments/Reconciliation:

Following the completion of the monthly meter-read cycles applicable to that month, the Company will recalculate the Usage Factors for the period previously estimated.

Hence, based on metered usage corresponding to the month of March, the adjustment for hour 10 on March 15<sup>th</sup> will be calculated as follows:

### New/Actual data available for the Month of March

Customer	Bill Dates	New Usage	Class Usage	Days
#1	3/7~4/7	2315 kWh	2021	32
#2	3/6~4/ 4	1200 kWh	1894	30
#3	3/8~4/9	1630 kWh	2084	33

The Class Profile Usage for the 10<sup>th</sup> hour of March 15<sup>th</sup> *continues* to be **2.3 kWh**.

## PROCEDURE MANUAL FOR FIRSTENERGY OHIO OPERATING COMPANIES DETERMINATION OF SUPPLIER TOTAL HOURLY ENERGY OBLIGATION

### **Usage Factor and Hourly Obligation:**

Customer	Usage Factor	Class Profile	usage Obligation
#1	1.15	2.3 kWh	2.645
#2	0.63	2.3 kWh	1.449
#3	0.78	2.3 kWh	1.794
Total	2.56		5.888 kWh

### PROCEDURE MANUAL FOR FIRSTENERGY OHIO OPERATING COMPANIES DETERMINATION OF SUPPLIER TOTAL HOURLY ENERGY OBLIGATION

Total Hourly Energy Obligation for Class RS = 5.888 kWh\* 1.0718 = 6.311 kWh

where 1.0718 = customer class loss factor

To illustrate the calculation of ZLA for the same hour, assume the following:

Zonal Load Hour 10 on March 15th: 2000 MWh

Total Secondary THEO Hour 10 on March 15th: 1998 MWh

 $UFE_{3/15, HR10} = 2000MWh - 1998MWh = 2 MW or 2000 kWh$ 

 $ZLA_{3/15, HR10} = 2000 \text{ kWh} * (6.311 \text{ kWh} / 1998 \text{ MWh}) = .00635 \text{ kWh}$ 

Final Secondary THEO = 6.311 kWh + .00635 kWh = 6.317 kWh

The Company will submit to PJM a calendar-month adjustment file containing adjustment amounts for each hour on that calendar month. The adjustment amounts will be reported on kWh units. For this example the adjustment amount for hour  $10^{th}$  on March  $15^{th}$  will be (7.296 kWh - 6.317 kWh) = 0.979 kWh.



Market Settlements Subcommittee Conference Call March 17, 2015

1:00 p.m. - 4:00 p.m. EST

#### Administration

PJM reviewed the Anti-Trust Policy, Code of Conduct and Media Participation Policy and performed roll call. The Subcommittee approved the minutes from the February 17, 2015 MSS meeting.

Mr. Fernandez, PJM, provided an update on the Power Meter and InSchedule data submittal deadlines item. The tariff language approved by stakeholders in 2014 will be submitted to FERC at the end of March with a requested effective date of 6/1/2015.

The subcommittee was informed of the upcoming Residual Metered Load Pricing training sessions being held on March 19th and May 14th.

Ms. Suzanne Coyne, PJM, reminded the subcommittee of important dates regarding any Billing Line Item Transfers that were created via hard copy DOAs and were automatically entered by PJM in the production BLI Transfer Tool. Unless changes have already been made to these legacy transfers, they will expire on May 31, 2015 or on their original termination date, if earlier. Parties are required to extend continuing BLI Transfer requests via the BLI Tool before 5/31/2015 to ensure continuity. After 5/31/2015, hard copy DOAs will become void and PJM will rely on information submitted in the BLI Tool.

#### Working issues

Power Meter/InSchedule Holiday Submission Timing

Ms. Susan Kenney, PJM, reviewed the updated Power Meter Business Rules and InSchedule User Guide that reflect the submission timing exception related to two-day holidays falling on a Thursday and Friday.

2. Capacity Performance Settlements Impacts

Ms. Susan Kenney, PJM, provided an update on internal discussions regarding the feasibility of providing separate billing for Capacity Performance settlements. The RPM Auction Credit report available in MSRS provides participants the ability to separate credits specific to the Auction in which resources clear. PJM is still in the process of determining whether the tariff language as submitted with the Capacity Performance filing provides a way to bill Locational Reliability Charges separately. PJM will continue to investigate and asked members to clarify the level at which the charges and credits calculated need to be separate.

Issue Tracking: Capacity Performance

EXHIBIT

Direct ||



#### 3. FERC EQR Report Discussion

Ms. Susan Kenney, PJM, informed the subcommittee the request to modify the date formatting of the FERC EQR report will not be pursued in light of receiving confirmation from several members that the current date formatting of the FERC EQR report was able to be submitted with no errors. Any members that receive errors are asked to contact PJM.

Ms. Renee McDonald, ACES, presented information received from FERC regarding the preferred formatting of Meter Correction data. Members are asked to review and bring any questions or comments to the April meeting.

#### 4. Sub-hourly Settlements

Mr. Ray Fernandez, PJM, sought initial feedback from members regarding the concept of sub-hourly settlements. General comments were that this initiative is a long-term project with large impacts to both PJM and members from an implementation and cost perspective. Comments were also made that this item needs to go through the senior committee (MIC/MRC) for sponsorship.

#### Miscellaneous Settlements items

Ms. Susan Kenney, PJM, provided an update on the recently released designs of MSRS reports to support the Resídual Metered Load Pricing implementation.

#### Future Agenda Items

Participants will have the opportunity to request the addition of any new item(s) to the agenda of a future meeting.

#### in-Person Attendees

Fernandez, Ray (Facilitator)	PJM Interconnection, LLC	Not Applicable
Borradaile, Michael	PJM Interconnection, LLC	Not Applicable
Budney, David	PJM Interconnection, LLC	Not Applicable
Burdis, Tim	PJM Interconnection, LLC	Not Applicable
Coyne, Suzanne	PJM Interconnection, LLC	Not Applicable
Esterly, Terri	PJM Interconnection, LLC	Not Applicable
McComb, John	PJM Interconnection, LLC	Not Applicable
Million, Mark	PJM Interconnection, LLC	Not Applicable
Rich, Edward	PJM Interconnection, LLC	Not Applicable
Kenney, Susan (Secretary)	PJM Interconnection, LLC	Not Applicable

#### Web Ex & Eleconterence Attendees

Teamann, Cindy Allegheny Power	Transmission Owner
Gleckler, Eric Appalachian Power Company	Transmission Owner
Medley, Jennifer Appalachian Power Company (Kentucky Power Dedicated)	Transmission Owner
Purdum, Denice APX	Not Applicable
Juhrden, Jane Atlantic City Electric Company	Electric Distributor
Shaffer, Brian Atlantic City Electric Company	Electric Distributor
Maroney, Eileen Commonwealth Edison Company	Transmission Owner

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\*



Dessender, Harry
Filomena, Guy
Johnson, Carl
Sasser, Jonathan
James, Denise
Wilmoth, Emily
Peoples, John
Dugan, Chuck
Labij, Christina
Hagaman, Derek
Bertocchi, John
Kogut, George
Hart, Joy
Jones, Sharron
Chesser, Kathrina
Hairston, KC
Salem, Jay
Stein, Edward
Anders, David
Disciullo, Nicholas
Holland, Risa
Million, Mark
Hartman, Gary
Leh, Nicole
Atlas, Ted
Saxe, Barbara
Tew (ES), Linda
McDonald, Renee

Customized Energy Solutions, Ltd.* Customized Energy Solutions, Ltd.* Customized Energy Solutions, Ltd.* Customized Energy Solutions, Ltd.* Dominion Energy Marketing, Inc.	Not Applicable Not Applicable Not Applicable Not Applicable Generation Owner
Dominion Virginia Power Duquesne Light Company	Not Applicable Transmission Owner
East Kentucky Power Cooperative, Inc.	Transmission Owner
EcoGrove Wind, LLC	Generation Owner
GT Power Group	Transmission Owner
Metropolitan Edison Company	Transmission Owner
New York Power Authority	Other Supplier
North Carolina Electric Membership Corporation	Electric Distributor
North Carolina Municipal Power Agency # 1	Other Supplier
Other	None
Other	None
Pennsylvania Electric Company	Transmission Owner
Pennsylvania Electric Company	Transmission Owner
PJM Interconnection, LLC	Not Applicable
PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
PPL EnergyPlus, L.L.C.	Transmission Owner
Public Service Electric & Gas Company	Transmission Owner
Virginia Electric & Power Company	Transmission Owner
Wabash Valley Power Association, Inc.	Other Supplier

### Future Meeting Dates

Author: Susan Kenney

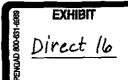
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## BEFORE THE PUBLIC UTILITIES COMMISSION OF OHIO

OHIO EDISON COMPANY and THE CLEVELAND ELECTRIC ILLUMINATING COMPANY,	) ) )	
Complainants,	)	Case No. 17-1967-EL-CSS
v.	į	
DIRECT ENERGY BUSINESS, LLC,	)	•
Respondent.	)	

OHIO EDISON COMPANY AND THE CLEVELAND ELECTRIC ILLUMINATING COMPANY'S OBJECTIONS AND RESPONSES TO DIRECT ENERGY BUSINESS, LLC'S FIRST SET OF INTERROGATORIES AND REQUESTS FOR PRODUCTION OF DOCUMENTS

Pursuant to Rules 4901-1-19 and 4901-1-20 of the Ohio Administrative Code, Complainants Ohio Edison Company and The Cleveland Electric Illuminating Company (collectively, the "Companies") object and respond to Respondent Direct Energy Business, LLC's ("Direct") First Set of Interrogatories and Requests for Production of Documents as follows



Public Utilities Commission of Ohio, Case No. 17-1967-EL-CSS

#### **DIRECT ENERGY SET 1**

### RESPONSES TO FIRST SET OF INTERROGATORIES

As to Response: Edward Stein

1-INT-001

Regarding Paragraph 3 of the Complaint, what is the factual basis for the Companies' allegation that Direct is an "electric light company" under R.C. 4905.03(C)?

