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November 18, 2010

RECEIVED
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PUBLIC SERVICE COMMISSION

Mr. Jeffrey Derouen
Executive Director
Kentucky Public Service Commission
211 Sower Boulevard
P. O. Box 615
Frankfort, Kentucky 40602-0615

Re: PSC Case No. 2010-00238
In the Matter of: An Investigation of East Kentucky Power Cooperative, Inc.'s Need for the Smith 1 Generating Facility

Dear Mr. Derouen:

Please find enclosed for filing with the Commission in the above-referenced case an original and ten redacted copies of certain Exhibits of East Kentucky Power Cooperative, Inc. ("EKPC") in responding to items contained in the Commission's Order dated June 22, 2010, as well as EKPC's Petition for Confidential Treatment of Information ("Petition"). Prepared testimonies of Anthony S. Campbell, Julia J. Tucker, David K. Mitchell, and Gary G. Stansberry are also enclosed. One unredacted copy of the designated confidential portion of the Exhibits, which is the subject of the Petition, is enclosed in a sealed envelope.

Please file same of record in the captioned case.

Sincerely yours,

Mark David Goss

Enclosures

cc: All Parties of Record

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COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

IN THE MATTER OF:

AN INVESTIGATION OF EAST KENTUCKY POWER COOPERATIVE INC.'S NEED FOR THE SMITH 1 GENERATING FACILITY	)))	**CASE NO. 2010-00238**

PETITION FOR CONFIDENTIAL TREATMENT OF INFORMATION

Comes now the petitioner, East Kentucky Power Cooperative, Inc. ("EKPC"), andas grounds for this Petition for Confidential Treatment of Information (the "Petition"), states as follows:

1. This Petition is filed in conjunction with the filing of EKPC's Direct Testimony in this case, required by Commission Order dated June 22, 2010, and subsequently amended July 16, 2010, September 7, 2010, September 24, 2010 and November 10, 2010, and relates to confidential information contained in certain exhibits and supporting assumptions that is entitled to protection pursuant to 807 KAR 5:001 Section 7 and KRS §61.878(1)(c)1 and §61.878(1)(c)2c.

2. The information designated as confidential in these exhibits and supporting assumptions include fuel, emission, purchased power, and load/financial forecast assumptions that are proprietary in nature. The open disclosure of such information could present an unfair commercial advantage to competitors of EKPC in EKPC's efforts to compete with the power marketers, utilities and other entities that deal in the market for surplus bulk power, and to compete with other utilities in Kentucky for

new industrial customers. As such this information is confidential and not subject to public disclosure pursuant to KRS §61.878(1)(c)1.

3. The subject information is also entitled to protection pursuant to KRS §61.878(1)(c)2c, as records generally recognized as confidential or proprietary which are confidentially disclosed to an agency in conjunction with the regulation of a commercial enterprise.

4. Along with this Petition, EKPC has enclosed one copy of the subject exhibits with the confidential information identified by highlighting or other designation, and 10 copies of the same exhibits with the confidential information redacted. The identified confidential information is not known outside of EKPC and is distributed within EKPC only to persons with a need to use it for business purposes. It is entitled to confidential treatment pursuant to 807 KAR 5:001 Section 7 and the various sections of KRS 61.878 delineated above.

WHEREFORE, EKPC respectfully requests the Public Service Commission to grant confidential treatment to the identified information and deny public disclosure of said information.

Respectfully submitted,

Mark David Goss

Mark David Goss
Frost Brown Todd LLC
250 West Main Street, Suite 2800
Lexington, KY 40507-1749
(859) 231-000—Telephone
(859) 231-0011—Facsimile
Counsel for East Kentucky Power Cooperative, Inc.

CERTIFICATE OF SERVICE

This is to certify that an original and 10 copies of the foregoing Petition for Confidential Treatment of Information in the above-styled case were hand-delivered to the Office of Jeffrey Derouen, Executive Director of the Kentucky Public Service Commission, 211 Sower Boulevard, Frankfort, Kentucky 40601 on November 18, 2010, and sent by first class mail to: Honorable Michael R. Campbell, Campbell and Rogers, 154 Flemingsburg Drive, Morehead, KY 40351; Honorable Dennis G. Howard II, Esq., Assistant Attorney General, P.O. Box 2000, Frankfort, Kentucky 40602-2000; Honorable Michael L. Kurtz, Attorney at Law, Boehm, Kurtz & Lowry, 36 East Seventh Street, Suite 1510, Cincinnati, OH 45202; and Honorable Robert Ukeiley, 435R Chestnut Street, Suite 1, Berea, KY 40403.

Mark David Goss

Counsel for East Kentucky Power Cooperative, Inc.

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In re the Matter of:

AN INVESTIGATION OF EAST KENTUCKY POWER COOPERATIVE, INC. 'S NEED FOR THE SMITH 1 GENERATING FACILITY	)))	CASE NO. 2010-00238

RESPONSES TO COMMISSION STAFF'S INVESTIGATION INTO THE NEED FOR SMITH 1 GENERATING FACILITY COMMISSION REQUEST DATED JUNE 22, 2010

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

AN INVESTIGATION OF EAST KENTUCKY	)	CASE NO.
POWER COOPERATIVE, INC.'S NEED FOR	)	2010-00238
THE SMITH 1 GENERATING FACILITY	)	

TESTIMONY OF ANTHONY S. CAMPBELL PRESIDENT AND CHIEF EXECUTIVE OFFICER EAST KENTUCKY POWER COOPERATIVE, INC.

Filed: November 18, 2010

Q. Please state your name, business address and occupation.

A. My name is Anthony S. Campbell and my business address is East Kentucky Power Cooperative, Inc. (EKPC), 4775 Lexington Road, Winchester, Kentucky 40391. I am President and Chief Executive Officer.

Q. How long have you been employed by East Kentucky Power Cooperative, Inc. ("EKPC")?

A. I have been employed by EKPC since June 2009.

Q. Please state your education and professional experience.

A. I received a Bachelor of Science degree in electrical engineering from the Southern Illinois University at Carbondale and a Masters of Business Administration from the University of Illinois at Champaign. Prior to joining EKPC, I served as CEO of Citizens Electric Corporation, a transmission and distribution company located in southeast Missouri.

Q. Please provide a brief description of your duties at EKPC.

A. The Board of Directors has given me, as CEO, the responsibility for managing the Cooperative's business on a day-to-day basis. I carry out the Board's strategy within the guidelines and policies developed by the Board.

Q. What is the purpose of your testimony?

A. The purpose of my testimony is to introduce other witnesses providing testimony and to provide an overview of the results of EKPC's analysis.

Q. Please list EKPC's witnesses who will provide detailed testimony regarding the investigation of the Smith 1 generating facility.

A. (1) Mr. David K. Mitchell, Vice-President of Construction at EKPC, will discuss the Smith 1 cost estimate by major component and the operational and financial impacts of a hypothetical delay of the in-service date for Smith 1 of two years and four years.

(2) Ms. Julia J. Tucker, Director of Power Supply Planning at EKPC, will discuss EKPC's most recent long-term load forecast and EKPC's existing generating capacity, provide information regarding peaks, capacity, sales and reserve requirements, discuss EKPC's efficiency and other demand-side management programs and their impacts, and discuss EKPC's production costing model.

(3) Gary G. Stansberry, Manager of Performance Measures at EKPC, will discuss the financial results of each alternative scenario compared to Smith 1 as planned, provide revenue requirements of each scenario and the impact on member rates.

