Electric Supply Contracts Worst Pitfalls & Best Practices





Eoin Burke Consultant E-Quantum Consulting, LLC Mike Ellis Principal / Consultant E-Quantum Consulting, LLC

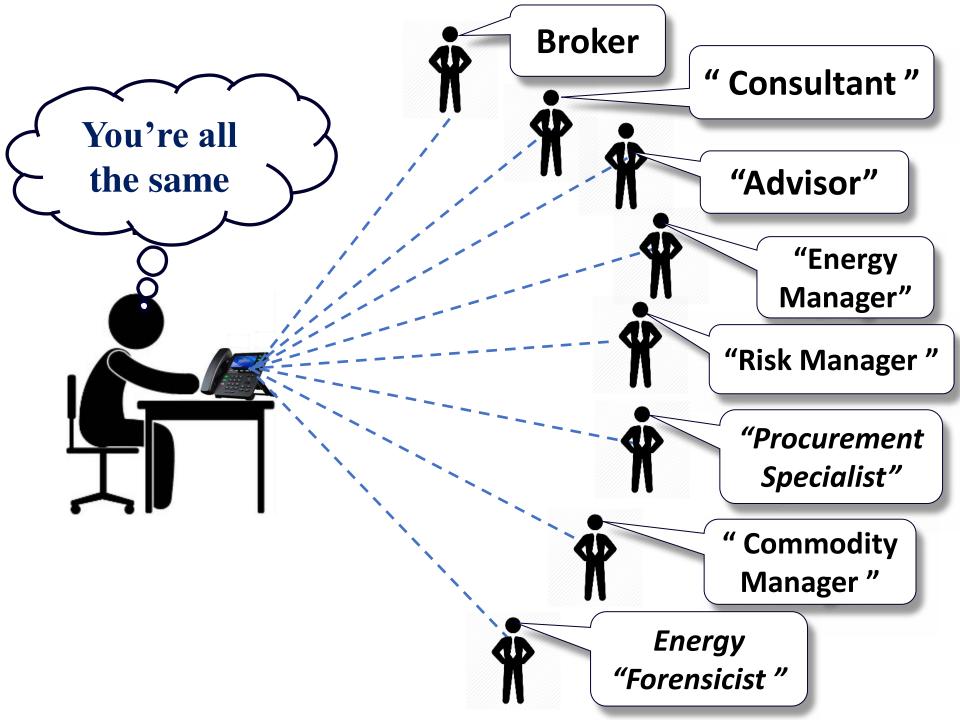
- 1. Qualifying any Energy Broker or Consultant
- 2. Electric Procurement Contracts
- 3. Reverse Auctions
- 4. Demand Response (DR)



1. Qualifying an Energy Broker or Consultant



450 Energy Brokers & Consultants in IL

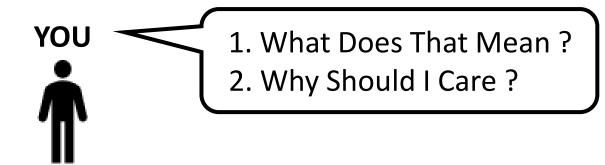


Need to First Find Out :

OR

Independent

Non-Independent





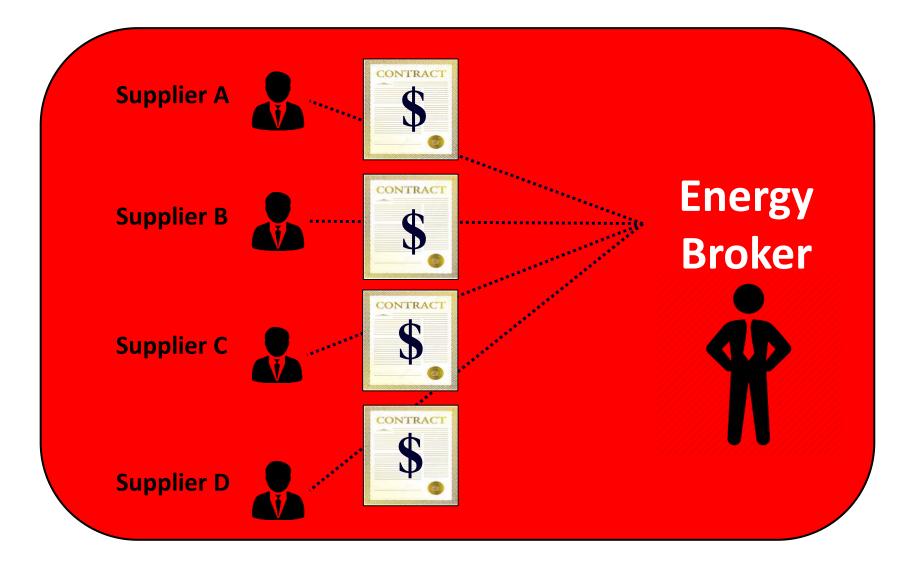


" not hold itself out as independent or unaffiliated with any supplier....unless the person...has no contractual relationship "

Public Act 096-1385

www.icc.illinois.gov/authority/agents-brokers-and-consultants

NON-Independent :



Advertised as "Independent"

OUR PROCESS IS RISK FREE

We work as an independent agent through energy suppliers buying **directly** from the wholesale market. If you sign with an energy supplier we represent,



offers facility owners and operators a comprehensive integrated energy management program independent of any manufacturers or suppliers of energy related equipment or services. The purpose of the program establishes best practices across all energy

is completely independent of any utility, energy commodity provider, or equipment supplier. A truly impartial total energy management company means we are able to configure and implement the best solution for our clients' unique energy requirements.

Utilizing a proprietary energy desk, our professionals blend market analytics and qualitative market factors to build a strategy to control members' energy costs over time. We ensure our energy management strategy remains current as market conditions change over time.

is 100% independent, not affiliated with any energy supply company, and works solely on the behalf of its members.

Verification Tool:

â icc.	.illinois.gov/utility/	€	☆	0
0	Illinois Commerce Consumers - Public Utility - Transportation - Search		Q	
Home				
Er	ntity Search Entity Name Entity Name			
1	Entity Name and hit search			
	entity name			
1	Authority Type		_	
	All Authority Types		•	
	Search Clear			

How to search with just 3 clicks (2 min)

https://www.youtube.com/watch?v=UlcnhwNEpik&feature=youtu.be

Required Disclosure :

ABC Annual Recertification under 83 IL Adm. Code 454

ABC Report Form: To be submitted annually by March 31. C

Section 454.110 Reporting Requirements

a) Each licensee shall submit a report identified with the name of the ABC as it appears in the most recent Commission order granting the ABC a license.

