STATE OF INDIANA

INDIANA UTILITY REGULATORY COMMISSION

VERIFIED PETITION OF INDIANA MICHIGAN POWER)	
COMPANY (I&M), AN INDIANA CORPORATION, FOR)	
APPROVAL OF A CLEAN ENERGY SOLAR PILOT PROJECT)	
(CESPP); FOR DECLINATION OF JURISDICTION OR)	
ISSUANCE OF A CERTIFICATE OF PUBLIC CONVENIENCE)	
AND NECESSITY FOR CESPP; FOR APPROVAL OF)	
ACCOUNTING AND RATEMAKING, INCLUDING TIMELY)	
RECOVERY OF COSTS INCURRED DURING)	CAUSE NO. 44511
CONSTRUCTION AND OPERATION OF CESPP THROUGH A)	
SOLAR POWER RIDER; FOR APPROVAL OF CESPP)	
DEPRECIATION PROPOSAL; FOR AUTHORITY TO DEFER)	
CESPP COSTS UNTIL SUCH COSTS ARE REFLECTED IN)	
THE SOLAR POWER RIDER OR OTHERWISE REFLECTED)	
IN I&M'S BASIC RATES AND CHARGES; AND FOR)	
APPROVAL OF A GREEN POWER RIDER.)	

INDUSTRIAL GROUP'S SUBMISSION OF DIRECT TESTIMONY AND EXHIBITS

The I&M Industrial Group, by counsel, hereby submits its Direct Testimony and Exhibits of Jeffry Pollock.

Respectfully submitted,

LEWIS & KAPPES, P.C.

/s/ Jennifer W. Terry

Jennifer W. Terry, Atty No. 21145-53-A

CERTIFICATE OF SERVICE

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Direct Testimony and Exhibits

of

JEFFRY POLLOCK

On Behalf of

I&M Industrial Group

September 17, 2014



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EXHIBIT LIST

Exhibit	Description
JP-1	Illustration of IG's Proposed Cap on Cost Recovery
JP-2	Utilities Having Voluntary Renewable Energy Tariffs
JP-3	Sales of Renewable Energy Under Voluntary Tariffs During Calendar Year 2013 For the Top 10 Utilities By Volume
JP-4	Estimated Revenues Under a Revised Green Energy Rider Including Both Wind and Solar RECs



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	•	

AFFIDAVIT OF JEFFRY POLLOCK

State of Missouri)	
Country of Ct. Lauria)	SS
County of St. Louis	1	

Jeffry Pollock, being first duly sworn, on his oath states:

- 1. My name is Jeffry Pollock. I am President of J. Pollock, Incorporated, 12647 Olive Blvd., Suite 585, St. Louis, Missouri 63141. We have been retained by the I&M Industrial Group to testify in this proceeding on their behalf.
- 2. Attached hereto and made a part hereof for all purposes is my Direct Testimony, Exhibits and Appendices A and B, which have been prepared in written form for introduction into evidence in Indiana Utility Regulatory Commission Cause No. 44511.
- 3. I hereby swear and affirm that my answers contained in the testimony are true and correct.





Jeffry Pollock Direct Page 4

Subscribed and sworn to before me this

day of September, 2014.

KITTY TURNER
Notary Public - Notary Seal
State of Missouri
Commissioned for Lincoln County
My Commission Expires: April 25, 2015
Commission Number: 11390610

Notary Public Commission #: 11390610

My Commission expires on

GLOSSARY OF ACRONYMS

Term	Definition
CESPP	Clean Energy Solar Pilot Project
CPCN	Certificate of Public Convenience and Necessity
GPR	Green Power Rider
I&M	Indiana Michigan Power Company
IG	I&M Industrial Group
IP	Industrial Power
ITC	Investment Tax Credit
IRP	Integrated Resource Plan
kW	Kilowatt
kWh	Kilowatt Hour
LCM	Life Cycle Management
LGS	Large General Service
MW	Megawatt
MWh	Megawatt Hour
PPA	Purchased Power Agreement
RFP	Request For Proposal
SPR	Solar Power Rider
SREC	Solar Renewable Energy Certificate



Direct Testimony of Jeffry Pollock

4	_	DI FACE CTATE VOLID NAME AND DUCINEGO ADDDEGO
1	(J	PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.

- 2 A Jeffry Pollock; 12647 Olive Blvd., Suite 585, St. Louis, MO 63141.
- 3 Q WHAT IS YOUR OCCUPATION AND BY WHOM ARE YOU EMPLOYED?
- 4 A I am an energy advisor and President of J. Pollock, Incorporated.
- 5 Q PLEASE STATE YOUR EDUCATIONAL BACKGROUND AND EXPERIENCE.
- I have a Bachelor of Science Degree in Electrical Engineering and a Masters in
 Business Administration from Washington University. Since graduation in 1975, I
 have been engaged in a variety of consulting assignments, including energy
 procurement and regulatory matters in both the United States and several Canadian
 provinces. More details are provided in **Appendix A** to this testimony. A partial list
 of my appearances is provided in **Appendix B** to this testimony.
- 12 Q ON WHOSE BEHALF ARE YOU TESTIFYING IN THIS PROCEEDING?
- I am testifying on behalf of the I&M Industrial Group (IG). IG members are customers of Indiana Michigan Power Company (I&M). They purchase substantial amounts of electricity and take service primarily under I&M's Industrial Power (IP) tariff.
- 17 Q WHAT IS THE PURPOSE OF YOUR TESTIMONY?
- 18 A I address I&M's proposed Clean Energy Solar Pilot Project (CESPP), the proposed
 19 Solar Power Rider (SPR), and the proposed Green Power Rider (GPR).



1 Q ARE YOU SPONSORING ANY EXHIBITS WITH YOUR TESTIMONY?

2 Α Yes. I am sponsoring Exhibits JP-1 through JP-4. These exhibits were prepared

either by me or under my direction and supervision. 3

4 **Clean Energy Solar Pilot Project**

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Q WHAT IS I&M SEEKING IN THIS PROCEEDING?

6 Α I&M is seeking Commission approval of the CESPP. However, because the CESPP 7 is a relatively small renewable energy pilot, I&M is seeking an exemption from the 8 Powerplant Construction Act (IC 8-1-8.5). I&M asserts that such an exemption is permitted by the alternative utility regulation statute (IC 8-1-2.5-5). In the alternative, 10 I&M requests that the Commission grant a Certificate of Public Convenience and Necessity (CPCN) for the CESPP. As discussed later, there is tension between 12 I&M's request under the Alternative Utility Regulation statute and the proposed SPR.

13 Q WHAT IS THE PROPOSED CLEAN ENERGY SOLAR PILOT PROJECT?

14 The CESPP would consist of five separate facilities. These are listed in the table Α below. Although the site of the fifth facility has not yet been determined, I&M 15 represents that the other four projects would be located on sites owned by I&M.² 16



Verified Pre-Filed Testimony of Paul Chodak III at 5.

² I&M's Response to IG 3-01.

	ed Solar Pilot Siting Summary	
Facility #	Name	Capacity (MW)
1	Watervleit	4.6
2	Olive	5.0
3	Deer Creek	2.5
4	Twin Branch	2.6
5	TBD	1.0
Source: Exhibit JAK-1.		

1 Q WHEN WOULD THE PROPOSED FACILITIES COMMENCE OPERATION?

2 A I&M states that the Twin Branch and Deer Creek facilities would commence 3 operation by the end of calendar year 2015. The remaining facilities would 4 commence operation by November 2016.³

5 Q HOW MUCH ELECTRICITY WOULD THE SOLAR PROJECTS GENERATE?

6 A I&M projects that the five facilities would provide 15.7 megawatts (MW) of nameplate
7 capacity, and the facilities would generate approximately 26,585 MW hours (MWh)
8 per year. This equates to a 19.3% annual capacity factor.⁴

9 Q WHEN WOULD THE PROPOSED SOLAR FACILITIES GENERATE

10 **ELECTRICITY?**

- 11 A Most of this electricity would be generated between the hours of 8 a.m. and 7 p.m.
- during the summer months, and from 10 a.m. to 5 p.m. during the non-summer

⁴ I&M's Response to IG 3-06(c) Attachment 7.



³ I&M's Response to IG 3-06.

months. These periods roughly correspond to Peak hours as defined by PJM.⁵ 1 2 Q HOW MUCH OF THE 15.7 MW NAMEPLATE CAPACITY WOULD BE COUNTED 3 AS INSTALLED CAPACITY BY PJM? Because solar energy facilities are capable of producing electricity only during 4 Α daytime hours, and then only when the sun is shining, PJM recognizes about 38% of 5 6 the nameplate capacity as actual installed capacity. Thus, the proposed CESPP 7 would provide about 6 MW of installed capacity. 8 Q WHAT IS THE ESTIMATED COST OF THE PROPOSED CLEAN ENERGY SOLAR 9 PILOT PROJECT FACILITIES? 10 Α I&M is estimating capital costs of \$38 million. In addition, it projects annual operating 11 expenses of \$1.9 million per year net of the investment tax credit (ITC), including 12 other taxes. I&M is also proposing to earn a regulatory return on CESPP investment. 13 This would result in a total annual revenue requirement of about \$5.4 million, of 14 which the Indiana retail portion is estimated to be \$3.5 million.⁶ 15 Q IS THIS I&M'S BEST AND FINAL ESTIMATE OF THE COST OF THE PROPOSED 16 **CLEAN ENERGY SOLAR PILOT PROJECT?** 17 Α No. The \$38 million estimated investment is merely indicative. I&M says it will issue 18 a Request For Proposal (RFP) in November. It expects that the results of the RFP will be available in the first quarter of 2015.7 Therefore, for now, the total all-in cost 19



⁵ PJM Manual 11 at 49: On-Peak hours 0500-2359.

⁶ Pre-Filed Verified Testimony of Christopher M. Halsey at Exhibit CMH-1.

⁷ I&M's Response to IG 3-07.

1 of the proposed CESPP is unknown.

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2 Q WHAT WOULD BE THE IMPACT OF THE PROPOSED CLEAN ENERGY SOLAR 3 PILOT PROJECT ON I&M'S RATES?

The proposed CESPP would put upward pressure on rates. This is because the proposed CESPP would generate electricity at an average cost of 20.2¢ per kilowatt hour (kWh).⁸ This is substantially above I&M's projected avoided cost, as shown in the table below.

	Avoided Cos (¢ per kWh)	
Year	On-Peak	Off-Peak
2016	5.59	3.41
2017	5.83	3.74
2018	5.90	3.84
2019	5.97	3.92
2020	6.15	4.08
Source: 20	13 Integrated Reso	ource Plan at 206.

As can be seen, the projected cost per kWh of the proposed CESPP would exceed three times I&M's projected on-peak avoided cost.

10 Q IF THE RFP REVEALS THAT THE COST OF THE CLEAN ENERGY SOLAR
11 PILOT PROJECT IS HIGHER THAN \$38 MILLION, SHOULD THE COMPANY BE
12 ALLOWED TO USE THE HIGHER COST IN APPLYING THE PROPOSED SOLAR
13 POWER RIDER?

14 A No. First, at a cost of \$38 million, the proposed CESPP is uneconomical and would

⁸ \$5.363 million annual revenue requirement ÷ 26,585 MWh = 20.2¢ per kWh.



1		put upward pressure on I&M's rates. Second, allowing I&M to use a higher cost
2		estimate would not be consistent with prior Commission orders. Specifically, the
3		Commission has rejected utility requests to increase its cost estimates in future
4		tracker proceedings.9
5	Q	IF IT IS SO EXPENSIVE, WHY IS I&M COMMITTED TO THE CLEAN ENERGY
6		SOLAR PILOT PROJECT?
7	Α	I&M witness, Mr. Chodak, states that:
8 9 10 11 12 13 14		The CESPP will provide I&M an opportunity to gain valuable experience in the design and construction of utility-scale solar projects. In addition, the CESPP will enable I&M to become proficient in operating solar generation and integrating it reliably into the PJM Interconnection, LLC (PJM) transmission grid. This knowledge would be of use to I&M and its customers as I&M moves toward adding utility-scale solar in the coming years. ¹⁰
15		I&M also cites the following additional benefits:
16 17		 Experience gained from the engineering, procurement and construction (EPC) process of utility-scale solar facilities;
18 19 20		 Generation forecasting, scheduling and operations experience gained by operating the solar generation facilities in the PJM competitive wholesale market;
21 22		 Operational insight into how utility scale solar facilities will impact the I&M transmission and distribution systems;
23 24 25		 Technical evaluation of different inverter and solar panel manufacturers and technology with respect to reliability and performance.¹¹

¹¹ Pre-Filed Verified Testimony of Joseph A. Karrasch at 4-5.



 $^{^{9}\,}$ For example, see In re IPL, Cause No. 44242 (IURC 08/14/2013) and In re I&M, Cause No. 44182 (IURC 07/17/2013).

¹⁰ Verified Pre-Filed Testimony of Paul Chodak III at 7.

1	Q	PRIOR TO THE PROPOSED CLEAN ENERGY SOLAR PILOT PROJECT WAS
2		I&M PLANNING TO ADD UTILITY-SCALE SOLAR GENERATION TO ITS
3		SYSTEM IN 2015 AND 2016?
4	Α	No. However, I&M's 2013 Integrated Resource Plan (IRP) showed the addition of 50
5		MW (nameplate) of solar capacity per year beginning in 2020. 12
6	Q	DOES I&M CITE ANOTHER BENEFIT OF THE PROPOSED CLEAN ENERGY
7		SOLAR PILOT PROJECT?
8	Α	Yes. I&M asserts that the CESPP would allow it to be in a better position to more
9		effectively execute the solar installations contemplated by the IRP. ¹³
10	Q	DO ANY OTHER AEP OPERATING COMPANIES CURRENTLY OWN ANY
10 11	Q	DO ANY OTHER AEP OPERATING COMPANIES CURRENTLY OWN ANY UTILITY-SCALE SOLAR FACILITIES?
	Q A	
11		UTILITY-SCALE SOLAR FACILITIES?
11 12	A	UTILITY-SCALE SOLAR FACILITIES? No. ¹⁴
11 12 13	A	UTILITY-SCALE SOLAR FACILITIES? No. ¹⁴ IS I&M THE ONLY BENEFICIARY OF THE PROPOSED CLEAN ENERGY SOLAR
11 12 13 14	A Q	UTILITY-SCALE SOLAR FACILITIES? No. ¹⁴ IS I&M THE ONLY BENEFICIARY OF THE PROPOSED CLEAN ENERGY SOLAR PILOT PROJECT?
11 12 13 14 15	A Q	UTILITY-SCALE SOLAR FACILITIES? No. ¹⁴ IS I&M THE ONLY BENEFICIARY OF THE PROPOSED CLEAN ENERGY SOLAR PILOT PROJECT? No. The experience that I&M will gain from the proposed CESPP will also benefit



¹² Integrated Resource Planning Report to the Indiana Utility Regulatory Commission, November 1 2013, at ES-6.

¹³ I&M's Response to IG 2-12.

¹⁴ I&M's Response to IG 3-08.

1	Q	YOU PREVIOUSLY STATED THAT THERE IS TENSION BETWEEN I&M'S
2		REQUEST TO BE EXEMPT FROM OBTAINING A CPCN AND ITS COST
3		RECOVERY PROPOSAL UNDER THE SOLAR POWER RIDER. PLEASE
4		EXPLAIN.
5	Α	As previously discussed, I&M is seeking to recover in the SPR the costs of the

As previously discussed, I&M is seeking to recover in the SPR the costs of the CESPP, including a full regulatory return on investment based on IC 8-1-8.8-11. IC 8-1-8.8-11(b) states that a utility is not relieved of the duty to obtain any certificate required under IC 8-1-8.5.

The tension is that I&M is proposing to circumvent the process used for approving new generation but receive the benefit of actually having gone through the process. If I&M seeks to deviate from the required ratemaking process, then the Commission should not be bound to approve the proposed SPR tracker. However, if the SPR is approved, the Commission should ensure that customers are protected from any cost overruns.

Solar Power Rider

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16 Q HAVE YOU REVIEWED I&M'S PROPOSED SOLAR POWER RIDER?

17 A Yes. The proposed SPR would allow I&M full recovery of the proposed CESPP

18 costs. If approved, the proposed SPR would be I&M's ninth tracker. The other eight

19 trackers are listed in the table below.



Applicable Surcharge and Rider	Sheet No.
Fuel Cost Adjustment Rider	35
Capacity Settlement Rider	36
Clean Coal Technology Rider	37
Demand-Side Management / Energy Efficiency Program Cost Rider	38
Environmental Compliance Cost Rider	39
Off-System Sales Margin Sharing Rider	40
PJM Cost Rider	41
Life Cycle Management Rider	42
Source: I.U.R.C. NO. 16 ORIGINAL SHEET NO. 2.5 AND FIRST REVISED	SHEET NO. 2.6

Q HOW IS I&M PROPOSING TO CALCULATE THE REVENUE REQUIREMENT ASSOCIATED WITH THE PROPOSED CLEAN ENERGY SOLAR PILOT

PROJECT?

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As previously stated, I&M is proposing to apply traditional regulatory principles to calculate a return on, a return of (i.e. depreciation) and associated operating expenses and taxes net of the ITC amortization. In addition, I&M is proposing to offset the revenue requirement from any revenues derived under its proposed GPR. However, in estimating the Indiana retail revenue requirement of \$3.5 million, I&M assumed no offsetting revenues from the GPR. As discussed later, prior to implementing the proposed SPR, the Commission should structure the GPR to work with the SPR to limit customers' exposure to costs from the CESPP.

