



Vectren Corporation

One Vectren Square

Evansville, IN 47708

30-Day Filing No. 2525

March 5, 2009

RECEIVED: March 5, 2009
Indiana Utility Regulatory Commission

Brenda A. Howe
Secretary to the Commission
Indiana Utility Regulatory Commission
101 W. Washington Street, Suite 1500 East
Indianapolis, IN 46204

RE: SIGECO 30-Day Filing for Rate CSP

Dear Ms. Howe:

This filing is being made on behalf of Southern Indiana Gas and Electric Company d/b/a Vectren Energy Delivery of Indiana, Inc. ("Company") under the Commission's final Thirty-Day Administrative Filing Procedures and Guidelines ("Guidelines") in compliance with Commission's Rules and Regulations with respect to Cogeneration and Alternative Energy Production Facilities. Enclosed is the tariff sheet covering rates for purchase of energy and capacity as required by 179 IAC 4-4.1-8, 170 IAC 4-4.1-9, and 170 IAC 4-4.1-10, and the supporting data for the rates and rate filing as required by 170 IAC 4-4.1-4. Please return one (1) file marked copy to me.

The Company's filing is an allowable filing under 170 IAC 1-6-3 because the proposal is a filing for which the Commission has already approved or accepted the procedure for the change.

Proof of Publication of the legal notice for this filing will be provided when such proof is received from the *Evansville Courier & Press*, a newspaper of general circulation in Vanderburgh County that has a circulation encompassing the highest number of the Company's customers affected by the filing. The legal notice was presented to the newspaper on February 20, 2009 for publication on February 25, 2009. On March 4, 2009, the Company received

notice from the *Evansville Courier & Press* that due to their error the notice was never published. The Company also affirms that the notice has been posted on its website. The

Company does not have a local customer service office in which to post the notice

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Any questions concerning this submission should be directed to Scott E. Albertson by using the following contact information:

Scott E. Albertson
Director of Regulatory Affairs
One Vectren Square
211 N.W. Riverside Drive
Evansville, IN 47708
Tel.: 812.491.4682
Fax: 812.491.4138
Email: salbertson@vectren.com

Please let me know if the Commission Staff has any questions or concerns about this submission.

Sincerely,



M. Jerry Schapker
Senior Rate Analyst

Enclosures

cc: A. David Stippler

Indiana Office of Utility Consumer Counselor (w/ encl.)

RATE CSP
COGENERATION AND SMALL POWER PRODUCTION

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Capacity Component

There shall be demand credit paid to qualifying facilities who can enter into a contract with Company to provide firm capacity for specified term. Capacity payments are expressed on a dollars per Kilowatt per month basis in Table 1 of this schedule.

The monthly capacity payment shall be adjusted by the following factor:

$$F = \frac{E_p}{(K)(T_p)}$$

Where:

F = Capacity payment adjustment factor

E_p = Kilowatt-hours delivered to Company by the qualifying facility during the peak period defined as the hours of 6:00 a.m. to 10:00 p.m. during weekdays, excluding holidays.

K = Kilowatts of capacity the qualifying facility contracts to provide.

T_p = Number of hours in the peak period.

Company and a qualifying facility may negotiate a rate for energy or capacity which differs from the filed Rate CSP.

Table 1

ENERGY PAYMENT TO A QUALIFYING FACILITY⁽¹⁾

Annual On-Peak	=	\$0.04646/kWh
Annual Off-Peak	=	\$0.03389/kWh

CAPACITY PAYMENT TO A QUALIFYING FACILITY

\$5.74 per kW Per Month

⁽¹⁾ On-Peak hours = 6 am – 10 pm, weekdays

Off-Peak hours = All other hours, including weekends and designated holidays

RATE CSP
COGENERATION AND SMALL POWER PRODUCTION

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Table 1

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Annual On-Peak	=	\$0.04646/kWh
Annual Off-Peak	=	\$0.03389/kWh

Deleted: 5448
 Deleted: 2796

CAPACITY PAYMENT TO A QUALIFYING FACILITY

\$5.74 per kW Per Month

Deleted: 9.20

⁽¹⁾ On-Peak hours = 6 am – 10 pm, weekdays
 Off-Peak hours = All other hours, including weekends and designated holidays

Effective:

SOUTHERN INDIANA GAS & ELECTRIC COMPANY

CALCULATION OF PRESENT VALUE OF CARRYING CHARGES YEAR 2009

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Formulas:

Carrying Charge = cc,
 $cc = r + d + I + P + T$, where
 T = Income Tax, and
 $T = (t/l - t) (r + d - D) (r - bL) / r$

Inputs:

r	=	Cost of Capital	=	8.61%
d	=	Sinking fund depreciation rate [(r) / ((1 + r) ⁿ - 1)]	=	0.79%
n	=	Service life (years)	=	30
I	=	Insurance cost rate (\$1,193,375 / \$1,906,125,028)	=	0.06%
P	=	Property tax rate (\$8,055,311 / \$1,906,125,028)	=	0.42%
D	=	Book depreciation rate (30 year life - per EPRI "TAG")	=	3.33%
t	=	Income tax rate (composite) (35% Federal, 8.5% State)	=	40.525%
b	=	Debt interest cost rate	=	6.14%
L	=	Debt capital structure ratio	=	41.90%

Carrying Charge

T	=	2.90%
cc	=	8.61% + 0.79% + 0.06% + 0.42% + 2.90% = 12.78%

SOUTHERN INDIANA GAS & ELECTRIC COMPANY

CALCULATION OF COGENERATION RATE FOR PURCHASE OF CAPACITY YEAR 2009
 RECEIVED: March 5, 2009
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Formula per 170 IAC 4-4.1-9:

$$C = \frac{1}{12} \left[DV \left[\frac{1 - \frac{1+ip}{1+r}}{1 - \left(\frac{1+ip}{1+r}\right)^n} \right] (1+ip)^{t-1} + O \left(\frac{1+io}{1+r} \right) (1+io)^{t-1} \right] \div \left(1 - \frac{L}{2} \right)$$

$$Ca = C \left(\left((1+ip) \div (1+r) \right)^{(Yi-Yc)} \right)$$

Inputs:

- D = $\frac{(cc) (1+r)^n - 1}{(r) (1+r)^n} = (cc) * 10.6937 = 1.3667$
- cc = 12.78% (See Carrying Charge calculation)
- V = \$817/ kW (See Capacity Capital Cost)
- ip = 2.9% (Growth Rate in Handy Whitman Cost Index for Gas Turbogenerators)
- io = 2.5% (Growth Rate in Producer Price Index for Finished Goods)
- r = 8.61% (See Cost of New Capital)
- O = \$10.94 / kW (Estimated Operating Cost for 2013)
- L = 4.54% (2007 FERC Form 1 data)
(337,995 / 7,438,245)
- t = 1
- n = 30 years (EPRI - TAG 1993)

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Yi = 2013 (In service date of turbine)

Yc = 2009 (Current Year)

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Rate:

C = Unadjusted Capacity Payment = **\$7.12** per kW per month for year 2013

Ca = Adjusted Capacity Payment = **\$5.74** per kW per month for year 2009

SOUTHERN INDIANA GAS & ELECTRIC COMPANY

ESTIMATED CAPACITY CAPITAL COST RECEIVED: March 5, 2009
YEAR 2009 Indiana Utility Regulatory Commission

Basis of Cost

Based on SIGECO generic 160 Mw simple cycle turbine.

Capacity Cost

Cost per kW (2013 \$) = \$817/kW

SOUTHERN INDIANA GAS & ELECTRIC COMPANY

CALCULATIONS OF COGENERATION RATE RECEIVED: March 5, 2009
 FOR PURCHASE OF ENERGY Indiana Utility Regulatory Commission
 YEAR 2009

Basis of Calculation:

The system's energy cost was derived utilizing a production cost simulation model for the estimated 2009 system loads. NewEnergy Strategist dispatches the system on a monthly basis using load duration curves derived from a typical historical year of hourly loads. The avoided values, which reflect a small load change, are used in this calculation.

Energy Rate:Values from dispatch model:

Annual On-Peak avoided cost ⁽¹⁾	=	4.541 ¢/kWh
Annual Off-Peak avoided cost	=	3.312 ¢/kWh

Adjustment for losses ⁽²⁾

$\frac{1}{(1 - (0.0454/2))}$	=	1.02323
------------------------------	---	---------

Adjusted Energy Rates

Annual On-Peak avoided cost	=	4.646 ¢/kWh
Annual Off-Peak avoided cost	=	3.389 ¢/kWh

Notes:

- ⁽¹⁾ On-Peak hours = 6 am – 10 pm, weekdays
 Off-Peak hours = All other hours, including weekends and designated holidays
- ⁽²⁾ Energy losses from 2007 FERC Form 1, page 401a.

SOUTHERN INDIANA GAS & ELECTRIC COMPANY

CALCULATION OF COST OF NEW CAPITAL RECEIVED: March 5, 2009
 YEAR 2009 Indiana Utility Regulatory Commission

<u>Item</u>	<u>Capital Structure</u> ⁽¹⁾	<u>Cost Rate</u> ⁽¹⁾	<u>Composite Cost</u>
Debt	41.90%	6.14%	2.57%
Preferred Stock	0.00%	0.00%	0.00%
Common Equity	<u>58.10%</u>	10.40%	<u>6.04%</u>
	100.00%		8.61%

Notes: (1) Capital structure and cost rates as of December 31, 2008 - SIGECO 2008 FERC Form 2, page 218a. Common equity cost rate from Order in Cause No. 43111, page 16.

Southern Indiana Gas & Electric Company

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**Weighted
Cost of Capital
Year 2009**

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Item	Capital Structure	Cost Rate	Composite Cost	
Debt	41.90%	6.14%	2.57%	Per SIGECO 2008 FERC Form 2, p 218a
Preferred Stock	0.00%	0.00%	0.00%	Per SIGECO 2008 FERC Form 2, p 218a
Common Equity	<u>58.10%</u>	10.40%	<u>6.04%</u>	Per SIGECO 2008 FERC Form 2, p 218a
	100.00%		8.61%	

r	=	Cost of capital	8.61%
d	=	Sinking fund depreciation rate [(r) / ((1+r)^n - 1)]	0.79%
n	=	Service life (years)	30
I	=	Insurance cost rate (\$1193375/\$1906125028)	0.06% FERC 1 page 323, line 156 / page 200, line 13
P	=	Property tax rate (\$8055311/\$1906125028)	0.42% FERC 1 page 263, line 10 / page 200, line 13
D	=	Book depreciation rate (30 year life - per EPRI "TAG")	3.33%
t	=	Income tax rate (composite) (35% Federal, 8.5% State)	40.525% Check with Jason Humphrey
b	=	Debt interest cost rate	6.14%
L	=	Debt capital structure ratio	41.90%