Q. What is the background of the Smith 1 Unit?

A. On August 29, 2006, in Case No. 2005-00053, the Commission granted EKPC a Certificate of Public Convenience and Necessity ("CPCN") to construct the 278 MW Smith Circulating Fluidized Bed Generating Unit ("Smith 1"). On January 5, 2007, in light of the decision by Warren Rural Electric Cooperative Corporation to terminate a power supply agreement with EKPC, the Commission investigated the continued need for Smith 1 (Case No. 2006-00564). After much discovery, on May 11, 2007, the Commission issued an Order allowing EKPC to retain the CPCN for Smith 1, as EKPC submitted evidence during the proceeding that showed: 1) that Smith 1 generation was still needed and 2) that Smith 1 was the least cost power supply alternative.

Q. Were there portions of the Commission's Order in Case No. 2006-00564 that were particularly compelling?

A. Yes. The Commission states on pages 9 and 10 of the Order: "With regard to the Smith No. 1 unit, there are two alternatives to consider. The Commission might order EKPC to purposefully delay the construction of Smith No. 1 to guarantee that its native load requirements are sufficient to support the addition of the generating unit. This course of action, however, would result in the levying of significant contractual penalties on EKPC and increase its exposure to escalating costs for labor and materials in the future. On the other hand the Commission might allow EKPC to proceed with construction of the Smith No. 1 unit and run the risk that EKPC's native load growth might not grow as quickly as forecasted—potentially resulting in EKPC having excess generation capacity. While neither situation is ideal, the latter position is clearly preferred under the specific facts of this case. In the long run, EKPC's ratepayers and the public interest at large will be best served by allowing EKPC to complete the construction of Smith No. 1 and avoid unnecessary penalties and cost escalations associated with a lengthy delay. Any risk of reaching a situation where EKPC has excess generation capacity should be mitigated by EKPC's careful development and implementation of a mechanism for making off-system sales. Accordingly, EKPC will be permitted to continue with the construction of the Smith No. 1 unit as originally certificated but should develop and implement an appropriate plan for facilitating off-system sales if the opportunity arises."

Q. Based on this Order, did EKPC continue its construction of Smith 1?

A. Yes. EKPC was concerned about the labor and materials escalations referenced in the Order and continued with construction.

Q. Has EKPC prudently incurred costs on Smith 1 to date?

A. Without question. EKPC's load forecasts in 2006 and 2008 supported the continued need for Smith 1, and Smith 1 was the least cost option. EKPC believes that all of the costs for Smith 1 to date were prudently incurred.

Q. Since the awarding of the certificates in the above-referenced proceedings, has EKPC conducted its own analyses relating to Smith 1 prior to the Commission's opening of this investigation?

A. Yes. EKPC has reviewed its assumptions relating to Smith 1 numerous times over the last few years to ensure Smith 1 was still the least cost option. Until recently, Smith 1 proved to be the least cost option to supply EKPC's power supply needs.

Q. Could you elaborate on what is meant by "until recently"?

A. The Commission's Order initiating the investigation into the need and cost of Smith 1 was coincident with EKPC's completion of its 2010 load forecast. As discussed in greater detail in Ms. Tucker's testimony, the 2010 load forecast showed a diminished load growth. The forecast indicates that base load generation is not needed until approximately 2018. As further discussed in the testimony of Mr. Stansberry, Smith 1 is no longer the least cost option compared to other power supply alternatives.

Q. What is the conclusion reached as a result of your recent analysis?

A. As stated above, the results of EKPC's load forecast do not support the immediate need for base load generation. Additionally, continuing to build Smith 1 will place an undue burden on EKPC from a long-term debt perspective, and will cause EKPC's rates to its members to increase substantially. EKPC's Board of Directors has concluded unanimously that, based upon the results of EKPC's analysis, it must voluntarily relinquish the CPCN for Smith 1.

Q. How are you proposing to treat the costs already incurred on building Smith 1?

A. Through a separate Application filed with the Commission, EKPC is requesting the Commission's approval to establish a regulatory asset. This Application contains the testimony of Mike McNalley, EKPC's Chief Financial Officer, who addresses this matter at length.

Q. Does this conclude your testimony?

A. Yes.

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In re the Matter of:

AN INVESTIGATION OF EAST KENTUCKY POWER COOPERATIVE, INC. 'S NEED FOR THE SMITH 1 GENERATING FACILITY	**CASE NO. 2010-00238**

AFFIDAVIT

STATE OF KENTUCKY)
)
COUNTY OF CLARK)

Anthony S. Campbell, being duly sworn, states that he has read the foregoing prepared testimony and that he would respond in the same manner to the questions if so asked upon taking the stand, and that the matters and things set forth therein are true and correct to the best of his knowledge, information and belief.

Anthony S Campbell

Subscribed and sworn before me on this 17th day of November 2010.

Gwyn M. Willoughby
Notary Public

MY COMMISSION EXPIRES NOVEMBER 30, 2013
NOTARY ID #409352

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

AN INVESTIGATION OF EAST KENTUCKY POWER COOPERATIVE, INC.'S NEED FOR THE SMITH 1 GENERATING FACILITY	) PSC CASE NO.) 2010-00238)

TESTIMONY OF
DAVID K. MITCHELL
VICE-PRESIDENT OF CONSTRUCTION
EAST KENTUCKY POWER COOPERATIVE, INC.

Filed: November 18, 2010

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

AN INVESTIGATION OF EAST KENTUCKY POWER COOPERATIVE, INC.'S NEED FOR THE SMITH 1 GENERATING FACILITY	**) PSC CASE NO.) 2010-00238)**

DIRECT TESTIMONY OF DAVID K. MITCHELL
ON BEHALF OF EAST KENTUCKY POWER COOPERATIVE, INC.

Q. Please state your name, business address and occupation.

A. My name is David K. Mitchell and my business address is East Kentucky Power Cooperative (EKPC), 4775 Lexington Road, Winchester, Kentucky 40391. I am Vice-President of Construction for EKPC.

Q. Please state your education and professional experience.

A. I hold a Bachelor of Science Degree in Electrical Engineering and a Master Degree in Business Administration both from the University of Kentucky. I have over 25 years of experience in the design, construction, operation and maintenance of fossil fuel based power generating stations. I have worked for Kentucky Utilities Company, Indianapolis Power & Light Company, the Tennessee Valley Authority and now East Kentucky Power Cooperative.

Q. Please provide a brief description of your duties at EKPC.

A. I am responsible for all generation construction activities at East Kentucky Power.

Q. What is the purpose of your testimony?

A. The purpose of my testimony is to discuss the Smith 1 cost estimate by major component. I will also discuss the operational and financial impacts of a hypothetical delay of the in-service date for Smith 1 of two years and four years.

Q. Are you sponsoring any exhibits in this proceeding?

A. Yes. I am sponsoring Exhibit DKM-1, Smith 1 Cost Estimate.

Q. What is the most recent cost estimate for Smith 1 as currently scheduled?

A. Exhibit DKM-1 reflects EKPC's most recent cost estimate, by major component, of Smith 1.

Q. How much has EKPC spent on this project to date?

A. As of September 30, 2010, EKPC has spent $153,448,904 on Smith 1.

Q. How much does this cost increase assuming Smith 1 is delayed for two years and for four years?

A. The current estimated cost for Smith 1 is roughly $820 million. A two year delay causes an increase in the estimated cost to a new total of $950 million. A four year delay increases the estimated total cost to $1.021 billion. The primary reasons for these cost increases are design changes to address new environmental regulations and assumed escalation in material and labor expenses. Please see Mr. Stansberry's testimony for additional details on the cost impacts of delaying the project.