Licensee Name:

ICC Docket # for current certification

b) The annual report required by subsection (a) of this Section shall list <u>each</u> RES (Retail Electric Supplier) the licensee had any contractual relationship with during the prior calendar year, and shall contain the following information (NOTE: #2 & #3 below should include customers for which RES paid the licensee's fee, and #4 & #5 should include customers for which customer paid the licensee's fee. Do not count the same customer(s) twice. If you need additional space, please attach additional sheets.):

RES: AEP, Champion, Constellation, Direct Energy, Dynegy Energy, Energy.me, Entrust, Hudson, IGS, Kona, Mansfield, MC2, NextEra, Nordic Energy, Source Power

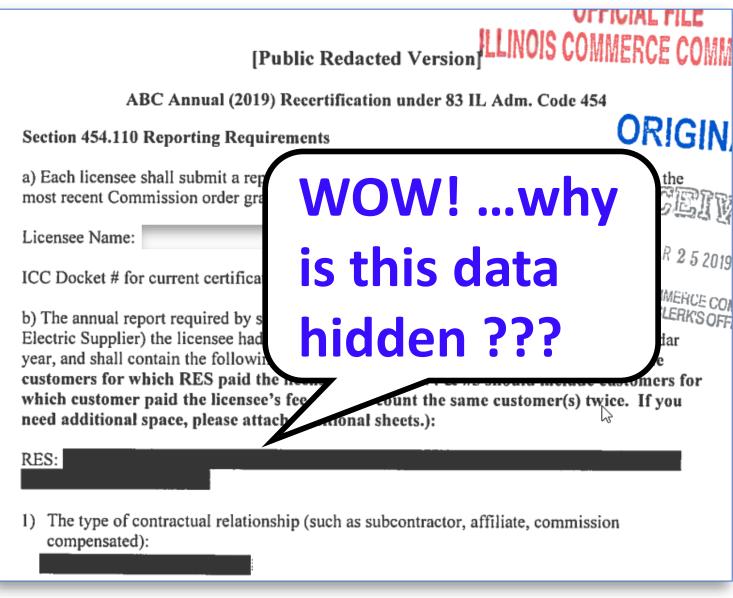
 The type of contractual relationship (such as subcontractor, affiliate, commission compensated):

Commission Compensated

OFFICIAL FILE ILLINOIS COMMERCE COMMISSION

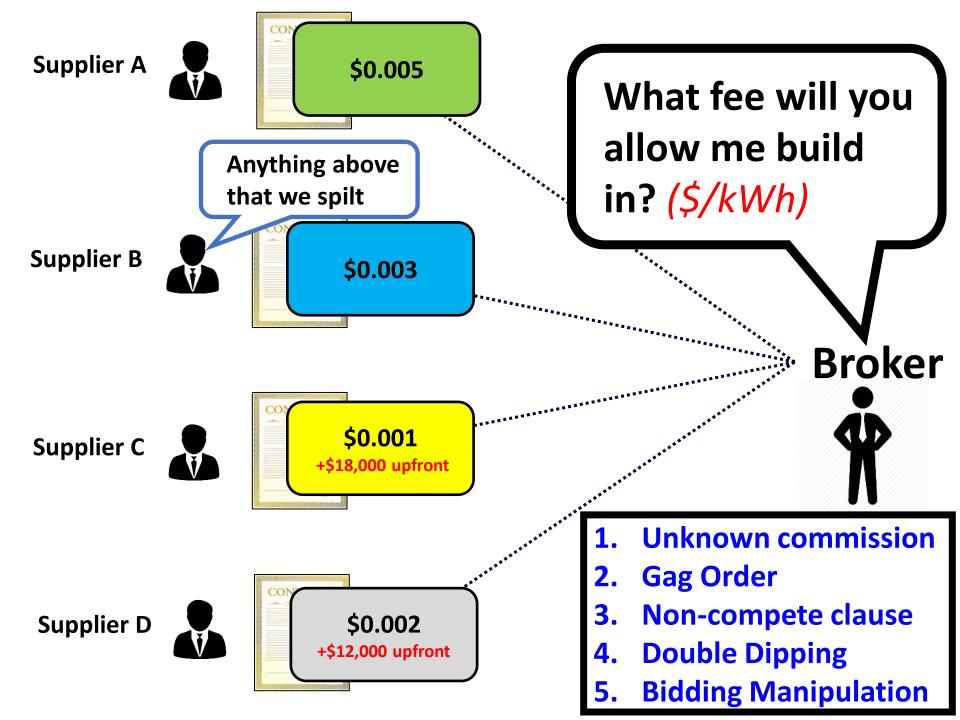
ORIGINAL ILLINOIS CC

Hidden Data :



Non-Independent?





The Missing KEY : **The Commission Contract**

NON-EXCLUSIVE BROKER AGREEMENT

This Non-exclusive Broker Agreement ("Agreement"), executed this day of , 2018 ("Effective Date") is entered into by and between Supplier, a corporation organized and existing under the laws of the State of Illinois, with its principal office located at 75 West Main, Suite 20, Chicago, Il at ("Broker"). Supplier and Broker are sometimes collectively referred 60601, and to in this Agreement as the "Parties" and are sometimes individually referred to as a "Party".

RECITALS

WHEREAS, SUPPLIER is a Licensed Alternative Retail Electric Supplier of electricity.

8. CONFIDENTIALITY. Except for matters of public record, information already within the other Party's possession prior to entering into this Agreement, and except to the extent required (through deposition, interrogatory, request for production, subpoena, civil investigative demand or similar process) by a court order, both parties agree to keep confidential all information, including but not limited to, Suppliers detail pricing and structures, Suppliers Retail Electricity Supply Agreements, the Non-Exclusive Broker Agreement, Broker commissions, Suppliers sales and marketing materials and any data collected hereunder, unless expressly agreed to in writing by either party. inted by SUPPLIER in writing ntain the confidentiality of any information that Broker receives the

	or as a result of this Agreement or Broker's involvement with SUPPLIER regarding
	pricing, products, and activities of SUPPLIER, except to the extent such information is
	required to be divulged in order for the Parties to negotiate the Customer Agreement or
	in order for SUPPLIER to perform its obligations hereunder;
d.	Broker shall abide by all applicable privacy policies of SUPPLIER;
e.	Broker understands that the pricing/contracting process for any residential customer or
	commercial customer with annual consumption under 15,000 kWh is different and
	subject to the processes outlined in the Supplier training documents.
f.	Broker shall not amend, supplement, alter, modify or accept waivers to any Customer
	Agreement, marketing materials, any of the rates for the electricity, or any other forms or
	documents (or any condition or provision of a form or document) provided to Broker by
	SUPPLIER; and
g.	Notwithstanding any provision contained herein to the contrary, it is specifically
-	understood between the Parties that Broker is not representing SUPPLIER in any
	negotiations or discussions relating to any Customer Agreement.
	regonations of discussions relating to any obsoluter regreement.
	V 1.1 Nov 2011 1