#### RESPONSE

According to information Direct has provided or made accessible to the public, Direct is engaged in the business of supplying electricity for light, heat, or power purposes to consumers within the state of Ohio. For example, on its website among its self-styled "Products and Services" offerings, Direct provides "electricity supply" in the state of Ohio. Further, Direct has a PUCO certificate to provide power marketing services in the state of Ohio, and a power marketer is an electric light company under R.C. 4928.01(A)(7), (A)(9) and R.C. 4905.03(C).

Public Utilities Commission of Ohio, Case No. 17-1967-EL-CSS

#### **DIRECT ENERGY SET 1**

As to Response: Edward Stein

1-INT-002

Regarding Paragraph 3 of the Complaint, what is the factual basis for the

Companies' allegation that Direct is an "electric services company"

under R.C. 4928.01?

RESPONSE

See response to 1-INT-001.

Public Utilities Commission of Ohio, Case No. 17-1967-EL-CSS

### **DIRECT ENERGY SET 1**

As to Response: Edward Stein

1-INT-003 Identify "Customer 1" referenced in Paragraph 8 of the Complaint.

RESPONSE

Public Utilities Commission of Ohio, Case No. 17-1967-EL-CSS

### **DIRECT ENERGY SET 1**

As to Response: Edward Stein

1-INT-004 Identify "Customer 2" referenced in Paragraph 9 of the Complaint.

RESPONSE

Public Utilities Commission of Ohio, Case No. 17-1967-EL-CSS

### **DIRECT ENERGY SET 1**

As to Response: Edward Stein

1-INT-005

Identify "Customer 3" referenced in Paragraph 10 of the Complaint.

RESPONSE

Public Utilities Commission of Ohio, Case No. 17-1967-EL-CSS

#### **DIRECT ENERGY SET 1**

As to Objections: Legal As to Response: Edward Stein

1-INT-006

Identify the entity(ies) responsible for reporting the Affected Customers' (as defined in Paragraph 10 of the Complaint) switch to Direct as their new CRES provider.

RESPONSE

The Companies object to this request because it is vague, overbroad, unduly burdensome, and it seeks irrelevant information and/or information not reasonably calculated to lead to the discovery of admissible evidence. Subject to and without waiving the foregoing objections, Direct was responsible for reporting to the Companies that the Affected Customers had signed a contract with Direct and were switching to Direct.

Public Utilities Commission of Ohio, Case No. 17-1967-EL-CSS

#### **DIRECT ENERGY SET 1**

As to Objections: Legal

1-INT-007

Identify the entity(ies) responsible for programming and maintaining the computer system that sustained the "internal computer error" described

in Paragraphs 11 and 12 of the Complaint.

RESPONSE

FirstEnergy Service Company.

Public Utilities Commission of Ohio, Case No. 17-1967-EL-CSS

#### **DIRECT ENERGY SET 1**

As to Objections: Legal As to Response: Edward Stein

1-INT-008

Identify the entity(ies) responsible for metering the electrical usage of the

Affected Customers during the period December 1, 2013 through

November 30, 2015.

RESPONSE

The Companies object to this request because it is vague, overbroad, unduly burdensome, and it seeks irrelevant information and/or information not reasonably calculated to lead to the discovery of admissible evidence. Subject to and without waiving the foregoing objections, the Companies state that Article IX of the Supplier Tariff addresses metering services and obligations.

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Public Utilities Commission of Ohio, Case No. 17-1967-EL-CSS

#### **DIRECT ENERGY SET 1**

As to Objections: Legal

1-INT-009

Identify the entity(ies) responsible for calculating the supplier charges owed by the Affected Customers during the period December 1, 2013

through November 30, 2015.

RESPONSE

The Companies object to this request because it is vague, overbroad, unduly burdensome, and it seeks irrelevant information and/or information not reasonably calculated to lead to the discovery of admissible evidence.

Public Utilities Commission of Ohio, Case No. 17-1967-EL-CSS

#### **DIRECT ENERGY SET 1**

As to Objections: Legal As to Response: Edward Stein

1-INT-010

Identify the entity(ies) responsible for billing Direct's customers for their electric usage during the period December 1, 2013 through November 30, 2015.

RESPONSE

The Companies object to this request because it is vague, overbroad, unduly burdensome, and it seeks irrelevant information and/or information not reasonably calculated to lead to the discovery of admissible evidence. Subject to and without waiving the foregoing objections, the Companies state that Article X of the Supplier Tariff addresses billing services and obligations.

Public Utilities Commission of Ohio, Case No. 17-1967-EL-CSS

#### **DIRECT ENERGY SET 1**

As to Response: Edward Stein

1-INT-011 Identify the entity(ies) responsible for reporting Direct's load obligation

to PJM during the period December 1, 2013 through November 30, 2015.

**RESPONSE** The Companies and FirstEnergy Service Company.

Public Utilities Commission of Ohio, Case No. 17-1967-EL-CSS

### **DIRECT ENERGY SET 1**

As to Objections: Legal

#### 1-INT-012

Regarding the "computer error" alleged in Paragraph 18 of the Complaint, identify:

- a. The date it was discovered;
- b. Who discovered it;
- c. How it was discovered;
- d. The date the error was corrected; and
- e. All documents and communications concerning the "computer error."

#### RESPONSE

The Companies object to this request because it is vague, overbroad, unduly burdensome, and it seeks irrelevant information and/or information not reasonably calculated to lead to the discovery of admissible evidence. The Companies further object to this request because it seeks information protected from disclosure by the attorney-client privilege and/or attorney work product doctrine. The Companies also object to this request because the Companies have already furnished information responsive to this request in emails exchanged with Direct on or around December 18, 28, and 31, 2015 and as described in the Complaint in paragraphs 18 through 27.

Public Utilities Commission of Ohio, Case No. 17-1967-EL-CSS

#### **DIRECT ENERGY SET 1**

As to Objections: Legal As to Response: Edward Stein

1-INT-013

Identify each Disadvantaged Supplier referenced in Paragraph 18 of the

Complaint.

RESPONSE

The Companies object to this request because it seeks confidential documents and information that are irrelevant and/or not reasonably calculated to lead to the discovery of admissible evidence. Subject to and without waiving the foregoing objections, FirstEnergy Solutions Corp. and two other suppliers.

Page 13 of 35

Public Utilities Commission of Ohio, Case No. 17-1967-EL-CSS

#### **DIRECT ENERGY SET 1**

As to Objections: Legal As to Response: Edward Stein

1-INT-014

Identify each Advantaged Supplier referenced in Paragraph 18 of the

Complaint.

RESPONSE

The Companies object to this request because it seeks confidential documents and information that is irrelevant and/or not reasonably calculated to lead to the discovery of admissible evidence. Subject to and without waiving the foregoing objections, four suppliers consist of

the Advantaged Suppliers.

Public Utilities Commission of Ohio, Case No. 17-1967-EL-CSS

#### **DIRECT ENERGY SET 1**

As to Objections: Legal

1-INT-015

Identify each Advantaged Supplier that did not cooperate with the

Companies, as alleged in Paragraph 19 of the Complaint.

RESPONSE

The Companies object to this request because it seeks confidential documents and information that is irrelevant and/or not reasonably calculated to lead to the discovery of admissible evidence. The Companies further object to this request because it seeks information protected from disclosure by the attorney-client privilege and/or attorney

work product doctrine.

Public Utilities Commission of Ohio, Case No. 17-1967-EL-CSS

#### DIRECT ENERGY SET 1

As to Objections: Legal As to Response: Edward Stein

1-INT-016

Identify each employee of the Companies, or an affiliate, that communicated with an Advantaged Supplier about the computer error alleged in Paragraph 18 of the Complaint.

RESPONSE

The Companies object to this request because it seeks confidential documents and information that is irrelevant and/or not reasonably calculated to lead to the discovery of admissible evidence. The Companies further object to this request because it seeks information protected from disclosure by the attorney-client privilege and/or attorney work product doctrine. Finally, the Companies object to this request because it is vague, overbroad, and unduly burdensome. Subject to and without waiving the foregoing objections, the Companies state that the Companies have furnished information responsive to this request in emails exchanged with Direct on or around December 18, 28, and 31, 2015.

Public Utilities Commission of Ohio, Case No. 17-1967-EL-CSS

#### **DIRECT ENERGY SET 1**

As to Objections: Legal

1-INT-017

Identify each employee of the Companies, or an affiliate, that

communicated with a Disadvantaged Supplier about the computer error

alleged in Paragraph 18 of the Complaint.