12 Q HOW IS THE PROPOSED SOLAR POWER RIDER DESIGNED?

13 Α I&M is proposing to allocate the net revenue requirement using the same demand



1 allocation method adopted for production plant-related costs in its last rate case. 15 2 This is the same approach that I&M is currently using in its Life Cycle Management 3 (LCM) Rider. The costs allocated to each class would be collected on a kWh basis. SHOULD THE PROPOSED SOLAR POWER RIDER BE APPROVED AS FILED? 4 Q 5 Α Although I agree with I&M's proposed cost allocation methodology, three 6 changes should be made to the proposed SPR. First, the formula for calculating the 7 CESPP costs should explicitly include the GPR revenues as an offset. This is not shown in the SPR tariff as presented in Exhibit CMH-2. 8 9 Second, the costs allocated to the Large General Service (LGS) and IP 10 customer classes should be collected on a demand basis. This would be consistent 11 with cost-causation because the CESPP costs are being allocated to customer 12 classes on a demand basis, and rate design is a continuation of the cost allocation 13 process. It would also not be unprecedented. I&M's Capacity Settlement Rider also 14 recovers costs from the LGS and IP classes through demand charges. 15 Third, cost recovery should be subject to a cap based on avoided cost. This 16 would be consistent with the fact that I&M is seeking approval for the proposed 17 CESPP under the Alternative Utility Regulation statute. 18 Q PLEASE EXPLAIN IN MORE DETAIL YOUR PROPOSAL TO CAP I&M'S COST

RECOVERY AT AVOIDED COST.

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As stated earlier, this is a pilot program sought by I&M for reasons primarily other

than a timely need for new generation. The CESPP is years before it is called for in

¹⁵ I&M's Response to IG 2-15.

I&M's IRP. The pilot project will cost, on a kWh basis, much more than I&M's avoided costs. I&M has not presented valid justification for requiring ratepayers to pay multiples above its avoided cost so that I&M may undertake the proposed pilot project. Imposing a cap on the proposed SPR would also provide I&M an incentive to properly manage the construction and operating costs of the CESPP and to also maximize the revenues to be collected through the GPR. A cost cap is also consistent with the fact that the pilot project will clearly benefit not only I&M, but also the other AEP affiliated companies that have not yet invested in utility-scale solar generation. Finally, I&M's recovery net of the GPR revenues would be capped at avoided cost.

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HAVE YOU PREPARED AN EXAMPLE OF HOW A COST CAP WOULD WORK?

Yes. **Exhibit JP-1** illustrates how a cost cap would work. Page 1 shows the application of the cost cap. Page 2 shows the estimated CESPP generation profile; that is, the percent of CESPP output by month by hour. The illustration assumes that:

- The GPR generates \$1.5 million in revenue on an annual basis.
- The annual all-in solar cost is \$3.4 million (20.2¢ per kWh).
- The weighted average avoided cost during the hours that the solar projects generated electricity is 10¢ per kWh.

The cap would be applied over a twelve month period. As can be seen, based on these assumptions, the amount charged in the SPR would be capped at \$1.7 million.



1 Q HOW WOULD THE WEIGHTED AVERAGE AVOIDED COST BE CALCULATED?

The weighted average market price would be the sum of the product of I&M's hourly avoided cost and the percent of the hourly net CESPP output. **Exhibit JP-1**, page 2 shows the consolidated generation profile of the Twin Branch and Waltervleit projects. These estimated profiles were provided to I&M by two of the contractors that had quoted indicative prices. As can be seen, the net CESPP output is not constant throughout the day. For example, in July, 1.55% of the annual CESPP output would occur from 12 noon to 1 PM, but only 0.56% of the output would occur from 5 PM to 6 PM. Thus, applying the hourly avoided cost to the CESPP hourly generation profile would provide more a transparent way to calculate the costs avoided by the CESPP.

12 Q SHOULD A COST CAP APPLY EVEN IF THE COMMISSION WERE TO GRANT A 13 CPCN FOR THE PROPOSED CLEAN ENERGY SOLAR PILOT PROJECT?

14 A Yes. The same reasons discussed above would equally apply if a CPCN is issued.
15 Thus, it would not be unreasonable (or unprecedented) for other AEP companies
16 that will benefit from I&M experiences to defray a portion of the cost.

Green Power Rider

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Q HAVE YOU REVIEWED I&M'S PROPOSED GREEN POWER RIDER?

A Yes. The proposed GPR is a voluntary rider that would allow customers to purchase renewable energy credits from the Company's own solar projects. I&M is proposing to limit the participation to 90% of its Indiana jurisdictional share of projected Solar

¹⁶ The profiles were provided in I&M's Response to IG 3-06c.



1 Renewable Energy Certificates (SRECs). Customers could purchase SRECs in 50 2 kW blocks. These purchases would be subject to a premium price over and above 3 the otherwise applicable tariff rates. I&M is proposing to update the price annually 4 based on the corresponding vintage of Pennsylvania Solar REC prices as published 5 by SNL Energy in its Power Daily Newsletter RECs Index. 6 Q DO YOU HAVE ANY CONCERNS ABOUT THE PROPOSED GREEN POWER 7 RIDER? 8 Α Yes. First, I am concerned that the proposed GPR is too limited because it would 9 only apply to voluntary purchases of SRECs generated by the proposed CESPP. 10 However, I&M currently purchases 250 MW of wind under long-term purchased 11 power agreements (PPAs). By the end of 2014, I&M will be purchasing an additional 200 MW of wind. The wind PPAs are currently generating RECs, which I&M is 12 13 banking (except for the RECs it sells in the market). These banked wind RECs can 14 be used to support the sale of wind energy in the proposed GPR. 15 Q WHY ELSE SHOULD THE PROPOSED GREEN POWER RIDER BE EXPANDED

17 A Including wind would allow I&M to begin now to aggressively market the GPR to 18 customers. Further, wind RECs are less expensive than SRECs. Thus, the price 19 premium in the GPR could make renewable energy more affordable to customers.

TO ALLOW FOR VOLUNTARY PURCHASES OF WIND ENERGY?

21 offset the SPR costs.

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This would help I&M to develop a significant revenue stream that could be used to



¹⁷ Integrated Resource Planning Report to the Indiana Utility Regulatory Commission, November 1 2013, at ES-6.

1 Q DO OTHER UTILITIES ALLOW CUSTOMERS TO VOLUNTARILY PURCHASE 2 **BOTH SOLAR AND OTHER TYPES OF RENEWABLE ENERGY?** Α Voluntary purchases of various types of renewable energy is not 3 Yes. 4 unprecedented. Many utilities around the country, including Duke, NIPSCO and Indianapolis Power & Light (and other Indiana utilities), have implemented tariffs that 5 6 allow customers to voluntarily purchase various types of renewable energy. A list of 7 these utilities is provided in **Exhibit JP-2**. 8 Q HOW MUCH ADDITIONAL REVENUE SHOULD I&M PROJECT FROM SALES 9 **UNDER ITS PROPOSED GREEN POWER RIDER?** 10 Α The revenues that would be generated in the proposed GPR will depend upon the 11 amount of renewable energy that I&M can sell. Exhibit JP-3 lists the top ten utilities 12 in the country of renewable energy sales to retail customers by volume. Column 3 13 measures the penetration rate; that is the percent of renewable energy sales to total 14 retail sales for each utility. As can be seen, the penetration rates range from 0.1% to 15 over 6%, with an average of 2%. 16 Assuming that I&M's GPR could attract between 0.5% and 2% of its retail 17 sales, and further assuming price premiums ranging from 0.5¢ to 2.0¢ per kWh 18 (which is consistent with the premiums in the renewable energy tariff program shown 19 in Exhibit JP-2), I&M could generate between \$304,000 to \$4.9 million per year in 20 revenues just in Indiana. This calculation is shown in **Exhibit JP-4**. 21 Therefore, the GPR could offset between 9% to over 100% of the projected 22 CESPP costs.



1 Q ARE YOU AWARE OF ANY CONDITIONS ON I&M'S USE OF WIND RECS?

Yes. The Commission has made findings that direct how wind RECs are to be treated for ratemaking and regulatory accounting purposes. However, until the GPR has been implemented, it is unclear that the commitments made in these prior Commission Orders would materially affect the supply of wind RECs available to support the GPR. Accordingly, I&M should notify the Commission if it projects that the amount of available wind RECs is not sufficient to support the demand under the GPR. The Commission can then determine whether it is in the best interests of Indiana retail customers to modify the terms of its prior orders, thereby making more wind RECs available, or authorize I&M to purchase RECs in the market to support the GPR.

12 Q WHAT CHANGES ARE YOU RECOMMENDING TO THE PROPOSED GREEN

POWER RIDER?

First, the GPR should be expanded to include wind. Second, the Commission's approval of the SPR should be contingent on I&M committing to aggressively market renewable energy to provide a known and reasonably predictable revenue stream to offset a portion, or all, of the projected CESPP costs.

18 Q DOES THIS CONCLUDE YOUR TESTIMONY?

19 A Yes.

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APPENDIX A

Qualifications of Jeffry Pollock

1	Q	PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.
2	Α	Jeffry Pollock. My business mailing address is 12647 Olive Blvd., Suite 585, St.
3		Louis, Missouri 63141.
4	Q	WHAT IS YOUR OCCUPATION AND BY WHOM ARE YOU EMPLOYED?
5	Α	I am an energy advisor and President of J. Pollock, Incorporated.
6	Q	PLEASE STATE YOUR EDUCATIONAL BACKGROUND AND EXPERIENCE.
7	Α	I have a Bachelor of Science Degree in Electrical Engineering and a Masters in
8		Business Administration from Washington University. I have also completed a Utility
9		Finance and Accounting course.
10		Upon graduation in June 1975, I joined Drazen-Brubaker & Associates, Inc.
11		(DBA). DBA was incorporated in 1972 assuming the utility rate and economic
12		consulting activities of Drazen Associates, Inc., active since 1937. From April 1995
13		to November 2004, I was a managing principal at Brubaker & Associates (BAI).
14		During my tenure at both DBA and BAI, I have been engaged in a wide range
15		of consulting assignments including energy and regulatory matters in both the United
16		States and several Canadian provinces. This includes preparing financial and
17		economic studies of investor-owned, cooperative and municipal utilities on revenue
18		requirements, cost of service and rate design, and conducting site evaluation.
19		Recent engagements have included advising clients on electric restructuring issues,
20		assisting clients to procure and manage electricity in both competitive and regulated



markets, developing and issuing requests for proposals (RFPs), evaluating RFP responses and contract negotiation. I was also responsible for developing and presenting seminars on electricity issues.

I have worked on various projects in over 20 states and several Canadian provinces, and have testified before the Federal Energy Regulatory Commission and the state regulatory Commissions of Alabama, Arizona, Colorado, Delaware, Florida, Georgia, Illinois, Indiana, Iowa, Kansas, Louisiana, Minnesota, Mississippi, Missouri, Montana, New Jersey, New Mexico, Ohio, Pennsylvania, Texas, Virginia, Washington, and Wyoming. I have also appeared before the City of Austin Electric Utility Commission, the Board of Public Utilities of Kansas City, Kansas, the Bonneville Power Administration, Travis County (Texas) District Court, and the U.S. Federal District Court. A partial list of my appearances is provided in **Appendix B**.

PLEASE DESCRIBE J. POLLOCK, INCORPORATED.

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J.Pollock assists clients to procure and manage energy in both regulated and competitive markets. The J.Pollock team also advises clients on energy and regulatory issues. Our clients include commercial, industrial and institutional energy consumers. J.Pollock is a registered Class I aggregator in the State of Texas.



PROJECT	UTILITY	ON BEHALF OF	DOCKET	TYPE	REGULATORY JURISDICTION	SUBJECT	DATE
140201	VARIOUS UTILITIES	Florida Industrial Power Users Group	140002-EI	Direct	FL	Energy Efficiency Cost Recovery Opt- Out Provision	9/5/2014
140401	ROCKY MOUNTAIN POWER	Wyoming Industrial Energy Consumers	20000-446-ER14	Cross	WY	Class Cost-of-Service Study; Rule 12 Line Extension	9/5/2014
131002	NORTHERN STATES POWER COMPANY	Xcel Large Industrials	E-002/GR-13-868	Surrebuttal	MN	Nuclear Depreciation Expense, Monticello EPU/LCM Project, Class Cost-of-Service Study, Class Revenue Allocation, Fuel Clause Rider Reform, Rate Design	8/4/2014
140401	ROCKY MOUNTAIN POWER	Wyoming Industrial Energy Consumers	20000-446-ER14	Direct	WY	Class Cost-of-Service Study, Rule 12 Line Extension	7/25/2014
140601	DUKE ENERGY FLORIDA	NRG Florida, LP	140111 and 140110	Direct	FL	Cost-Effectiveness of Proposed Self Build Generating Projects	7/14/2014
131002	NORTHERN STATES POWER COMPANY	Xcel Large Industrials	E-002/GR-13-868	Rebuttal	MN	Class Cost-of-Service Study, Class Revenue Allocation	7/7/2014
140303	PPL ELECTRIC UTILITIES CORPORATION	PP&L Industrial Customer Alliance	2013-2398440	Rebuttal	PA	Energy Efficiency Cost Recovery	7/1/2014
131002	NORTHERN STATES POWER COMPANY	Xcel Large Industrials	E-002/GR-13-868	Direct	MN	Revenue Requirements, Fuel Clause Rider, Class Cost-of-Service Study, Rate Design and Revenue Allocation	6/5/2014
140303	PPL ELECTRIC UTILITIES CORPORATION	PP&L Industrial Customer Alliance	2013-2398440	Direct	PA	Energy Efficiency Cost Recovery	5/23/2014
140105	SOUTHWESTERN PUBLIC SERVICE COMPANY	Texas Industrial Energy Consumers	42042	Direct	TX	Transmission Cost Recovery Factor	4/24/2014
130901	ENTERGY TEXAS, INC.	Texas Industrial Energy Consumers	41791	Cross	TX	Class Cost-of-Service Study and Rate	1/31/2014
130901	ENTERGY TEXAS, INC.	Texas Industrial Energy Consumers	41791	Direct	тх	Revenue Requirements, Fuel Reconciliation; Cost Allocation Issues: Rate Design Issues	1/10/2014
131005	DUQUESNE LIGHT COMPANY	Duquesne Industrial Intervenors	R-2013-2372129	Supplemental Surrebuttal	PA	Class Cost-of-Sevice Study	12/13/2013
131005	DUQUESNE LIGHT COMPANY	Duquesne Industrial Intervenors	R-2013-2372129	Surrebuttal	PA	Class Cost-of-Service Study; Cash Working Capital; Miscellaneous General Expense; Uncollectable Expense; Class Revenue Allocation	12/9/2013
131005	DUQUESNE LIGHT COMPANY	Duquesne Industrial Intervenors	R-2013-2372129	Rebuttal	PA	Rate L Transmission Service; Class Revenue Allocation	11/26/2013
130905	ENTERGY TEXAS, INC. ITC HOLDINGS CORP.	Texas Industrial Energy Consumers	41850	Direct	TX	Rate Mitigation Plan; Conditions re Transfer of Control of Ownership	11/6/2013
130501	MIDAMERICAN ENERGY COMPANY	Deere & Company	RPU-2013-0004	Surrebuttal	IA	Class Cost-of-Service Study; Class Revenue Allocation; Depreciation Surplus	11/4/2013
130602	SHARYLAND UTILITIES	Texas Inustrial Energy Consumers and Atlas Pipeline Mid-Continent WestTex, LLC	41474	Cross-Rebuttal	TX	Customer Class Definitions; Class Revenue Allocation; Allocation of TTC costs	11/4/2013
131005	DUQUESNE LIGHT COMPANY	Duquesne Industrial Intervenors	R-2013-2372129	Direct	PA	Class Cost-of-Service, Class Revenue Allocations	11/1/2013