Carrying Charge

T	=	2.90%
cc	=	12.78%

Southern Indiana Gas & Electric Company

Calculation of Cogeneration Rate
For Purchase of Capacity
Year 2009

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C	=	Unadjusted monthly capacity payment per-kilowatt of contracted capacity year of completion of unit.	7.12	Unadjusted Capacity Rate
Ca	=	$C * (((1 + Ip)/(1 + r))^{(Yi-Yc)})$	5.74	Adjusted Capacity Rate
D	=	Present value of carrying charges for one dollar of investment over n years with carrying charges assumed to be paid at end of each year. $(1+r)^{(n-1)}/r(1+r)^n$	(cc)* 10.6937 =	1.3667
cc			12.78%	
V	=	Investment amount in year of completion, including allowance for funds used during construction, of the avoidable or deferrable unit, stated on a per-kilowatt basis and including rated share of common costs.	817	Burns & McDonnell Engineering Study p1-3 col 1x7 inflated to 2013 level
n	=	Expected life of the avoidable or deferrable unit.	30	
ip	=	Annual escalation rate associated with the avoidable or deferrable unit.	2.9%	From Handy Whitman
io	=	Annual escalation rate associated with the operation and maintenance expenses, less fuel and fuel-related expenses, of the avoidable or deferrable unit.	2.5%	From Producer Price Index
r	=	Purchasing utility's after tax cost of capital.	8.61%	
O	=	Expected total fixed and variable yearly operating and maintenance expenses, less fuel and fuel-related expenses, in expected first year of avoidable or deferrable unit's operation stated on a per-kilowatt basis	10.94	2009 cost from Dirk Ensley - Fixed and Variable O&M 2009 cost inflated to 2013 using 1.016/yr
L	=	Line losses, expressed as a percentage, for the previous year. (337995/7438245)	4.54%	page 401a, line 27/ line 28
t	=	Contract term in years, with t = 1 to t.	1	
Yi	=	In service date of the avoidable or deferrable unit	2013	
Yc	=	Current Year	2009	

**Southern Indiana Gas & Electric Company
Compound Growth Rate of
Handy-Whitman Cost Index for Gas Turbogenerators**

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Year	Year Index	Handy-Whitman Index	Annual Growth Rate	y = Year Index	x = LN (H-W Index)
1996	1	363.00		1	5.89440
1997	2	373.00	0.027548	2	5.92158
1998	3	385.00	0.032172	3	5.95324
1999	4	399.00	0.036364	4	5.98896
2000	5	410.00	0.027569	5	6.01616
2001	6	402.00	-0.01951	6	5.99645
2002	7	418.00	0.039801	7	6.03548
2003	8	437.00	0.045455	8	6.07993
2004	9	428.00	-0.02059	9	6.05912
2005	10	420.00	-0.01869	10	6.04025
2006	11	435.00	0.035714	11	6.07535
2007	12	511.00	0.174713	12	6.23637
2008	13	581.00	0.136986	13	6.36475

Log-Linear Growth 0.02861

Compound Growth Rate (Exponential of Log-Linear Growth) 0.02903

**Southern Indiana Gas & Electric Company
Compound Growth Rate of
Producer Price Index**

Year	Year Index	Producer Price Finished Goods Index	Annual Growth Rate	y = Year Index	x = LN (H-W Index)
1996	1	131.30		1	4.87748
1997	2	131.80	0.003808	2	4.88129
1998	3	130.70	-0.00835	3	4.87290
1999	4	133.00	0.017598	4	4.89035
2000	5	138.00	0.037594	5	4.92725
2001	6	140.70	0.019565	6	4.94663
2002	7	138.90	-0.01279	7	4.93375
2003	8	143.30	0.031677	8	4.96494
2004	9	148.50	0.036288	9	5.00058
2005	10	155.70	0.048485	10	5.04793
2006	11	160.40	0.030186	11	5.07767
2007	12	166.60	0.038653	12	5.11560
2008	13	177.10	0.063025	13	5.17671

Log-Linear Growth 0.02431

Compound Growth Rate (Exponential of Log-Linear Growth) 0.02460

Updated Technology Assessment (04/07/2008)
160

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Capability, MW (nominal)

Fixed O&M, \$/kW-yr 6.37
\$/yr 1,019,200

Variable O&M, \$/MWh 1.38
Capacity Factor 3%
\$/yr 58,026

Major Maintenance
\$/start 14,350
\$/run hour 610
estimated starts 30
estimated average run time 6
estimated run hours 180
\$/yr 540,300

Total O&M, \$/kW	10.11
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Capital Cost Estimate (2008 \$)

\$/kW (Per Burns & McDonnell, p. 1-3)	755
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Total O & M \$/kW 2009 \$	10.27	1.016 inflation factor
2010 \$	10.43	Factor of 1.016 for inflation Per EIA
2011 \$	10.60	Annual Energy Outlook, Table A20
2012 \$	10.77	
2013 \$	10.94	

capital cost estimate 2009	767	2008 cost inflated by 1.016
2010	779	
2011	791	
2012	804	
2013	817 = V	

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Name of Respondent Southern Indiana Gas and Electric Company		This Report Is: (1) <input type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission		Date of Report (Mo, Da, Yr) 11		Year/Period of Report End of 2007/Q4	
ELECTRIC ENERGY ACCOUNT							
Report below the information called for concerning the disposition of electric energy generated, purchased, exchanged and wasted during the year.							
Line No.	Item (a)	MegaWatt Hours (b)	Line No.	Item (a)	MegaWatt Hours (b)		
1	SOURCES OF ENERGY		21	DISPOSITION OF ENERGY			
2	Generation (Excluding Station Use):		22	Sales to Ultimate Consumers (Including Interdepartmental Sales)	5,550,704		
3	Steam	6,821,952	23	Requirements Sales for Resale (See instruction 4, page 311.)	616,178		
4	Nuclear		24	Non-Requirements Sales for Resale (See instruction 4, page 311.)	921,321		
5	Hydro-Conventional		25	Energy Furnished Without Charge			
6	Hydro-Pumped Storage		26	Energy Used by the Company (Electric Dept Only, Excluding Station Use)	12,047		
7	Other	51,406	27	Total Energy Losses	337,995		
8	Less Energy for Pumping		28	TOTAL (Enter Total of Lines 22 Through 27) (MUST EQUAL LINE 20)	7,438,245		
9	Net Generation (Enter Total of lines 3 through 8)	6,873,358					
10	Purchases	416,239					
11	Power Exchanges:						
12	Received	2,044,152					
13	Delivered	1,895,504					
14	Net Exchanges (Line 12 minus line 13)	148,648					
15	Transmission For Other (Wheeling)						
16	Received						
17	Delivered						
18	Net Transmission for Other (Line 16 minus line 17)						
19	Transmission By Others Losses						
20	TOTAL (Enter Total of lines 9, 10, 14, 18 and 19)	7,438,245					