RESPONSE

The Companies object to this request because it seeks confidential documents and information that is irrelevant and/or not reasonably calculated to lead to the discovery of admissible evidence. The Companies further object to this request because it seeks information protected from disclosure by the attorney-client privilege and/or attorney work product doctrine. Finally, the Companies object to this request because it is vague, overbroad, and unduly burdensome.

Page 17 of 35

Public Utilities Commission of Ohio, Case No. 17-1967-EL-CSS

#### **DIRECT ENERGY SET 1**

As to Objections: Legal As to Response: Edward Stein

1-INT-018

Identify each provision of the Companies' Supplier Tariff Direct

allegedly violated.

RESPONSE

The Companies object to this request because it is vague, overbroad, and unduly burdensome. The Companies further object to this request because it seeks information protected from disclosure by the attorney-client privilege and/or attorney work product doctrine. Subject to and without waiving the foregoing objections, to the extent this request is limited in scope and subject matter to the allegations made by the Companies in the Complaint, Direct has violated Section III(C) of the Supplier Tariff as more fully described in the Complaint.

Public Utilities Commission of Ohio, Case No. 17-1967-EL-CSS

#### **DIRECT ENERGY SET 1**

As to Objections: Legal

1-INT-019

Identify each provision of the PJM OATT that Direct allegedly violated.

**RESPONSE** 

The Companies object to this request because it assumes facts that have not been established, is vague, overbroad, and unduly burdensome, and is irrelevant and/or not reasonably calculated to lead to the discovery of admissible evidence. The Companies further object to this request because it seeks information protected from disclosure by the attorney-

client privilege and/or attorney work product doctrine.

Public Utilities Commission of Ohio, Case No. 17-1967-EL-CSS

#### **DIRECT ENERGY SET 1**

As to Objections: Legal As to Response: Edward Stein

1-INT-020

Apart from Direct's "refus[al] to cooperate by paying the full amount of the Affected Customers' load obligation," as alleged in Paragraph 28 of the Complaint, identify each additional action or failure to act by Direct that the Companies allege constitutes a breach of the duty to cooperate.

RESPONSE

The Companies object to this request because it is vague, overbroad, unduly burdensome, and calls for an improper narrative response. See Penn Cent. Transp. Co. v. Armco Steel Corp., 271 N.E.2d 877 (Montgomery Co. 1971) (improper use of discovery device or interrogatory to require detailed narrative response). Subject to and without waiving the foregoing objections, the factual allegations relating to Direct's breach of the duty to cooperate are more fully described in the Complaint.

Public Utilities Commission of Ohio, Case No. 17-1967-EL-CSS

#### **DIRECT ENERGY SET 1**

As to Objections: Legal As to Response: Edward Stein

1-INT-021

Identify the provision(s) of the Companies' Supplier Tariff that allegedly requires suppliers to "ensure that the market functions properly," as alleged in Paragraph 43 of the Complaint.

RESPONSE

The Companies object to this request because it assumes facts that have not been established. The Companies further object to this request because it is vague, overbroad, and unduly burdensome. The Companies further object to this request because it seeks information protected from disclosure by the attorney-client privilege and/or attorney work product doctrine. Subject to and without waiving the foregoing objections, see all sections of the Supplier Tariff.

Public Utilities Commission of Ohio, Case No. 17-1967-EL-CSS

#### **DIRECT ENERGY SET 1**

As to Objections: Legal As to Response: Edward Stein

1-INT-022

How have the Companies been damaged by Direct's alleged violations,

as alleged in Paragraphs 47 and 52 of the Complaint?

RESPONSE

The Companies object to this request because it is vague, overbroad, unduly burdensome, and calls for an improper narrative response. See Penn Cent. Transp. Co. v. Armco Steel Corp., 271 N.E.2d 877 (Montgomery Co. 1971) (improper use of discovery device or interrogatory to require detailed narrative response). Subject to and without waiving the foregoing objections, the Companies have been damaged by Direct's refusal to pay \$5,602,981.39 for the full retail load obligations of the Affected Customers.

Public Utilities Commission of Ohio, Case No. 17-1967-EL-CSS

#### **DIRECT ENERGY SET 1**

As to Objections: Legal As to Response: Edward Stein

1-INT-023

Regarding paragraph (d) in the Request for Relief in the Complaint, what is the basis for requiring Direct to pay restitution to the Companies?

RESPONSE

The Companies object to this request because it is vague, overbroad, unduly burdensome, and calls for an improper narrative response. See Penn Cent. Transp. Co. v. Armco Steel Corp., 271 N.E.2d 877 (Montgomery Co. 1971) (improper use of discovery device or interrogatory to require detailed narrative response). The Companies further object to this request because it seeks information protected from disclosure by the attorney-client privilege and/or attorney work product doctrine. Subject to and without waiving the foregoing objections, the Companies seek restitution of amounts the Companies paid to Disadvantaged Suppliers on account of Direct's refusal to pay \$5,602,981.39 for the full retail load obligations of the Affected Customers.

Public Utilities Commission of Ohio, Case No. 17-1967-EL-CSS

#### **DIRECT ENERGY SET 1**

As to Objections: Legal As to Response: Edward Stein

1-INT-024

Describe how the Companies allegedly sustained a "loss of capital," as

alleged in paragraph (e) of the Request for Relief?

RESPONSE

The Companies object to this request because it is vague, overbroad, unduly burdensome, and calls for an improper narrative response. See Penn Cent. Transp. Co. v. Armco Steel Corp., 271 N.E.2d 877 (Montgomery Co. 1971) (improper use of discovery device or interrogatory to require detailed narrative response). Subject to and without waiving the foregoing objections, as more fully described in the Complaint, by unlawfully refusing to surrender its windfall, Direct has withheld \$5,602,981.39 in capital belonging to the Companies.

Public Utilities Commission of Ohio, Case No. 17-1967-EL-CSS

#### **DIRECT ENERGY SET 1**

### RESPONSES TO FIRST SET OF REQUESTS FOR PRODUCTION OF DOCUMENTS

As to Objections: Legal

1-RFP-001

Any documents identified in response to Interrogatories No. 1-24 above.

RESPONSE

The Companies object to this request because it is overbroad, unduly burdensome, and it seeks irrelevant information and/or information not reasonably calculated to lead to the discovery of admissible evidence. The Companies further object to this request because it seeks information protected from disclosure by the attorney-client privilege and/or attorney work product doctrine. The Companies also object to this request because the Companies have already furnished non-privileged information responsive to this request in emails sent to Direct on or around December 18 and 28, 2015.

Public Utilities Commission of Ohio, Case No. 17-1967-EL-CSS

## **DIRECT ENERGY SET 1**

As to Objections: Legal

1-RFP-002

Facts and data used to calculate the dollar amount referenced in

Paragraph 13 of the Complaint.

RESPONSE

Public Utilities Commission of Ohio, Case No. 17-1967-EL-CSS

### **DIRECT ENERGY SET 1**

As to Objections: Legal

1-RFP-003

Facts and data used to calculate the dollar amount referenced in

Paragraph 14 of the Complaint.

RESPONSE

Public Utilities Commission of Ohio, Case No. 17-1967-EL-CSS

### **DIRECT ENERGY SET 1**

As to Objections: Legal

1-RFP-004

Facts and data used to calculate the dollar amount referenced in

Paragraph 15 of the Complaint.

RESPONSE

Public Utilities Commission of Ohio, Case No. 17-1967-EL-CSS

## **DIRECT ENERGY SET 1**

As to Objections: Legal

1-RFP-005

Facts and data used to calculate the dollar amount referenced in

Paragraph 16 of the Complaint.

RESPONSE

Public Utilities Commission of Ohio, Case No. 17-1967-EL-CSS

## **DIRECT ENERGY SET 1**

As to Objections: Legal

1-RFP-006

The "internal investigation" and remediation efforts described in

Paragraph 18 of the Complaint.

RESPONSE

Public Utilities Commission of Ohio, Case No. 17-1967-EL-CSS

### **DIRECT ENERGY SET 1**

As to Objections: Legal

1-RFP-007

Communications with or including the Disadvantaged Suppliers

referenced in Paragraph 18 of the Complaint.

RESPONSE

The Companies object to this request because it is overbroad, unduly burdensome, and it seeks confidential and irrelevant information concerning third-parties and/or information not reasonably calculated to lead to the discovery of admissible evidence. The Companies further object to this request because it seeks information protected from disclosure by the attorney-client privilege and/or attorney work product doctrine. Subject to and without waiving the foregoing objections, the Companies have furnished emails responsive to this request dated

December 18, 28, and 31, 2015.

Public Utilities Commission of Ohio, Case No. 17-1967-EL-CSS

## **DIRECT ENERGY SET 1**

As to Objections: Legal

1-RFP-008

Communications with or including the Advantaged Suppliers referenced in Paragraph 18 of the Complaint.

RESPONSE

The Companies object to this request because it is overbroad, unduly burdensome, and it seeks confidential and irrelevant information concerning third-parties and/or information not reasonably calculated to lead to the discovery of admissible evidence. The Companies further object to this request because it seeks information protected from disclosure by the attorney-client privilege and/or attorney work product doctrine. Subject to and without waiving the foregoing objections, the Companies have produced e-mails responsive to this request dated December 18, 28, and 31, 2015.