PROJECT	UTILITY	ON BEHALF OF	DOCKET	TYPE	REGULATORY JURISDICTION	SUBJECT	DATE
130906	PUBLIC SERVICE ENERGY AND GAS	New Jersey Large Energy Users Coalition	EO13020155 and GO13020156	Direct	NJ	Energy Strong	10/28/2013
130602	SHARYLAND UTILITIES	Texas Inustrial Energy Consumers and Atlas Pipeline Mid-Continent WestTex, LLC	41474	Direct	TX	Regulatory Asset Cost Recovery; Class Cost-of-Service Study, Class Revenue Allocation, Rate Design	10/18/2013
130903	GEORGIA POWER COMPANY	Georgia Industrial Group and Georgia Association of Manufacturers	36989	Direct	GA	Depreciation Expense, Alternate Rate Plan, Return on Equity, Class Cost-of- Service Study, Class Revenue Allocation, Rate Design	
130501	MIDAMERICAN ENERGY COMPANY	Deere & Company	RPU-2013-0004	Rebutal	IA	Class Cost-of-Service Study	10/1/2013
130902	FLORIDA POWER AND LIGHT COMPANY	Florida Industrial Power Users Group	130007	Direct	FL	Environmental Cost Recovery Clause	9/13/2013
130501	MIDAMERICAN ENERGY COMPANY	Deere & Company	RPU-2013-0004	Direct	IA	Class Cost-of-Service Study, Class Revenue Allocation, Depreciation, Cost Recovery Clauses, Revenue Sharing, Revenue True-up	9/10/2013
130202	SOUTHWESTERN PUBLIC SERVICE COMPANY	Occidental Permian Ltd.	12-00350-UT	Rebuttal	NM	RPS Cost Rider	9/9/2013
130701	WESTAR ENERGY INC. and KANSAS GAS & ELECTRIC CO.	Occidental Chemical Corporation	13-WSEE-629-RTS	Cross-Answering	KS	Cost Allocation Methodology	9/5/2013
130202	SOUTHWESTERN PUBLIC SERVICE COMPANY	Occidental Permian Ltd.	12-00350-UT	Direct	NM	Class Cost-of-Service Study	8/22/2013
130701	WESTAR ENERGY INC. and KANSAS GAS & ELECTRIC CO.	Occidental Chemical Corporation	13-WSEE-629-RTS	Direct	KS	Class Revenue Allocation.	8/21/2013
130203	ENTERGY TEXAS, INC.	Texas Industrial Energy Consumers	41437	Direct	TX	Avoided Cost; Standby Rate Design	8/14/2013
100902	MID-KANSAS ELECTRIC COMPANY, LLC	Western Kansas Industrial Electric Consumers	13-MKEE-699	Direct	KS	Class Revenue Allocation	8/12/2013
100902	MID-KANSAS ELECTRIC COMPANY, LLC	Western Kansas Industrial Electric Consumers	13-MKEE-447	Supplemental	KS	Testimony in Support of Settlement	8/9/2013
100902	MID-KANSAS ELECTRIC COMPANY, LLC	Western Kansas Industrial Electric Consumers	13-MKEE-447	Supplemental	KS	Modification Agreement	7/24/2013
130201	TAMPA ELECTRIC COMPANY	Florida Industrial Power Users Group	130040	Direct	FL	GSD-IS Consolidation, GSD and IS Rate Design, Class Cost-of-Service Study, Planned Outage Expense, Storm Damage Expense	7/15/2013
100902	MID-KANSAS ELECTRIC COMPANY, LLC	Western Kansas Industrial Electric Consumers	13-MKEE-452	Supplemental	KS	Testimony in Support of Nonunanimous Settlement	6/28/2013
121203	JERSEY CENTRAL POWER & LIGHT COMPANY	Gerdau Ameristeel Sayreville, Inc.	ER12111052	Direct	NJ	Cost of Service Study for GT-230 KV Customers; AREP Rider	6/14/2013
100902	MID-KANSAS ELECTRIC COMPANY, LLC	Western Kansas Industrial Electric Consumers	13-MKEE-447	Direct	KS	Wholesale Requirements Agreement; Process for Excemption From Regulation; Conditions Required for Public Interest Finding on CCN spin- down	
100902	MID-KANSAS ELECTRIC COMPANY, LLC	Western Kansas Industrial Electric Consumers	13-MKEE-452	Cross	KS	Formula Rate Plan for Distribution Utility	5/10/2013
100902	MID-KANSAS ELECTRIC COMPANY, LLC	Western Kansas Industrial Electric Consumers	13-MKEE-452	Direct	KS	Formula Rate Plan for Distribution Utility	5/3/2013



PROJECT	UTILITY	ON BEHALF OF	DOCKET	TYPE	REGULATORY JURISDICTION	SUBJECT	DATE
121001	ENTERGY TEXAS, INC. ITC HOLDINGS CORP.	Texas Industrial Energy Consumers	41223	Direct	TX	Public Interest of Proposed Divestiture of ETI's Transmission Business to an ITC Holdings	4/30/2013
121101	NORTHERN STATES POWER COMPANY	Xcel Large Industrials	12-961	Surrebuttal	MN	Depreciation; Used and Useful; Cost Allocation; Revenue Allocation	4/12/2013
121101	NORTHERN STATES POWER COMPANY	Xcel Large Industrials	12-961	Rebuttal	MN	Class Revenue Allocation.	3/25/2013
121101	NORTHERN STATES POWER COMPANY	Xcel Large Industrials	12-961	Direct	MN	Depreciation; Used and Useful; Property Tax; Cost Allocation; Revenue Allocation; Competitive Rate & Property Tax Riders	2/28/2013
91203	ENTERGY TEXAS, INC.	Texas Industrial Energy Consumers	38951	Second Supplemental Rebuttal	TX	Competitive Generation Service Tariff	2/1/2013
91203	ENTERGY TEXAS, INC.	Texas Industrial Energy Consumers	38951	Second Supplemental Direct	TX	Competitive Generation Service Tariff	1/11/2013
110202	SOUTHWESTERN ELECTRIC POWER COMPANY	Texas Industrial Energy Consumers	40443	Cross Rebuttal	TX	Cost Allocation and Rate Design	1/10/2013
110202	SOUTHWESTERN ELECTRIC POWER COMPANY	Texas Industrial Energy Consumers	40443	Direct	TX	Application of the Turk Plant Cost- Cap; Revenue Requirements; Class Cost-of-Service Study; Class Revenue Allocation; Industrial Rate	12/10/2012
120301	FLORIDA POWER AND LIGHT COMPANY	Florida Industrial Power Users Group	120015	Corrected Supplemental Rebuttal	FL	Support for Non-Unanimous Settlement	11/13/2012
120301	FLORIDA POWER AND LIGHT COMPANY	Florida Industrial Power Users Group	120015	Corrected Supplemental Direct	FL	Support for Non-Unanimous Settlement	11/13/2012
120602	NIAGARA MOHAWK POWER CORP.	Multiple Intervenors	12-E-0201/12-G-0202	Rebuttal	NY	Electric and Gas Class Cost-of- Service Studies.	9/25/2012
120602	NIAGARA MOHAWK POWER CORP.	Multiple Intervenors	12-E-0201/12-G-0202	Direct	NY	Electric and Gas Class Cost-of- Service Study; Revenue Allocation; Rate Design; Historic Demand	8/31/2012
100902	MID-KANSAS ELECTRIC COMPANY, LLC	Western Kansas Industrial Electric Consumers	12-MKEE-650-TAR	Direct	KS	Transmission Formula Rate Plan	7/31/2012
120502	WESTAR ENERGY INC. and KANSAS GAS & ELECTRIC CO.	Occidental Chemical Corporation	12-WSEE-651-TAR	Direct	KS	TDC Tariff	7/30/2012
120301	FLORIDA POWER AND LIGHT COMPANY	Florida Industrial Power Users Group	120015	Direct	FL	Class Cost-of-Service Study, Revenue Allocation, and Rate Design	7/2/2012
120101	LONE STAR TRANSMISSION, LLC	Texas Industrial Energy Consumers	40020	Direct	TX	Revenue Requirement, Rider AVT	6/21/2012
111102	ENTERGY TEXAS, INC.	Texas Industrial Energy Consumers	39896	Cross	TX	Class Cost-of-Service Study, Revenue Allocation, and Rate Design	4/13/2012
111102	ENTERGY TEXAS, INC.	Texas Industrial Energy Consumers	39896	Direct	TX	Revenue Requirements, Class Cost- of-Service Study, Revenue Allocation, and Rate Design	3/27/2012
91023	ENTERGY TEXAS, INC.	Texas Industrial Energy Consumers	38951	Supplemental Rebuttal	TX	Competitive Generation Service	2/24/2012
91203	ENTERGY TEXAS, INC.	Texas Industrial Energy Consumers	38951	Supplemental Direct	TX	Competitive Generation Service	2/10/2012
101101	AEP TEXAS CENTRAL COMPANY	Texas Industrial Energy Consumers	39722	Direct	TX	Carrying Charge Rate Applicable to the Additional True-Up Balance and Tax Balances.	11/4/2011
110703	GULF POWER COMPANY	Florida Industrial Power Users Group	110138-EI	Direct	FL	Cost Allocation and Storm Reserve	10/14/2011



PROJECT	UTILITY	ON BEHALF OF	DOCKET	TYPE	REGULATORY JURISDICTION	SUBJECT	DATE
90404	CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC	Texas Industrial Energy Consumers	39504	Direct	TX	Carrying Charge Rate Applicable to the Additional True-Up Balance and Taxes	9/12/2011
101101	AEP TEXAS NORTH COMPANY	Texas Industrial Energy Consumers	39361	Cross-Rebuttal	TX	Energy Efficiency Cost Recovery Factor	8/10/2011
101101	AEP TEXAS CENTRAL COMPANY	Texas Industrial Energy Consumers	39360	Cross-Rebuttal	TX	Energy Efficiency Cost Recovery Factor	8/10/2011
100503	ONCOR ELECTRIC DELIVERY COMPANY, LLC	Texas Industrial Energy Consumers	39375	Direct	TX	Energy Efficiency Cost Recovery Factor	8/2/2011
90103	ALABAMA POWER COMPANY	Alabama Industrial Energy Consumers	31653	Direct	AL	Renewable Purchased Power Agreement	7/28/2011
101101	AEP TEXAS NORTH COMPANY	Texas Industrial Energy Consumers	39361	Direct	TX	Energy Efficiency Cost Recovery Factor	7/26/2011
101101	AEP TEXAS CENTRAL COMPANY	Texas Industrial Energy Consumers	36360	Direct	TX	Energy Efficiency Cost Recovery Factor	7/20/2011
90201	ENTERGY TEXAS, INC.	Texas Industrial Energy Consumers	39366	Direct	TX	Energy Efficiency Cost Recovery Factor	7/19/2011
90404	CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC	Texas Industrial Energy Consumers	39363	Direct	TX	Energy Efficiency Cost Recovery Factor	7/15/2011
101201	NORTHERN STATES POWER COMPANY	Xcel Large Industrials	E002/GR-10-971	Surrebuttal	MN	Depreciation; Non-Asset Margin Sharing; Step-In Increase; Class Cost- of-Service Study; Class Revenue Allocation; Rate Design	5/26/2011
101201	NORTHERN STATES POWER COMPANY	Xcel Large Industrials	E002/GR-10-971	Rebuttal	MN	Classification of Wind Investment	5/4/2011
101201	NORTHERN STATES POWER COMPANY	Xcel Large Industrials	E002/GR-10-971	Direct	MN	Surplus Depreciation Reserve, Incentive Compensation, Non-Asset Trading Margin Sharing, Cost Allocation, Class Revenue Allocation, Rate Design	4/5/2011
101202	ROCKY MOUNTAIN POWER	Wyoming Industrial Energy Consumers	20000-381-EA-10	Direct	WY	2010 Protocols	2/11/2011
100802	TEXAS-NEW MEXICO POWER COMPANY	Texas Industrial Energy Consumers	38480	Direct	TX	Cost Allocation, TCRF	11/8/2010
90402	GEORGIA POWER COMPANY	Georgia Industrial Group/Georgia Traditional Manufacturers Group	31958	Direct	GA	Alternate Rate Plan, Return on Equity, Riders, Cost-of-Service Study, Revenue Allocation, Economic Development	10/22/2010
90404	CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC	Texas Industrial Energy Consumers	38339	Cross-Rebuttal	TX	Cost Allocation, Class Revenue Allocation	9/24/2010
90404	CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC	Texas Industrial Energy Consumers	38339	Direct	TX	Pension Expense, Surplus Depreciation Reserve, Cost Allocation, Rate Design, Riders	9/10/2010
100303	NIAGARA MOHAWK POWER CORP.	Multiple Intervenors	10-E-0050	Rebuttal	NY	Multi-Year Rate Plan, Cost Allocation, Revenue Allocation, Reconciliation Mechanisms, Rate Design	8/6/2010
100303	NIAGARA MOHAWK POWER CORP.	Multiple Intervenors	10-E-0050	Direct	NY	Multi-Year Rate Plan, Cost Allocation, Revenue Allocation, Reconciliation Mechanisms, Rate Design	0714/2010



PROJECT	UTILITY	ON BEHALF OF	DOCKET	TYPE	REGULATORY JURISDICTION	SUBJECT	DATE
91203	ENTERGY TEXAS, INC.	Texas Industrial Energy Consumers	37744	Cross Rebuttal	TX	Cost Allocation, Revenue Allocation, CGS Rate Design, Interruptible Service	6/30/2010
91203	ENTERGY TEXAS, INC.	Texas Industrial Energy Consumers	37744	Direct	TX	Class Cost of Service Study, Revenue Allocation, Rate Design, Competitive Generation Services, Line Extension Policy	6/9/2010
90201	ENTERGY TEXAS, INC.	Texas Industrial Energy Consumers	37482	Cross Rebuttal	TX	Allocation of Purchased Power Capacity Costs	2/3/2010
90402	GEORGIA POWER COMPANY	Georgia Industrial Group/Georgia Traditional Manufacturers Group	28945	Direct	GA	Fuel Cost Recovery	1/29/2010
90201	ENTERGY TEXAS, INC.	Texas Industrial Energy Consumers	37482	Direct	TX	Purchased Power Capacity Cost Factor	1/22/2010
90403	VIRGINIA ELECTRIC AND POWER COMPANY	MeadWestvaco Corporation	PUE-2009-00081	Direct	VA	Allocation of DSM Costs	1/13/2010
90201	ENTERGY TEXAS, INC.	Texas Industrial Energy Consumers	37580	Direct	TX	Fuel refund	12/4/2009
90403	VIRGINIA ELECTRIC AND POWER COMPANY	MeadWestvaco Corporation	PUE-2009-00019	Direct	VA	Standby rate design; dynamic pricing	11/9/2009
80601	SOUTHWESTERN PUBLIC SERVICE COMPANY	Texas Industrial Energy Consumers	37135	Direct	TX	Transmission cost recovery factor	10/22/2009
80703	MID-KANSAS ELECTRIC COMPANY, LLC	Western Kansas Industrial Electric Consumers	09-MKEE-969-RTS	Direct	KS	Revenue requirements, TIER, rate design	10/19/2009
90601	VARIOUS UTILITIES	Florida Industrial Power Users Group	090002-EG	Direct	FL	Interruptible Credits	10/2/2009
80505	ONCOR ELECTRIC DELIVERY COMPANY	Texas Industrial Energy Consumers	36958	Cross Rebuttal	TX	2010 Energy efficiency cost recovery factor	8/18/2009
81001	PROGRESS ENERGY FLORIDA	Florida Industrial Power Users Group	90079	Direct	FL	Cost-of-service study, revenue allocation, rate design, depreciation expense, capital structure	8/10/2009
90404	CENTERPOINT	Texas Industrial Energy Consumers	36918	Cross Rebuttal	TX	Allocation of System Restoration Costs	7/17/2009
90301	FLORIDA POWER AND LIGHT COMPANY	Florida Industrial Power Users Group	080677	Direct	FL	Depreciation; class revenue allocation; rate design; cost allocation; and capital structure	7/16/2009
90201	ENTERGY TEXAS, INC.	Texas Industrial Energy Consumers	36956	Direct	TX	Approval to revise energy efficiency cost recovery factor	7/16/2009
90601	VARIOUS UTILITIES	Florida Industrial Power Users Group	VARIOUS DOCKETS	Direct	FL	Conservation goals	7/6/2009
90201	ENTERGY TEXAS, INC.	Texas Industrial Energy Consumers	36931	Direct	TX	System restoration costs under Senate Bill 769	6/30/2009
90502	SOUTHWESTERN ELECTRIC POWER COMPANY	Texas Industrial Energy Consumers	36966	Direct	TX	Authority to revise fixed fuel factors	6/18/2009
80805	TEXAS-NEW MEXICO POWER COMPANY	Texas Industrial Energy Consumers	36025	Cross-Rebuttal	TX	Cost allocation, revenue allocation and rate design	6/10/2009
80805	TEXAS-NEW MEXICO POWER COMPANY	Texas Industrial Energy Consumers	36025	Direct	TX	Cost allocation, revenue allocation, rate design	5/27/2009
81201	NORTHERN STATES POWER COMPANY	Xcel Large Industrials	08-1065	Surrebuttal	MN	Cost allocation, revenue allocation, rate design	5/27/2009
90403	VIRGINIA ELECTRIC AND POWER COMPANY	MeadWestvaco Corporation	PUE-2009-00018	Direct	VA	Transmission cost allocation and rate design	5/20/2009
90101	NORTHERN INDIANA PUBLIC SERVICE COMPANY	Beta Steel Corporation	43526	Direct	IN	Cost allocation and rate design	5/8/2009
81203	ENTERGY SERVICES, INC	Texas Industrial Energy Consumers	ER008-1056	Rebuttal	FERC	Rough Production Cost Equalization payments	5/7/2009
81201	NORTHERN STATES POWER COMPANY	Xcel Large Industrials	08-1065	Rebuttal	MN	Class revenue allocation and the classification of renewable energy costs	5/5/2009