The Missing KEY : The Commission Contract

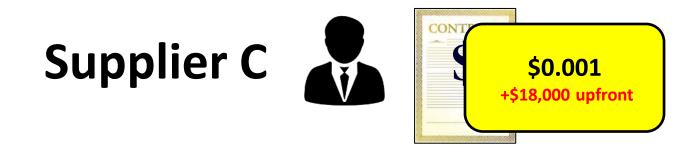
Broker Confirmation Schedule

Droke

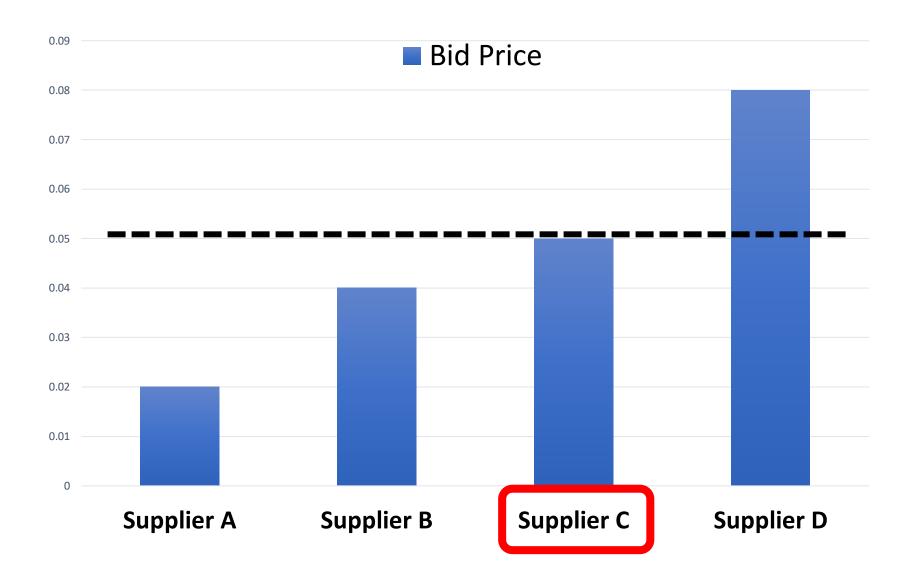
Broker Name Electric Broker Contract ID 123321 Customer Name Acme Manufacturing Contract Start Month 4/2019 Contract End Month 12/2019

Account Number	Site Locatio	n	Estimated Usage kWh	Cycle Start	Cycle End	Commission Rate \$/kWh
0146503102	1255 W Be	Ave	114,872	04/15/2019	12/12/2019	\$0.00400
9169914404	1255 W Be	Ave	190,182	04/29/2019	12/30/2019	\$0.00400
1406802500	1255 W Be	Ave	118,311	04/19/2019	12/18/2019	\$0.00400
6433503603	1255 W B4	Ave	12,531	04/17/2019	12/16/2019	\$0.00400
0531851803	1255 W Be	Ave	12,632	04/12/2019	12/11/2019	\$0.00400
Signature_ Print Name_			Signature Print Name			5
Title					•	
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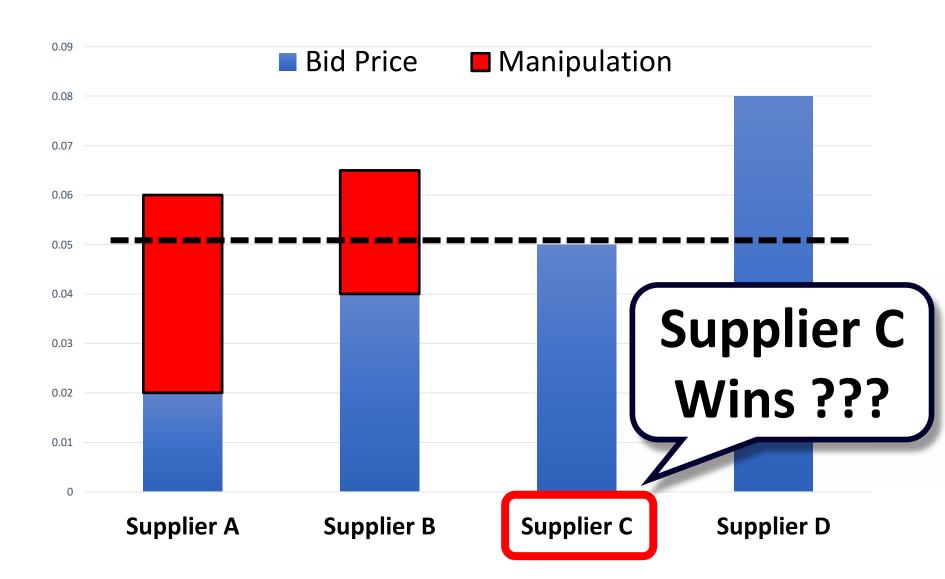
Bid Price Manipulation



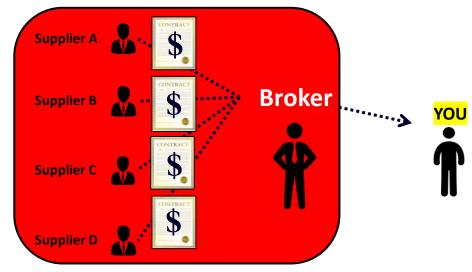
Bid Price Manipulation



Bid Price Manipulation



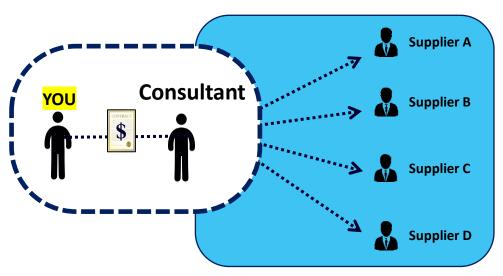
NON-INDEPENDENT





- 1. Conflict of interest
- 2. Commission Unknown
- **3. Higher Rates**
- 4. Double dipping risk

INDEPENDENT





Unbiased advice
 No contract with suppliers
 Flat fee

Qualifying Questions "Energy Advisor" Do you have a contractual relationship with any supplier? Can you email me your 2020 ABC Filing?