Public Utilities Commission of Ohio, Case No. 17-1967-EL-CSS

## **DIRECT ENERGY SET 1**

As to Objections: Legal

1-RFP-009

The settlement and release agreements referenced in Paragraph 43 of the

Complaint.

RESPONSE

The Companies object to this request because it is overbroad, unduly burdensome, and it seeks confidential and irrelevant information concerning third-parties and/or information not reasonably calculated to lead to the discovery of admissible evidence. Subject to and without waiving the foregoing objections, the Companies will produce responsive documents at a mutually agreeable time and place.

Public Utilities Commission of Ohio, Case No. 17-1967-EL-CSS

### **DIRECT ENERGY SET 1**

As to Objections: Legal

1-RFP-010

Payments from the Companies to any Disadvantage Supplier.

RESPONSE

The Companies object to this request because it is overbroad, unduly burdensome, and it seeks confidential and irrelevant information concerning third-parties and/or information not reasonably calculated to lead to the discovery of admissible evidence. Subject to and without waiving the foregoing objections, the Companies will produce responsive documents at a mutually agreeable time and place.

Public Utilities Commission of Ohio, Case No. 17-1967-EL-CSS

## **DIRECT ENERGY SET 1**

As to Objections: Legal

1-RFP-011 Communications between the Companies and FirstEnergy Solutions

regarding the subject matters alleged in the Companies' complaint.

**RESPONSE** The Companies object to this request because it is overbroad, unduly

burdensome, and it seeks confidential and irrelevant information concerning third-parties and/or information not reasonably calculated to lead to the discovery of admissible evidence. The Companies further object to this request because it seeks information protected from disclosure by the attorney-client privilege and/or attorney work product

doctrine.

# BEFORE THE PUBLIC UTILITIES COMMISSION OF OHIO

In the Matter of Complaint of Direct Energy Business, LLC	)	
Complainant,	)	Case No. 14-1277-EL-CSS
v.	)	Case No. 14-12//-EL-CSS
Duke Energy Ohio, Inc.	)	
Respondent.	Ś	

# ON BEHALF OF DIRECT ENERGY BUSINESS, LLC

April 14, 2015



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QUALIFICATION OF THE WITNESS	3
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## **QUALIFICATION OF THE WITNESS** 1 2 Q1. Please state your name and business address. My name is Teresa Ringenbach. My business address is 21 East State Street, 19th Floor 3 A1. 4 Columbus, Ohio. 5 6 Q2. By whom are you employed and in what capacity? 7 A2. I am the Senior Manager of Government and Regulatory Affairs for the Midwest for 8 Direct Energy, LLC ("Direct Energy"). 9 10 How long have you been employed in your current position? Q3. 11 **A3.** I have been employed in my current position with Direct Energy since 2009. 12 13 Please explain the job responsibilities and duties in your current position. Q4. 14 A4. I am the key market lead for Ohio and responsible for directing the monitoring, advocacy, 15 regulatory, and legislative activities that affect Direct Energy's ability to serve customers 16 in Ohio, Illinois, and Michigan. My responsibilities cover electric, natural gas, and home 17 services issues for all levels of customers from residential to large industrial. 18 19 Please describe your educational background and relevant work experience prior to Q5. 20 joining Direct Energy. 21 A5. I hold a Bachelor of Business Administration with a concentration in International 22 Business from the University of Toledo. I started in the energy industry in 2001 with

Integrys Energy Services, Inc., formerly WPS Energy Services, Inc., as a Customer

Service and Marketing Specialist promoting and managing the recently opened Ohio

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residential and small commercial electric offers. In 2002, I accepted the position of Account Manager - Inside Sales where I sold and managed the Government Aggregation Programs for both gas and electric. In 2005, I accepted the position of Regulatory Specialist. In this position I was responsible for regulatory compliance and state registrations throughout the United States and Canada. In 2006, I accepted the position of Regulatory Affairs Analyst - East covering New England, New York, New Jersey, Ohio and Pennsylvania gas and electric issues. In the spring of 2008, I accepted the Regulatory Affairs Analyst position for the Midwest region covering Ohio, Michigan, Illinois, Indiana, Kentucky, and all of Canada. In this position, I directed the regulatory and legislative efforts affecting Integrys Energy's gas and electric business. In August 2009, I joined Direct Energy as the Manager of Government and Regulatory Affairs for the Midwest. In June 2011 I was promoted to Senior Manager of Government and Regulatory Affairs for the Midwest covering Ohio, Illinois, Kentucky, Pennsylvania and Michigan. As of December 2013, my position changed to key market lead for Ohio and lead for Illinois and Michigan. As stated above this position advocates, protects and monitors regulatory and legislative activities affecting the gas, electric and home services business interests of Direct.

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## Q6. Have you ever testified before a regulatory agency?

A6. Yes. I have testified before the Connecticut Department of Public Utility Control, the Pennsylvania Public Utility Commission, the Public Utilities Commission of Ohio, the Illinois Commerce Commission and the Public Service Commission of Kentucky.

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## Q7. What is the purpose of your testimony?

A7. The purpose of my testimony is to explain the solutions available to the Commission to put Direct Energy back in the place it would have been if not for Duke's metering error. Additionally, I note I am not a lawyer and my testimony is not meant to provide a legal opinion. My testimony is meant only to explain to the Commission how Direct Energy would like to solve this problem and to explain why certain steps are needed for particular aspects of the solution. Direct Energy Business, LLC (DEB) witness Kennelly will explain the metering errors made by Duke and the steps taken to this point to correct Duke's errors.

**A8.** 

## **EXPLANATION OF SOLUTIONS**

## 12 Q8. What is your preferred mechanism to make DEB whole for Duke's errors?

Direct Energy's preferred option is the Commission order Duke to make Direct Energy whole for the metering errors. As witness Kennelly points out, this is ultimately a metering error issue. Witness Kennelly also explains the details behind the amounts Direct Energy requests as a remedy in this case. While Direct Energy's complaint includes an option to require Duke to revisit the Resettlement C process, this matter is not a dispute with PJM. Resettlement C is a possible solution, but ultimately the metering error was Duke's, not PJM's. As a result, this matter is appropriate for resolution by the Commission. Requiring Duke to repay Direct Energy this amount is the simplest route to take and is appropriate in light of Duke's metering errors. Simply put, if the Commission finds Duke made the metering error alleged by Direct Energy, then this route properly holds the party responsible for the metering errors accountable for the results of its

mistakes. This would merely put DEB back in the place it would otherwise be in if not for Duke's metering error.

I understand the lawyers in this case will address the legality of this recommendation, but as a factual matter I believe this is a fair outcome. DEB is simply asking for what it is owed as a result of Duke's metering error and the carrying costs associated with that metering error. The Commission is no stranger to the carrying cost concept and DEB is only asking that the Commission recognize this cost for DEB, just as it routinely does for Ohio's regulated utilities.

A9.

# Q9. Doesn't the fact that Duke is Direct Energy's meter data management agent ("MDMA") eliminate Duke's responsibility for the metering errors?

Duke's supplier tariff does purport to exonerate Duke for its errors in its role as MDMA. However, this is not an MDMA issue; it is a utility metering issue. An MDMA is the entity that communicates to PJM what amount of load to bill a CRES provider. In some states DEB itself is the MDMA. It is only a coincidence of the Ohio market that Duke is also the MDMA for their service territory. An MDMA is not the same as the utility; it may be a role that the utility undertakes or it may not be. If DEB had been its own MDMA or used another company to be the MDMA, the same issue would have existed because the MDMA receives meter data from the utility. Ultimately this is not an MDMA or a PJM settlement issue; it is an issue of Duke providing PUCO jurisdictional metering services, making mistakes, and those mistakes leading to financial harm to DEB. Anything related to the MDMA is irrelevant to this case.

2 3 Q10. You mentioned revisiting the Resettlement C process in your previous answer. Can 4 you explain what you mean by resettlement? 5 A10. The electric utilities do not directly bill load serving entities ("LSE") for the power 6 delivered to the LSEs' customers by the utility. Instead, the utility sends meter data to 7 PJM and then PJM bills and collects from the LSEs. When a problem or error arises as it 8 relates to what PJM billed or collected from the LSEs, a process called resettlement is 9 available to correct those problems or errors. 10 11 Q11. Has Duke already attempted the Resettlement C option? Yes. As noted by witness Kennelly, Duke attempted Resettlement C in September 2013, 12 but only 5 of 44 affected LSEs affirmatively consented to the resettlement. 13 14 15 What is your understanding of the Resettlement C mechanism? 16 Outside of a 60 day window following the month of delivery, the Resettlement C process A12. 17 is available for resettlements by the utility. As laid out in the attached letter from Duke counsel, the Resettlement C process is an informal process and there is no billing manual 18 19 or tariff that governs it. TLR Attachment 1. DEB understands that after the 60 day 20 window, PJM requires all affected LSEs to affirmatively consent to the resettlement. 21 22 Q13. Who are the other LSE's and why do all of the other LSE's have to consent to 23 resettlement?