Q. Would you please explain the cost impacts of changing environmental regulation?

A. Changing environmental regulation is expected to require the addition of a tail end SCR to Smith 1. The anticipated cost of this device to further reduce NOx emissions is $65 million in 2010 dollars.

Q. What impacts would a Smith 1 delay for two years and for five years have on EKPC's operations?

A. There are no adverse impacts on EKPC's operations for a delay of Smith 1 for a period of

1-5 years. Please see the testimony of Ms. Tucker for a discussion of EKPC's expansion plan needs.

Q. Assuming that Smith 1 is cancelled, what are the additional contractual obligations?

A. There are 4 suppliers who may be entitled to receive cancellation charges. EKPC will negotiate with those suppliers. However, EKPC anticipates that its obligations may reach $10 million, which includes contract unwinding costs and asset disposal costs.

Q. Assuming that Smith 1 is cancelled, will EKPC be able to use any of the components purchased for Smith 1 in any of its other circulating fluidized bed units?

A. Yes. EKPC estimates that components valued at approximately $14 million could be placed in inventory as capital spares.

Q. How likely would another utility/merchant plant owner be interested in the Smith 1 equipment purchased?

A. EKPC is in discussions with independent power producers, project developers, international marketers, EKPC contractors and others but, to date, interest in the Smith 1 equipment has been minimal.

Q. What is the salvage value for this equipment?

A. EKPC estimates that salvage value could range from that of scrap (5 to 10 cents on the dollar) up to 30% if the project can be sold in whole or in part. EKPC has assumed a $20 million salvage value in making its financial comparisons.

Q. Does this conclude your testimony?

A. Yes.

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In re the Matter of:

AN INVESTIGATION OF EAST KENTUCKY	**)**	
POWER COOPERATIVE, INC. 'S NEED FOR	**)**	**CASE NO. 2010-00238**
THE SMITH 1 GENERATING FACILITY	**)**	

AFFIDAVIT

STATE OF KENTUCKY	**)**
	)
COUNTY OF CLARK	**)**

David K. Mitchell, being duly sworn, states that he has read the foregoing prepared testimony and that he would respond in the same manner to the questions if so asked upon taking the stand, and that the matters and things set forth therein are true and correct to the best of his knowledge, information and belief.

David K. Mitchell

Subscribed and sworn before me on this 17th day of November, 2010.

Gwyn M. Willoughby
Notary Public

MY COMMISSION EXPIRES NOVEMBER 30, 2013
NOTARY ID #409352

REDACTED

Stanley Consultants INC.

SMITH STATION UNIT 1

PRELIMINARY ESTIMATED PROJECT COSTS - SEPTEMBER 2010

DATE OF ESTIMATE: DECEMBER 28, 2009

CONTRACT NUMBER	CONTRACT	UNIT 1 ESTIMATE DEC 2009
G1	TURBINE GENERATOR	[redacted]
G3	SITE IMPROVEMENTS	[redacted]
G6	FEEDWATER HEATERS	[redacted]
G8	DEAERATOR	[redacted]
G11	CONDENSER	[redacted]
G16	CIRCULATING WATER PUMPS	[redacted]
G17	CONDENSATE PUMPS	[redacted]
G21	BOILER FEED PUMPS	[redacted]
G36	DISTRIBUTED CONTROL SYSTEM	[redacted]
G46	FANS	[redacted]
G71	ASH HANDLING EQUIPMENT	[redacted]
G82	TURBINE BRIDGE CRANE	[redacted]
G101	ALLOY PIPING	[redacted]
G131A	LARGE POWER TRANSFORMERS	[redacted]
G131B	MEDIUM POWER TRANSFORMERS	[redacted]
G131C	SMALL POWER DISTRIBUTION TRANSFORMERS	[redacted]
G132	GENERATOR BREAKER & ISOPHASE	[redacted]
G146	SWITCHGEAR	[redacted]
G201	BOILER ISLAND	[redacted]
G204	EMISSIONS MONITORING	[redacted] *
G211	COAL/LIMESTONE HANDLING	[redacted]
G221	CHIMNEY	[redacted]
G222	COOLING TOWER	[redacted]

Stanley Consultants INC.

SMITH STATION UNIT 1
PRELIMINARY ESTIMATED PROJECT COSTS - SEPTEMBER 2010
DATE OF ESTIMATE: DECEMBER 28, 2009

CONTRACT NUMBER	CONTRACT	UNIT 1 ESTIMATE DEC 2009	
G223	CIRCULATING WATER PIPE	[redacted]	
G241	DAM & WATER RESERVOIR /PUMP HOUSE/PERMIT MITIGATION, DEVELOPMENT, AND LAND	[redacted]	*
G261/G262	SUBSTRUCTURE I and II	[redacted]	
G264	ASH SILOS	[redacted]	
G271	TURBINE BUILDING STRUCTURAL STEEL	[redacted]	
G281	BUILDING & MECHANICAL WORK	[redacted]	
G283	ASH HANDLING INSTALLATION	[redacted]	
G285	RIVER WATER INTAKE & PUMPHOUSE	[redacted]	
G311	ELECTRICAL & INSTRUMENTATION WORK	[redacted]	
G332	PAINTING	[redacted]	
G335	OFFICE AND MAINTENANCE BUILDING	[redacted]	
G338	PAVING AND ROAD WORK	[redacted]	
	SUBTOTAL	[redacted]	
	CONTINGENCY (7% of above subtotal)	[redacted]	
	SUBTOTAL		
	ENGINEERING COST	[redacted]	
	ORIGINAL DESIGN		
	MISC. STUDIES		
	CONSTRUCTION MANAGEMENT ASSISTANCE		
	MITIGATION PLAN, DESIGN, AND MANAGEMENT		*
	US ARMY CORP OF ENGINEERS IN-LIEU FEE		*
	PERMITTING COSTS		*
	PERFORMANCE TEST		
	OWNERS COST		*
	SUBTOTAL		
	TOTAL	[redacted]	
	IDC		*
	PROJECT TOTAL		
	SUBSTATION	[redacted]	*
	TRANSMISSION		*
	UNIT 1 TOTAL PROJECT COST	$ 819,333,003	

*Information provided by EKPC.

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

AN INVESTIGATION OF EAST KENTUCKY POWER COOPERATIVE, INC.'S NEED FOR THE SMITH 1 GENERATING FACILITY	)))	PSC CASE NO. 2010-00238

TESTIMONY OF
JULIA J. TUCKER
DIRECTOR OF POWER SUPPLY PLANNING
EAST KENTUCKY POWER COOPERATIVE, INC.

Filed: November 18, 2010

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

AN INVESTIGATION OF EAST KENTUCKY POWER COOPERATIVE, INC.'S NEED FOR THE SMITH 1 GENERATING FACILITY	)))	**PSC CASE NO. 2010-00238**

DIRECT TESTIMONY OF JULIA J. TUCKER, P.E.
ON BEHALF OF EAST KENTUCKY POWER COOPERATIVE, INC.

Q. Please state your name, business address and occupation.

A. My name is Julia J. Tucker and my business address is East Kentucky Power Cooperative (EKPC), 4775 Lexington Road, Winchester, Kentucky 40391. I am Director of Power Supply Planning for EKPC.