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FERC Form 1 2007 401a

losses 4.54% % of requirements

2009 Energy Rate Calculation

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month	Data	
	Average of onpk	Average of offpk
3	48.98	32.81
4	46.68	32.27
5	42.33	32.31
6	79.02	34.63
7	58.96	37.89
8	47.27	34.41
9	38.00	33.89
10	32.01	33.24
11	32.35	31.57
12	32.25	30.95
1	42.15	31.63
2	44.89	31.80
Grand Total	45.41	33.12

ferc 1 line losses 4.54%
Adjusted for losses 1.02323

	On peak \$/MWh	Off-Peak \$/MWh
Adjusted Energy R:	46.46211	33.88658

\$ per kWh 0.046462 0.033887

2-17-09
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Charles E. Whitman

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L i n e	CONSTRUCTION AND EQUIPMENT	F E R C	2004		2005		2006		2007		2008		2009		2010	
			Jan.	Jul.												
			1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	Total Plant-All Steam Generation		418	434	453	460	481	495	518	529	561	580				
2	Total Plant-All Steam & Nuclear Gen.		417	433	452	459	480	494	517	527	559	578				
3	Total Plant-All Steam & Hydro Gen.		417	433	452	459	479	493	516	527	559	578				
4																
5	Steam Production Plant															
6	Total Steam Production Plant		446	456	477	481	495	503	520	531	547	576				
7	Structures & Improvements-Indoor	311	398	413	435	438	451	458	474	482	501	530				
8	Structures & Improvements-Semi-Outdoor	311	396	404	418	425	438	445	457	483	501	513				
9	Boiler Plant Equipment-Coal Fired	312	459	475	495	499	514	521	534	543	557	585				
10	Boiler Plant Equipment-Gas Fired	312	-	-	-	-	-	-	-	-	-	-				
11	Boiler Plant Piping Installed		381	394	439	443	460	465	477	475	491	530				
12	Turbogenerator Units	314	438	441	464	461	471	483	499	501	513	559				
13	Accessory Electrical Equipment	315	513	522	562	572	596	616	661	682	719	744				
14	Misc. Power Plant Equipment	316	465	479	511	513	531	538	540	544	555	593				
15																
16	Nuclear Production Plant															
17	Total Nuclear Production Plant		410	422	447	449	462	471	486	489	502	530				
18	Structures & Improvements	321	378	388	406	410	420	427	438	433	447	462				
19	Reactor Plant Equipment	322	396	413	439	441	455	463	476	480	489	518				
20																
21	Hydro Production Plant															
22	Total Hydraulic Production Plant		382	384	397	400	410	417	432	442	454	471				
23	Structures & Improvements	331	398	413	435	438	451	458	474	482	501	530				
24	Reservoirs, Dams & Waterways	332	364	370	384	388	399	404	417	428	439	446				
25	Water Wheels, Turbines & Generators	333	410	393	399	397	406	416	436	444	455	493				
26																
27	Other Production Plant															
28	Total Other Production Plant		430	437	428	435	445	456	516	529	582	603				
29	Fuel Holders, Producers & Accessories	342	402	427	454	460	469	478	494	497	512	548				
30	Gas Turbogenerators	344	428	434	420	427	435	447	511	524	581	602				
31																
32	Transmission Plant															
33	Total Transmission Plant		427	454	471	485	512	528	553	568	603	631				
34	Station Equipment	353	427	466	483	495	517	533	567	583	604	627				
35	Towers & Fixtures	354	417	424	436	439	454	457	468	494	513	515				
36	Poles & Fixtures	355	453	457	476	493	502	515	526	529	561	570				
37	Overhead Conductors & Devices	356	455	487	511	542	605	643	678	695	753	828				
38	Underground Conduit	357	388	404	436	436	454	458	477	472	494	527				
39	Underground Conductors & Devices	358	473	523	529	547	590	594	605	610	790	828				
40																
41	Distribution Plant															
42	Total Distribution Plant		373	391	408	417	446	466	499	507	563	562				
43	Station Equipment	362	391	441	457	464	492	503	537	555	573	595				
44	Poles, Towers & Fixtures	364	425	434	453	457	470	480	496	497	511	525				
45	Overhead Conductors & Devices	365	449	468	489	512	555	579	609	624	670	715				
46	Underground Conduit	366	393	395	420	422	449	451	471	468	487	495				
47	Underground Conductors & Devices	367	337	354	382	393	423	428	507	514	554	586				
48	Line Transformers	368	244	264	275	283	320	361	408	416	602	506				
49	Pad Mounted Transformers	368	387	457	492	541	562	653	689	820	642	759				
50	Services-Overhead	369	371	378	395	402	428	428	451	452	475	485				
51	Services-Underground	369	268	269	279	292	335	372	356	352	349	350				
52	Meters Installed	370	319	319	306	306	310	316	319	326	330	332				
53	Street Lighting-Overhead	373	474	480	499	508	526	594	617	627	641	672				
54	Mast Arms & Luminaires Installed	373	447	453	482	496	524	555	574	585	576	587				
55	Street Lighting-Underground	373	488	492	510	517	535	615	640	651	671	708				
56																