2. Electric Procurement Contracts ENERGY

<u>Nothing</u> else matters until this doc is understood



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Signed :

I Agree



ComEd

Evansville

Jäckson

203

kilometers

WHEN REFERENCE

Tennessee

406

Springfiel

PJM TARIFF

Flin

YOUR TARIFF COSTS

Capacity	kW
Transmission	kW
Ancillary	kWh
Losses	kWh
ARR/ML Credits	kWh
RPS	kWh

Knowille

Effective Date: 9/17/2010 - Docket #: ER10-2710-000 - Page 1

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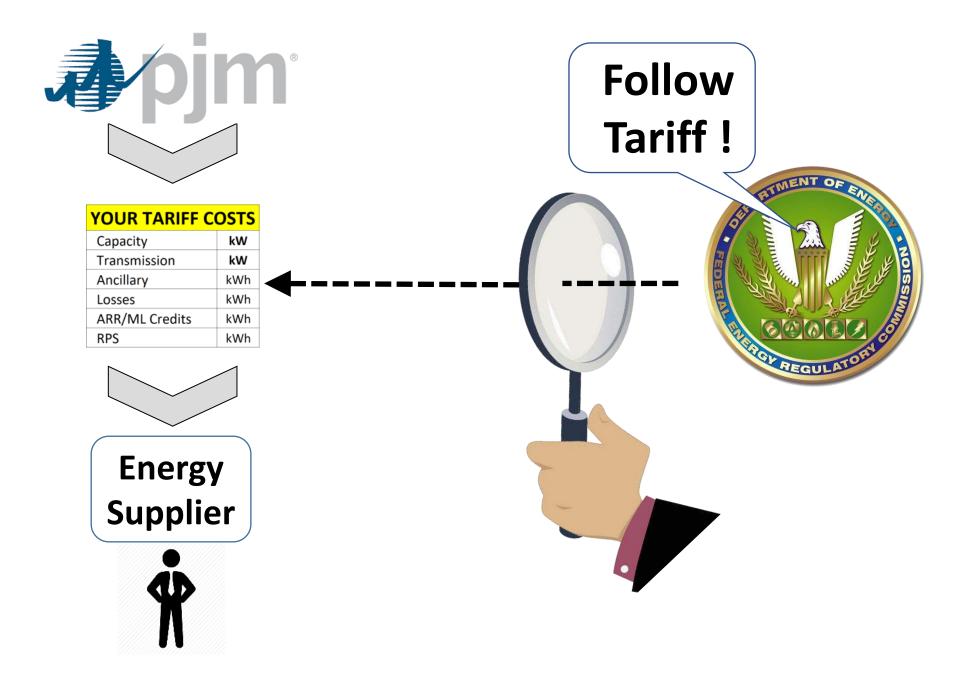
Durham

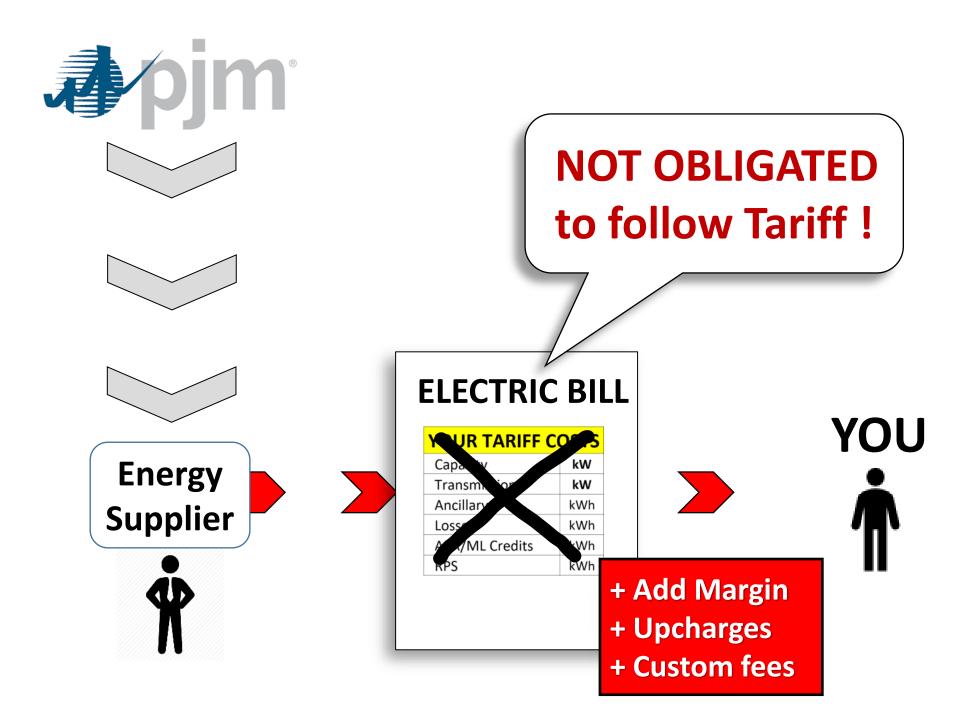
Fayetteville

Cary

Frederick

Welland Port Colborne





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Supplier

ENERGY CONTRACT

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Signed : _____

Understand <u>contract</u> before talking price

YOU





Bundled Electric Rates

(a.k.a all-Inclusive rates)



Bundled All-Inclusive "Fixed" \$/kWh

- Deviates from PJM Tariff
- Energy (commodity) is unknown !!
- Unfair risk exposure

Bundled Example (partially itemized)

Day Ahead Energy - 1,710,351.3223 kWh Total @ \$0.028947/kWh Fixed Adder - 1,710,351.3223 kWh Total @ \$0.01961/kWh Loss Charges - 1,710,351.3223 kWh Actual @ \$0.00207/kWh

STILL bundles

- 1. Index Adder (unknown)
- 2. Capacity (unknown)
- 3. Transmission (unknown)
- 4. Ancillaries (unknown)
- 5. RPS (unknown)
- 6. Credits (unknown)



RMR Costs are also included in the cont change if there is a change in law, as de "Fixed" or "Pass Through" herein, Capa Agreement.