Q. Please state your education and professional experience.

A. I received a Bachelor of Science Degree in Electrical Engineering from the University of Kentucky in 1981. I received my Professional Engineer license from the State of Kentucky (Registration No. 15532) in 1988. I completed 18 hours towards a Masters of Business Administration degree. I have maintained my Continuing Education requirements for my P.E. license. I have been employed in various engineering, planning, and management roles with East Kentucky Power for over 23 years.

Q. Please provide a brief description of your duties at EKPC.

A. I am responsible for all generation / resource planning functions at East Kentucky Power, including day ahead planning, mid-term planning, long term resource planning, load forecasting, load research and demand side planning.

Q. What is the purpose of your testimony?

A. The purpose of my testimony is to discuss EKPC's most recent long-term load forecast, EKPC's existing generating capacity, provide information regarding expected sales and reserve requirements, discuss EKPC's demand-side management programs and their impacts, and discuss EKPC's power supply options.

Q. Are you sponsoring any exhibits in this proceeding?

A. Yes. I am sponsoring five exhibits: Exhibit JJT-1, EKPC's 2010 Long-Term Load Forecast; Exhibit JJT-2, EKPC's expected capacity requirements as compared to its existing generating capacity; Exhibit JJT-3, Current and Planned Energy Efficiency and Demand Side Management ("DSM") Programs; Exhibit JJT-4, Expansion Plans; and, Exhibit JJT-5, Production Cost results for each case.

Q. When was EKPC's 2010 Long-Term Load Forecast completed?

A. EKPC completed its preliminary 2010 Long-Term Load Forecast in July. The preliminary load forecast was presented to EKPC's Board of Directors ("Board") in July 2010. After much review and discussion, the Board approved the 2010 Long-Term Load Forecast in November 2010. The Executive Summary from the EKPC 2010 Load Forecast report is included as Exhibit JJT-1. Energy sales and peak demand growth rates range from the 1.0 to 1.8%. This reflects the downward trend that EKPC has experienced in its load growth. Energy sales grew from 1999 to 2004 by an average annual rate of 4.2%; however, from 2004 to 2009, the energy sales grew by an average annual rate of 1.2%.

Q. How often does EKPC complete a load forecast?

A. EKPC completes a load forecast every two years, as required by Rural Utilities Service.

Q. Are there any significant changes in the 2010 load forecast as compared to the 2008

and 2006 load forecasts?

A. Yes. The significant changes include the following:

<u>Economy</u>

EKPC purchases county level projections of economic and demographic variables from IHS Global Insight, a consulting firm with expertise in economic modeling. The 2006 and 2008 economic projections did not project the recession that the US experienced beginning in late 2007. In 2005 when developing the 2006 forecast, the downturn had not yet begun. However, in 2007 when the 2008 forecast was developed, the majority of the member systems had begun to see declines in housing starts and development in their service territory resulting in a more conservative forecast than the 2006 forecast. The 2010 load forecast does have the full impacts of the recession. Most notably, unemployment reached an all time high and is not expected to return to pre-recession levels for nearly 10 years. Related, personal income levels are also projected to be lower than the previous assumptions showed. Therefore, the 20 year projections developed in 2010 for customer growth and energy usage are lower than those in 2008 and 2006. Lastly, the automotive industry experienced sharp declines both in response to the national economic downturn and in Kentucky due to various Toyota recalls which resulted in lower sales and interruptions in automobile manufacturing. EKPC member systems serve many satellite industrial and commercial customers that produce parts for Toyota and, as a result of the aforementioned circumstances, were negatively impacted.

<u>Price</u>

The load forecast incorporates future electricity prices and customers' response to fluctuations in price. The forecast uses the most recent Board approved Twenty-Year

Financial Forecast which is developed in house. The 2010 long term projections are significantly higher than the ones used in the 2008 or the 2006 forecast. These increases are due to costs to build a scrubber on Cooper 2, assumptions about future environmental legislation issues such as carbon, and future power supply resources.

<u>Efficiency</u>

EKPC attains future appliance efficiency improvements from the Department of Energy (DOE) Energy Information Administration (EIA). According to the 2009 update, there are more improvements in HVAC and water heating than previously assumed. These efficiency improvements will result in lower sales as consumers change out older less efficient appliances for newer ones. This impact will be a gradual one. In addition, there are new lighting standards to take effect in 2012.

<u>Direct Load Control</u>

The 2008 and 2010 load forecasts incorporate the impacts of a direct load control program that began implementation in 2008. The program is a voluntary program whereby customers agree to have their water heater(s) and/or air conditioner(s) controlled during peak hours. The goal is to save 15 MW off the winter peak and 60 MW off the summer peak.

Q. Was the decline in projected load incorporated into EKPC's analysis of future power supply needs?

A. Yes. Seven cases comparing power supply options were developed based on the 2010 Load Forecast.

Q. What is EKPC's existing generating capacity?

A. EKPC owns and operates three coal fired generating stations, with a total station normal net capacity of 1,883 MW.

Dale Station consists of four pulverized coal units. Each of the first two units has a station normal net capacity of 23 MW. These two units became commercial on December 1, 1954. The third and fourth units have a station normal net capacity of 75 MW each. The third unit went commercial on October 1, 1957 and the fourth unit went commercial on August 9, 1960. Dale Station has a total station normal net capacity of 196 MW.

Cooper Station consists of two pulverized coal units. The first unit has a station normal net capacity of 116 MW and went commercial on February 9, 1965. The second unit has a station normal net capacity of 225 MW and went commercial on October 28, 1969. Cooper 2 is currently being retrofitted with pollution control equipment that will become operational in 2012. Cooper Station's total station normal net capacity is 341 MW, which will be reduced by approximately 8 MW when the pollution control equipment becomes operational.

Spurlock Station consists of four units, two pulverized coal and two circulating fluidized bed boilers. The first unit has a station normal net capacity of 300 MW and became commercial on September 1, 1977. The second unit has a station normal net capacity of 510 MW and went commercial on March 2, 1981. Both of these units are pulverized coal units and have been retrofitted with pollution control equipment. The third and fourth units are circulating fluidized bed boilers and each has a station normal net capacity of 268 MW. The third unit went commercial on March 1, 2005 and the fourth unit went commercial on April 1, 2009.

Smith Station has three 150 MW gas fired ABB combustion turbines with winter ratings of 150 MW each and summer ratings of 110 MW each. These three units went commercial in 1999. There are four 98 MW gas fired GE 7EA combustion turbines with winter ratings of 98 MW each and summer ratings of 74 MW each. Two of these turbines went into commercial operation in November 2001 and the last two became commercial in January 2005. Two new gas fired LMS 100 GE combustion turbines have winter ratings of 97 MW each and summer net capacity of 83 MW each. These units went into commercial operation in 2010.

Other Generation Resources - In addition, EKPC owns and operates 16.8 MW of landfill gas generating plant capacity.

In total, EKPC owns and operates 2,936 MW of generating capacity, based on winter temperature ratings.

EKPC purchases 170 MW of hydropower from the Southeastern Power Administration ("SEPA") on a long-term basis. The 70 MW at Laurel Dam has continued to be reliable capacity. However, due to various dam repair projects, the 100 MW provided from the Cumberland System has not been dependable capacity during the past few years and is not expected to be considered dependable for another two to three years. Once the dam repairs are completed, the capacity should return to firm dependable status for the long term.

EKPC also has a contract with Duke Energy Ohio to purchase the output of the Greenup Hydro facility through 2010. Greenup Hydro is run-of-river generation located on the Ohio River with an average winter capacity of 35 MW. This contract will expire on December 31, 2010.