PROJECT	UTILITY	ON BEHALF OF	DOCKET	TYPE	REGULATORY JURISDICTION	SUBJECT	DATE
81201	NORTHERN STATES POWER COMPANY	Xcel Large Industrials	08-1065	Direct	MN	Cost-of-service study, class revenue allocation, and rate design	4/7/2009
81203	ENTERGY SERVICES, INC	Texas Industrial Energy Consumers	ER08-1056	Answer	FERC	Rough Production Cost Equalization payments	3/6/2009
80901	ROCKY MOUNTAIN POWER	Wyoming Industrial Energy Consumers	20000-333-ER-08	Direct	WY	Cost of service study; revenue allocation; inverted rates; revenue requirements	1/30/2009
81203	ENTERGY SERVICES	Texas Industrial Energy Consumers	ER08-1056	Direct	FERC	Entergy's proposal seeking Commission approval to allocate Rough Production Cost Equalization payments.	1/9/2009
80505	ONCOR ELECTRIC DELIVERY COMPANY & TEXAS ENERGY FUTURE HOLDINGS LTD	Texas Industrial Energy Consumers	35717	Cross Rebuttal	TX	Retail transformation; cost allocation, demand ratchet waivers, transmission cost allocation factor	12/24/2008
70101	GEORGIA POWER COMPANY	Georgia Industrial Group and Georgia Traditional Manufacturers Association	27800	Direct	GA	Cash Return on CWIP associated with the Plant Vogtle Expansion	12/19/2008
80505	ONCOR ELECTRIC DELIVERY COMPANY & TEXAS ENERGY FUTURE HOLDINGS LTD	Texas Industrial Energy Consumers	35717	Direct	TX	Revenue Requirement, class cost of service study, class revenue allocation and rate design	11/26/2008
80802	TAMPA ELECTRIC COMPANY	The Florida Industrial Power Users Group and Mosaic Company	080317-EI	Direct	FL	Revenue Requirements, retail class cost of service study, class revenue allocation, firm and non firm rate design and the Transmission Base Rate Adjustment	11/26/2008
80601	SOUTHWESTERN PUBLIC SERVICE COMPANY	Texas Industrial Energy Consumers	35763	Supplemental Direct	TX	Recovery of Energy Efficiency Costs	11/6/2008
80601	SOUTHWESTERN PUBLIC SERVICE COMPANY	Texas Industrial Energy Consumers	35763	Cross-Rebuttal	TX	Cost Allocation, Demand Ratchet, Renewable Energy Certificates (REC)	10/28/2008
80601	SOUTHWESTERN PUBLIC SERVICE COMPANY	Texas Industrial Energy Consumers	35763	Direct	TX	Revenue Requirements, Fuel Reconciliation Revenue Allocation, Cost-of-Service and Rate Design	10/13/2008
50106	ALABAMA POWER COMPANY	Alabama Industrial Energy Consumers	18148	Direct	AL	Energy Cost Recovery Rate (WITHDRAWN)	9/16/2008
50701	ENTERGY TEXAS, INC.	Texas Industrial Energy Consumers	35269	Direct	TX	Allocation of rough production costs equalization payments	7/9/2008
70703	ENTERGY GULF STATES UTILITIES, TEXAS	Texas Industrial Energy Consumers	34800	Direct	TX	Non-Unanimous Stipulation	6/11/2008
50103	TEXAS PUC STAFF	Texas Industrial Energy Consumers	33672	Supplemental Rebuttal	TX	Transmission Optimization and Ancillary Services Studies	6/3/2008
50103	TEXAS PUC STAFF	Texas Industrial Energy Consumers	33672	Supplemental Direct	TX	Transmission Optimization and Ancillary Services Studies	5/23/2008
60104	SOUTHWESTERN ELECTRIC POWER COMPANY	Texas Industrial Energy Consumers	33891	Supplemental Direct	TX	Certificate of Convenience and Necessity	5/8/2008
70703	ENTERGY GULF STATES UTILITES, TEXAS	Texas Industrial Energy Consumers	34800	Cross-Rebuttal	TX	Cost Allocation and Rate Design and Competitive Generation Service	4/18/2008
70703	ENTERGY GULF STATES UTILITES, TEXAS	Texas Industrial Energy Consumers	34800	Direct	TX	Eligible Fuel Expense	4/11/2008
70703	ENTERGY GULF STATES UTILITES, TEXAS	Texas Industrial Energy Consumers	34800	Direct	TX	Competitive Generation Service Tariff	4/11/2008
70703	ENTERGY GULF STATES UTILITES, TEXAS	Texas Industrial Energy Consumers	34800	Direct	TX	Revenue Requirements	4/11/2008
70703	ENTERGY GULF STATES UTILITES, TEXAS	Texas Industrial Energy Consumers	34800	Direct	TX	Cost of Service study, revenue allocation, design of firm, interruptible and standby service tariffs; interconnection costs	4/11/2008
41229	TEXAS-NEW MEXICO POWER COMPANY	Texas Industrial Energy Consumers	35038	Rebuttal	TX	Over \$5 Billion Compliance Filing	4/14/2008



PROJECT	UTILITY	ON BEHALF OF	DOCKET	TYPE	REGULATORY JURISDICTION	SUBJECT	DATE
60303	GEORGIA POWER COMPANY	Georgia Industrial Group/Georgia Traditional Manufacturers Group	26794	Direct	GA	Fuel Cost Recovery	4/15/2008
71202	SOUTHWESTERN PUBLIC SERVICE COMPANY	Occidental Periman Ltd.	07-00319-UT	Rebuttal	NM	Revenue requirements, cost of service study, rate design	3/28/2008
61101	AEP TEXAS CENTRAL COMPANY	Texas Industrial Energy Consumers	35105	Direct	TX	Over \$5 Billion Compliance Filing	3/20/2008
51101	CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC	Texas Industrial Energy Consumers	32902	Direct	TX	Over \$5 Billion Compliance Filing	3/20/2008
71202	SOUTHWESTERN PUBLIC SERVICE COMPANY	Occidental Periman Ltd.	07-00319-UT	Direct	NM	Revenue requirements, cost of service study (COS); rate design	3/7/2008
50701	ENTERGY GULF STATES UTILITIES TEXAS	Texas Industrial Energy Consumers	34724	Direct	TX	IPCR Rider increase and interim surcharge	11/28/2007
70601	GEORGIA POWER COMPANY	Georgia Industrial Group/Georgia Traditional Manufacturers Group	25060-U	Direct	GA	Return on equity; cost of service study; revenue allocation; ILR Rider; spinning reserve tariff; RTP	10/24/2007
70303	ONCOR ELECTRIC DELIVERY COMPANY & TEXAS ENERGY FUTURE HOLDINGS LTD	Texas Industrial Energy Consumers	34077	Direct	TX	Acquisition; public interest	9/14/2007
60104	SOUTHWESTERN ELECTRIC POWER COMPANY	Texas Industrial Energy Consumers	33891	Direct	TX	Certificate of Convenience and Necessity	8/30/2007
61201	ALTAMAHA ELECTRIC MEMBERSHIP CORPORATION	' '	25226-U	Rebuttal	GA	Discriminatory Pricing; Service Territorial Transfer	7/17/2007
61201	ALTAMAHA ELECTRIC MEMBERSHIP CORPORATION	SP Newsprint Company	25226-U	Direct	GA	Discriminatory Pricing; Service Territorial Transfer	7/6/2007
70502	PROGRESS ENERGY FLORIDA	Florida Industrial Power Users Group	070052-EI	Direct	FL	Nuclear uprate cost recovery	6/19/2007
70603	ELECTRIC TRANSMISSION TEXAS LLC	Texas Industrial Energy Consumers	33734	Direct	TX	Certificate of Convenience and Necessity	6/8/2007
60601	TEXAS PUC STAFF	Texas Industrial Energy Consumers	32795	Rebuttal Remand	TX	Interest rate on stranded cost reconciliation	6/15/2007
60601	TEXAS PUC STAFF	Texas Industrial Energy Consumers	32795	Remand	TX	Interest rate on stranded cost reconciliation	6/8/2007
50103	TEXAS PUC STAFF	Texas Industrial Energy Consumers	33672	Rebuttal	TX	CREZ Nominations	5/21/2007
50701	ENTERGY GULF STATES UTILITES, TEXAS	Texas Industrial Energy Consumers	33687	Direct	TX	Transition to Competition	4/27/2007
50103	TEXAS PUC STAFF	Texas Industrial Energy Consumers	33672	Direct	TX	CREZ Nominations	4/24/2007
61101	AEP TEXAS CENTRAL COMPANY	Texas Industrial Energy Consumers	33309	Cross-Rebuttal	TX	Cost Allocation,Rate Design, Riders	4/3/2007
50701	ENTERGY GULF STATES UTILITIES TEXAS	Texas Industrial Energy Consumers	32710	Cross-Rebuttal	TX	Fuel and Rider IPCR Reconcilation	3/16/2007
61101	AEP TEXAS NORTH COMPANY	Texas Industrial Energy Consumers	33310	Direct	TX	Cost Allocation,Rate Design, Riders	3/13/2007
61101	AEP TEXAS CENTRAL COMPANY	Texas Industrial Energy Consumers	33309	Direct	TX	Cost Allocation,Rate Design, Riders	3/13/2007
50701	ENTERGY GULF STATES UTILITIES TEXAS	Texas Industrial Energy Consumers	32710	Direct	TX	Fuel and Rider IPCR Reconcilation	2/28/2007
41219	AEP TEXAS NORTH COMPANY	Texas Industrial Energy Consumers	31461	Direct	TX	Rider CTC design	2/15/2007
50701	ENTERGY GULF STATES UTILITIES TEXAS	Texas Industrial Energy Consumers	33586	Cross-Rebuttal	TX	Hurricane Rita reconstruction costs	1/30/2007
60104	SOUTHWESTERN ELECTRIC POWER COMPANY	Texas Industrial Energy Consumers	32898	Direct	TX	Fuel Reconciliation	1/29/2007
50701	ENTERGY GULF STATES UTILITIES TEXAS	Texas Industrial Energy Consumers	33586	Direct	TX	Hurricane Rita reconstruction costs	1/18/2007
60303	GEORGIA POWER COMPANY	Georgia Industrial Group/Georgia Textile Manufacturers Group	23540-U	Direct	GA	Fuel Cost Recovery	1/11/2007
60503	SOUTHWESTERN PUBLIC SERVICE COMPANY	Texas Industrial Energy Consumers	32766	Cross Rebuttal	TX	Cost allocation, Cost of service, Rate design	1/8/2007
60503	SOUTHWESTERN PUBLIC SERVICE COMPANY	Texas Industrial Energy Consumers	32766	Direct	TX	Cost allocation, Cost of service, Rate design	12/22/2006



PROJECT	UTILITY	ON BEHALF OF	DOCKET	TYPE	REGULATORY JURISDICTION	SUBJECT	DATE
60503	SOUTHWESTERN PUBLIC SERVICE COMPANY	Texas Industrial Energy Consumers	32766	Direct	TX	Revenue Requirements,	12/15/2006
60503	SOUTHWESTERN PUBLIC SERVICE COMPANY	Texas Industrial Energy Consumers	32766	Direct	TX	Fuel Reconcilation	12/15/2006
50701	ENTERGY GULF STATES UTILITIES TEXAS	Texas Industrial Energy Consumers	32907	Cross Rebuttal	TX	Hurricane Rita reconstruction costs	10/12/06
50701	ENTERGY GULF STATES UTILITIES TEXAS	Texas Industrial Energy Consumers	32907	Direct	TX	Hurricane Rita reconstruction costs	10/09/06
60601	TEXAS PUC STAFF	Texas Industrial Energy Consumers	32795	Cross Rebuttal	TX	Stranded Cost Reallocation	09/07/06
60101	COLQUITT EMC	ERCO Worldwide	23549-U	Direct	GA	Service Territory Transfer	08/10/06
60601	TEXAS PUC STAFF	Texas Industrial Energy Consumers	32795	Direct	TX	Stranded Cost Reallocation	08/23/06
60104	SOUTHWESTERN ELECTRIC POWER COMPANY	Texas Industrial Energy Consumers	32672	Direct	TX	ME-SPP Transfer of Certificate to SWEPCO	8/23/2006
50503	AEP TEXAS CENTRAL COMPANY	Texas Industrial Energy Consumers	32758	Direct	TX	Rider CTC design and cost recovery	08/24/06
60503	SOUTHWESTERN PUBLIC SERVICE COMPANY	Texas Industrial Energy Consumers	32685	Direct	TX	Fuel Surcharge	07/26/06
60301	PUBLIC SERVICE ELECTRIC AND GAS COMPANY	New Jersey Large Energy Consumers	171406	Direct	NJ	Gas Delivery Cost allocation and Rate design	06/21/06
60303	GEORGIA POWER COMPANY	Georgia Industrial Group/Georgia Textile Manufacturers Group	22403-U	Direct	GA	Fuel Cost Recovery Allowance	05/05/06
50503	AEP TEXAS CENTRAL COMPANY	Texas Industrial Energy Consumers	32475	Cross-Rebuttal	TX	ADFIT Benefit	04/27/06
50503	AEP TEXAS CENTRAL COMPANY	Texas Industrial Energy Consumers	32475	Direct	TX	ADFIT Benefit	04/17/06
41229	TEXAS-NEW MEXICO POWER COMPANY	Texas Industrial Energy Consumers	31994	Cross-Rebuttal	TX	Stranded Costs and Other True-Up Balances	3/16/2006
41229	TEXAS-NEW MEXICO POWER COMPANY	Texas Industrial Energy Consumers	31994	Direct	TX	Stranded Costs and Other True-Up Balances	3/10/2006
50303	SOUTHWESTERN PUBLIC SERVICE COMPANY	Occidental Periman Ltd. Occidental Power Marketing	ER05-168-001	Direct	NM	Fuel Reconciliation	3/6/2006
50701	ENTERGY GULF STATES UTILITIES TEXAS	Texas Industrial Energy Consumers	31544	Cross-Rebuttal	TX	Transition to Competition Costs	01/13/06
50701	ENTERGY GULF STATES UTILITIES TEXAS	Texas Industrial Energy Consumers	31544	Direct	TX	Transition to Competition Costs	01/13/06
50601	PUBLIC SERVICE ELECTRIC AND GAS COMPANY AND EXELON CORPORATION	New Jersey Large Energy Consumers Retail Energy Supply Association	BPU EM05020106 OAL PUC-1874-05	Surrebuttal	NJ	Merger	12/22/2005
50705	SOUTHWESTERN PUBLIC SERVICE COMPANY	Occidental Periman Ltd. Occidental Power Marketing	EL05-19-002; ER05-168-001	Responsive	FERC	Fuel Cost adjustment clause (FCAC)	11/18/2005
50601	PUBLIC SERVICE ELECTRIC AND GAS COMPANY AND EXELON CORPORATION	New Jersey Large Energy Consumers Retail Energy Supply Association	BPU EM05020106	Direct	NJ	Merger	11/14/2005
50102	PUBLIC UTILITY COMMISSION OF TEXAS	Texas Industrial Energy Consumers	OAL PUC-1874-05 31540	Direct	TX	Nodal Market Protocols	11/10/2005
50701	ENTERGY GULF STATES UTILITIES TEXAS	Texas Industrial Energy Consumers	31315	Cross-Rebuttal	TX	Recovery of Purchased Power Capacity Costs	10/4/2005
50701	ENTERGY GULF STATES UTILITIES TEXAS	Texas Industrial Energy Consumers	31315	Direct	TX	Recovery of Purchased Power Capacity Costs	9/22/2005
50705	SOUTHWESTERN PUBLIC SERVICE COMPANY	Occidental Periman Ltd. Occidental Power Marketing	EL05-19-002; ER05-168-001	Responsive	FERC	Fuel Cost Adjustment Clause (FCAC)	9/19/2005
50503	AEP TEXAS CENTRAL COMPANY	Texas Industrial Energy Consumers	31056	Direct	TX	Stranded Costs and Other True-Up Balances	9/2/2005
50705	SOUTHWESTERN PUBLIC SERVICE COMPANY	Occidental Periman Ltd. Occidental Power Marketing	EL05-19-00; ER05-168-00	Direct	FERC	Fuel Cost adjustment clause (FCAC)	8/19/2006
50203	GEORGIA POWER COMPANY	Georgia Industrial Group/Georgia Textile Manufacturers Group	19142-U	Direct	GA	Fuel Cost Recovery	4/8/2005
41230	CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC	Texas Industrial Energy Consumers	30706	Direct	TX	Competition Transition Charge	3/16/2005
41230	CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC	Texas Industrial Energy Consumers	30485	Supplemental Direct	TX	Financing Order	1/14/2005
41230	CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC	Texas Industrial Energy Consumers	30485	Direct	TX	Financing Order	1/7/2005