"Fixed"

osts listed above as "Fixed" may be subject to

vithstanding any notation of Capacity Costs as

o the extent applicable during the term of this

Also, if Buyer has a change in use increases to Buyer. If costs in a commercially reasonab the payment terms of this Agreent **CEFIXED**

may pass through the resulting cost will calculate the amount of such will be due and payable pursuant to





Risk Exposure to UPCHARGES

Payments and Adjustments	
NITS Adjustment Debit on 01/30/17 February 2017	\$1,588.02
NITS Rate Adjustment	
Capacity Adjustment Debit on 01/30/17 February	\$3,315.88
2017 Capacity Rate Adjustment	
NITS Adjustment Debit on 01/30/17 January 2017	\$1,758.17
NITS Rate Adjustment	

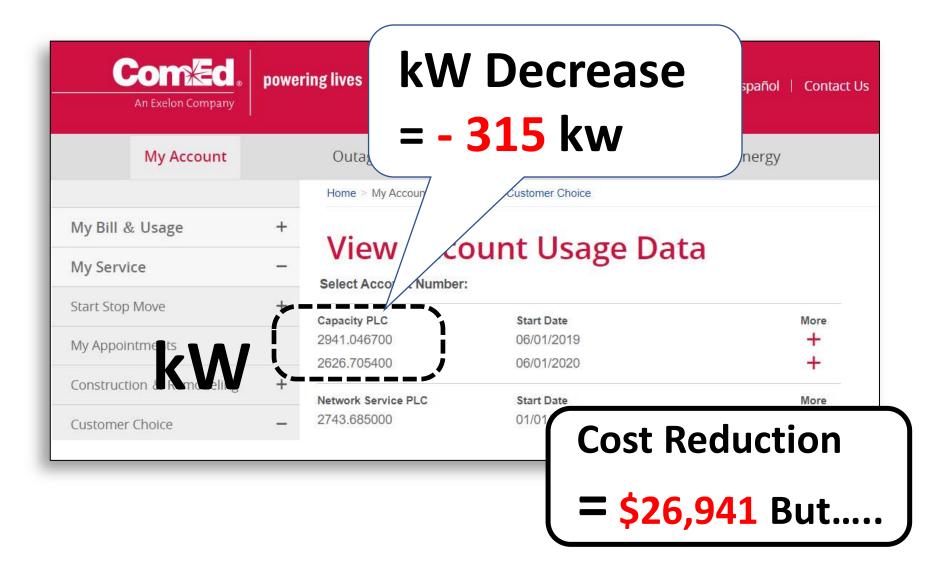


So are cost **REDUCTIONS** a pass-thru also?

ŕ

YOU

EXAMPLE : kW charge REDUCTIONS



EXAMPLE : kW charge REDUCTIONS

SECTION 5a: Variations
5a.1 Changes in Law. If a Change in Law occurs, Supplier may pass through any associated costs or credits to the Customer without markup.
5a.2 Material Change. Supplier reserves the right to pass through any additional costs incurred by Supplier as a result of Material Change to the Customer without markup.

...<u>Supplier</u> KEEPS benefit !!



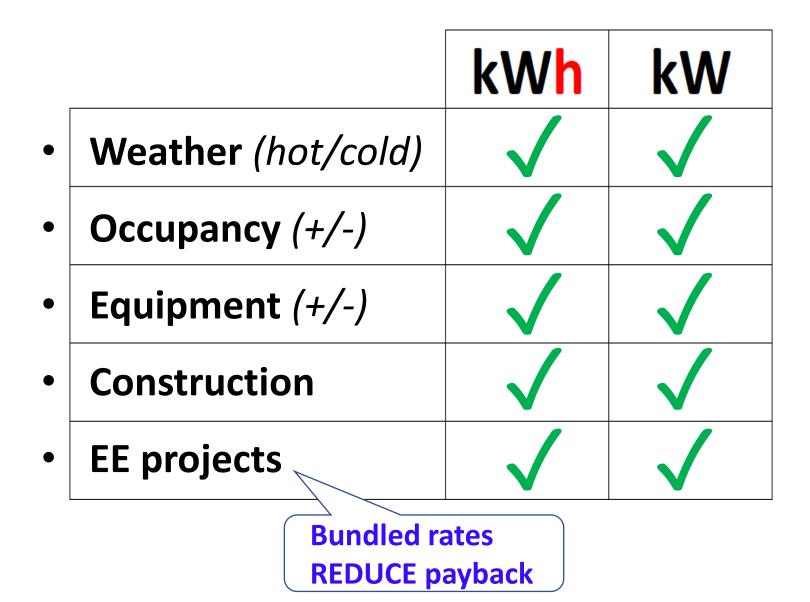
CHANGE creates RISK

Change in usage(kWh) and demand(kW)

0	An Exelon Company	powe	ring lives	Outage
	My Account		Outages	Ways to Save
			Home > My Account: My S	Service > Customer Choice
Bill &	& Usage	+	Select Account Numbe	r:
Servi			Capacity PLC 1531.135800	Start Date 06/01/2020
· ·	ntments	VV	Network Service PLC 1389.541300	Start Date 01/01/2020
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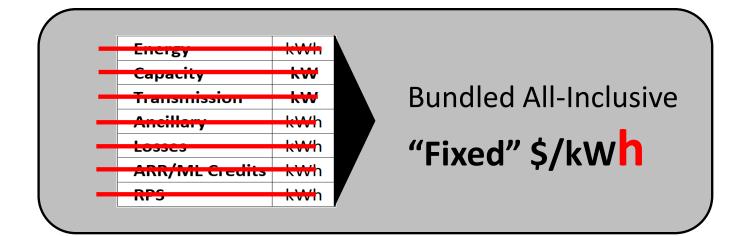
C	omæd.	powering lives		Out	nge Pay Bill 1	Moving Españal	Contact Us
Rate**	End of Billing Period	Days in Billing Period	Total KWH Usage	Dn-Peak KWH Isage	Off-Peak KWH Usage	Billing Demand (KW)	Monthly Peak Demand (KW)
R76	02/21/2019	2	1637296	Ų	0	3,963.76	4,092.16
F	1/2 / 01/	n	1589615	U	0	3,654.24	4,428.00
FU 6	1 9/2 5	3	1397264	0	0	2,863.19	4,217.31
R76	11/18/2018	30	1052473	i	0	2,796.36	3,888.02
R76	10/19/2018	30	826816	i	0	2,498.69	2,983.79
R76	09/19/2018	30	978649	I	0	3,803.29	3,803.29
R76	08/20/2018	29	947283	l	0	2,685.71	3,261.12
R76	07/22/2018	30	1033307		0	3,039.33	3,186.99
R76	06/22/2018	32	942243	U	0	2,811.08	3,359.84
R76	05/21/2018	27	670135	0	0	2,415.88	2,562.13
R76	04/24/2018	29	986010	1	0	3,066.65	4,012.76
R76	03/26/2018	33	1210714	i	0	2,603.99	3,627.43
R76	02/21/2018	29	1333328		0	3,855.08	4,686.20
R76	01/23/2018	35	1929517	1	0	3,916.95	4,463.42
R76	12/19/2017	33	1247922		0	2,824.61	4,178.41
R76	11/16/2017	24	867086	0	0	2,483.58	3,979.57
R76	10/23/2017	34	1080776	0	0	2,769.41	3,101.43
R76	09/19/2017	28	813220	i	0	2,444.51	2,528.11
R76	08/22/2017	30	1016149	I	0	2,643.70	3,048.69
R76	07/23/2017	32	1054926		0	2,827.02	3,313.40
R76	06/21/2017	30	908477		0	2,814.11	3,080.49
R76	05/22/2017	29	808641	U	0	2,574.24	2,964.79
R76	04/23/2017	31	942789	0	0	2,470.07	2,987.03