1

1 A13. Other LSEs in this instance are largely other CRES providers serving customers in
2 Duke's territory. I do not know why PJM requires the other LSEs to consent to the
3 resettlement, but it is my understanding this is required based on information provided by
4 both Duke and PJM. As this is an informal process, there are not many defined
5 parameters to rely upon to explain why or how the process works the way it does.

## Q14. Do you have concerns about attempting the Resettlement C process again?

A14. Yes. Using Resettlement C is more complicated than simply requiring Duke to pay Direct Energy for its losses resulting from Duke's metering error. As noted previously, only 5 of the 44 affected LSEs affirmatively consented to resettlement last time. I believe the likelihood of a greater number of LSEs consenting to resettlement, let alone all of them, is very unlikely without some action by the Commission. The amount of time that has passed since January and February of 2013 makes this task even more difficult and unlikely. Direct Energy suggested Resettlement C in a show of goodwill, but the matter is ripe for resolution by the Commission without involving PJM.

# Q15. What are you recommending the Commission order in this case to make the Resettlement C process work this time?

A15. The Commission should require Duke to undertake the Resettlement C process, including any steps that PJM may require of Duke, given that the Resettlement C process is an informal process. Further, to ensure completion of the process, the Commission should mandate that each supplier (CRES provider or their designated Transmission Scheduling Agent or "TSA") affected by the resettlement that is regulated by the Commission

affirmatively consent in writing to the resettlement or risk consequences in its licensing docket before the Commission. The Commission should also instruct Duke to provide Staff a list of the affected suppliers or their successors and for Staff to work with docketing to send a paper copy of the order to the regulatory contact of every affected CRES provider or its successor identified by Duke.

Finally, the Commission should find that, even if another supplier does not affirmatively consent, that a non-response to Duke's request for affirmative consent constitutes consent by the supplier. In Direct Energy's discussions with PJM counsel on February 6, 2015 regarding the Resettlement C process, Direct Energy learned that Duke will need affirmative consent from all affected LSEs to run resettlement for January 2013 and February 2013. In other words, a Commission order deeming consent by a non-responsive supplier is not good enough for PJM.

While such a Commission determination may not have any direct impact on Duke attempting the Resettlement C process again, it will aid Direct Energy in the event a complaint at the Federal Energy Regulatory Commission ("FERC") is required to cause PJM to actually run a resettlement for January 2013 and February 2013. PJM counsel indicated that PJM would be bound to accept an order from FERC to run the resettlement even if there are LSEs who have not affirmatively consented. Therefore, Direct Energy believes a Commission order finding other suppliers who do not affirmatively consent will be deemed to have consented to the resettlement would provide Direct Energy an

important tool in a FERC complaint attempting to restore Direct Energy to the place it should have been, but for Duke's metering error.

# Q16. Has Duke previously indicated that the Commission has authority to deem CRES providers to have consented to a resettlement?

Yes, in its most recent electric security plan case (14-841-EL-SSO), Duke proposed to add a new provision in its supplier tariff (at Section XIV, paragraph 14.4) to address adjustments and resettlements related to interval data. Duke's proposed language reads as follows: "The Company shall have no obligation to authorize or initiate a billing adjustment or resettlement under the RTO's rules, regulations, or agreements for any Certified Supplier or their designated TSA. However, in the event the Company authorizes or initiates any such billing adjustment or resettlement, each Certified Supplier or their designated TSA shall consent to such billing adjustment or resettlement within ten business days after receiving such notice form the Company." Duke never explained what led them to ask for such a provision in their tariff, but its inclusion in the proposed electric security plan demonstrates that Duke believes the Commission has the authority to require CRES providers to consent to a resettlement. While the ramifications of nonconsent are not specified, the Commission has tools at its disposal to ensure consent.

## Q17. Does this conclude your testimony?

21 A17. Yes. However, I reserve the right to supplement my testimony as needed or as 22 subsequent information becomes available.

<sup>&</sup>lt;sup>1</sup> Duke Ex. 13 at Attachment DLJ-1 at 22.

1	<u>CERTIFICATE OF SERVICE</u>
2	In accordance with Rule 4901-1-05, Ohio Administrative Code, the PUCO's e-filing
3	system will electronically serve notice of the filing of this document on the following parties. In
4	addition, I hereby certify that a service copy of the foregoing Direct Testimony of Teresa L.
5	Ringenbach of Direct Energy Business was sent by, or on behalf of, the undersigned counsel to
6	the following parties of record this 14th day of April 2015 via e-mail, except those specifically
7	designated as being served via U.S. Mail.
8 9 10 11 12 13	/s/ Gerit F. Hull  Gerit F. Hull  Amy B. Spiller, Deputy General Counsel  Jeanne W. Kingery, Associate General Counsel
15 16 17 18	Duke Energy Business Services, Inc. 139 Fourth Street, 1303-Main Cincinnati, OH 45202

This foregoing document was electronically filed with the Public Utilities

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4/14/2015 5:18:35 PM

in

Case No(s). 14-1277-EL-CSS

Summary: Testimony of Teresa Ringenbach electronically filed by Mr. Gerit F. Hull on behalf of Direct Energy Business, LLC



# BEFORE THE PUBLIC UTILITIES COMMISSION OF OHIO

In the Matter of the Application of Duke	)	
Energy Ohio, Inc. for Authority to Establish	)	
a Standard Service Offer Pursuant to R.C.	)	Case No. 14-841-EL-SSO
4928.143, in the Form of an Electric	)	
Security Plan.	)	
In the Matter of the Application of Duke	)	
Energy Ohio for Authority to Amend its	)	Case No. 14-842-EL-ATA
Certified Supplier Tariff, P.U.C.O. No 20.	)	

# APPLICATION FOR REHEARING AND MEMORANDUM IN SUPPORT OF DIRECT ENERGY SERVICES, LLC AND DIRECT ENERGY BUSINESS, LLC

Pursuant to Section 4903.10, Revised Code, and Rule 4901:1-35, Ohio Administrative Code, Direct Energy Services, LLC and Direct Energy Business, LLC (collectively, "Direct Energy") respectfully file an Application for Rehearing in this matter. Specifically, Direct Energy alleges the April 2, 2015 Opinion and Order is unreasonable in the following respects:<sup>1</sup>

The Opinion and Order is unreasonable inasmuch as it fails to approve Duke's
request to require Certified Suppliers to consent to billing adjustments or resettlement
upon request by Duke, or in the alternative, narrow the situations in which the
required consent applies.

WHEREFORE, Direct Energy respectfully requests that the Public Utilities Commission of Ohio ("Commission") grant its Application for Rehearing in this matter and modify its Opinion and Order in the manner suggested by Direct Energy.

<sup>&</sup>lt;sup>1</sup> Direct Energy's decision not to address any other aspects of the Commission's Opinion and Order should not be construed as Direct Energy's agreement with those aspects of the Opinion and Order.

Respectfully Submitted,
/s/ Joseph M. Clark
Joseph M. Clark (Counsel of Record)
21 East State Street, 19<sup>th</sup> Floor
Columbus, Ohio 43215
Phone – (614) 220-4369 Ext 232
Fax – (614) 220-4674
joseph.clark@directenergy.com

Attorney for Direct Energy Services, LLC and Direct Energy Business, LLC

### **MEMORANDUM IN SUPPORT**

On April 2, 2015, the Commission modified and approved an electric security plan ("ESP") for the period of June 1, 2015 through May 31, 2018. Direct Energy hereby files its request for rehearing in this case. Direct Energy also supports the Application for Rehearing filed by the Retail Energy Supply Association ("RESA").

Direct Energy's Application for Rehearing narrowly focuses on the Commission's decision not to approve Duke's request to require Certified Suppliers to consent to billing adjustments or resettlement upon request by Duke. Opinion and Order at 90-91. The Commission acknowledged it can be burdensome to acquire all of the necessary consents to run the resettlement, but found it unreasonable to force a competitive retail electric service ("CRES") provider's consent where it may not exist. Opinion and Order at 91.

Direct Energy (specifically Direct Energy Business, LLC) has a current, real life example where this very situation is playing out. Direct Energy is directly affected by Duke's current inability to require Certified Suppliers to resettle or accept billing adjustments upon request by Duke. Direct Energy has a pending Complaint at the Commission (Case No. 14-1277-EL-CSS) that may be directly impacted by this tariff change. As explained in the Direct Energy testimony filed in that case,<sup>2</sup> a metering error by Duke (as alleged by Direct Energy) caused Direct Energy to be overbilled by PJM. However, a remedy to the error (resettlement) was attempted outside of the ordinary 60-day settlement process and therefore PJM requires consent from all affected load serving entities ("LSE") to run the resettlement in that circumstance (called Resettlement C). However, when Duke instituted the process of acquiring the necessary consents, very few LSEs actually responded. And, according to PJM, the consent must be affirmative consent — e.g.

<sup>&</sup>lt;sup>2</sup> Direct Energy notes the testimony in case number 14-1277 was filed after the Commission issued its Opinion and Order in this case.

affected LSEs who do not respond cannot be deemed/assumed to have consented by their silence.

The Commission should grant rehearing on this matter and approve Duke's request. Duke should have no incentive (financial or otherwise) to ask for resettlements or billing adjustments except to make corrections due to errors or reconciliations – in other words to do the right thing. Affected CRES providers should have no objections inasmuch as Duke would simply be correcting an error or making a reconciliation. Further, because PJM will not run a resettlement without affirmative consent of the other affected LSEs, the proposed tariff is important step in filling in a gap to ensure market participants are treated fairly in a well-functioning market.