Q. How does EKPC's existing generation capabilities compare to its expected capacity and energy requirements going forward for the next 20 years?

A. EKPC has adequate summer capacity for the next several years, until approximately

2020. However, EKPC is a winter peaking system, and is already lacking sufficient capacity to cover its winter peak load plus reserves. This data is reflected in Exhibit JJT-2. The expected energy requirements will drive the type of capacity that EKPC will need to acquire, such as peaking versus intermediate versus base load. EKPC's average monthly load is a rough indicator of base load capacity needs. Based on this assumption, EKPC does not need additional base load capacity until approximately 2018. The seven cases to be compared for this analysis were developed based on the peak capacity requirements and the expected energy requirements. If a plan has too much or too little cost effective energy resources, it will be reflected in the total cost of the plan.

Q. What are EKPC's existing energy efficiency and demand side management programs and how do they impact EKPC's forecast?

A. For over 20 years, EKPC and its 16 member systems have promoted the cost-effective use of energy by offering conservation and other marketing programs to the retail customer. These programs were designed to meet the needs of the customer, and to delay the need for additional generating capacity.

These programs are implemented and administered by the member distribution systems. EKPC supports the member systems with analysis, promotional material, incentives, and other support services. EKPC considers these programs a part of its overall supply portfolio, with the understanding that the programs benefit EKPC indirectly, through its member systems.

To incorporate into the 2010 long term load forecast, a demand side management plan was developed to curtail load. The plan includes programs that are currently in existence and offered by EKPC's member systems to its customers as well as new programs.

Existing programs include:

Electric Thermal Storage Incentive Program

- Tune-Up HVAC Maintenance Program
- Button-up Weatherization Program
- Touchstone Energy Home Program
- Touchstone Energy Manufactured Home Program
- Compact Fluorescent Lighting Program
- Commercial Advanced Lighting
- Interruptible rates for industrial customers

New Programs include:

- Button-up Weatherization with Air Sealing Program
- Air Source Heat Pump replacing resistance heat
- Dual Fuel
- Industrial Compressed Air
- Direct Load Control of Air Conditioners and Water Heaters

Estimated demand and energy impacts as well as descriptions of the programs are shown on Exhibit JJT-3. The net total winter peak demand impact grows from 141 MW in 2010 to over 220 MW at the end of the 20 year period.

Q. Will you please describe EKPC's production costing model?

A. The primary model used in developing the production costs for each of the evaluated scenarios was RTSim from Simtec, Inc., of Madison, WI. The RTSim production cost model calculates the hour-by-hour operation of the generation system including unit hourly generation, commitment, power purchases and sales, including economy and day ahead transactions, and daily and monthly options. Generating unit input includes expected operating characteristics, Monte Carlo forced outages, unit ramp rates, and unit startup characteristics. The RTSim model uses a Monte Carlo simulation to capture the statistical variations of unit forced outages and deratings. The production cost model is simulating the actual operation of the power system in supplying the projected customer loads using the assumptions.

Input assumptions for the load are based on the information described in Exhibit JJT-1. Fuel, emission, variable O & M, purchase and sales costs are listed in Exhibit JJT-5. Also shown by unit in Exhibit JJT-5 is heat rate and unit availability data.

Q. Describe each case evaluated/modeled.

A. Case 1: Smith 1 as planned (2014 completion) – Base Case

Case 2: Delay Smith 1 for 2 years (2016 completion)

Case 3: Delay Smith 1 for 4 years (2018 completion)

Case 4: Cancel Smith 1, build a combined cycle unit in the optimal time frame

Case 5: Cancel Smith 1, provide all future power supply needs with a combination of increased DSM efforts and renewable generation resources

Case 6: Cancel Smith 1, depend on Purchased Power until 2022 then construct combined cycle generation

Case 7: Cancel Smith 1, sell the equipment to an entity constructing a similar plant and enter into a long term purchase agreement with same entity

See Exhibit JJT-4 for the capacity expansion plan for each case.

Q. In Case 3, why is EKPC using a four-year delay assumption versus a five-year delay?

A. The optimal time frame to construct a combined cycle unit in Case 4 is 2018. If Smith 1 were delayed five years it would come on line in 2019. The year difference between the two cases would have reflected potential savings in capital investments in two different years. Putting the capital investment in the same year gave a more appropriate comparison between cases, comparing the actual difference in resource costs and not reflecting a timing differential.

Q. What was the output of the production costing model?

A. Exhibit JJT-5 reflects the production data by unit for each case. The exhibit includes the capacity factor, availability factor, average heat rate, fuel cost, variable O&M costs, emission costs and total variable production cost by unit. It also shows expected off-system purchases and sales by case.

Q. How do the results of the production costing model flow to the financial forecasting model?

A. As discussed in Mr. Stansberry's testimony, the results of the production cost model are summarized in a spreadsheet format and electronically incorporated into the financial forecasting software.

Q. Does this conclude your testimony?

A. Yes.

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In re the Matter of:

AN INVESTIGATION OF EAST KENTUCKY POWER COOPERATIVE, INC. 'S NEED FOR THE SMITH 1 GENERATING FACILITY	**)))**	**CASE NO. 2010-00238**

<u>A F F I D A V I T</u>

STATE OF KENTUCKY	**)**
	)
COUNTY OF CLARK	**)**

Julia J. Tucker, being duly sworn, states that she has read the foregoing prepared testimony and that she would respond in the same manner to the questions if so asked upon taking the stand, and that the matters and things set forth therein are true and correct to the best of her knowledge, information and belief.

Julia J. Tucker

Subscribed and sworn before me on this 17th day of November, 2010.

Gwyn M. Willoughby

Notary Public

MY COMMISSION EXPIRES NOVEMBER 30, 2013
NOTARY ID #409352

SECTION 1.0

EXECUTIVE SUMMARY

Section 1.0
Executive Summary

East Kentucky Power Cooperative Inc. (EKPC) is a generation and transmission electric cooperative located in Winchester, Kentucky. EKPC is owned by 16 member distribution cooperatives who serve approximately 520,000 retail meters. Member distribution cooperatives served by EKPC include:

Big Sandy RECC	Jackson Energy Cooperative
Blue Grass Energy Coop. Corp.	Licking Valley RECC
Clark Energy Cooperative, Inc.	Nolin RECC
Cumberland Valley Electric	Owen Electric Cooperative
Farmers RECC	Salt River Electric Cooperative
Fleming-Mason Energy Cooperative	Shelby Energy Cooperative, Inc.
Grayson RECC	South Kentucky RECC
Inter-County Energy Coop. Corp.	Taylor County RECC

EKPC's load forecast is prepared every two years in accordance with EKPC's Rural Utilities Service (RUS) approved Work Plan. The Work Plan details the methodology used in preparing the projections. EKPC prepares the load forecast by working jointly with each member system to prepare their load forecast. Member projections are then summed to determine EKPC's forecast for the 20-year period. Member cooperatives use their load forecasts in developing construction work plans, long range work plans, and financial forecasts. EKPC uses the load forecast in such areas as demand-side management analyses, marketing analyses, transmission planning, power supply planning, and financial forecasting.

EKPC's load forecast indicates that total energy requirements are projected to increase by 1.6 percent per year over the 2010 through 2030 period. Net winter peak demand will increase by approximately 1,000 MW, and net summer peak demand will increase by approximately 800 MW. Annual load factor projections are remaining steady at approximately 50 percent. Historical and projected total energy requirements, seasonal peak demands, and annual load factor for the EKPC system are presented in Table 1-1 (page 5). Peak demands are based on coincident hourly-integrated demand intervals. Load Factor is calculated using net peak demand and energy requirements.