CHANGE is CONSTANT



RISK is CONSTANT

- Risk of upcharges
- Risk of no cost reductions





- 1. Not "Fixed"
- 2. Cost More (a premium)

3. High Risk Exposure (to upcharges)

It's the Supplier/broker's Favorite

Highest profit, fees easily hidden



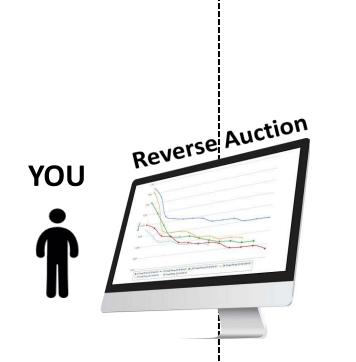
Reverse Auction Problems

What's behind the curtain ? Reverse Auction

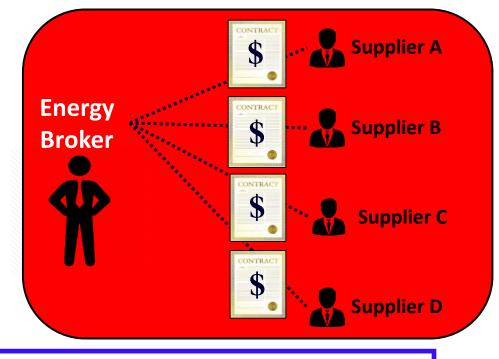
2 Find the 2018-01-01 + 12 Find the 2018-02-01 + 20 Find the 2018-02-01 + 24 Find the 2018-02-01 12 Find the 2018-02-01 - 28 Find the 2018-02-01



Reverse Auctions are run by...



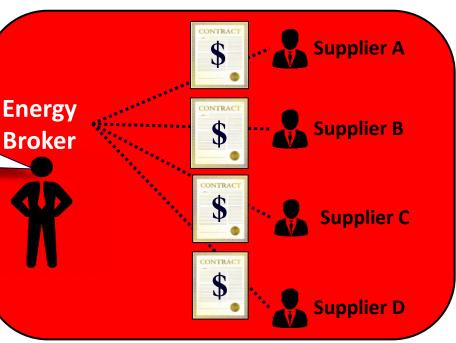
Non-INDEPENDENT brokers



- UNKNOWN commission
- YOU pay for it
- HIGHER rate

Non-INDEPENDENT brokers

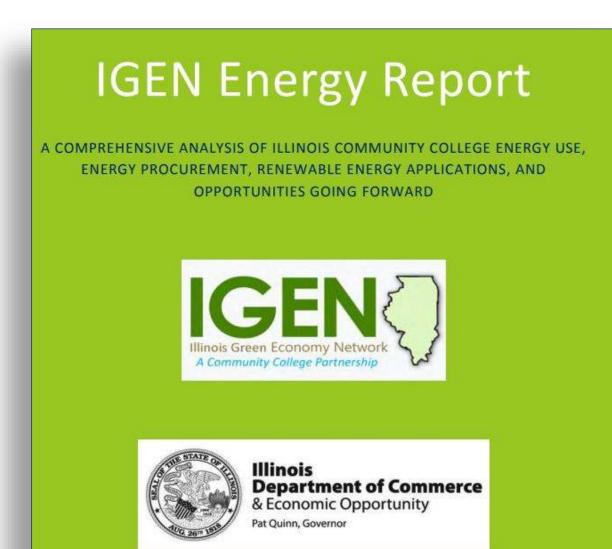
Okay fine, I'll just charge a *"flat"* fee



BEWARE OF DOUBLE DIPPING

Broker asks for "flat" fee <u>AND</u> quietly takes a hidden commission too

Illinois Study : Reverse Auctions



 <u>Reverse Auctions.</u> The Reverse Auction approach platform. The auction is held on a specified date a offers (but not the identities) of the other bidders a posting gradually lower bids until the auction perior

The Reverse Auction approach presents some a

FEE\$ are <u>not</u> transparent !!

- Transparency. Pricing submittals are transparent and recorded.
- Automation. The process allows the buyer to request pricing for different time periods and to automate evaluation

Less competition

me challenges:

ice. Suppliers approach all bidding opportunities with anen own absolute lowest price which is a d on the pricing variables identified in Table 6 above. In reverse auctions, the winning bidders are not necessarily forced to go to their absolute lowest price – they just need to offer a price lower than their closest price competitor.

Fees. When the cost of the auction (which likely ranges between 0.5-5.0%), is added to the final auction price. In order for the auction to deliver value, it must yield pricing results that offset these fees. No reverse auction firm contacted in our research was able to provide documentation that such savings have been consistently achieved.

 Size Limits. A reverse auction requires bidders to commit trading deserson auction and submit multiple bids. Many bidders will not commit such per contract opportunity.

Savings are not proven

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NO Savings NO Fee Transparency LESS Competition

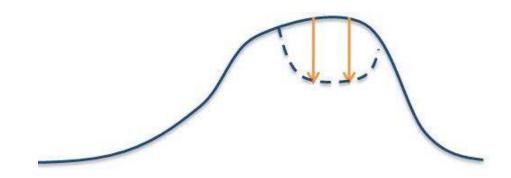
Problems are Compounded by:

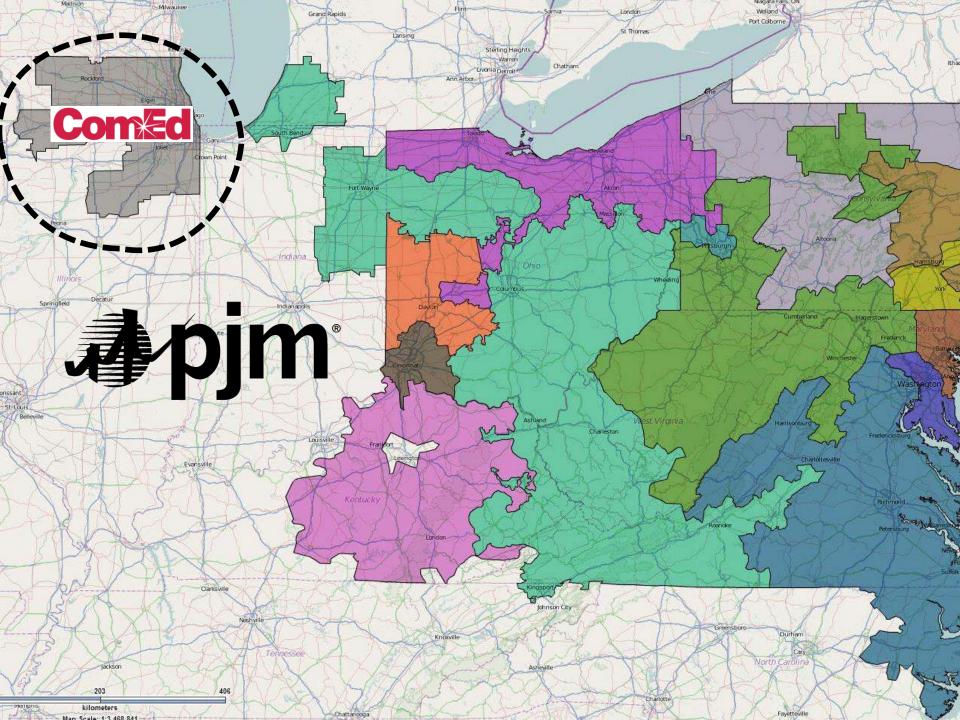
- Bundled rates
- Broker involvement
- Contract Risk
- Contract Execution timing