UNITED STATES DEPARTMENT OF LABOR
www.bls.gov Search: All BLS.gov

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for: Search 


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Data extracted on: February 17, 2009 (9:52:00 AM)

Producer Price Index-Commodities

Series Id: WPUSOP3000
 Not Seasonally Adjusted
Group: Stage of processing
Item: Finished goods
Base Date: 198200

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1998	130.3	130.2	130.1	130.4	130.6	130.7	131.0	130.7	130.6	131.4	130.9	131.1	130.7
1999	131.4	130.8	131.1	131.9	132.4	132.7	132.9	133.7	134.7	135.1	134.9	134.9	133.0
2000	134.7	136.0	136.8	136.7	137.3	138.6	138.6	138.2	139.4	140.1	140.0	139.7	138.0
2001	141.2	141.4	140.9	141.8	142.7	142.2	140.5	140.9	141.6	139.7	138.3	137.4	140.7
2002	137.4	137.7	138.7	138.8	138.6	139.0	138.8	138.8	139.1	140.7	139.7	139.0	138.9
2003	140.8	142.3	144.2	142.1	142.0	143.0	143.0	143.7	144.0	145.5	144.5	144.5	143.3
2004	145.4	145.3	146.3	147.3	148.9	148.7	148.5	148.5	148.7	152.0	151.7	150.6	148.5
2005	151.4	152.1	153.6	154.4	154.3	154.2	155.5	156.3	158.9	160.9	158.3	158.7	155.7
2006	159.9	158.0	159.1	160.7	161.2	161.8	161.7	162.3	160.3	158.9	159.8	160.5	160.4
2007	160.1	161.8	164.1	165.9	167.5	167.2	168.5	166.1	167.4	168.6	171.4	170.4	166.6
2008	172.0	172.3	175.1	176.5	179.8	182.4	185.1	182.2	182.2	177.3 (p)	172.1 (p)	168.8 (p)	177.1 (p)

p : Preliminary. All indexes are subject to revision four months after original publication.

Table A20. Macroeconomic Indicators

(Billion 2000 Chain-Weighted Dollars, Unless Otherwise Noted)

30-Day Filing No. 2525

Indicators	Reference Case							Annual Growth 2007-2030 (percent)
	2006	2007	2010	2015	2020	2025	2030	
Real Gross Domestic Product	11295	11524	11793	13724	15111	16511	18011	15%
Components of Real Gross Domestic Product								
Real Consumption	8029	8253	8446	9618	10871	12140	13435	2.1%
Real Investment	1912	1810	1588	2252	2563	3064	3755	3.2%
Real Government Spending	1971	2012	2065	2093	2193	2296	2427	0.8%
Real Exports	1315	1426	1589	2290	3060	4121	5819	6.3%
Real Imports	1931	1972	1906	2446	3014	3724	4716	3.9%
Energy Intensity (thousand Btu per 2000 dollar of GDP)								
Delivered Energy	6.46	6.42	6.09	5.40	4.86	4.44	4.04	-2.0%
Total Energy	8.86	8.84	8.47	7.50	6.80	6.20	5.64	-1.9%
Price Indices								
GDP Chain-type Price Index (2000=1.000)	1.167	1.198	1.262	1.386	1.547	1.653	1.737	1.6%
Consumer Price Index (1982-4=1.00)								
All-urban	2.02	2.07	2.19	2.49	2.83	3.08	3.31	2.1%
Energy Commodities and Services	1.97	2.08	2.12	2.74	3.16	3.51	3.88	2.8%
Wholesale Price Index (1982=1.00)								
All Commodities	1.65	1.73	1.78	2.01	2.19	2.27	2.36	1.4%
Fuel and Power	1.67	1.77	1.86	2.37	2.75	3.07	3.46	2.9%
Metals and Metal Products	1.82	1.93	1.82	2.08	2.21	2.18	2.23	0.6%
Interest Rates (percent, nominal)								
Federal Funds Rate	4.96	5.02	1.23	5.47	5.17	5.19	4.02	--
10-Year Treasury Note	4.79	4.63	3.59	5.78	5.85	5.66	4.66	--
AA Utility Bond Rate	5.84	5.94	6.28	7.75	7.48	7.16	5.78	--
Value of Shipments (billion 2000 dollars)								
Total Industrial	5763	5750	5256	6262	6752	7398	8451	1.7%
Nonmanufacturing	1503	1490	1277	1575	1600	1669	1780	0.8%
Manufacturing	4260	4261	3979	4687	5151	5729	6670	2.0%
Energy-Intensive	1218	1239	1243	1320	1376	1441	1526	0.9%
Non-energy Intensive	3042	3022	2735	3367	3775	4288	5145	2.3%
Population and Employment (millions)								
Population, with Armed Forces Overseas	299.6	302.4	311.4	326.7	342.6	358.9	375.1	0.9%
Population, aged 16 and over	234.5	237.2	245.2	257.4	270.4	283.9	297.6	1.0%
Population, over age 65	37.4	38.0	40.4	47.0	55.0	64.2	72.3	2.8%
Employment, Nonfarm	135.7	137.2	135.7	147.0	152.5	159.1	168.3	0.9%
Employment, Manufacturing	14.2	13.9	12.2	12.6	12.3	12.1	11.7	-0.7%
Key Labor Indicators								
Labor Force (millions)	151.4	153.1	155.9	163.1	168.4	174.0	181.5	0.7%
Nonfarm Labor Productivity (1992=1.00)	1.35	1.37	1.45	1.57	1.74	1.93	2.14	1.9%
Unemployment Rate (percent)	4.61	4.64	8.21	5.74	5.54	5.41	4.78	--
Key Indicators for Energy Demand								
Real Disposable Personal Income	8407	8644	9039	10463	12024	13709	15442	2.6%
Housing Starts (millions)	1.93	1.44	1.20	1.99	1.77	1.74	1.74	0.8%
Commercial Floorspace (billion square feet) ..	75.8	77.3	81.2	86.1	92.2	97.5	103.3	1.3%
Unit Sales of Light-Duty Vehicles (millions) ..	16.50	16.09	14.30	16.92	17.41	18.85	21.03	1.2%

GDP = Gross domestic product.