In the alternative, if the Commission feels the tariff language is too broad, the Commission should narrow the situations in which the required consent applies to metering errors where resettlement is needed to keep a party whole. Such a change would address real world, current situations affecting CRES providers where a gap needs filled.

### CONCLUSION

Direct Energy respectfully requests the Commission grant Direct Energy's Application for Rehearing and approve Duke's requested tariff addition, or in the alternative, narrow and approve the situations where required consent applies.

# Respectfully submitted,

/s/ Joseph M. Clark
Joseph M. Clark
Direct Energy
21 East State Street, 19<sup>th</sup> Floor
Columbus, Ohio 43215
(614) 220-4369 Ext. 232
joseph.clark@directenergy.com

Attorney for Direct Energy Services, LLC and Direct Energy Business, LLC

## CERTIFICATE OF SERVICE

In accordance with Rule 4901-1-05, Ohio Administrative Code, the PUCO's e-filing system will electronically serve notice of the filing of this document on the following parties. In addition, I hereby certify that a service copy of the foregoing Application for Rehearing of Direct Energy Services, LLC and Direct Energy Business, LLC was sent by, or on behalf of, the undersigned counsel to the following parties of record this 1st day of May 2015 via e-mail.

/s/ Joseph M. Clark
Joseph M. Clark

Duke Energy Ohio, Inc. (amy.spiller@duke-energy.com, Rocco.D'Ascenzo@duke-energy.com, jeanne.kingery@duke-energy.com, and elizabeth.watts@duke-energy.com)

Ohio Energy Group (<a href="mailto:dboehm@bkllawfirm.com">dboehm@bkllawfirm.com</a>, <a href="mailto:mkurtz@bkllawfirm.com">mkurtz@bkllawfirm.com</a>, <a href="mailto:mkurtz@bkllawfirm.com">mkurtz@bkllawfirm.com</a>)

FirstEnergy Solutions Corp (haydenm@firstenergycorp.com, scasto@firstenergycorp.com, and jmcdermott@firstenergycorp.com)

Energy Professionals of Ohio (schmidt@sppgrp.com)

Ohio Consumers' Counsel (<u>maureen.grady@occ.ohio.gov</u>, <u>joseph.serio@occ.ohio.gov</u>, <u>dstinson@bricker.com</u>, and <u>dborchers@bricker.com</u>)

The Dayton Power and Light Company (judi.sobecki@aes.com)

OMA Energy Group (bojko@carpenterlipps.com, allison@carpenterlipps.com)

Interstate Gas Supply, Inc (joliker@igsenergy.com)

Industrial Energy Users-Ohio (<u>mpritchard@mwncmh.com</u>, <u>fdarr@mwncmh.com</u>, <u>sam@mwncmh.com</u>)

Ohio Partners for Affordable Energy (cmooney@ohiopartners.org)

Ohio Environmental Council (trent@theoec.org)

Sierra Club (callwein@keglerbrown.com and tony.mendoza@sierraclub.org)

People Working Cooperatively (<u>asonderman@keglerbrown.com</u> and <u>mkimbrough@keglerbrown.com</u>)

Greater Cincinnati Health Council (dhart@douglasehart.com)

Kroger (hussey@carpenterlipps.com)

Constellation New Energy, Inc, and Exelon Generating Company, LLC (glpetrucci@vorys.com, mhpetricoff@vorys.com, mjsettineri@vorys.com, david.fein@exeloncorp.com, cynthia.brady@constellation.com, lael.campbell@constellation.com)

Retail Energy Supply Association (<u>glpetrucci@vorys.com</u>, <u>mlpetricoff@vorys.com</u>, <u>mlsettineri@vorys.com</u>)

University of Cincinnati (<a href="mailto:mhpetricoff@vorys.com">mhpetricoff@vorys.com</a>)

Miami University (<a href="mailto:mhpetricoff@vorys.com">mhpetricoff@vorys.com</a>)

Environmental Law and Policy Center (<u>rkelter@elpc.org</u> and <u>jvickers@elpc.org</u>)

Natural Resources Defense Council (swilliams@nrdc.org)

Enernoc (gpoulous@enernoc.com, sechler@carpenterlipps.com)

City of Cincinnati (tobrien@bricker.com)

Ohio Power Company (stnourse@aep.com, misatterwhite@aep.com, and yalami@aep.com)

Wal-Mart/Sam's East (<u>dmason@ralaw.com</u>, <u>mtraven@ralaw.com</u>, and <u>rchamberlain@okenergylaw.com</u>)

Ohio Development Services Agency (dstinson@bricker.com and dborchers@bricker.com)

PUCO Staff (<u>steven.beeler@puc.state.oh.us</u>, <u>thomas.lindgren@puc.state.oh.us</u>, <u>ryan.orourke@puc.state.oh.us</u>)

Attorney Examiners (christine.pirik@puc.state.oh.us and nicholas.walstra@puc.state.oh.us)

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

5/1/2015 12:52:20 PM

in

Case No(s). 14-0841-EL-SSO, 14-0842-EL-ATA

Summary: Application for Rehearing and Memorandum in Support electronically filed by JOSEPH CLARK on behalf of Direct Energy Services, LLC and Direct Energy Business, LLC



From:

Teamann, Cynthia A <cteaman@firstenergycorp.com>

Sent:

Friday, December 18, 2015 1:02 PM

To:

DEBUtilityOperations@directenergy.com; Carl,Boyd@directenergy.com;

Juan.Padron@directenergy.com

Cc:

Stein, Edward B.; Caruthers, Anna M

Subject: Attachments: RE: Missing accounts in calculated load obligations reported to PJM for JCPL zone Strategic Energy Customer Analysis Energy & Capacity Impacts JCP&L Account.xlsx

Here is the additional JCPL account information referred to in the email below. Second email is due the 20 MB size limitation on email attachments.

Thank you, Cindy Teamann Manager, Regulated Settlements FirstEnergy Service Corp 724-838-6672

From: Teamann, Cynthia A

Sent: Friday, December 18, 2015 12:53 PM

To: 'DEBUtilityOperations@directenergy.com'; 'Carl.Boyd@directenergy.com'; 'Juan.Padron@directenergy.com'

Cc: Stein, Edward B.; Caruthers, Anna M

Subject: Missing accounts in calculated load obligations reported to PJM for OEEDC zone

Importance: High

We have determined that the load for three customers was not accounted for in Direct Energy Business's load obligation submitted to PJM respective to the OEEDC zone as follows:

08007225331130000103

from 12/1/13 to 6/30/15

08004637570000532552

from 5/22/14 to 9/30/15

08033869131930101652

from 6/5/14 to 9/30/15

During this time, these customers' load obligation remained assigned to their previous supplier. Unfortunately, your company has received the revenue from these customers while other suppliers paid for energy and capacity services. Additionally, we have also identified one account in NJ, where DEB was the harmed party, i.e. continued to pay for a customer's energy services while its active supplier collected the revenue.

These errors are beyond PJM's 60 day window so we will need to remediate this with out of market bilateral settlements through PJM.

As background, FirstEnergy Settlements was notified a few weeks ago that an Ohio LSE had noticed that its largest account's load was missing from the load obligations we report to PJM for billing. A thorough investigation was performed by our IT group which determined that a flag had been accidentally activated on this account that caused no record to be created for the Settlement system's daily extract file that contains any supplier changes or other updates made to this account. Because our Settlement system received no supplier change record, it continued to report the customer's load obligation to this customer's previous supplier. We were unaware that the flag existed or what the consequences were when the flag is made active on any account. The flag serves no purpose in our CCS system and would only be activated as a result of user error. Our IT group reviewed the entirety of our FE operating companies accounts and found a few additional accounts that also had this flag in an active state. All accounts were fixed in our CCS



From: Teamann, Cynthia A [mailto:cteaman@firstenergycorp.com]

Sent: Monday, December 28, 2015 2:22 PM

To: Padron, Juan; \_DEB Utility Operations; Williams, Angela

Cc: Stein, Edward B.; Caruthers, Anna M

Subject: RE: Missing accounts in calculated load obligations reported to PJM for OEEDC zone - Energy

only costs for three only accounts

Juan and Angela, Attached is the file contained the financial calculation for energy costs as it relates to the three accounts where DEB owes money to these customers' current Suppliers due to an error in our CCS system. A second file containing the related capacity costs will be sent in a separate email.

Thanks for your attention to this matter.

Sincerely,——

Cindy Teamann Manager, Regulated Settlements FirstEnergy Service Corp 724-838-6672 724-331-5328 (cell)

From: Padron, Juan [mailto:Juan.Padron@directenergy.com]

Sent: Monday, December 28, 2015 1:32 PM

To: Teamann, Cynthia A < <a href="mailto:cteaman@firstenergycorp.com">cteaman@firstenergycorp.com</a>; \_DEB Utility Operations

< <u>DEBUtilityOperations@directenergy.com</u>>; Boyd, Carl < <u>Carl.Boyd@directenergy.com</u>>;

Williams, Angela < Angela. Williams@directenergy.com >

Cc: Stein, Edward B. < steineb@firstenergycorp.com >; Caruthers, Anna M

<acaruthers@firstenergycorp.com>

Subject: RE: Missing accounts in calculated load obligations reported to PJM for OEEDC zone

Confirm that I received one of the spreadsheet (where we are being charged). I am missing the one that calculates what we are being credited. I am included Angela, as she is the one settling our PJM accounts, to bring her in the know. Thanks!