Energy projections for the residential, small commercial, and large commercial classifications indicate that during the 2010 through 2030 period, sales to the residential class will increase by 1.4 percent per year, and total commercial and industrial sales will increase by 2.3 percent per year. Class sales are presented in Table 1-5. One member system serves a thin-slab steel mill. This large load is on an interruptible rate and the forecast assumes 360 hours of interruption each year.

Energy Sales and Peak Demands Growth Rates			
	2010-2015	**2010-2020**	**2010-2030**
Total Net Energy Requirements	1.1%	1.4%	1.6%
Residential Sales	0.7%	1.2%	1.4%
Total Commercial and Industrial Sales (Excluding steel milll)	2.7%	2.5%	2.3%
Net Winter Peak Demand	1.9%	1.8%	1.8%
Net Summer Peak Demand	1.0%	1.3%	1.6%

Factors considered in preparing the forecast include national, regional, and local economic performance, population and housing trends, service area industrial development, electric price, household income, appliance saturations and efficiencies, demand-side management programs, and weather. A demand-side impacted load forecast is presented in Table 1-1. Details of the demand-side management plan are provided in Section 8 of this report.

Table 1-1

Peak Demands and Total Requirements
~Historical and Projected~

Season	Net Winter Peak Demand (MW)	Year	Net Summer Peak Demand (MW)	Year	Total Net Requirements (MWh)	Load Factor (%)
1989 - 90	1,449	1990	1,079	1990	5,489,092	43%
1990 - 91	1,306	1991	1,164	1991	5,958,422	52%
1991 - 92	1,383	1992	1,131	1992	6,099,308	50%
1992 - 93	1,473	1993	1,309	1993	6,860,902	53%
1993 - 94	1,788	1994	1,314	1994	6,917,414	44%
1994 - 95	1,621	1995	1,466	1995	7,761,980	55%
1995 - 96	1,915	1996	1,452	1996	8,505,621	51%
1996 - 97	1,953	1997	1,549	1997	8,850,394	52%
1997 - 98	1,696	1998	1,671	1998	9,073,950	61%
1998 - 99	1,988	1999	1,750	1999	9,825,866	56%
1999 - 00	2,157	2000	1,855	2000	10,521,400	56%
2000 - 01	2,295	2001	1,864	2001	10,750,900	53%
2001 - 02	2,109	2002	2,001	2002	11,456,830	62%
2002 - 03	2,459	2003	1,871	2003	11,568,314	54%
2003 - 04	2,513	2004	1,955	2004	11,865,797	54%
2004 - 05	2,622	2005	2,180	2005	12,527,829	55%
2005 - 06	2,492	2006	2,196	2006	12,331,272	56%
2006 - 07	2,757	2007	2,354	2007	13,080,367	54%
2007 - 08	2,964	2008	2,102	2008	12,948,091	50%
2008 - 09	3,126	2009	2,089	2009	12,380,972	45%
2009 - 10	2,748	2010	2,223	2010	12,781,011	53%
2010 - 11	3,006	2011	2,238	2011	12,855,553	49%
2011 - 12	3,033	2012	2,263	2012	13,024,858	49%
2012 - 13	3,059	2013	2,282	2013	13,124,067	49%
2013 - 14	3,101	2014	2,309	2014	13,318,597	49%
2014 - 15	3,147	2015	2,334	2015	13,516,766	49%
2015- 16	3,189	2016	2,359	2016	13,739,363	49%
2016 - 17	3,245	2017	2,402	2017	13,942,214	49%
2017 - 18	3,305	2018	2,449	2018	14,197,087	49%
2018 - 19	3,366	2019	2,497	2019	14,455,338	49%
2019 - 20	3,414	2020	2,535	2020	14,708,052	49%
2020 - 21	3,489	2021	2,593	2021	14,985,721	49%
2021 - 22	3,547	2022	2,640	2022	15,245,494	49%
2022 - 23	3,613	2023	2,693	2023	15,535,729	49%
2023 - 24	3,666	2024	2,736	2024	15,822,155	49%
2024 - 25	3,737	2025	2,792	2025	16,090,554	49%
2025 - 26	3,801	2026	2,844	2026	16,376,707	49%
2026 - 27	3,862	2027	2,895	2027	16,655,371	49%
2027 - 28	3,906	2028	2,932	2028	16,909,157	49%
2028 - 29	3,973	2029	2,988	2029	17,167,095	49%
2029 - 30	4,053	2030	3,050	2030	17,464,640	49%

Table 1-2

Historical and Projected Winter Peak Demand

	Unadjusted Peak Demand (MW)	DSM Impact (MW)	Adjusted Peak Demand (MW)
1989 - 90	1,449	0	1,449
1990 - 91	1,306	0	1,306
1991 - 92	1,383	0	1,383
1992 - 93	1,473	0	1,473
1993 - 94	1,788	0	1,788
1994 - 95	1,621	0	1,621
1995 - 96	1,990	75	1,915
1996 - 97	2,004	51	1,953
1997 - 98	1,789	107	1,682
1998 - 99	2,096	125	1,971
1999 - 00	2,169	29	2,140
2000 - 01	2,322	44	2,278
2001 - 02	2,238	146	2,092
2002 - 03	2,568	133	2,435
2003 - 04	2,610	123	2,487
2004 - 05	2,719	104	2,615
2005 - 06	2,599	122	2,477
2006 - 07	2,840	91	2,749
2007 - 08	3,051	95	2,956
2008 - 09	3,152	49	3,103
2009 - 10	2,868	129	2,739
2010 - 11	3,154	148	3,006
2011 - 12	3,189	155	3,033
2012 - 13	3,223	164	3,059
2013 - 14	3,273	172	3,101
2014 - 15	3,327	180	3,147
2015- 16	3,377	189	3,189
2016 - 17	3,440	195	3,245
2017 - 18	3,505	200	3,305
2018 - 19	3,571	206	3,366
2019-20	3,622	208	3,414
2020-21	3,699	210	3,489
2021-22	3,759	212	3,547
2022-23	3,827	214	3,613
2023-24	3,881	216	3,666
2024-25	3,954	217	3,737
2025-26	4,019	218	3,801
2026-27	4,082	220	3,862
2027-28	4,127	222	3,906
2028-29	4,196	223	3,973
2029-30	4,260	207	4,053

Impacts from interruptible contracts have been subtracted.

Table 1-3

Historical and Projected Summer Peak Demand

	Unadjusted Peak Demand (MW)	DSM Impact (MW)	Adjusted Peak Demand (MW)
1990	1,079	0	1,079
1991	1,164	0	1,164
1992	1,131	0	1,131
1993	1,309	0	1,309
1994	1,314	0	1,314
1995	1,518	52	1,466
1996	1,540	88	1,452
1997	1,650	101	1,549
1998	1,675	21	1,654
1999	1,754	16	1,738
2000	1,941	109	1,832
2001	1,980	139	1,841
2002	2,120	142	1,978
2003	1,996	151	1,845
2004	2,052	104	1,948
2005	2,180	10	2,170
2006	2,332	144	2,188
2007	2,481	135	2,346
2008	2,243	149	2,094
2009	2,195	114	2,081
2010	2,369	146	2,223
2011	2,395	157	2,238
2012	2,430	167	2,263
2013	2,461	179	2,282
2014	2,499	190	2,309
2015	2,535	202	2,334
2016	2,572	213	2,359
2017	2,620	219	2,402
2018	2,670	221	2,449
2019	2,721	224	2,497
2020	2,759	224	2,535
2021	2,818	224	2,593
2022	2,865	225	2,640
2023	2,917	225	2,693
2024	2,961	225	2,736
2025	3,017	224	2,792
2026	3,067	224	2,844
2027	3,119	224	2,895
2028	3,157	224	2,932
2029	3,213	225	2,988
2030	3,264	214	3,050

Impacts from interruptible contracts have been subtracted.