Btu = British thermal unit.

-- = Not applicable.

Sources: 2006 and 2007: Global Insight, Global Insight Industry and Employment models, November 2008. Projections: Energy Information Administration, AEO2009 National Energy Modeling System run AEO2009.D112408B.

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ADJUSTMENTS OF TECH ASSESSMENT DATA TO REPRESENT SNAKE RUN SCOPE				
	1xLM6000	1xLMS100	1xGEA	1x254
ADJUSTED PERFORMANCES:				
Base Load Annual Average Performance @ 58F, 73% RH, 500 ft				
Net Plant Output, kW	47,500	98,800	82,500	167,600
Net Plant Heat Rate (100% Load), Btu/kWh (HHV)	9,790	9,440	11,820	10,550
Heat Input, MMBtu/h (HHV)	465	933	975	1,768
Base Load Summer Peak Performance @ 95F, 46% RH, 500 ft.				
Net Plant Output, kW	42,400	88,600	74,800	153,500
Net Plant Heat Rate (100% Load), Btu/kWh (HHV)	9,950	9,750	12,110	10,600
Heat Input, MMBtu/h (HHV)	422	864	906	1,658
Base Load GE Peak Performance @ 100F, 42% RH, 500 ft.				
Net Plant Output, kW	42,000	87,600	74,300	152,500
Net Plant Heat Rate (100% Load), Btu/kWh (HHV)	10,000	9,780	12,130	10,820
Heat Input, MMBtu/h (HHV)	420	857	901	1,650
ADJUSTED PROJECT COSTS:				
Evaporative Coolers	N/A	(\$0.9)	N/A	N/A
Dual Fuel	(\$4.4)	(\$7.0)	(\$6.2)	(\$10.8)
Gas Compressors	\$1.9	\$2.8	N/A	N/A
Diesel Generator	(\$0.4)	(\$0.4)	(\$0.4)	(\$0.4)
Raw Water Storage	(\$0.2)	(\$0.2)	(\$0.2)	(\$0.3)
Gas Turbine Intercooler Sizing Criteria	N/A	\$0.7	N/A	N/A
GSU Sizing	N/A	\$0.3	N/A	N/A
Fuel Metering Equipment	\$1.2	\$1.3	\$1.3	\$1.4
Fire Protection	(\$1.2)	(\$1.2)	(\$1.1)	(\$1.3)
40 Hour Work Week	(\$1.0)	(\$1.5)	(\$1.0)	(\$1.5)
Piping (Larger Site)	\$1.5	\$1.5	\$1.0	\$1.0
Electrical (Larger Site)	\$5.0	\$5.0	\$5.0	\$5.0
Hybrid Cooling System	N/A	\$1.8	N/A	N/A
Site Work & Road Improvements	\$1.0	\$1.0	\$1.0	\$1.0
Switchyard	\$3.2	\$3.2	\$3.2	\$3.2
Gas Pipeline to site	\$2.5	\$2.5	\$2.5	\$2.5
Water Pipeline to Site	\$0.5	\$0.5	\$0.5	\$0.5
Contracting Strategy (EPCM vs. Multiple Contract)	\$1.8	\$2.6	\$1.8	\$4.2
Contingency (11% vs. 5%)	\$3.5	\$4.9	\$4.0	\$5.8
Escalation To 2010 COD	\$1.2	\$2.0	\$1.3	\$1.9
Total Cost (\$ Millions)	\$82	\$123	\$92	\$126
Total Cost (\$/kW)	\$1,730	\$1,245	\$1,115	\$755
ADJUSTED O&M COSTS:				
Fixed O&M, 2008\$/kW-yr	\$18.77	\$12.05	\$12.66	\$6.37
Levelized Major Maintenance Cost, 2008\$				
Cost per hour, 2008 \$/hr (GT maintenance only / per turbine)	\$130.00	\$240.00	\$250.00	\$610.00
Cost per start, 2008 \$/start (GT maintenance only / per turbine)	N/A	N/A	\$7,400	\$14,350
Base Load Variable O&M, 2008 \$/MWh (excl. major maintenance)	\$5.12	\$3.84	\$1.50	\$1.38
ADJUSTMENT NOTES				
The following assumptions govern this analysis:				
Discussion of Adjustments				
<ul style="list-style-type: none"> - All estimates in this table are "screening level" and are not to be used for budgeting. - Evaporative inlet coolers have been eliminated on the LMS100 to match the current Snake Run LMS100 scope. All other options still include evap coolers. - Dual fuel capability has been eliminated by Vectren. - Compressors are assumed to be required for the LM6000 and LMS100 options due to the need for high inlet pressures. - Eliminating diesel generators as the plant is backed up from the local distribution. - Raw Water Storage has been reduced to reflect elimination of fire protection storage needs. - Intercooler sizing impact to adjust to GE LMS100 project requirements in lieu of the requirements indicated in the GE Aerodynamic Performance Prediction Software program. - GSU sizing impact on the LMS100 reflects utilization of a 160 MVA GSU on the LMS100 operation to match the generator MVA rating in lieu of the 130 MVA indicated on GE's One-lines. - Fuel metering equipment added to reflect Snake Run site infrastructure requirements. - Fire protection deleted as directed by Vectren for Snake Run. - Costs adjusted to reflect a 40 hour work week in lieu of a 50 hour work week. - Piping and Electrical Commodities adjusted to reflect a site sized and spread out to accommodate additional units in the future. - Hybrid heat rejection system included on the LMS100 option to reflect the scope of the Snake Run project. - Additional sitework costs included to reflect the complexity of the Snake Run site. - Switchyard included to match the Snake Run site requirements. - Natural gas and water supply pipelines to site, including tie-ins to sources included to match Snake Run requirements. - Contracting strategy adjusted to reflect the desired EPCM contracting strategy. - Contingency increased to a level of 11%, comparable to the Snake Run project estimate. - Escalation included to reflect a commercial operation date in 2010 in lieu of 2008. - Capital cost (\$/kW) is based on output at adjusted Snake Run annual average conditions. 				
Performance Estimates				
<ul style="list-style-type: none"> - Performances were adjusted for specific Snake Run site ambient conditions, elevation (500 ft.), and revised scope. - Performances for the LMS100 reflect GE's guaranteed performance. It appears GE is carrying a 4.2% margin on heat rate compared to their estimated heat rate (that indicated in APPS). - Evap Cooler was eliminated on the LMS100 option only and the LMS100 performance is based on a hybrid cooling system. All other options include evap coolers. - Compressors assumed to be motor driven. 				
O&M Estimates				
<ul style="list-style-type: none"> - Fixed O&M costs were adjusted for an unmanned site with associated reduced office and administration cost. - O&M costs adjusted to eliminate evaporative coolers on the LMS100 option (decreased water costs and decreased output). 				