From: Teamann, Cynthia A [mailto:cteaman@firstenergycorp.com]

Sent: Monday, December 28, 2015 9:01 AM

To: \_DEB Utility Operations; Boyd, Carl; Padron, Juan

Cc: Stein, Edward B.; Caruthers, Anna M

Subject: RE: Missing accounts in calculated load obligations reported to PJM for OEEDC zone

Importance: High

Juan or Carl, Can you please confirm that you received two files from me on Dec 18th that provided the supporting cost calculations respective to the three FirstEnergy Ohio accounts and one JCPL account as described in the email below? I received messages from Outlook that the attachments exceeded size limitations and so I made several attempts to send the documentation.

Also, please let me know if you have any questions or concerns that you would like to discuss further.

We will follow up with PIM bilateral forms for your signature to correctly assign the energy and capacity costs respective to all four of these accounts that were assigned to the wrong supplier in From: Teamann, Cynthia A

Sent: Monday, December 28, 2015 3:26 PM

To: Padron, Juan < Juan.Padron@directenergy.com >; \_DEB Utility Operations

< DEBUtilityOperations@directenergy.com>; Williams, Angela < Angela.Williams@directenergy.com>

Cc: Stein, Edward B. <steineb@firstenergycorp.com>; Caruthers, Anna M <acaruthers@firstenergycorp.com>

Subject: RE: Missing accounts in calculated load obligations reported to PJM for OEEDC zone - Capacity only costs for

EXHIBIT

Companies 6

three Ohio accounts 2 of 2

Juan and Angela, This is the second file (referred to in previous email) which contains the related capacity costs for the three accounts where DEB owes money to these customers' current Suppliers due to an error in our CCS system. Thanks for your attention to this matter.

Sincerely,

Cindy Teamann Manager, Regulated Settlements FirstEnergy Service Corp 724-838-6672 724-331-5328 (cell)

From: Padron, Juan [mailto:Juan.Padron@directenergy.com]

Sent: Monday, December 28, 2015 1:32 PM

To: Teamann, Cynthia A < <a href="mailto:cteaman@firstenergycorp.com">cteaman@firstenergycorp.com</a>; \_DEB Utility Operations

< <u>DEBUtilityOperations@directenergy.com</u>>; Boyd, Carl < <u>Carl.Boyd@directenergy.com</u>>; Williams, Angela

< Angela. Williams@directenergy.com >

Cc: Stein, Edward B. <steineb@firstenergycorp.com>; Caruthers, Anna M <acaruthers@firstenergycorp.com>

Subject: RE: Missing accounts in calculated load obligations reported to PJM for OEEDC zone

Confirm that I received one of the spreadsheet (where we are being charged). I am missing the one that calculates what we are being credited. I am included Angela, as she is the one settling our PJM accounts, to bring her in the know. Thanks!

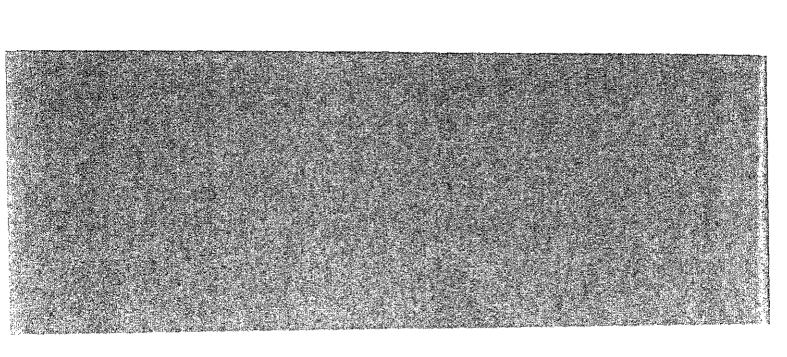
From: Teamann, Cynthia A [mailto:cteaman@firstenergycorp.com]

Sent: Monday, December 28, 2015 9:01 AM

To: \_DEB Utility Operations; Boyd, Carl; Padron, Juan

Cc: Stein, Edward B.; Caruthers, Anna M

1



EXHIBIT

Companies 9

# PJM Manual 28:

**Operating Agreement Accounting** 

Revision: 79

Effective Date: April 1, 2018

Prepared by
Market Settlements Development Department
PJM © 2018





- o Each Market Participant's five minute interval real-time energy injections and energy withdrawals (MW)
- o The hourly RTO system-wide Day-ahead System Energy Price (\$/MWh)
- o The five minute RTO system-wide Real-time System Energy Price (\$/MWh)
- PJM calculates the Day-ahead Spot Market Energy charge (positive or negative) for each hour for each Market Participant as:

```
Day-ahead Spot Market Energy Charge=

[(Day-ahead Scheduled Energy Withdrawals) *

(Day-ahead System Energy Price)
```

- -[(Day-ahead Scheduled Energy Injections)\*(Day-ahead System Energy Price)]
- PJM calculates the Balancing Spot Market Energy charge (positive or negative) for each five minute interval for each Market Participant as:

```
Balancing Spot Market Energy Charge =
```

```
(Five minute Real-time withdrawals — Five minute Day-ahead scheduled withdrawals
)

* (Five minute Real-time System Energy Price) ÷ 12
-[(Five minute Real-time injections-Five minute Day-ahead scheduled injections)
*(Five minute Real-time System Energy Price ÷ 12)]
```

# 3.9 Reconciliation for Spot Market Energy Charges

PJM will calculate reconciled Spot Market Energy charges for EDCs and Retail Load Aggregators (a.k.a. Electric Generation Suppliers) for past monthly billings on a two month lag. The reconciliation kWh data must be supplied to PJM by the EDCs no later than the last day of the billing month that is two months after the original billing month. For example, all reconciliation data for January must be submitted by March 31 at 23:59. The reconciliation kWh data represents the difference between the scheduled Retail Load Responsibility or Wholesale Load Responsibility InSchedule (in MWh) and the "actual" usage based on metered data. This hourly kWh data must be reported separately for each applicable InSchedule contract.

PJM calculates the Spot Market Energy charge reconciliations by multiplying the kWh data (derated for transmission losses) by the real-time PJM System Energy Price for that hour. These charge reconciliations are then totaled for the month for each EDC or Retail Load Aggregator. Note that the reconciliation for Spot Market charges for a month may be either a positive or a negative value, and may even be such that the reconciled load responsibility MWh results in a negative load quantity.



## MSS Settlement C Package Proposal

Direct Energy PHI





- Impacted LSE consent no longer required
- PJM and EDC notify all LSEs in impacted zone

PJM and EDC notify all zonal LSEs of Settlement C initiation

- PJM coordinates with zonal EDC and LSEs on timing, bills impacted, etc.
- Only affected zone resettled
- Retain 2 year window

### Settlement C Package

- Reporting of all Settlement C instances through MSS/MRC/MC
- Include nature of issue leading to resettlement, dollar amount, number of impacted LSEs, LSE, EDC, others?
- Establish metrics to trigger additional review (specific number of Settlement Cs in an EDC zone?)
- Any additional review conducted through MSS PJM and relevant EDC/LSE



## Settlement C Package - Areas for Discussion

- Include all RLR & WLR InSchedule changes in the zone after Settlement B?
- Allow LSE validation of RLR/WLR by providing for regular Settlement C (by





- Two Distinct Settlement Processes Occurring Retail and Wholesale
- wholesale resettlement occurs Retail level rebilling will occur for specific customer(s) regardless of whether
- Without wholesale resettlement imbalance/cross-subsidy is created

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## Two Distinct Settlement Processes

- Retail Billing Conducted based on EDI transactions between EDC and LSE
- Wholesale Billing Conducted based on RLR transactions between RTO and LSE utilizing RLR schedules submitted by EDC to RTO



### BING, ZOTIC









### RTO BIIIs LSE 1 3 KWH × LMP

LSE Bills Customers
Customer 1 - 1 KWH x Rate
Customer 2 - 2 KWH x Rate
3 KWH

### RTO Bills LSE 2 5 KWH × LMP

LSE Bills Customers
Customer 1 - 1 KWH x Rate
Customer 2 - 4 KWH x Rate
5 KWH



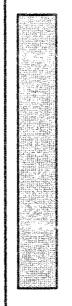
## LSE Customer Billing

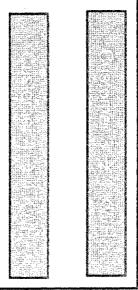












### **RTO Bills LSE 1**

3 KWH × LMP

LSE Bills Customers
Customer 1 - 1 KWH x Rate
Customer 2 - 2 KWH x Rate

3 KWH

5 KWH x LMP **RTO Bills LSE 2** 

### LSE Bills Customers

Customer 1 - 1 KWH x Rate Customer 2 - 4 KWH x Rate 5 KWH





- requirement that sum of aggregated meter reads tie to PJM pMTR Load with EDC develops LSE RLR schedules based on aggregated meter reads and PJM Losses
- EDC provides LSE RLR schedules to RTO
- RTO bills LSE based on RLR schedule