Table 1-4
Historical and Projected Total Requirements

	Unadjusted Energy (MWh)	Estimated DSM Impact (MWh)	Total Requirements (MWh)
1990	5,489,092	0	5,489,092
1991	5,958,422	0	5,958,422
1992	6,099,308	0	6,099,308
1993	6,860,902	0	6,860,902
1994	6,917,414	0	6,917,414
1995	7,796,980	35,000	7,761,980
1996	8,540,621	35,000	8,505,621
1997	8,885,394	35,000	8,850,394
1998	9,108,950	35,000	9,073,950
1999	9,860,866	35,000	9,825,866
2000	10,556,400	35,000	10,521,400
2001	10,785,900	35,000	10,750,900
2002	11,491,830	35,000	11,456,830
2003	11,603,314	35,000	11,568,314
2004	11,900,797	35,000	11,865,797
2005	12,569,829	42,000	12,527,829
2006	12,373,272	42,000	12,331,272
2007	13,122,367	42,000	13,080,367
2008	12,990,091	42,000	12,948,091
2009	12,422,972	42,000	12,380,972
2010	12,838,995	57,984	12,781,011
2011	12,933,784	78,231	12,855,553
2012	13,123,079	98,220	13,024,858
2013	13,248,916	124,850	13,124,067
2014	13,469,609	151,011	13,318,597
2015	13,695,339	178,573	13,516,766
2016	13,945,172	205,809	13,739,363
2017	14,168,260	226,047	13,942,214
2018	14,440,867	243,780	14,197,087
2019	14,717,117	261,779	14,455,338
2020	14,968,552	260,500	14,708,052
2021	15,242,854	257,133	14,985,721
2022	15,499,459	253,965	15,245,494
2023	15,784,559	248,830	15,535,729
2024	16,066,805	244,650	15,822,155
2025	16,329,096	238,542	16,090,554
2026	16,609,551	232,844	16,376,707
2027	16,889,740	234,369	16,655,371
2028	17,144,635	235,477	16,909,157
2029	17,402,612	235,517	17,167,095
2030	17,680,570	215,930	17,464,640

Impacts from interruptible contracts have been subtracted.
Historical energy impacts for DSM and interruptible loads are not directly metered and therefore are estimated.

Table 1-5
Class sales shown are before the impacts of DSM

Year	Residential Sales (MWh)	Seasonal Sales (MWh)	Small Comm. Sales (MWh)	Public Buildings (MWh)	Large Comm. Sales (MWh)	Public Street And Highway Lighting Sales (MWh)	Total Retail Sales (MWh)
1990	3,497,574	9,094	813,371	9,096	653,502	3,737	4,986,373
1991	3,770,962	9,423	868,031	9,871	725,419	4,029	5,387,735
1992	3,813,577	9,756	913,599	11,586	776,268	4,304	5,529,089
1993	4,230,486	10,144	980,301	13,779	968,345	5,081	6,208,135
1994	4,285,099	10,280	1,014,549	14,240	1,026,927	4,156	6,355,251
1995	4,592,909	11,066	1,097,729	15,889	1,414,196	5,042	7,136,833
1996	4,875,662	12,342	1,138,469	16,785	1,829,516	5,555	7,878,329
1997	4,901,058	11,888	1,163,683	16,272	2,012,108	5,663	8,110,671
1998	5,109,002	11,476	1,230,450	17,315	2,041,910	5,601	8,415,754
1999	5,320,858	11,496	1,336,957	17,765	2,316,814	5,756	9,009,646
2000	5,626,500	12,479	1,446,958	18,280	2,409,695	6,160	9,520,072
2001	5,797,895	12,769	1,505,480	18,865	2,658,579	6,545	10,000,133
2002	6,166,723	14,076	1,577,590	20,453	2,803,844	7,107	10,589,793
2003	6,205,364	13,445	1,550,248	21,754	2,881,780	7,447	10,680,038
2004	6,337,737	13,846	1,598,111	22,974	3,037,246	7,498	11,017,413
2005	6,751,547	14,501	1,733,390	22,530	3,013,699	7,713	11,543,379
2006	6,548,160	13,882	1,777,897	22,196	3,057,184	8,236	11,427,556
2007	6,998,554	14,679	1,861,952	26,427	3,124,043	8,457	12,034,113
2008	7,055,277	14,531	1,872,811	34,074	3,083,589	9,477	12,069,760
2009	6,789,142	13,080	1,787,112	35,507	2,831,935	9,065	11,465,842
2010	6,916,947	13,434	1,820,349	35,741	3,035,175	9,217	11,830,863
2011	6,919,599	13,419	1,846,959	36,195	3,092,314	9,505	11,917,991
2012	6,944,934	13,455	1,877,310	36,596	3,210,477	9,711	12,092,483
2013	6,957,738	13,333	1,917,456	37,314	3,272,546	9,937	12,208,323
2014	7,055,893	13,570	1,959,197	38,037	3,335,403	10,160	12,412,259
2015	7,159,616	13,790	2,001,631	38,752	3,395,326	10,382	12,619,498
2016	7,281,181	14,097	2,044,932	39,450	3,459,446	10,601	12,849,707
2017	7,391,828	14,359	2,089,551	40,127	3,508,475	10,820	13,055,162
2018	7,523,977	14,682	2,134,733	40,784	3,581,071	11,039	13,306,286
2019	7,661,291	15,007	2,180,098	41,444	3,651,747	11,256	13,560,843
2020	7,788,470	15,389	2,225,634	42,105	3,709,435	11,475	13,792,507
2021	7,923,044	15,831	2,271,700	42,768	3,780,129	11,693	14,045,165
2022	8,056,599	16,290	2,317,291	43,396	3,836,002	11,908	14,281,486
2023	8,203,953	16,774	2,362,531	44,026	3,904,812	12,124	14,544,221
2024	8,351,660	17,235	2,407,717	44,669	3,970,782	12,339	14,804,401
2025	8,482,142	17,589	2,453,143	45,327	4,035,146	12,556	15,045,903
2026	8,625,165	18,070	2,499,227	45,986	4,103,086	12,774	15,304,309
2027	8,764,282	18,593	2,545,021	46,621	4,174,930	12,989	15,562,437
2028	8,893,234	18,928	2,590,457	47,232	4,234,283	13,203	15,797,336
2029	9,010,609	19,163	2,635,782	47,870	4,308,104	13,418	16,034,945
2030	9,163,386	19,694	2,681,368	48,548	4,367,000	13,631	16,293,627

Impacts of interruptible contracts have been subtracted.