**SUMMARY OF UTILITY PLANT AND ACCUMULATED PROVISIONS
FOR DEPRECIATION, AMORTIZATION AND DEPLETION**

Report in Column (c) the amount for electric function, in column (d) the amount for gas function, in column (e), (f), and (g) report other (specify) and in column (f) common function.

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Line No.	Classification (a)	Total Company for the Current Year/Quarter Ended (b)	Electric (c)
1	Utility Plant		
2	In Service		
3	Plant in Service (Classified)	1,472,564,475	1,249,391,012
4	Property Under Capital Leases		
5	Plant Purchased or Sold		
6	Completed Construction not Classified	582,744,330	562,170,310
7	Experimental Plant Unclassified		
8	Total (3 thru 7)	2,055,308,805	1,811,561,322
9	Leased to Others		
10	Held for Future Use	2,678,712	2,678,712
11	Construction Work in Progress	91,798,997	91,884,994
12	Acquisition Adjustments		
13	Total Utility Plant (8 thru 12)	2,149,786,514	1,906,125,028
14	Accum Prov for Depr, Amort, & Depl	926,006,711	819,014,826
15	Net Utility Plant (13 less 14)	1,223,779,803	1,087,110,202
16	Detail of Accum Prov for Depr, Amort & Depl		
17	In Service:		
18	Depreciation	926,006,711	819,014,826
19	Amort & Depl of Producing Nat Gas Land/Land Right		
20	Amort of Underground Storage Land/Land Rights		
21	Amort of Other Utility Plant		
22	Total In Service (18 thru 21)	926,006,711	819,014,826
23	Leased to Others		
24	Depreciation		
25	Amortization and Depletion		
26	Total Leased to Others (24 & 25)		
27	Held for Future Use		
28	Depreciation		
29	Amortization		
30	Total Held for Future Use (28 & 29)		
31	Abandonment of Leases (Natural Gas)		
32	Amort of Plant Acquisition Adj		
33	Total Accum Prov (equals 14) (22,26,30,31,32)	926,006,711	819,014,826

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Name of Respondent Southern Indiana Gas and Electric Company	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) / /	Year/Period of Report End of 2008/Q4
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General Description of Construction Overhead Procedure (continued)

COMPUTATION OF ALLOWANCE FOR FUNDS USED DURING CONSTRUCTION RATES

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- For line (5), column (d) below, enter the rate granted in the last rate proceeding. If not available, use the average rate earned during the preceding 3 years.
- Identify, in a footnote, the specific entity used as the source for the capital structure figures.
- Indicate, in a footnote, if the reported rate of return is one that has been approved in a rate case, black-box settlement rate, or an actual three-year average rate.

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1. Components of Formula (Derived from actual book balances and actual cost rates):

Line No.	Title (a)	Amount (b)	Capitalization Ratio (percent) (c)	Cost Rate Percentage (d)
(1)	Average Short-Term Debt	S 129,937,379		
(2)	Short-Term Interest			s 3.58
(3)	Long-Term Debt	D 433,620,953	41.90	d 6.14
(4)	Preferred Stock	P		p 12.4
(5)	Common Equity	C 601,165,050	58.10	c 10.15
(6)	Total Capitalization	1,034,786,003	100.00	
(7)	Average Construction Work In Progress Balance	W 129,100,000		

2. Gross Rate for Borrowed Funds $s(S/W) + d[(D/(D+P+C)) (1-(S/W))]$ 3.58

3. Rate for Other Funds $[1-(S/W)] [p(P/(D+P+C)) + c(C/(D+P+C))]$

4. Weighted Average Rate Actually Used for the Year:

- Rate for Borrowed Funds -
- Rate for Other Funds -

TAXES ACCRUED, PREPAID AND CHARGED DURING YEAR (Continued)

5. If any tax (exclude Federal and State income taxes)- covers more than one year, show the required information separately for each tax year, identifying the year in column (a).

6. Enter all adjustments of the accrued and prepaid tax accounts in column (f) and explain each adjustment in a foot-note. Designate debit adjustments by parentheses.
Do not include on this page entries with respect to deferred income taxes or taxes collected through payroll deductions or otherwise pending transmittal of such taxes to the taxing authority.