PROJECT	UTILITY	ON BEHALF OF	DOCKET	TYPE	REGULATORY JURISDICTION	SUBJECT	DATE
8201	PUBLIC SERVICE COMPANY OF COLORADO	Colorado Energy Consumers	04S-164E	Cross Answer	CO	Cost of Service Study, Interruptible Rate Design	12/13/2004
8201	PUBLIC SERVICE COMPANY OF COLORADO	Colorado Energy Consumers	04S-164E	Answer	CO	Cost of Service Study, Interruptible Rate Design	10/12/2004
8244	GEORGIA POWER COMPANY	Georgia Industrial Group/Georgia Textile Manufacturers Group	18300-U	Direct	GA	Revenue Requirements, Revenue Allocation, Cost of Service, Rate Design, Economic Development	10/8/2004
8195	CENTERPOINT, RELIANT AND TEXAS GENCO	Texas Industrial Energy Consumers	29526	Direct	TX	True-Up	6/1/2004
8156	GEORGIA POWER COMPANY/SAVANNAH ELECTRIC AND POWER COMPANY	Georgia Industrial Group	17687-U/17688-U	Direct	GA	Demand Side Management	5/14/2004
8148	TEXAS-NEW MEXICO POWER COMPANY	Texas Industrial Energy Consumers	29206	Direct	TX	True-Up	3/29/2004
8095	CONECTIV POWER DELIVERY	New Jersey Large Energy Consumers	ER03020110	Surrebuttal	NJ	Cost of Service	3/18/2004
8111	AEP TEXAS CENTRAL COMPANY	Texas Industrial Energy Consumers	28840	Rebuttal	TX	Cost Allocation and Rate Design	2/4/2004
8095	CONECTIV POWER DELIVERY	New Jersey Large Energy Consumers	ER03020110	Direct	NJ	Cost Allocation and Rate Design	1/4/2004
7850	RELIANT ENERGY HL&P	Texas Industrial Energy Consumers	26195	Supplemental Direct	TX	Fuel Reconciliation	9/23/2003
8045	VIRGINIA ELECTRIC AND POWER COMPANY	Virginia Committee for Fair Utility Rates	PUE-2003-00285	Direct	VA	Stranded Cost	9/5/2003
8022	GEORGIA POWER COMPANY	Georgia Industrial Group/Georgia Textile Manufacturers Group	17066-U	Direct	GA	Fuel Cost Recovery	7/22/2003
8002	AEP TEXAS CENTRAL COMPANY	Flint Hills Resources, LP	25395	Direct	TX	Delivery Service Tariff Issues	5/9/2003
7857	PUBLIC SERVICE ELECTRIC AND GAS COMPANY	New Jersey Large Energy Consumers	ER02050303	Supplemental	NJ	Cost of Service	3/14/2003
7850	RELIANT ENERGY HL&P	Texas Industrial Energy Consumers	26195	Direct	TX	Fuel Reconciliation	12/31/2002
7857	PUBLIC SERVICE ELECTRIC AND GAS COMPANY	New Jersey Large Energy Consumers	ER02050303	Surrebuttal	NJ	Revenue Allocation	12/16/2002
7836	PUBLIC SERVICE COMPANY OF COLORADO	Colorado Energy Consumers	02S-315EG	Answer	CO	Incentive Cost Adjustment	11/22/2002
7857	PUBLIC SERVICE ELECTRIC AND GAS COMPANY	New Jersey Large Energy Consumers	ER02050303	Direct	NJ	Revenue Allocation	10/22/2002
7863	DOMINION VIRGINIA POWER	Virginia Committee for Fair Utility Rates	PUE-2001-00306	Direct	VA	Generation Market Prices	8/12/2002
7718	FLORIDA POWER CORPORATION	Florida Industrial Power Users Group	000824-EI	Direct	FL	Rate Design	1/18/2002
7633	GEORGIA POWER COMPANY	Georgia Industrial Group/Georgia Textile Manufacturers Group	14000-U	Direct	GA	Cost of Service Study, Revenue Allocation, Rate Design	10/12/2001
7555	TAMPA ELECTRIC COMPANY	Florida Industrial Power Users Group	010001-EI	Direct	FL	Rate Design	10/12/2001
7658	SOUTHWESTERN ELECTRIC POWER COMPANY	Texas Industrial Energy Consumers	24468	Direct	TX	Delay of Retail Competition	9/24/2001
7647	ENTERGY GULF STATES, INC.	Texas Industrial Energy Consumers	24469	Direct	TX	Delay of Retail Competition	9/22/2001
7608	RELIANT ENERGY HL&P	Texas Industrial Energy Consumers	23950	Direct	TX	Price to Beat	7/3/2001
7593	GEORGIA POWER COMPANY	Georgia Industrial Group/Georgia Textile Manufacturers Group	13711-U	Direct	GA	Fuel Cost Recovery	5/11/2001
7520	GEORGIA POWER COMPANY	Georgia Industrial Group/Georgia Textile	12499-U,13305-U,	Direct	GA	Integrated Resource Planning	5/11/2001
7303	SAVANNAH ELECTRIC & POWER COMPANY ENTERGY GULF STATES, INC.	Manufacturers Group Texas Industrial Energy Consumers	13306-U 22356	Rebuttal	TX	Allocation/Collection of Municipal Franchise Fees	3/31/2001
7309	SOUTHWESTERN PUBLIC SERVICE COMPANY	Texas Industrial Energy Consumers	22351	Cross-Rebuttal	TX	Energy Efficiency Costs	2/22/2001
7305	CPL, SWEPCO, and WTU	Texas Industrial Energy Consumers	22352, 22353, 22354	Cross-Rebuttal	TX	Allocation/Collection of Municipal Franchise Fees	2/20/2001
7423	GEORGIA POWER COMPANY	Georgia Industrial Group/Georgia Textile Manufacturers Group	13140-U	Direct	GA	Interruptible Rate Design	2/16/2001
7305	CPL, SWEPCO, and WTU	Texas Industrial Energy Consumers	22352, 22353, 22354	Supplemental Direct	TX	Transmission Cost Recovery Factor	2/13/2001



PROJECT	UTILITY	ON BEHALF OF	DOCKET	TYPE	REGULATORY JURISDICTION	SUBJECT	DATE
7310	TEXAS-NEW MEXICO POWER COMPANY	Texas Industrial Energy Consumers	22349	Cross-Rebuttal	TX	Rate Design	2/12/2001
7308	TXU ELECTRIC COMPANY	Texas Industrial Energy Consumers	22350	Cross-Rebuttal	TX	Unbundled Cost of Service	2/12/2001
7303	ENTERGY GULF STATES, INC.	Texas Industrial Energy Consumers	22356	Cross-Rebuttal	TX	Stranded Cost Allocation	2/6/2001
7308	TXU ELECTRIC COMPANY	Texas Industrial Energy Consumers	22350	Direct	TX	Rate Design	2/5/2001
7303	ENTERGY GULF STATES, INC.	Texas Industrial Energy Consumers	22356	Supplemental Direct	TX	Rate Design	1/25/2001
7307	RELIANT ENERGY HL&P	Texas Industrial Energy Consumers	22355	Cross-Rebuttal	TX	Stranded Cost Allocation	1/12/2001
7303	ENTERGY GULF STATES, INC.	Texas Industrial Energy Consumers	22356	Direct	TX	Stranded Cost Allocation	1/9/2001
7307	RELIANT ENERGY HL&P	Texas Industrial Energy Consumers	22355	Direct	TX	Cost Allocation	12/13/2000
7375	CENTRAL POWER AND LIGHT COMPANY	Texas Industrial Energy Consumers	22352	Cross-Rebuttal	TX	CTC Rate Design	12/1/2000
7375	CENTRAL POWER AND LIGHT COMPANY	Texas Industrial Energy Consumers	22352	Direct	TX	Cost Allocation	11/1/2000
7308	TXU ELECTRIC COMPANY	Texas Industrial Energy Consumers	22350	Direct	TX	Cost Allocation	11/1/2000
7308	TXU ELECTRIC COMPANY	Texas Industrial Energy Consumers	22350	Cross-Rebuttal	TX	Cost Allocation	11/1/2000
7305	CPL, SWEPCO, and WTU	Texas Industrial Energy Consumers	22352, 22353, 22354	Direct	TX	Excess Cost Over Market	11/1/2000
7315	VARIOUS UTILITIES	Texas Industrial Energy Consumers	22344	Direct	TX	Generic Customer Classes	10/14/2000
7308	TXU ELECTRIC COMPANY	Texas Industrial Energy Consumers	22350	Direct	TX	Excess Cost Over Market	10/10/2000
7315	VARIOUS UTILITIES	Texas Industrial Energy Consumers	22344	Rebuttal	TX	Excess Cost Over Market	10/1/2000
7310	TEXAS-NEW MEXICO POWER COMPANY	Texas Industrial Energy Consumers	22349	Cross-Rebuttal	TX	Generic Customer Classes	10/1/2000
7310	TEXAS-NEW MEXICO POWER COMPANY	Texas Industrial Energy Consumers	22349	Direct	TX	Excess Cost Over Market	9/27/2000
7307	RELIANT ENERGY HL&P	Texas Industrial Energy Consumers	22355	Cross-Rebuttal	TX	Excess Cost Over Market	9/26/2000
7307	RELIANT ENERGY HL&P	Texas Industrial Energy Consumers	22355	Direct	TX	Excess Cost Over Market	9/19/2000
7334	GEORGIA POWER COMPANY	Georgia Industrial Group/Georgia Textile Manufacturers Group	11708-U	Rebuttal	GA	RTP Petition	3/24/2000
7334	GEORGIA POWER COMPANY	Georgia Industrial Group/Georgia Textile Manufacturers Group	11708-U	Direct	GA	RTP Petition	3/1/2000
7232	PUBLIC SERVICE COMPANY OF COLORADO	Colorado Industrial Energy Consumers	99A-377EG	Answer	со	Merger	12/1/1999
7258	TXU ELECTRIC COMPANY	Texas Industrial Energy Consumers	21527	Direct	TX	Securitization	11/24/1999
7246	CENTRAL POWER AND LIGHT COMPANY	Texas Industrial Energy Consumers	21528	Direct	TX	Securitization	11/24/1999
7089	VIRGINIA ELECTRIC AND POWER COMPANY	Virginia Committee for Fair Utility Rates	PUE980813	Direct	VA	Unbundled Rates	7/1/1999
7090	AMERICAN ELECTRIC POWER SERVICE CORPORATION	Old Dominion Committee for Fair Utility Rates	PUE980814	Direct	VA	Unbundled Rates	5/21/1999
7142	SHARYLAND UTILITIES, L.P.	Sharyland Utilities	20292	Rebuttal	TX	Certificate of Convenience and Necessity	4/30/1999
7060	PUBLIC SERVICE COMPANY OF COLORADO	Colorado Industrial Energy Consumers	98A-511E	Direct	CO	Allocation of Pollution Control Costs	3/1/1999
7039	SAVANNAH ELECTRIC AND POWER COMPANY	Various Industrial Customers	10205-U	Direct	GA	Fuel Costs	1/1/1999
6945	TAMPA ELECTRIC COMPANY	Florida Industrial Power Users Group	950379-EI	Direct	FL	Revenue Requirement	10/1/1998
6873	GEORGIA POWER COMPANY	Georgia Industrial Group	9355-U	Direct	GA	Revenue Requirement	10/1/1998
6729	VIRGINIA ELECTRIC AND POWER COMPANY	Virginia Committee for Fair Utility Rates	PUE960036,PUE96029	Direct	VA TV	Alternative Regulatory Plan	8/1/1998
6713	CENTRAL POWER AND LIGHT COMPANY	Texas Industrial Energy Consumers	16995	Cross-Rebuttal	TX	IRR	1/1/1998
6582	HOUSTON LIGHTING & POWER COMPANY	Lyondell Petrochemical Company	96-02867	Direct	COURT	Interruptible Power	1997
6758	SOUTHWESTERN ELECTRIC POWER COMPANY	Texas Industrial Energy Consumers	17460	Direct	TX	Fuel Reconciliation	12/1/1997
6729	VIRGINIA ELECTRIC AND POWER COMPANY	Virginia Committee for Fair Utility Rates	PUE960036,PUE96029	Direct	VA	Alternative Regulatory Plan	12/1/1997



PROJECT	UTILITY	ON BEHALF OF	DOCKET	TYPE	REGULATORY JURISDICTION	SUBJECT	DATE
6713	CENTRAL POWER AND LIGHT COMPANY	Texas Industrial Energy Consumers	16995	Direct	TX	Rate Design	12/1/1997
6646	ENTERGY TEXAS	Texas Industrial Energy Consumers	16705	Rebuttal	TX	Competitive Issues	10/1/1997
6646	ENTERGY TEXAS	Texas Industrial Energy Consumers	16705	Rebuttal	TX	Competition	10/1/1997
6646	ENTERGY TEXAS	Texas Industrial Energy Consumers	473-96-2285/16705	Direct	TX	Rate Design	9/1/1997
6646	ENTERGY TEXAS	Texas Industrial Energy Consumers	16705	Direct	TX	Wholesale Sales	8/1/1997
6744	TAMPA ELECTRIC COMPANY	Florida Industrial Power Users Group	970171-EU	Direct	FL	Interruptible Rate Design	5/1/1997
6632	MISSISSIPPI POWER COMPANY	Colonial Pipeline Company	96-UN-390	Direct	MS	Interruptible Rates	2/1/1997
6558	TEXAS-NEW MEXICO POWER COMPANY	Texas Industrial Energy Consumers	15560	Direct	TX	Competition	11/11/1996
6508	TEXAS UTILITIES ELECTRIC COMPANY	Texas Industrial Energy Consumers	15195	Direct	TX	Treatment of margins	9/1/1996
6475	TEXAS UTILITIES ELECTRIC COMPANY	Texas Industrial Energy Consumers	15015	DIRECT	TX	Real Time Pricing Rates	8/8/1996
6449	CENTRAL POWER AND LIGHT COMPANY	Texas Industrial Energy Consumers	14965	Direct	TX	Quantification	7/1/1996
6449	CENTRAL POWER AND LIGHT COMPANY	Texas Industrial Energy Consumers	14965	Direct	TX	Interruptible Rates	5/1/1996
6449	CENTRAL POWER AND LIGHT COMPANY	Texas Industrial Energy Consumers	14965	Rebuttal	TX	Interruptible Rates	5/1/1996
6523	PUBLIC SERVICE COMPANY OF COLORADO	Multiple Intervenors	95A-531EG	Answer	СО	Merger	4/1/1996
6235	TEXAS UTILITIES ELECTRIC COMPANY	Texas Industrial Energy Consumers	13575	Direct	TX	Competitive Issues	4/1/1996
6435	SOUTHWESTERN PUBLIC SERVICE COMMISSION	Texas Industrial Energy Consumers	14499	Direct	TX	Acquisition	11/1/1995
6391	HOUSTON LIGHTING & POWER COMPANY	Grace, W.R. & Company	13988	Rebuttal	TX	Rate Design	8/1/1995
6353	SOUTHWESTERN PUBLIC SERVICE COMPANY	Texas Industrial Energy Consumers	14174	Direct	TX	Costing of Off-System Sales	8/1/1995
6157	WEST TEXAS UTILITIES COMPANY	Texas Industrial Energy Consumers	13369	Rebuttal	TX	Cancellation Term	8/1/1995
6391	HOUSTON LIGHTING & POWER COMPANY	Grace, W.R. & Company	13988	Direct	TX	Rate Design	7/1/1995
6157	WEST TEXAS UTILITIES COMPANY	Texas Industrial Energy Consumers	13369	Direct	TX	Cancellation Term	7/1/1995
6296	GEORGIA POWER COMPANY	Georgia Industrial Group	5601-U	Rebuttal	GA	EPACT Rate-Making Standards	5/1/1995
6296	GEORGIA POWER COMPANY	Georgia Industrial Group	5601-U	Direct	GA	EPACT Rate-Making Standards	5/1/1995
6278	COMMONWEALTH OF VIRGINIA	VCFUR/ODCFUR	PUE940067	Rebuttal	VA	Integrated Resource Planning	5/1/1995
6295	GEORGIA POWER COMPANY	Georgia Industrial Group	5600-U	Supplemental	GA	Cost of Service	4/1/1995
6063	PUBLIC SERVICE COMPANY OF COLORADO	Multiple Intervenors	94I-430EG	Rebuttal	СО	Cost of Service	4/1/1995
6063	PUBLIC SERVICE COMPANY OF COLORADO	Multiple Intervenors	94I-430EG	Reply	СО	DSM Rider	4/1/1995
6295	GEORGIA POWER COMPANY	Georgia Industrial Group	5600-U	Direct	GA	Interruptible Rate Design	3/1/1995
6278	COMMONWEALTH OF VIRGINIA	VCFUR/ODCFUR	PUE940067	Direct	VA	EPACT Rate-Making Standards	3/1/1995
6125	SOUTHWESTERN PUBLIC SERVICE COMPANY	Texas Industrial Energy Consumers	13456	Direct	TX	DSM Rider	3/1/1995
6235	TEXAS UTILITIES ELECTRIC COMPANY	Texas Industrial Energy Consumers	13575 13749	Direct	TX	Cost of Service	2/1/1995
6063	PUBLIC SERVICE COMPANY OF COLORADO	Multiple Intervenors	94I-430EG	Answering	со	Competition	2/1/1995
6061	HOUSTON LIGHTING & POWER COMPANY	Texas Industrial Energy Consumers	12065	Direct	TX	Rate Design	1/1/1995
6181	GULF STATES UTILITIES COMPANY	Texas Industrial Energy Consumers	12852	Direct	TX	Competitive Alignment Proposal	11/1/1994
6061	HOUSTON LIGHTING & POWER COMPANY	Texas Industrial Energy Consumers	12065	Direct	TX	Rate Design	11/1/1994
5929	CENTRAL POWER AND LIGHT COMPANY	Texas Industrial Energy Consumers	12820	Direct	TX	Rate Design	10/1/1994
6107	SOUTHWESTERN ELECTRIC POWER COMPANY	Texas Industrial Energy Consumers	12855	Direct	TX	Fuel Reconciliation	8/1/1994



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APPENDIX B Testimony Filed in Regulatory Proceedings by Jeffry Pollock

PROJECT	UTILITY	ON BEHALF OF	DOCKET	TYPE	REGULATORY JURISDICTION	SUBJECT	DATE
6112	HOUSTON LIGHTING & POWER COMPANY	Texas Industrial Energy Consumers	12957	Direct	TX	Standby Rates	7/1/1994
5698	GULF POWER COMPANY	Misc. Group	931044-EI	Direct	FL	Standby Rates	7/1/1994
5698	GULF POWER COMPANY	Misc. Group	931044-EI	Rebuttal	FL	Competition	7/1/1994
6043	EL PASO ELECTRIC COMPANY	Phelps Dodge Corporation	12700	Direct	TX	Revenue Requirement	6/1/1994
6082	GEORGIA PUBLIC SERVICE COMMISSION	Georgia Industrial Group	4822-U	Direct	GA	Avoided Costs	5/1/1994
6075	GEORGIA POWER COMPANY	Georgia Industrial Group	4895-U	Direct	GA	FPC Certification Filing	4/1/1994
6025	MISSISSIPPI POWER & LIGHT COMPANY	MIEG	93-UA-0301	Comments	MS	Environmental Cost Recovery Clause	1/21/1994
5971	FLORIDA POWER & LIGHT COMPANY	Florida Industrial Power Users Group	940042-EI	Direct	FL	Section 712 Standards of 1992 EPACT	1/1/1994