# Issues Causing Reconciliation and Impacts



- Specific issues that can result in incorrect RLRs:
- Customer incorrectly assigned to LSE can occur even with AMI because EDI/legacy systems still utilized for customer registrations timing of registration processing
- Meter programming protocol errors (in the field or within systems)
- Calculation error systems, spreadsheets, human error
- Enrollment errors
- Estimation errors due to:
- Accessibility issues
- Meter failure
- Multiple read cycles (i.e., more than twice)



### 

### RTO Bills LSE 1 34 KWH x LMP

Customer 2 - 2 KWH x Rate 3 KWH

Customer 1 - 1 KWH x Rate

LSE Bills Customers

### **RTO Bills LSE 2**

54 KWH x LMP

LSE Bills Customers
Customer 1 - 1 KWH x Rate
Customer 2 - 4 KWH x Rate
5 KWH



- LSE's Retail Customer Billing
- No impact
- RTO LSE Settlement
- LSEs billed based on improper volume by RTO

EJM©2015



### Reconciliation

- LSE Customer Billing
- None
- RTO LSE Settlement
- Both LSEs billed based on proper RLR volumes

Reconditation sets proper supply volumetoes: for both LSEs



## **Customer Meter Read Fails**

Customer 1's meter isn't read







### RTO Bills LSE 1 23 KWH x LMP

Customer 2 - 2 KWH x Rate 23 KWH

Customer 1 - 04 KWH x Rate

LSE Bills Customers

### RTO Bills LSE 2 65 KWH x LMP

### LSE Bills Customers

Customer 1 - 1 KWH x Rate
Customer 2 - 4 KWH x Rate

5 KWH



- LSE Customer Billing
- LSE 1 (EDC in rate ready) bills Customer 1 based on improper EDI meter data
- RTO LSE Settlement
- Both LSEs billed based on improper volume by RTO



- LSE Customer Billing Reconciliation
- LSE 1/EDC rebills Customer 1 based on EDI meter value correction
- RTO LSE Settlement
- Both LSEs billed based on proper RLR volumes

Recondibilion ensures RTO selllement/LSE cost aligns with LSE Customar Billing Repondition



### **Problem Statement / Issue Charge**

### Third Settlement ("Settlement C") Business Process

A Third Settlement process, informally known as "Settlement C," allows Electric Distribution Companies ("EDCs") the ability to true-up the market for significant errors at some defined period after the 60 day Settlement ("Settlement B") is performed. As currently employed by PJM and utilized by EDC members, the Settlement C has limited efficacy because of the requirement that all affected parties must consent to a resettlement. Even if there is no meaningful dispute that a billing error has in fact occurred, there are instances when it can be difficult and time-consuming to obtain unanimous consent to resettle when multiple parties are affected.

### **Brief Background**

PJM issues month-to-date invoices on a weekly basis. Under its correction limits proviso, (Section 3.6.6 of the Operating Agreement), a member has up to two years from the date of the error to request a PJM billing adjustment for a metering error, and such adjustments are limited to the most recent annual accounting period of the impacted market participant. In 2008, PJM and some of its members recognized that there needed to be a protocol for a third settlement, and the Market Settlements Reporting System ("MSRS") that was implemented by PJM in August 2008 allowed the implementation of a Settlement C within PJM. The proposal that was advanced through the PJM stakeholder process in 2009 was ultimately not adopted and, instead, a modified Settlement C process was developed. This Settlement C allows the resettlement of bills not more than two years after the first date on which the billing for the month occurred. PJM will toll the two year period when notified of an error. However, under Section 3.6.2, if a metering error is discovered, and both impacted participants agree there is an issue and notify PJM of its existence, and no other parties are affected, PJM will correct the error. If, however, the error involves a metering error as reported by an EDC, the likelihood is that all Load Serving Entities ("LSEs") would be affected by resettlement and unanimous consent is required to resettle. (A resettlement to correct a metering under-registration error, for example, would require that the LSE serving the customer purchase more power from PJM and collect more from the customer. At the same time, most other market participants would likely benefit because they would receive a credit against the amount they paid for the pro-rata share of the unaccounted for difference between the aggregated load of the retail meters of the EDC and the PJM zonal load for the EDC's zone.) Because unanimous consent can at times be difficult to obtain, the result has been that even large and indisputable metering errors have gone uncorrected.

PJM has interpreted its tariff to allow resettlements of metering and other billing errors beyond 60 days and up to two years, provided that all affected LSEs agree. PJM has interpreted its tariff such that LSE agreement is determined by every LSE consenting in writing to the resettlement. There is no formal process for how such agreement is obtained, so it is up to the parties affected by the error to contact all parties. With the increased growth of retail competition, this has become a highly impracticable solution. In one case where PJM received erroneous meter data, 44 parties would have had to agree to resettlement. Ultimately all 44 parties were contacted and only 5 responded, all affirmatively, but to no avail. In informal discussions, PJM stated that even if the state utility commission issued an order recognizing the error and supporting correction, that order would not satisfy or override the requirement that LSEs must agree to resettlement. Thus the provisions of the Settlement C business process as currently employed are unjust and unreasonable from a few perspectives. First, it can be

challenging to secure sign off from a market participant if the participant believes they would be harmed by a resettlement, even if all parties acknowledge a significant billing error. Secondly, there is no process or rules on how to contact affected parties, when they must respond, what to do when no response is received, or only one materially impacted party refuses to sign off.

Metering is essentially in a transitional stage — with increased retail competition, conversion from older forms of metering to the use of AMI metering, more complicated metering arrangements with shifting load, demand-side management and behind the meter generation, etc. In spite of all parties' best efforts to get the right metering data and to verify the data on their bills, it has proven to be impossible—to ensure that all errors are identified and corrected within 60 days. If it is only two parties involved in the error, then they may have two years to correct the error. But that is rarely the case; and if there are more than two parties involved, even an indisputable error with precisely quantifiable results may be left uncorrected because of the structure of Settlement C. While the expectation is over time we will have fewer and fewer incidents of metering and other errors as the AMI technology expands and parties adapt and transition to its use, at the present moment they do occur, and they can have huge effects on the aggrieved parties. When a significant error is found, the market should provide a more reliable and equitable process to right the wrong.

Market participants have considered the issue before and hence the development of Settlement C. In fact, this issue was revisited in 2013 by the Market Settlements Subcommittee (MSS), and that group ultimately agreed to defer any action until the issue of the extension of PJM PowerMeter and InSchedule deadlines was resolved. Now that the resolution of those issues has been implemented (June 1, 2015), some EDCs and other PJM members believe it is time to again examine Settlement C in the PJM market. Settlement C is intended to provide additional time to correct metering and other billing errors, while providing some finality to billing invoices. Experience has shown, however, that the current Settlement C process does not work in all cases. Requiring that all metering errors be discovered within a 60 day time-period (meeting Settlement B criteria) or that all affected parties must agree to a rebilling is impracticable. Given the increase in market participants, switching that takes place between default and competitive suppliers, more sophisticated meter readings and as traditional meter readings that require actually going out to the field and transmitting data, a more equitable treatment of metering and other billing errors discovered beyond 60 days is warranted.

Changing Settlement C will not affect PJM resettlement capabilities. PJM currently has the capability to resettle errors beyond the 60 day period.

Commissioner Moeller in a recent concurrence in a New York Independent System Operator matter noted the need for RTOs to have adequate resettlement processes in hand. In contrast to the PJM approach, because of the wording of the NYISO tariff, it is clear that NYISO may resettle bills and correct errors that are identified for periods well beyond the 60 day Settlement B process that PJM has.

### **Problem Statement / Issue Charge**

The PJM Settlement C process is still not sufficient to allow for correction of agreed to metering and other billing errors.

The Settlement C process is not a fair approach to correcting legitimate metering and other billing errors, and PJM's interpretation as to how to achieve LSEs' "agreement," is not reasonable.

Metering and other billing errors will continue but ultimately diminish over time as market participants adjust to new technology, AMI is implemented on a wider scale throughout the region, and more parties are involved in receiving and settling bills involving shared meter readings.

- Consider a formal third Settlement process within PJM settlements, or an official Settlement C
  that would be similar to, and in addition to, the current 60-Day Settlement B reconciliation
  process
- Consider a superior method to allowing for resettlement of errors involving more than two parties
- Consider extending the two year window for resettlements

### **Issue Source**

The Dayton Power and Light Company Direct Energy PepcoHoldings, Inc.

Potomac Electric Power Company Delmarva Power & Light Company Atlantic City Electric Company

### **Stakeholder Group Assignment**

Recommendation would be for the MSS to develop potential solutions and include a recommended approach.

### **Key Work Activities**

- 1. Establish benefits of this activity and their value.
- 2. Determine a final pro/con list
- 3. PJM and stakeholders to identify specifics of any potential solutions
- 4. Determination of tariff and business manual language to implement proposed solutions.
- 5. Vote on proposals.
- 6. File at FERC, if necessary.

Expected implementation third quarter 2016.

### **Expected Deliverables**

See Key Work Activities Above

### **Expected Overall Duration of Work**

9-12 months

### **Decision Making Method**

Tier 1 consensus (near-unanimity) on a single proposal (preferred) or Tier 2, multiple alternatives.