8. Report in columns (i) through (l) how the taxes were distributed. Report in column (l) only the amounts charged to Accounts 408.1 and 409.1 pertaining to electric operations. Report in column (l) the amounts charged to Accounts 408.1 and 109.1 pertaining to other utility departments and amounts charged to Accounts 408.2 and 409.2. Also shown in column (l) the taxes charged to utility plant or other balance sheet accounts.

9. For any tax apportioned to more than one utility department or account, state in a footnote the basis of apportionment.

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BALANCE AT END OF YEAR		DISTRIBUTION OF TAXES CHARGED				Line No.
(Taxes accrued Account 236) (g)	Prepaid Taxes (Incl. in Account 165) (h)	Electric (Account 408.1, 409.1) (i)	Extraordinary Items (Account 409.3) (j)	Adjustments to Ret. Earnings (Account 439) (k)	Other (l)	
						1
68,504		5,966,815			133,403	2
-213,360		17,370				3
						4
						5
27,704					267,881	6
	-1,781,057	7,971,502				7
						8
					13,968	9
8,285,144		8,055,311				10
						11
						12
						13
8,167,992	-1,781,057	22,010,998			415,252	14
						15
						16
		1,462				17
15,172		13,512				18
						19
15,172		14,974				20
						21
						22
						23
						24
10					496	25
3,733,530		27,910,852				26
-2,936,754		1,140,528				27
796,786		29,051,380			496	28
		4				29
						30
						31
						32
						33
						34
						35
						36
						37
						38
						39
						40
8,979,950	-1,781,057	51,077,356			415,748	41

ELECTRIC OPERATION AND MAINTENANCE EXPENSES (Continued)

If the amount for previous year is not derived from previously reported figures, explain in footnote.

Line No.	Account (a)	Amount for Current Year (b)	Amount for Previous Year (c)
165	6. CUSTOMER SERVICE AND INFORMATIONAL EXPENSES		
166	Operation		
167	(907) Supervision		-9
168	(908) Customer Assistance Expenses	126,550	183,067
169	(909) Informational and Instructional Expenses	21,745	92,587
170	(910) Miscellaneous Customer Service and Informational Expenses	47,696	11,913
171	TOTAL Customer Service and Information Expenses (Total 167 thru 170)	620,991	704,866
172	7. SALES EXPENSES		
173	Operation		
174	(911) Supervision	14,852	1,149
175	(912) Demonstrating and Selling Expenses	562,628	238,483
176	(913) Advertising Expenses	1,757	581
177	(916) Miscellaneous Sales Expenses	8,816	9,116
178	TOTAL Sales Expenses (Enter Total of lines 174 thru 177)	588,053	249,329
179	8. ADMINISTRATIVE AND GENERAL EXPENSES		
180	Operation		
181	(920) Administrative and General Salaries	12,423,601	9,399,173
182	(921) Office Supplies and Expenses	5,033,440	4,356,074
183	(Less) (922) Administrative Expenses Transferred-Credit	1,404,480	1,332,000
184	(923) Outside Services Employed	12,217,990	10,793,067
185	(924) Property Insurance	1,193,375	1,539,471
186	(925) Injuries and Damages	1,456,369	1,558,986
187	(926) Employee Pensions and Benefits	29,568	40,455
188	(927) Franchise Requirements		
189	(928) Regulatory Commission Expenses	649,478	363,137
190	(929) (Less) Duplicate Charges-Cr.		
191	(930.1) General Advertising Expenses		
192	(930.2) Miscellaneous General Expenses	1,194,413	1,159,186
193	(931) Rents	1,897	16,917
194	TOTAL Operation (Enter Total of lines 181 thru 193)	32,795,651	27,894,466
195	Maintenance		
196	(935) Maintenance of General Plant	367,003	305,437
197	TOTAL Administrative & General Expenses (Total of lines 194 and 196)	33,162,654	28,199,903
198	TOTAL Elec Op and Maint Expns (Total 80,112,131,156,164,171,178,197)	292,102,840	259,036,587

30-Day Filing No. 2525

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Name of Respondent
Southern Indiana Gas and Electric Company

This Report Is:
(1) An Original
(2) A Resubmission

Date of Report
(Mo, Da, Yr)
/ /

Year/Period of Report
End of 2007/Q4

ELECTRIC ENERGY ACCOUNT

Report below the information called for concerning the disposition of electric energy generated, purchased, exchanged and wheeled during the year.

Line No.	Item (a)	MegaWatt Hours (b)	Line No.	Item (a)	MegaWatt Hours (b)
1	SOURCES OF ENERGY		21	DISPOSITION OF ENERGY	
2	Generation (Excluding Station Use):		22	Sales to Ultimate Consumers (Including Interdepartmental Sales)	5,559,704
3	Steam	6,821,952	23	Requirements Sales for Resale (See instruction 4, page 311.)	616,178
4	Nuclear		24	Non-Requirements Sales for Resale (See instruction 4, page 311.)	921,321
5	Hydro-Conventional		25	Energy Furnished Without Charge	
6	Hydro-Pumped Storage		26	Energy Used by the Company (Electric Dept Only, Excluding Station Use)	12,047
7	Other	51,406	27	Total Energy Losses	337,995
8	Less Energy for Pumping		28	TOTAL (Enter Total of Lines 22 Through 27) (MUST EQUAL LINE 20)	7,438,245
9	Net Generation (Enter Total of lines 3 through 8)	6,873,358			
10	Purchases	416,239			
11	Power Exchanges:				
12	Received	2,044,152			
13	Delivered	1,895,504			
14	Net Exchanges (Line 12 minus line 13)	148,648			
15	Transmission For Other (Wheeling)				
16	Received				
17	Delivered				
18	Net Transmission for Other (Line 16 minus line 17)				
19	Transmission By Others Losses				
20	TOTAL (Enter Total of lines 9, 10, 14, 18 and 19)	7,438,245			

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