INDIANA MICHIGAN POWER COMPANY Illustration of IG's Proposed Cap on Cost Recovery Clean Energy Solar Pilot Project Indiana Retail Jurisdiction (Amounts in Thousands)

Line	Description	Amount	Reference
		(1)	(2)
1	Estimated Annual Revenue Requirement	\$3,468	Exhibit CMH-1
2	Less: Green Power Rider Revenues	\$1,500	Assumption
3	Net Revenue Requirement	\$1,968	Line 1 - Line 2
			64.65519% of
4	Indiana Retail Share of CESPP Generation (MWh)	17,188.58	Total Output
5	Net Cost (\$ per MWh)	\$114.47	Line 3 ÷ Line 4
6	Weighted Average Avoided Cost (\$/MWh)	\$100.00	Assumption
7	CESPP Generation Cost Recoverable	\$1,719	Lower of Line 5 or Line 6 x Line 4

CLEAN ENERGY SOLAR PILOT PROJECT <u>Estimated Hourly Profile</u>

Hours	January	February	March	April	May	June	July	August	September	October	November	December	Total
0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
3	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
4	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
5	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%
6	0.00%	0.00%	0.00%	0.03%	0.13%	0.09%	0.09%	0.04%	0.00%	0.00%	0.00%	0.00%	0.38%
7	0.00%	0.00%	0.08%	0.30%	0.38%	0.36%	0.32%	0.28%	0.17%	0.05%	0.00%	0.00%	1.95%
8	0.02%	0.11%	0.39%	0.62%	0.72%	0.71%	0.71%	0.61%	0.49%	0.38%	0.15%	0.02%	4.92%
9	0.30%	0.40%	0.68%	0.87%	1.06%	1.02%	1.08%	0.91%	0.77%	0.70%	0.36%	0.24%	8.38%
10	0.50%	0.65%	0.88%	1.12%	1.24%	1.29%	1.24%	1.21%	1.07%	0.91%	0.53%	0.38%	11.01%
11	0.63%	0.81%	1.09%	1.28%	1.39%	1.47%	1.45%	1.43%	1.21%	1.05%	0.60%	0.50%	12.91%
12	0.70%	0.87%	1.19%	1.20%	1.49%	1.58%	1.55%	1.46%	1.26%	1.07%	0.67%	0.54%	13.56%
13	0.71%	0.87%	1.17%	1.26%	1.54%	1.58%	1.48%	1.37%	1.23%	0.98%	0.67%	0.54%	13.39%
14	0.64%	0.80%	1.10%	1.20%	1.30%	1.47%	1.40%	1.27%	1.15%	0.83%	0.58%	0.43%	12.16%
15	0.50%	0.64%	0.91%	1.02%	1.06%	1.23%	1.23%	1.08%	0.94%	0.68%	0.41%	0.31%	10.00%
16	0.28%	0.40%	0.65%	0.73%	0.81%	0.94%	0.94%	0.84%	0.64%	0.40%	0.16%	0.11%	6.91%
17	0.02%	0.12%	0.32%	0.40%	0.48%	0.57%	0.56%	0.46%	0.28%	0.08%	0.00%	0.00%	3.30%
18	0.00%	0.00%	0.04%	0.10%	0.19%	0.22%	0.23%	0.16%	0.02%	0.00%	0.00%	0.00%	0.96%
19	0.00%	0.00%	0.00%	0.00%	0.02%	0.06%	0.06%	0.00%	0.00%	0.00%	0.00%	0.00%	0.14%
20	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
21	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
22	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
23	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Grand Total	4.29%	5.67%	8.50%	10.12%	11.81%	12.61%	12.34%	11.11%	9.25%	7.11%	4.12%	3.07%	100.00%

U.S. Department of Energy - Energy Efficiency and Renewable Energy Green Power Network

Green Pricing

Utility Programs by State

The table shown here summarizes utility green pricing programs by state. Please contact our <u>Webmaster</u> if you have more recent information regarding these or new green pricing programs.

Company and product listings do not represent endorsement by either the National Renewable Energy Laboratory or the U.S. Department of Energy.

	State-Specific Utility Green Pricing Programs (last updated May 2012)							
State	Utility Information	Enrollment Information	Туре	Start Date	Premium			
AL	<u>Alabama Power</u> <u>Company</u>	Renewable Energy Rate	biomass co- firing (wood)	2003/2000	4.5¢/kWh			
AL	PowerSouth Energy Cooperative: City of Andalusia, Baldwin Electric Membership Cooperative, City of Brundidge, Central Alabama Electric Cooperative, Clarke-Washington Electric Membership Cooperative, Coosa Valley Electric Cooperative, Covington Electric Cooperative, Dixie Electric Cooperative, City of Elba, City of Opp, Pea River Electric Cooperative, Pioneer Electric Cooperative, South Alabama Electric Cooperative, Southern Pine Electric Cooperative, Tallapoosa River Electric Cooperative, Wiregrass Electric Cooperative, Wiregrass Electric Cooperative, Cooperative,	Green Power Choice	landfill gas	2006	2.0¢/kWh			
AL	TVA: City of Athens Electric Department, Cherokee Electric Coop, Cullman Electric Coop, Cullman Power Board, Decatur Utilities, Florence Utilities, Guntersville Electric Board, Hartselle Utilities, Huntsville	Green Power Switch	landfill gas, PV, wind	2000	2.67¢/kWh			

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	Utilities, Joe Wheeler EMC, Marshall-DeKalb Electric Coop, Muscle Shoals Electric Board, North Alabama Electric Coop, Sand Mountain Electric Coop, Scottsboro Electric Power Board, Sheffield Utilities, Tuscumbia Electric Department			2005	
AK AZ	Golden Valley Electric Association Arizona Public	Sustainable Natural Alternative Power (SNAP) Green Choice	various local projects wind, biomass,	2005	Contribution 0.4¢/kWh
	<u>Service</u>		landfill gas and geothermal		
AZ	Salt River Project	EarthWise Energy	PV for non- profits	1998/2001	Contribution
AZ	Tri-State Generation & Transmission: Columbus Electric Cooperative, Inc.	<u>Renewable Resource</u> <u>Power Service</u>	wind, hydro	2001	0.8¢/kWh
AZ	Tucson Electric	Bright Tucson Community Solar Program	local PV	2010	2.0¢/kWh
AZ	<u>UniSource Energy</u> <u>Services</u>	Bright Tucson Community Solar Program	local PV	2004	2.0¢/kWh
AR	Electric Cooperatives of Arkansas: (17 distribution coops) Arkansas Valley Electric Cooperative Corp., Ashley-Chicot Electric Cooperative, Inc., C&L Electric Cooperative Corp., Carroll Electric Cooperative Corp., Clay County Electric Cooperative Corp., Craighead Electric Cooperative Corp., Farmers Electric Cooperative Corp., First Electric Cooperative Corp., Mississippi County Electric Cooperative, Inc., North Arkansas Electric Cooperative, Inc., North Arkansas Electric Cooperative Corp., Ozarks Electric Cooperative Corp., Petit Jean Electric Cooperative Corp., Rich Mountain Electric	ECA Green Power	hydro	2008	5.0¢/kWh

	Cooperative, Inc. Southwest Arkansas Electric Cooperative Corp., South Central Arkansas Electric Cooperative, Inc., Woodruff Electric Cooperative Corp.				
CA	Alameda Municipal Power	<u>Alameda Green</u>	wind, solar	2012	1.5¢/kWh
CA	Anaheim Public <u>Utilities</u>	Sun Power for the Schools	PV	2002	Contribution
CA	Anaheim Public <u>Utilities</u>	Green Power for the Grid	various renewables	2002	2.0¢/kWh
CA	Los Angeles Department of Water and Power	Green Power for a Green LA	wind, landfill gas	1999	3.0¢/kWh
CA	Marin Energy Authority: City of Belvedere, Town of Fairfax, County of Marin, City of Mill Valley, Town of San Anselmo, City of San Rafael, City of Sausalito, Town of Tiburon	<u>Light Green</u>	25% renewable	2008	0.0¢/kWh
CA	Marin Energy Authority: City of Belvedere, Town of Fairfax, County of Marin, City of Mill Valley, Town of San Anselmo, City of San Rafael, City of Sausalito, Town of Tiburon	Deep Green	100% renewable	2010	1.0¢/kWh
CA	PacifiCorp: Pacific Power	Blue Sky Block	wind	2000	1.95¢/kWh
CA	Palo Alto Utilities / 3Degrees	Palo Alto Green	wind, PV	2003/2000	1.5¢/kWh
CA	Pasadena Water & Power	<u>Green Power</u>	wind	2003	2.5¢/kWh
CA	Roseville Electric	Green Roseville	wind, PV	2005	1.5¢/kWh
CA	Sacramento Municipal Utility District	Greenergy	wind, PV, landfill gas, hydro	1997	1.0¢/kWh or \$6/month
CA	<u>Sacramento</u> <u>Municipal Utility</u> <u>District</u>	<u>SolarShares</u>	PV	2007	5.0¢kWh or \$30/month
CA	Silicon Valley Power / 3Degrees	Santa Clara Green Power	wind, PV	2004	1.5¢/kWh
CA	Truckee Donner PUD	Voluntary Renewable Energy Certificates Program	wind	2008	2.0¢/kWh
СО	Colorado Springs Utilities	<u>Green Power</u>	wind	1999	3.0¢/kWh
СО	<u>Colorado Springs</u> <u>Utilities</u>	Renewable Energy Certificates Program	wind and geothermal	2008	0.34¢/kWh

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СО	Holy Cross Energy	Wind Power Pioneers	wind	1998	1.25¢/kWh
CO	Holy Cross Energy	<u>Local Renewable Energy</u> <u>Pool</u>	small hydro	2002	2.33¢/kWh
00	Platte River Power Authority: Estes Park, Fort Collins Utilities, Longmont Power & Communications, Loveland Water & Power	<u>Nature's Energy</u>	wind	1999	1.0¢/kWh-2.5¢/kWh
CO	Tri-State Generation & Transmission: Delta-Montrose Electric Association, Empire Electric Association, Inc., Gunnison County Electric Association, Inc., Highline Electric Association, La Plata Electric Association, Inc., Morgan County Rural Electric Association, Mountain Parks Electric, Inc., Mountain View Electric Association, Inc., Poudre Valley Rural Electric Association, Inc., San Isabel Electric Association, Inc., San Isabel Electric Association, Inc., San Luis Valley Rural Electric Cooperative, Inc., San Miguel Power Association, Inc., Sangre de Cristo Electric Association, Inc., Southeast Colorado Power Association, United Power, Inc., White River Electric Association, Inc., Y-W Electric Association, Inc., Y-W Electric Association, Inc., Y-W Electric Association, Inc.,	Renewable Resource Power Service	wind, hydro	1998	0.8¢/kWh
<u></u>	Xcel Energy	<u>WindSource</u>	wind	1997	2.16¢/kWh
0	Xcel Energy	Renewable Energy Trust	PV	1993	Contribution
0	Yampa Valley Electric Association	Wind Energy Program	wind	1999	0.6¢/kWh
DE	<u>Delaware Electric</u> <u>Cooperative</u>	Renewable Energy Rider	landfill gas	2006	0.2¢/kWh
FL	Gainesville Regional Utilities	GRUgreen Energy	landfill gas, wind, PV	2003	2.0¢/kWh
ī.	PowerSouth Energy Cooperative: CHELCO, Escambia River Electric Cooperative, Gulf	Green Power Choice	landfill gas	2006	2.0¢/kWh

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	Coast Electric Cooperative, West Florida Electric Cooperative				
FL	Tampa Electric Company (TECO)	Renewable Energy	PV, landfill, biomass co- firing (wood)	2001	2.5¢/kWh
FL	Utilities Commission City of New Smyrna Beach	Green Fund	local PV projects	1999	Contribution
GA	Georgia Electric Membership Corporation (35 of 42 coops offer program): Altamaha EMC, Amicalola EMC, Canoochee EMC, Carroll EMC, Central Georgia EMC, Cobb EMC, Coastal Electric, Colquitt EMC, Coweta-Fayette EMC, Diverse Power, Flint Energies, Grady EMC, GreyStone Power, Habersham EMC, Hart EMC, Irwin EMC, Jackson EMC, Jefferson Energy, Little Ocmulgee EMC, Middle Georgia EMC, Mitchell EMC, Ocmulgee EMC, Oconee EMC, Planters EMC, Rayle EMC, Sawnee EMC, Slash Pine EMC, Snapping Shoals EMC, Southern Rivers Energy, Sumter EMC, Tri- County EMC, Upson EMC, Walton EMC, Washington EMC, Washington EMC, Washington EMC,	Green Power EMC	landfill gas, PV in schools	2001	2.0¢/kWh-3.3¢/kWh
GA	<u>Georgia Power</u>	<u>Green Energy</u>	landfill gas, solar	2006	3.5¢/kWh
GA	TVA: Blue Ridge Mountain EMC, North Georgia EMC, Tri-State EMC	Green Power Switch	landfill gas, PV, wind	2000	2.67¢/kWh
HI	Hawaiian Electric	Sun Power for Schools	PV in schools	1997	Contribution
HI	Kauai Island Utility Cooperative	Green Rate	distributed renewable energy systems	TBD	TBD
ID	Avista Utilities	Buck-A-Block	wind, solar	2002	0.33¢/kWh
ID	<u>Idaho Power</u>	Green Power Program	wind	2001	1.067¢/kWh
ID	<u>PacifiCorp: Rocky</u> <u>Mountain Power</u>	Blue Sky	wind	2003	0.71¢/kWh-1.94¢/kWh

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ID	Vigilante Electric Cooperative	Alternative Renewable Energy Program	wind	2003	1.1¢/kWh
IL	City of Naperville / Community Energy	Renewable Energy Program	wind, PV	2005	2.5¢/kWh
IL	Dairyland Power Cooperative: Jo- Carroll Energy/Elizabeth	Evergreen Renewable Energy Program	landfill gas, biogas, hydro, wind	1997	1.5¢/kWh
ΙL	Wabash Valley Power Association (7 of 27 coops offer program): Boone REMC, Hendricks Power Cooperative, Kankakee Valley REMC, Miami-Cass REMC, Tipmont REMC, White County REMC, Northeastern REMC	<u>EnviroWatts</u>	wind, landfill gas	2000	0.9¢/kWh-1.0¢/kWh
IN	Duke Energy	GoGreen Power	wind, PV, landfill gas, digester gas	2001	2.5¢/kWh
IN	Hoosier Energy (6 of 17 coops offer program): Daviess-Martin County REMC, Decatur County REMC, Henry County REMC, South Central Indiana REMC, Utilities District of Western Indiana REMC	<u>EnviroWatts</u>	landfill gas	2001	2.0¢/kWh-4.0¢/kWh
IN	<u>Indianapolis Power</u> <u>& Light</u>	Green Power Option	wind	1998	0.15¢/kWh
IN	Northern Indiana Public Service Company	<u>Green Power Program</u>	100% wind	2013	0.2¢/kWh
IN	Wabash Valley Power Association (7 of 27 coops offer program): Boone REMC, Hendricks Power Cooperative, Kankakee Valley REMC, Miami-Cass REMC, Tipmont REMC, White County REMC, Northeastern REMC	<u>EnviroWatts</u>	wind, landfill gas	2000	0.9¢/kWh-1.0¢/kWh
IA	Alliant Energy	Second Nature	landfill gas, wind	2001	2.0¢/kWh
IA	Associated Electric Cooperative, Inc.: Access Energy Cooperative, Chariton Valley Electric Cooperative,	varies by utility	biomass, wind	2003	2.0¢/kWh-3.5¢/kWh

	Southern Iowa Electric Cooperative				
IA	Basin Electric Power Cooperative: Lyon Rural, Harrison County, Nishnabotna Valley Cooperative, Northwest Rural Electric Cooperative, Western Iowa	<u>Prairie Winds</u>	wind	2000	0.5¢/kWh
IA	Cedar Falls Utilities	Harvest the Wind	wind	2000	2.5¢/kWh
IA	Central Iowa Power Cooperatives (all 12 coops/1 muni): Maquoketa Valley Electric Cooperative, Eastern Iowa REC, East-Central Iowa REC, Linn County REC, Pella, TIP Rural Electric Cooperative, Clarke Electric Cooperative, Midland Power Cooperative, Guthrie County REC, Farmers Electric Cooperative, Southwest Iowa REC, Consumer Energy, South Iowa Municipal Electric Cooperative Association	Alternative Energy Contribution Program	wind	2006	2.0¢/kWh
IA	Corn Belt Power Cooperatives (5 of 11 coops offer program): Butler County REC, Franklin REC, Grundy County REC, Humboldt County REC, Sac County REC	Energy Wise Renewables	wind	2003	1.5¢/kWh
IA	Dairyland Power Cooperative: Allamakee- Clayton/Postville, Hawkeye Tri- County/Cresco, Heartland Power/Thompson & St. Ansgar	Evergreen Renewable Energy Program	hydro, wind, landfill gas, biogas	1998	3.0¢/kWh
IA	Farmers Electric Cooperative	<u>Green Power Project</u>	biodiesel, wind	2004	Contribution
IA	Iowa Association of Municipal Utilities (84 of 137 munis offer program)	<u>Green City Energy</u>	wind, biomass, PV	2003	Varies by utility