1. Demand Response :

Three(3) Ways To Lower Vendor Fees



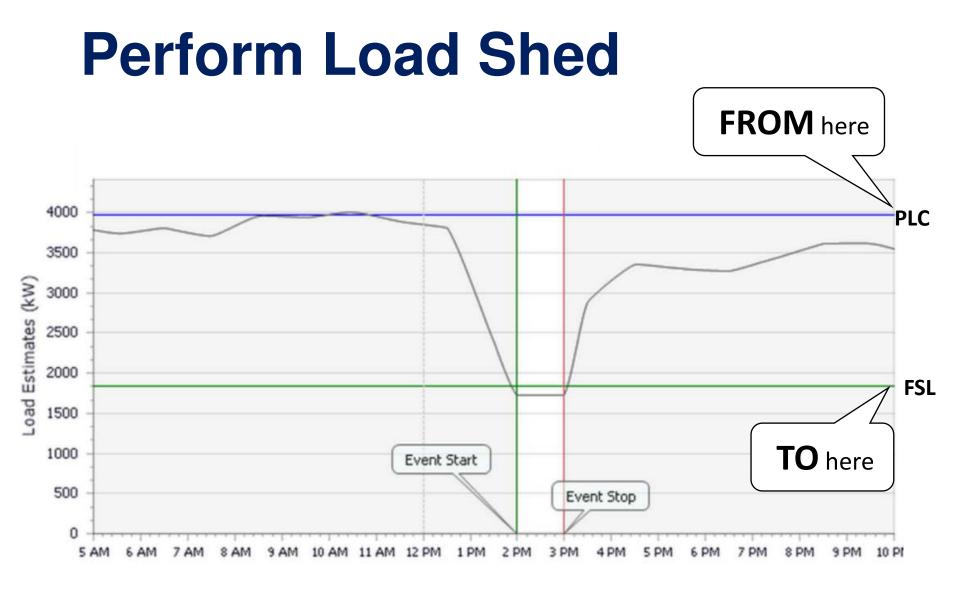


Capacity Program Incentive

1,000

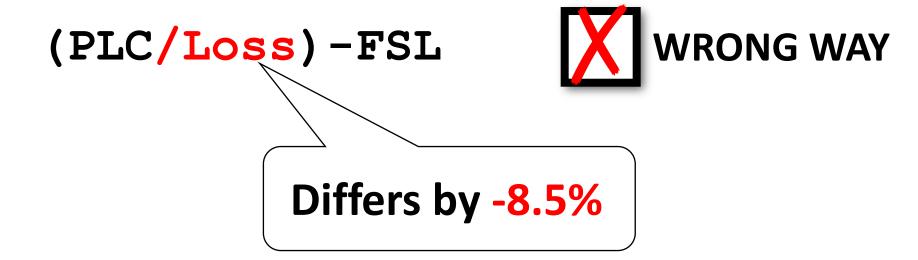
Load Drop (kW)

	2020-21	2021-22	2022-23	3-Year Total
Gross Revenue	\$68,851	\$71,375	\$71,375	\$211,601



Check Performance Calculation







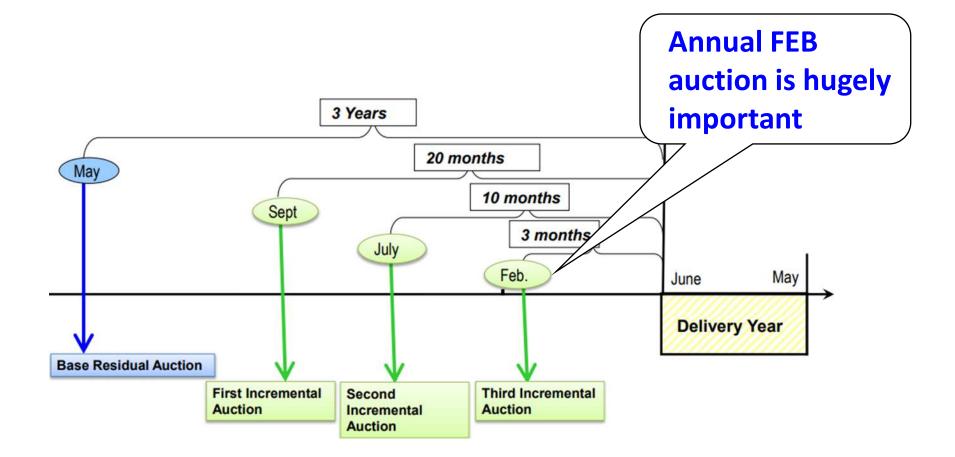
PLC-(Loss*FSL)



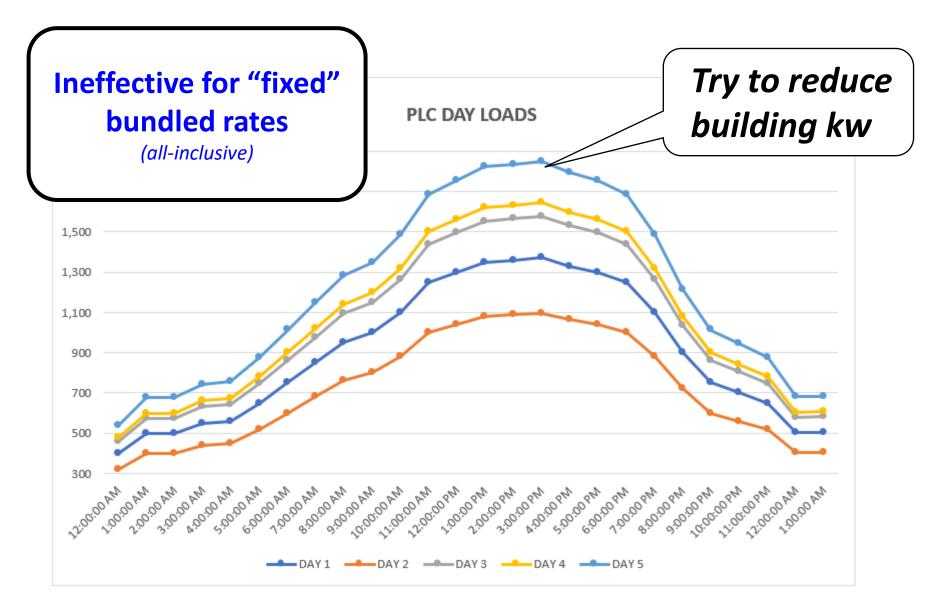
X



Sign Up in Sept-Dec (not last minute)



Manage down your PLC (most value) !!