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Afton, Algona, Alta Vista, Aplinoton, Auburn, Bancroft, Bellevue, Bloomfield, Breda, Brooklyn, Buffalo, Burt, Callender, Carlisle, Cascade, Coggon, Coon Rapids, Corning, Corwith, Danville, Davton, Durant, Dysart, Earlville, Elidridge, Elisworth, Estherville, Fairbank, Farnhamville, Fontanelle, Forest City, Gowrie, Grafton, Grand Junction, Greenfield, Grundy Center, Guttenberg, Hopkinton, Hudson, Independence, Keosaugua, La Porte City, Lake Mills, Lake View, Laurens, Lenox, Livermore, Maguoketa, Marathon, McGregor, Milford, Montezuma, Mount Pleasant, Neola, New Hampton, Ogden, Orient, Osage, Panora, Peella, Pocahontas, Preston, Readlyn, Rockford, Sabula, Serecent Bluff, Sibley, Spencer, Stanhope, State Center, Stratford, Strawberry Point, Stuat, Tipton, Villisca, Vinton, Webster City, West Bend, West Liberty, West Point, WestField, Whittemore, Wilton, Winterset	
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Hartley, Hawarden,	kWh
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Remsen, Rock	kWh
Rapids, Sanborn,	kWh

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	Shelby, Sioux Center, Woodbine				
IA	Muscatine Power and Water	Green Muscatine	PV, wind, geothermal	2004	Contribution
IA	<u>Waverly Light &</u> <u>Power</u>	Green Power Choice	wind	2003	Contribution
IA	<u>Waverly Light &</u> <u>Power</u>	<u>Iowa Energy Tags</u>	wind	2001	2.0¢/kWh
KS	Westar Energy	Renewable Energy Program Rider	wind	2012	1.0¢/kWh
KY	Big Rivers Electric Corporation: Jackson Purchase Energy Corporation, Kenergy Corporation, Meade County Rural Electric Cooperative Corporation	Renewable Resources Energy (EnviroWatts)	100% biomass	2007	3.65¢/kWh
KY	E.ON U.S.: Louisville Gas and Electric Co., Kentucky Utilities Co.	Green Energy	biomass, low impact hydro, wind	2007	0.028¢/kWh
KY	East Kentucky Power Cooperative: Blue Grass Energy, Clark, Cumberland, Fleming-Mason, Grayson, Inter- County Energy, Jackson, Licking Valley, Nolin, Owen Electric, Salt River, Shelby, South Kentucky	<u>EnviroWatts</u>	landfill gas	2002	2.75¢/kWh
КҮ	TVA: Bowling Green Municipal Utilities, Franklin Electric Plant Board, Hopkinsville Electric System, Murray Electric System, Pennyrile Rural Electric Coop, Russellville Electric Plant Board, Tri- County Electric, Warren Rural Electric Coop	Green Power Switch	landfill gas, PV, wind	2000	2.67¢/kWh
LA	Entergy Gulf States	Green Pricing Program	biomass	2007	2.5¢/kWh
МА	Braintree Electric Light Department	BGreen	solar and wind	2009	2.0¢/kWh
МА	Concord Municipal Light Plant (CMLP)	<u>Green Power</u>	hydro	2004	3.0¢/kWh
MA	NSTAR	NSTAR Green	wind	2008	3.328¢/kWh-6.379¢/kWh
MA	Shrewsbury Electric and Cable Operations	SELCO Green Light	wind	2009	0.5¢/kWh
МА	Wellesley Municipal Light Plant	<u>Wellesley Renewable</u> <u>Energy</u>	wind	2009	4.0¢/kWh

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MI	Consumers Energy	<u>Green Generation</u>	75% wind, 25% biomass	2005	1.0¢/kWh
MI	DTE Energy	<u>GreenCurrents</u>	wind, biomass	2007	2.0¢/kWh-2.5¢/kWh
MI	<u>Lansing Board of</u> <u>Water and Light</u>	GreenWise Electric Power	landfill gas, small hydro	2001	3.0¢/kWh
MI	<u>Upper Peninsula</u> <u>Power Company</u>	<u>NatureWise</u>	wind, landfill gas and animal waste methane	2004	1.4¢/kWh
MI	Wabash Valley Power Association (7 of 27 coops offer program): Boone REMC, Hendricks Power Cooperative, Kankakee Valley REMC, Miami-Cass REMC, Tipmont REMC, White County REMC, Northeastern REMC	<u>EnviroWatts</u>	wind, landfill gas	2000	0.9¢/kWh-1.0¢/kWh
MI	We Energies	Energy for Tomorrow	wind, landfill gas, hydro, PV	2000	1.39¢/kWh
MN	Alliant Energy	Second Nature	landfill gas, wind	2002	2.0¢/kWh
MN	Basin Electric Power Cooperative: Minnesota Valley Electric Coop, Sioux Valley Southwestern	<u>Prairie Winds</u>	wind	2002	0.5¢/kWh
MN	Central Minnesota Municipal Power Agency: Blue Earth, Delano, Glencoe, Granite Falls, Janesville, Kenyon, Lake Crystal, Madelia, Mt. Lake, New Ulm, Sleepy Eye, Springfield, Truman, and Windom	<u>Green Energy Program</u>	wind, landfill gas	2000	1.5¢/kWh-2.5¢/kWh
MN	Dairyland Power Cooperative: Freeborn-Mower Cooperative / Albert Lea, People's / Rochester, Tri- County / Rushford	Evergreen Renewable Energy Program	hydro, wind, landfill gas, biogas	1998	1.5¢/kWh
MN	Great River Energy (all 28 coops offer program): Agralite, Arrowhead, BENCO Electric, Brown County Rural Electric, Connexus Energy, Co-op Light & Power, Crow Wing Power, Dakota Electric Association, East Central Electric Association, Federated Rural Electric, Goodhue	Wellspring Renewable Wind Energy Program	wind	1998	0.4¢/kWh

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MN MN	County, Itasca Mantrap Cooperative, Kandiyohi Power Cooperative, Lake Country Power, Lake Region Electric Cooperative, McLeod Cooperative Power, Meeker Cooperative Light & Power, Mille Lacs Electric Cooperative, Minnesota Valley, Nobles Cooperative Electric, North Itasca, Redwood Electric Cooperative, Runestone Electric, South Central Electric Association, Stearns Electric, Steele-Waseca, Todd-Wadena, Wright-Hennepin Electric Minnesota Power Minnkota Power Cooperative: Beltrami, Clearwater Polk, North Star, PKM, Red Lake, Red River, Roseau, Wild Rice; Northern Municipal Power Agency (10	WindSense Infinity Wind Energy	wind	2002 1999	2.5¢/kWh 0.5¢/kWh
MN	municipals) Missouri River Energy Services: Adrian, Alexandria, Barnesville, Benson, Breckenridge, Detroit Lakes, Elbow Lake, Henning, Jackson, Lakefield, Lake Park, Luverne, Madison, Moorhead, Ortonville, St. James, Sauk Centre, Staples, Wadena, Westbrook, Worthington	<u>RiverWinds</u>	wind	2002	2.0¢/kWh-2.5¢/kWh
MN	Moorhead Public Service	Capture the Wind	wind	1998	1.5¢/kWh
MN	Otter Tail Power Company	<u>TailWinds</u>	wind	2002	1.6¢/kWh
MN	Xcel Energy	<u>WindSource</u>	wind	2003	0.66¢/kWh
MS	TVA: 4-County Electric Power	Green Power Switch	landfill gas, PV, wind	2000	2.67¢/kWh

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	Association, Alcorn Electric Power Association, Central Electric Power Association, Columbus Light & Water, North East Mississippi Electric Power Association, Northcentral MS EPA, City of Okolona Electric Dept., City of Oxford Electric Dept., Starkville Electric System, Tallahatchie Valley EPA, Tippah Electric Power Association, Tishomingo County Electric Power Association, Tupelo Water & Light Department				
МО	Ameren Missouri	<u>Pure Power</u>	wind	2007	1.5¢/kWh
МО	Associated Electric Cooperative, Inc.: Black River Electric Cooperative, Boone Electric Cooperative, Callaway Electric Cooperative, Co-Mo Electric Cooperative, Crawford Electric Cooperative, Cuivre River Electric Cooperative, Howell-Oregon Electric Cooperative, Intercounty Electric Cooperative, Laclede Electric Cooperative, Laclede Electric Cooperative, Laclede Electric Cooperative, Lewis County Rural Electric Cooperative, Macon Electric Cooperative, White River Valley Electric Cooperative	varies by utility	biomass, wind	2003	2.0¢/kWh-3.5¢/kWh
МО	City Utilities of Springfield	<u>WindCurrent</u>	various	2000	1.4¢/kWh+\$2.25 mo.
МО	Wabash Valley Power Association (7 of 27 coops offer program): Boone REMC, Hendricks Power Cooperative, Kankakee Valley REMC, Miami-Cass REMC, Tipmont REMC, White	<u>EnviroWatts</u>	wind, landfill gas	2000	0.9¢/kWh-1.0¢/kWh

	County REMC, Northeastern REMC				
MT	Basin Electric Power Cooperative: Flathead Electric Coop, Lower Yellowstone, Powder River Energy	Prairie Winds	wind	2000	0.5¢/kWh
MT	Northwestern Energy	E+ Green	wind, PV	2003	2.0¢/kWh
MT	Park Electric Cooperative	Green Power Program	various renewables	2002	1.02¢/kWh
MT	Tri-State Generation & Transmission: Big Horn Rural Electric Company	Renewable Resource Power Service	wind, hydro	2001	0.8¢/kWh
MT	Vigilante Electric Cooperative	<u>Alternative Renewable</u> <u>Energy Program</u>	wind	2003	1.1¢/kWh
NE	Omaha Public Power District	<u>Green Power Program</u>	landfill gas, wind	2002	3.0¢/kWh
NE	Tri-State Generation & Transmission: Chimney Rock Public Power District, Highline Electric Association, Northwest Rural Public Power District	Renewable Resource Power Service	wind, hydro	2001	0.8¢/kWh
NV	Deseret Power: Mt. Wheeler Power Cooperative	<u>GreenWay</u>	various	2005	1.95¢/kWh
NV	NV Energy	NV Green Energy Rate	50% or 100% renewables	2013	varies quarterly
NV	NV Energy	<u>Desert Research</u> <u>Institute's GreenPower</u> <u>Program</u>	PV on schools	Unknown	Contribution
NM	El Paso Electric	Renewable Energy Tariff	wind	2003	2.28¢/kWh
NM	Los Alamos Department of Public Utilities	<u>Green Power</u>	wind	2005	1.8¢/kWh
NM	Navopache Electric Cooperative	Voluntary Renewable Energy Program	TBD	2008	4.0¢/kWh
NM	Public Service of New Mexico	PNM Sky Blue	wind	2003	0.042¢/kWh
NM	Tri-State Generation & Transmission: Central New Mexico Electric Cooperative, Inc., Columbus Electric Cooperative, Inc., Continental Divide Electric Cooperative, Inc., Jemez Mountains Electric Cooperative, Inc., Kit Carson Electric Cooperative, Inc., Mora-San Miguel Electric	Renewable Resource Power Service	wind, hydro	2001	0.4¢/kWh-2.5¢/kWh

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	Cooperative, Inc., Navopache Electric Cooperative, Northern Rio Arriba Electric Cooperative, Otero County Electric Cooperative, Inc., Sierra Electric Cooperative, Inc., Socorro Electric Cooperative, Inc., Southwestern Electric Cooperative, Inc., Springer Electric Cooperative, Inc.,				
NM NC	Xcel Energy Dominion North Carolina Power	WindSource NC GreenPower	wind biomass, hydro, landfill gas, PV, wind	1999 2003	4.61¢/kWh 2.5¢/kWh-4.0¢/kWh
NC	<u>Duke Energy</u>	NC GreenPower	biomass, hydro, landfill gas, PV, wind	2003	2.5¢/kWh-4.0¢/kWh
NC	ElectriCities: City of Albemarle, Town of Apex, City of Concord, Town of Cornelius, Fayetteville PWC, Town of Granite Falls, Greenville Utilities, City of High Point, Town of Huntersville, City of Laurinburg, City of Lexington, City of Lexington, City of Monroe, City of New Bern, City of Shelby, City of Statesville, Town of Washington, Town of Waynesville, City of Wilson-Wilson Energy		biomass, hydro, landfill gas, PV, wind		2.5¢/kWh-4.0¢/kWh
NC	Progress Energy / CP&L	NC GreenPower	biomass, hydro, landfill gas, PV, wind	2003	2.5¢/kWh-4.0¢/kWh
NC	TVA: Mountain Electric Cooperative	Green Power Switch	landfill gas, PV, wind	2000	2.67¢/kWh
ND	Basin Electric Power Cooperative: Burke Divide, Capital, Dakota Valley, KEM Electric Coop, Oliver Mercer Electric Coop, McKenzie Electric Coop, Montrail Williams, Mor-gran-sou Electric Coop, North	<u>PrairieWinds</u>	wind	2000	0.5¢/kWh

I	Central Electric	I	I	l	I
	Coop, Northern Plains, Slope Electric Coop, Verendrye, West				
ND	Minnkota Power Cooperative: Cass County Electric, Cavalier Rural Electric, Nodak	Infinity Wind Energy	wind	1999	0.3¢/kWh
	Electric; Northern Municipal Power Agency (2 municipals)				
ND	Missouri River Energy Services: City of Lakota	<u>RiverWinds</u>	wind	2002	2.0¢/kWh-2.5¢/kWh
ОН	American Municipal Power-Ohio / Green Mountain Energy: City of Bowling Green, Cuyahoga Falls, Westerville, Wyandotte, Yellow Springs	<u>Nature's Energy</u>	small hydro, landfill gas, wind	2003	1.3¢/kWh-1.5¢/kWh
ОН	Buckeye Power (Ohio Rural Electric Cooperatives)	<u>EnviroWatts</u>	wind, solar, bio- digesters, landfill gas	2006	2.0¢/kWh
ОН	<u>Dayton Power &</u> <u>Light</u>	Green Connect	various	2008	1.0¢/kWh
ОН	Duke Energy	GoGreen Power	wind, PV, landfill gas, digester gas	2001	2.5¢/kWh
ОН	FirstEnergy: Ohio Edison Company	Green Resource Program	various	2007	0.5¢/kWh
ОН	FirstEnergy: The Cleveland Electric Illuminating Company	Green Resource Program	various	2007	0.5¢/kWh
ОН	FirstEnergy: The Toledo Edison	Green Resource Program	various	2007	0.5¢/kWh
ОН	Wabash Valley Power Association (7 of 27 coops offer program): Boone REMC, Hendricks Power Cooperative, Kankakee Valley REMC, Miami-Cass REMC, Tipmont REMC, White County REMC, Northeastern REMC	<u>EnviroWatts</u>	wind, landfill gas	2000	0.9¢/kWh-1.0¢/kWh
OK	Associated Electric Cooperative, Inc.: Central Rural Electric Cooperative	varies by utility	biomass, wind	2003	2.0¢/kWh-3.5¢/kWh
ОК	OG&E Electric Services	OG&E Wind Power	wind	2003	0.86¢/kWh
ОК	Oklahoma Municipal Power Authority:	Pure & Simple	wind	2004	1.8¢/kWh (0.01¢/kWh Edmond)

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I	Tonkawa, Altus,	I	I	I	I
	Frederick, Okeene, Prague Municipal				
	Utilities and				
	Edmond Electric				
ОК	Public Service	<u>WindChoice</u>	100% wind	2011	1.72¢/kWh
	Company of Oklahoma				
ОК	Western Farmers	WindWorks	wind	2004	0.5¢/kWh
JUK	Electric Cooperative	<u>WindWorks</u>	Wind	2004	υ.5¢/κνντι
	(19 of 19 coops				
	offer program):				
	Alfalfa Electric Cooperative, Caddo				
	Electric				
	Cooperative,				
	<u>Canadian Valley</u> <u>Electric</u>				
	Cooperative,				
	Choctaw Electri				
	Cooperative, Cimmaron Electric				
	Cooperative, Cotton				
	<u>Electric</u>				
	Control Oklahoma				
	<u>Central Oklahoma</u> <u>Electric</u>				
	Cooperative,				
	Harmon Electric				
	Cooperative, Kay Electric				
	Cooperative,				
	Kiamichi Electric				
	Cooperative, Kiwash Electric				
	Cooperative,				
	Northfork Electric				
	Cooperative,				
	Northwestern Electric				
	Cooperative,				
	Oklahoma Electric				
	<u>Cooperative,</u> <u>People's Electric</u>				
	Cooperative, Red				
	River Valley Rural				
	Electric Cooperative, Rural				
	Electric				
	Cooperative,				
	<u>Southeastern</u> <u>Electric</u>				
	Cooperative,				
	Southwest Rural				
<u> </u>	Electric Cooperative		ļ		<u> </u>
OR	<u>City of Ashland /</u> Bonneville	Renewable Pioneers	PV, wind	2003	2.0¢/kWh
	Environmental				
	<u>Foundation</u>				
OR	Columbia River PUD		wind	2005	1.5¢/kWh
OR	Emerald People's	Choose Renewable	wind,	2003	1.2¢/kWh
	<u>Utility District/Green</u> <u>Mountain Energy</u>	<u>Electricity</u>	geothermal		
OR	ouncain Energy	EWEB Wind Power	wind	1999	0.91¢/kWh
1	I				