Manage down your PLC (most value) !!

Com Exelon Company	» powe	ring lives	kW Deci	rease
My Account		Outages Home > My Account: My Se	_ = - 315 k	(W
My Bill & Usage	+			
My Service	-	View Acco	sage Dat	a
Start Stop Move	- (*	Capacity PLC 2941.046700	Start Date 06/01/2019	More
My Appointments Construction & Armorelin		2626.705400	06/01/2020	+
Construction & Removeling Customer Choice	+	Network Service PLC 2743.685000	Cost Re	eduction
			= \$26,	941 /yr

Just Be Aware of Third Party Referrals

- Technology partners, energy brokers, etc.
- Verify their independence (using tool)
- Avoid paying commission
- Kickbacks exist behind the scenes

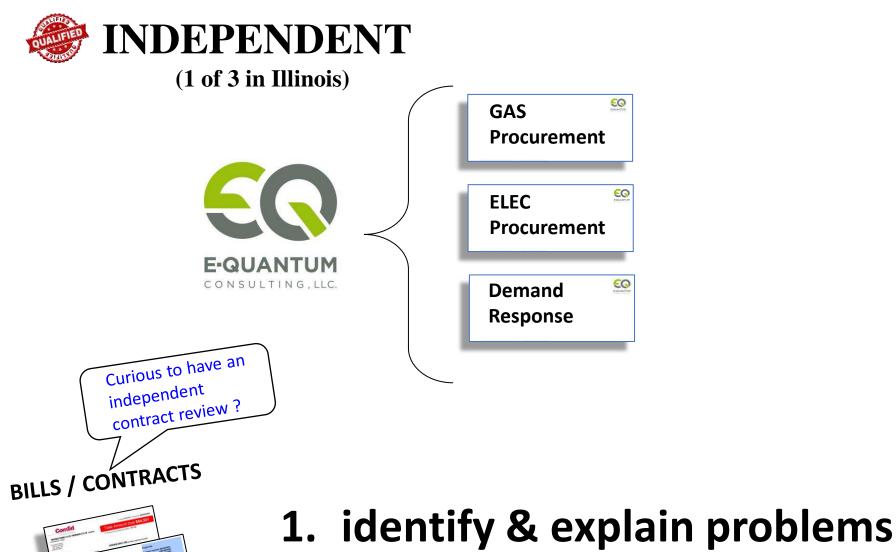
Call any CSP directly for a check bid



https://www.pjm.com/markets-and-operations/demand-response/csps.aspx

Brington, tre.	(917) 259-7862	- un
Date Energy Otric; Inc.	Line Christin (511) 287-1915	OH, KY
Dispanere Light Company	Adm. Pacepters (412) 193-6325	DC, DE, IL, DI, MD, NC, SU, DH, M, M, WV
Dynamic brangs Services Company, LLC	Indol Marce (634) 306-3872	0H
EDF Trading North America, LLC	China Amerikaan (281) 761-0346	HD, OH, M, IL
Bettin: America	247m #110mmhan (888) 817-8572	NJ.
ENC Development Company, Inc.	Tim: Sentaux (410): 531-2480	M, NJ, DE, OH, W, WK DC
ENEALA Priver Networks Inc.	Andy Catorier (604) 998-8921	DC, DE, IL, IN, MD, NC, NJ, OH, M, We WY
Enel X Herth America, Inc.	Dorar Hathevon (617) 692-2508 Starver Donaturs (617) 692-2443	DE, DE, IL, HD, NC, NJ, OH, IX, WA, HV
Energy Logic, Inc.	Carntyn Barko (508) 198-0513	DC, DE, IL, IN, MD, NC, NJ, OH, M, We WY
tnengy (assertum tric.	Carrie Reach (718) 677-9077	DE, DE, IL, IN, MD, NC, NJ, OH, IN, W, W2
Evergy lectrology Savings, LLC	Cruck Hashchmet (998) 517-3357	N.A. DA
Enerwise Global Technologies, Ira	Brock Campbell (202) 360-4371	0C, DE, IL, DC, MD, NC, SU, OH, M, M, WV
ENGE BOOLFOR, LLE	(713) 536-1771	IL, DH, MD, NJ, PA, DC, DE, WY, CT, MA, RL, NH, HE, TX
Gall Press	Jacdiatises (1991) (257) 238-4790	DC, DE, IL, IH, MD, NC, NJ, OH, IM, We, WY
Gentright, LLC	Jelliney 600- (339) 203-0564	DE. HD, DH, HJ, IN
Gerdau Ameridiani. Energy, Inc.	Devid Foresth (905) 665-3731	NJ
Glacial Grengy of New Jerung, Inc.	Michael Grany (340)-715-7053	NJ, IN, HD, B., DC, DE
Green Light Energy, LLC	torik Wagner philos 698-7036 Jack Petrick (484) 818-1923	DE, DE, IL, IN, MD, NC, NJ, OH, M, W, WV
harlac.com, Inc.	rife hard Websher (302) 477-1792	DC, DE, IL, IN, MD, NC, NJ, OH, IM, Ma, WY
Illinois Marittipal Electris Agency	Alice Schott (217) 789-4632	IL.
Independent Energy Exemplemia, Inc.	(828) 862 6000	DC, DE, IL, IH, MD, NC, HJ, DH, IM, We WY
Industrial Amergy Users - Office	Arey Tark (410) 105-2840	CHC PM, VA, WV, IL, NJ, DE





- **2.** quantify impact (\$)
- 3. recommend solution



Eoin Burke

Independent Consultant E-Quantum Consulting, LLC. m: 773-263-2426 o: 773-340-4004 e: <u>eburke@e-quantum.org</u>

w: www.e-quantum.org

"Honesty is the best policy" ~ Ben Franklin