	Eugene Water & Electric Board				
OR	Eugene Water & Electric Board	EWEB Greenpower	various renewables	2007	1.0¢/kWh-1.5¢/kWh
OR	<u>Idaho Power</u>	Green Power Program	wind	2001	1.067¢/kWh
OR	Midstate Electric Cooperative	Environmentally-Preferred Power	wind	1999	2.5¢/kWh
OR	Oregon Trail Electric Cooperative) 	wind	2002	1.5¢/kWh
OR	PacifiCorp: Pacific Power	Blue Sky Block	wind	2000	1.95¢/kWh
OR	PacifiCorp: Pacific Power	Blue Sky QS (Commercial Only)	wind	2004	Sliding scale depending on size
OR	PacifiCorp: Pacific Power / 3Degrees	Blue Sky Usage	wind, biomass, PV	2002	1.2¢/kWh
OR	Pacific Northwest Generating Cooperative: Blachly-Lane Electric Cooperative, Central Electric Cooperative, Clearwater Power, Consumers Power, Coos-Curry Electric Cooperative, Douglas Electric Cooperative, Fall River Rural Electric Cooperative, Lost River Electric Cooperative, Raft River Rural Electric Cooperative, West Oregon Electric Cooperative, West Oregon Electric Cooperative, (11 of 15 coops offer program)	Green Power	landfill gas	1998	1.8¢/kWh-2.0¢/kWh
OR	Portland General Electric / Green Mountain Energy Company	Clean Wind for Medium to Large Commercial & Industrial Accounts	wind	2002	Price depends on level of support
OR	Portland General Electric / Green Mountain Energy Company	<u>Clean Wind</u>	wind	2002	1.75¢/kWh
OR	Portland General Electric / Green Mountain Energy Company	<u>Green Source</u>	wind, landfill gas, low-impact hydro	2002	1.2¢/kWh
OR	Springfield Utility Board	<u>ECOchoice</u>	various	2007	1.0¢/kWh
SC	<u>Duke Energy</u> <u>Carolinas</u>	Palmetto Clean Energy (PaCE)	wind, solar, landfill gas	2008	4.0¢/kWh
SC	Progress Energy Carolinas	Palmetto Clean Energy (PaCE)	wind, solar, landfill gas	2008	4.0¢/kWh
SC	SCE&G	Palmetto Clean Energy (PaCE)	wind, solar, landfill gas	2008	4.0¢/kWh

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SC	Santee Cooper:	<u>Green Power Program</u>	landfill gas,	2001	3.0¢/kWh
	Aiken Electric Cooperative,		wind, solar		
	Berkeley Electric Cooperative, Blue				
	Ridge Electric,				
	Coastal Electric Cooperative, Edisto				
	Electric				
	<u>Cooperative,</u> <u>Fairfield Electric</u>				
	Cooperative, Horry Electric				
	Cooperative,				
	<u>Laurens Electric</u> <u>Cooperative,</u>				
	Lynches River				
	Electric Cooperative,				
	Marlboro Electric Cooperative, Mid-				
	Carolina Electric				
	Cooperative, Palmetto Electric				
	Cooperative, Pee				
	<u>Dee Electric</u> <u>Cooperative, Santee</u>				
	Electric Cooperative, Tri-				
	County Electric				
	Cooperative, York Electric Cooperative				
SD	Basin Electric Power	<u>Prairie Winds</u>	wind	2000	0.5¢/kWh
	<u>Cooperative: Bon</u> <u>Homme-Yankton</u>				
	Electric Assn.,				
	<u>Central Electric</u> <u>Cooperative</u>				
	Association, Charles Mix Electric				
	Association, City of				
	Elk Point, Clay- Union Electric				
	Corporation, Codington-Clark				
	Electric				
	Cooperative, Dakota Energy Cooperative,				
	Douglas Electric				
	Cooperative, FEM Electric Association,				
	H-D Electric Cooperative,				
	Kingsbury Electric				
	Cooperative, Lyon- Lincoln Electric				
	Cooperative,				
	McCook Electric Cooperative,				
	Northern Electric Cooperative, Oahe				
	Electric				
	Cooperative, Renville-Sibley				
	Coop. Power Assn., Sioux Valley				

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	Southwestern Electric Coop, Southeastern Electric Coop, Union County Electric Cooperative, Whetstone Valley Electric Cooperative, Black Hills Electric Coop, LaCreek Electric Coop, West River Power Association, Butte Electric Coop, Cherry Todd Electric Coop, Moreau Grand, Grand Electric Cooperative, Rosebud				
SD	Missouri River Energy Services: City of Vermillion	<u>RiverWinds</u>	wind	2002	2.0¢/kWh-2.5¢/kWh
SD	Tri-State Generation & Transmission: Niobrara Electric Association, Inc.	Renewable Resource Power Service	wind, hydro	2001	0.8¢/kWh
TN	TVA: Alcoa Electric Department, Appalachian Electric Cooperative, Athens Utility Board, Bristol Tennessee Electric System, Brownsville Utility Department, Caney Fork Electric Cooperative, Chickasaw Electric Cooperative, Clarksville Department of Electricity, Cleveland Utilities, Clinton Utilities Board, Columbia Power & Water Systems, Cookeville Electric Department, Covington Electric System, Cumberland Electric Membership Corporation, Dickson Electric Department, Duck River Electric Membership Corporation, Dyersberg Electric System, City of Elizabethton Electric System, EPB (Chattanooga), Erwin Utilities,	Green Power Switch	landfill gas, PV, wind	2000	2.67¢/kWh

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Etowah Utilities,		I	I	I	
Fayetteville Public	I				
	I				
Utilities, Fort	I				
<u>Loudon Electric</u>	I				
Cooperative,	I				
Gallatin Department	I				
of Electricity,	I				
Gibson Electric	I				
	I				
<u>Membership</u>	I				
Corporation,	I				
<u>Greeneville Light</u>	I				
and Power System,	I				
Harriman Utility	I				
	I				
Board, Holston	I				
<u>Electric</u>	I				
Cooperative,	I				
Jackson Energy	I				
Authority, Jellico	I				
Electric & Water,	I				
	I				
Johnson City Power	I				
Board, Knoxville	I		I		
<u>Utilities Board,</u>	I		I		
Lafollette Utilities	I		I		
Board,	I				
<u>Lawrenceburg</u>	I		I		
Power System,	I				
	I				
Lenoir City Utilities	I				
Board, Lexington	I				
Electric System,	I				
Loudon Utilities,	I				
City of Maryville	I				
<u>Electric</u>	I				
	I				
Department,	I				
McMinnville Electric	I				
System, Memphis	I				
Light Gas & Water,	I				
Meriwhether Lewis	I				
Electric	I				
Cooperative, Middle	I				
	I				
Tennessee Electric	I				
<u>Membership</u>	I				
Corporation, Milan	I				
Department of	I				
Public Utilities,	I				
Morristown Power	I				
	I				
System, Mountain	I				
<u>Electric</u>	I				
Cooperative,	I				
Murfreesboro	I		I		
<u>Electric</u>	I		I		
	I		I		
Department,	I		I		
Nashville Electric	I		I		
Service, Newport	I		I		
Utilities, Oak Ridge	I				
Electric	I		I		
Department, Paris	I				
Board of Public	I				
	I		I		
<u>Utilities, Pickwick</u>	I		I		
<u>Electric</u>	I		I		
Cooperative,	I				
Plateau Electric	I		I		
Cooperative, Powell	I		I		
	I		I		
Valley Electric	I		I		
Cooperative, Pulaski	I		I		
Electric System,	I		I		
Rockwood Electric	I		I		
Utility, Sequachee	I		I	ĺ	
	i	I	1		

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	Valley Electric				
	Cooperative, Sevier County Electric System, Shelbyville Power System, Smithville Electric System, Somerville				
	Utility Department, Southwest Tennessee Electric				
	Membership Corporation, Springfield				
	Department of Electricity, Sweetwater Utilities				
	Board, Tennessee Valley EC, Tri- County Electric, Tullahoma Utilities				
	Board, Union City Electric System, Upper Cumberland Electric Membership Corporation,				
	Volunteer Energy Cooperative, Weakley County Municipal Electric System, Winchester Utilities				
TX	Austin Energy (City of Austin)	<u>GreenChoice</u>	wind	2000/1997	2.1¢/kWh
TX	College Station Utilities	Wind Watts (10%/50%/100%)	new wind	2009	TBD
TX	El Paso Electric Company	Renewable Energy Tariff	wind	2001	1.92¢/kWh
TX	Pedernales Electric Cooperative	<u>Renewable Power</u>	wind, hydro	2006	0.5¢/kWh
UT	City of St. George	<u>Clean Green Power</u>	wind, small hydro	2005	2.95¢/kWh
UT	<u>Deseret Power</u>	<u>GreenWay</u>	various	2004	1.95¢/kWh
UT	PacifiCorp: Rocky Mountain Power	<u>Blue Sky</u>	wind	2003	0.71¢/kWh-1.94¢/kWh
UT	PacifiCorp: Utah Power	<u>Blue Sky</u>	wind	2000	1.95¢/kWh
UT	Tri-State Generation & Transmission: Empire Electric Association, Inc.	Renewable Resource Power Service	wind, hydro	2001	0.8¢/kWh
VT	Green Mountain Power	<u>Cow Power</u>	biogas	2004	4.0¢/kWh
VA	AEP Appalachian Power	Green Pricing Option	low impact hydro	2009	1.5¢/kWh
VA	<u>Dominion Virginia</u> <u>Power / 3Degrees</u>	<u>Dominion Green Power</u>	biomass, wind, landfill gas, solar	2009	1.3¢/kWh
WA	Avista Utilities	Buck-A-Block	wind, solar	2002	0.33¢/kWh
WA	Benton County Public Utility District	<u>Green Power Program</u>	landfill gas, wind, hydro	1999	Contribution
WA	Chelan County PUD			2001	Contribution

		Sustainable Natural Alternative Power (SNAP)	PV, wind, micro hydro		
WA	Clallam County PUD	Clallam County PUD Green Power Program	landfill gas	2001	0.69¢/kWh
WA	Clark Public Utilities	Green Lights	PV, wind	2002	1.5¢/kWh
WA	Cowlitz PUD	Renewable Resource Energy	wind, PV	2002	2.0¢/kWh
WA	Grant County PUD	Alternative Energy Resources Program	wind	2002	2.0¢/kWh
WA	Grays Harbor PUD	<u>Green Power</u>	wind	2002	3.0¢/kWh
WA	Lewis County PUD	Green Power Energy Rate	wind	2003	2.0¢/kWh
WA	Mason County PUD No. 3	<u>Mason Evergreen Power</u>	wind	2003	1.0¢/kWh
WA	Northen Wasco County PUD	<u>Pure Power</u>	wind	2007	2.5¢/kWh
WA	Orcas Power & Light	<u>Go Green</u>	wind, hydro	1999	3.5¢/kWh
WA	PacifiCorp: Pacific Power	Blue Sky Block	wind	2000	1.95¢/kWh
WA	Pacific County PUD	<u>Green Power</u>	landfill gas	2002	1.05¢/kWh
WA	<u>Peninsula Light</u>	Green by Choice	wind, hydro, biogas	2002	2.0¢/kWh
WA	Puget Sound Energy	<u>Green Power Program</u>	wind, hydro, biogas, solar	2002	1.25¢/kWh
WA	<u>Seattle City Light</u>	Green Up	geothermal, biomass, wind, hydro	2005	1.5¢/kWh
WA	Seattle City Light	Seattle Green Power	PV, biogas	2002	Contribution
WA	Snohomish County Public Utility District	<u>Planet Power</u>	wind	2002	2.0¢/kWh
WA	Tacoma Power	EverGreen Options	wind	2000	1.2¢/kWh
WV	AEP Appalachian Power	Green Pricing Option	wind and hydro	2008	1.5¢/kWh
WV	AEP Wheeling Power	Green Pricing Option	wind and hydro	2008	2.0¢/kWh
WI	Alliant Energy	<u>Second Nature</u>	wind, landfill gas	2000	2.0¢/kWh
WI	Dairyland Power Cooperative: Barron Electric, Bayfield/ Iron River, Chippewa / Cornell Valley, Clark / Greenwood, Dunn / Menomonie, Eau Claire / Fall Creek, Jackson / Black River Falls, Jump River / Ladysmith, Oakdale, Pierce- Pepin / Ellsworth, Polk-Burnett / Centuria, Price / Phillips, Richland, Riverland / Arcadia, St. Croix / Baldwin, Scenic Rivers / Lancaster, Taylor / Medford, Vernon / Westby	Evergreen Renewable Energy Program	hydro, wind, landfill gas, biogas	1998	1.5¢/kWh

WI	Great River Energy: Head of the Lakes	Wellspring Renewable Wind Energy Program	wind	1997	0.4¢/kWh
WI	Madison Gas and Electric	Green Power Tomorrow	wind solar	1999	4.0¢/kWh
WI	WPPI Energy (34 of 37 munis offer program): Algoma, Cedarburg, Florence, Kaukauna, Muscoda, Stoughton, Reedsburg, Oconomowoc, Waterloo, Whitehall, Columbus, Hartford, Lake Mills, New Holstein, Richland Center, Boscobel, Cuba City, Hustisford, Sturgeon Bay, Waunakee, Lodi, New London, Plymouth, River Falls, Sun Prairie, Waupun, Eagle River, Jefferson, Menasha, New Richmond, Prairie du Sac, Slinger, Two Rivers, Westby	Renewable Energy Program	small hydro, wind, biogas	2001	1.0¢/kWh
WI	We Energies	Energy for Tomorrow	landfill gas, PV, hydro, wind	1996	1.39¢/kWh
WI	Wisconsin Public Service	Solar Wise for Schools	PV in schools	1996	Contribution
WI	Wisconsin Public Service	<u>NatureWise</u>	wind, landfill gas, biogas	2002	1.25¢/kWh
WY	Basin Electric Power Cooperative: Powder River Energy	<u>Prairie Winds</u>	wind	2000	0.5¢/kWh
WY	Cheyenne Light, Fuel and Power Company/Bonneville Environmental Foundation	<u>Renewable Premium</u> <u>Program</u>	99% new wind, 1% new solar	2006	3.5¢/kWh
WY	Lower Valley Energy	<u>Green Power</u>	wind	2003	1.167¢/kWh
WY	PacifiCorp: Pacific Power	Blue Sky	wind	2000	1.95¢/kWh
WY	Tri-State Generation & Transmission: Carbon Power & Light, Inc.	Power Service	wind, hydro	2001	0.8¢/kWh
WY	Yampa Valley Electric Association	<u>Wind Energy Program</u>	wind	1999	0.6¢/kWh

Source: National Renewable Energy Laboratory, Golden, Colorado.

Notes: Utility green pricing programs may only be available to customers located in the utility's service territory.

Not finding the program you were looking for? Please refer to the state-based product tables in the <u>Can I Buy Green Power in My State?</u> website.

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Content Last Updated: 07/02/2014

INDIANA MICHIGAN POWER COMPANY

Sales of Renewable Energy Under Voluntary Tariffs <u>During Calendar Year 2013 For the Top 10 Utilities By Volume</u>

		Green Program		
Line	Utility	Sales (MWh)	Total Sales (MWh)	Penetration Rate
		(1)	(2)	(3)
1	Portland General Electric	1,049,981	21,226,863	4.9%
2	Austin Energy	863,956	13,180,530	6.6%
3	PacifiCorp	634,092	65,869,008	1.0%
4	Sacramento Municipal Utility District	423,724	13,372,736	3.2%
5	Xcel Energy (CO,MI,MN,NM,WI)	388,157	105,779,867	0.4%
6	Puget Sound Energy	380,155	26,265,216	1.4%
7	Connecticut Light & Power/ United Illuminating	273,658	28,722,372	1.0%
8	CPS Energy	205,713	30,004,467	0.7%
9	Tennessee Valley Authority*	199,067	161,755,657	0.1%
10	Oklahoma Gas & Electric Company	189,462	28,578,159	0.7%
11	Average Penetration Rate			2.0%

Source: (1) US Department of Energy - Energy Efficiency and Renewable Energy http://apps3.eere.energy.gov/greenpower/markets/pricing.shtml?page=3.

- (2) SNL Financial, Total Sales of Electricty.

 * FERC Form 714
- (3) Column (1) ÷ Column 2.

INDIANA MICHIGAN POWER COMPANY Estimated Revenues Under a Revised Green Energy Rider Including Both Wind and Solar RECs

	Assume Green Energy Rider Sales Penetration	I&M Indiana Green Energy Sales	Revenues Based on Price Premium of (in ¢ per kWh)				
Line	Rate of:	(kWh)	0.50¢	<u>1.00¢</u>	<u>1.50¢</u>	2.00¢	
		(1)	(2)	(3)	(4)	(5)	
1	0.50%	60,899,564	\$304,498	\$608,996	\$913,493	\$1,217,991	
2	1.00%	121,799,128	\$608,996	\$1,217,991	\$1,826,987	\$2,435,983	
3	1.50%	182,698,692	\$913,493	\$1,826,987	\$2,740,480	\$3,653,974	
4	2.00%	243,598,256	\$1,217,991	\$2,435,983	\$3,653,974	\$4,871,965	