Table 1-5 continued

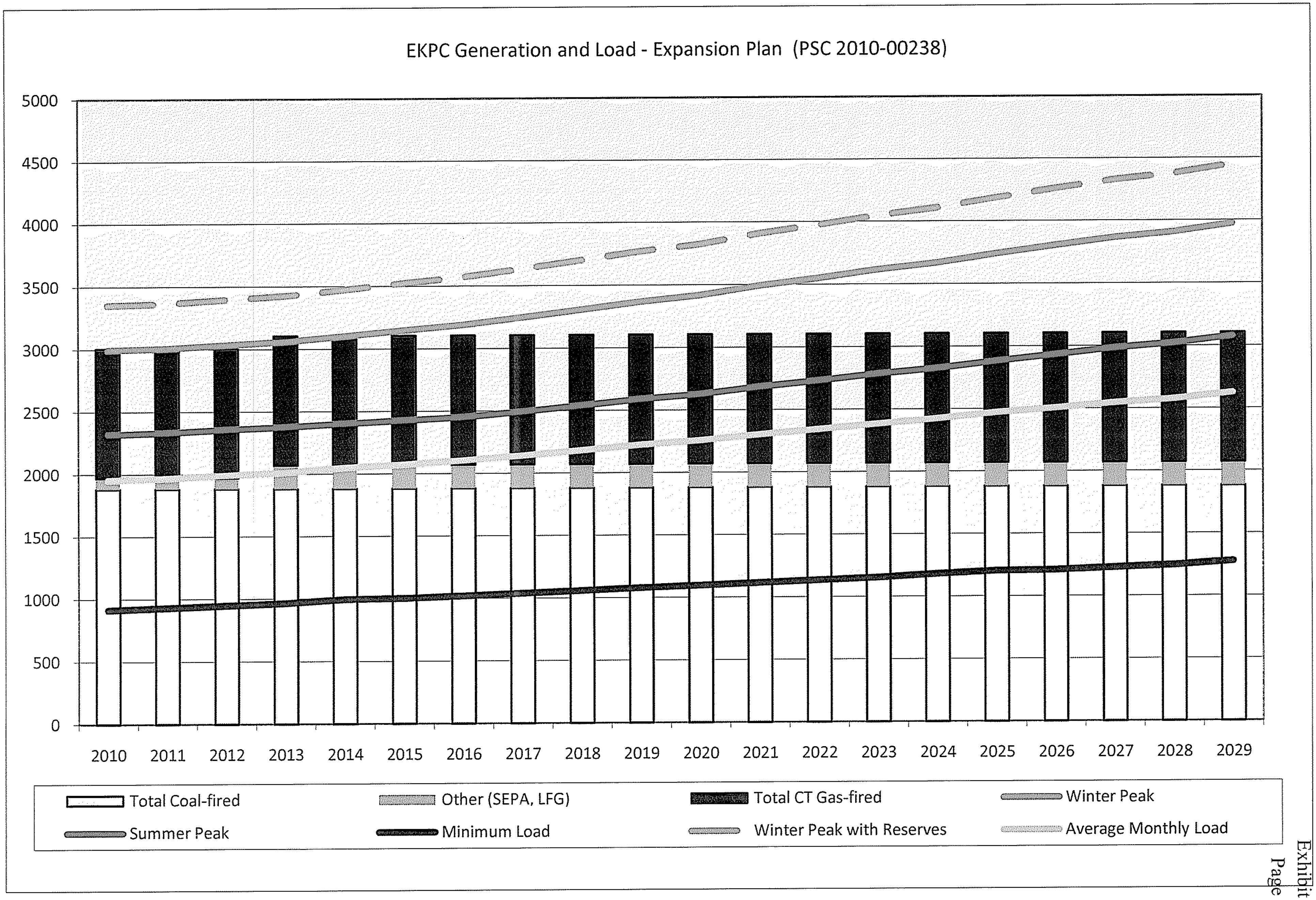
Year	Total Retail Sales (MWh)	Office Use (MWh)	% Loss	EKPC Sales to Members (MWh)	EKPC Office Use (MWh)	Transmission Loss (%)	Unadjusted Total Requirements (MWh)	Additional DSM Impact (MWh)	Adjusted Total Requirements (MWh)
1990	4,986,373	5,087	5.7	5,295,459	6,287	3.5	5,489,092		
1991	5,387,735	5,333	6.3	5,755,588	6,798	3.4	5,958,422		
1992	5,529,089	5,242	6.2	5,903,267	7,559	3.2	6,099,308		
1993	6,208,135	5,552	6.0	6,612,688	8,026	3.6	6,860,902		
1994	6,355,251	5,614	5.5	6,727,959	8,541	2.7	6,917,414		
1995	7,136,833	5,711	5.5	7,558,452	9,197	2.6	7,761,980		
1996	7,878,329	6,167	5.0	8,301,379	8,856	2.4	8,505,621		
1997	8,110,671	6,349	5.2	8,559,022	8,505	3.3	8,850,394		
1998	8,415,754	6,121	4.5	8,821,630	7,236	2.8	9,073,950		
1999	9,009,646	6,040	4.8	9,468,916	8,157	3.7	9,825,866		
2000	9,520,072	6,606	5.0	10,027,205	7,862	4.8	10,521,400		
2001	10,000,133	6,793	4.0	10,426,995	8,205	3.0	10,750,900		
2002	10,589,793	7,562	4.3	11,071,862	8,818	3.4	11,456,830		
2003	10,680,038	7,681	4.5	11,190,870	9,123	3.3	11,568,314		
2004	11,017,413	8,289	4.4	11,537,505	9,106	2.8	11,865,797		
2005	11,543,379	8,617	4.2	12,060,460	8,902	3.8	12,527,829		
2006	11,427,556	8,924	3.8	11,892,304	7,568	3.6	12,331,272		
2007	12,034,113	10,291	4.3	12,582,260	7,491	3.9	13,080,367		
2008	12,069,760	10,431	4.5	12,646,146	7,912	2.3	12,948,091		
2009	11,465,842	10,116	4.2	11,981,909	8,247	3.3	12,380,972		
2010	11,830,863	10,225	4.2	12,365,949	8,297	3.3	12,796,531	15,520	12,781,011
2011	11,917,991	10,225	4.2	12,457,380	8,330	3.3	12,891,117	35,564	12,855,553
2012	12,092,483	10,225	4.3	12,640,470	8,417	3.3	13,080,545	55,687	13,024,858
2013	12,208,323	10,225	4.3	12,762,031	8,436	3.3	13,206,274	82,208	13,124,067
2014	12,412,259	10,225	4.3	12,975,995	8,478	3.3	13,427,584	108,986	13,318,597
2015	12,619,498	10,225	4.3	13,193,494	8,521	3.3	13,652,549	135,783	13,516,766
2016	12,849,707	10,225	4.3	13,435,050	8,563	3.3	13,902,392	163,029	13,739,363
2017	13,055,162	10,225	4.3	13,650,646	8,606	3.3	14,125,390	183,176	13,942,214
2018	13,306,286	10,225	4.3	13,914,159	8,649	3.3	14,397,940	200,853	14,197,087
2019	13,560,843	10,225	4.3	14,181,268	8,693	3.3	14,674,210	218,871	14,455,338
2020	13,792,507	10,225	4.3	14,424,359	8,736	3.3	14,925,642	217,589	14,708,052
2021	14,045,165	10,225	4.3	14,689,483	8,780	3.3	15,199,858	214,137	14,985,721
2022	14,281,486	10,225	4.3	14,937,462	8,824	3.3	15,456,345	210,852	15,245,494
2023	14,544,221	10,225	4.3	15,213,154	8,868	3.3	15,741,491	205,762	15,535,729
2024	14,804,401	10,225	4.3	15,486,159	8,912	3.3	16,023,858	201,703	15,822,155
2025	15,045,903	10,225	4.3	15,739,582	8,957	3.3	16,285,976	195,422	16,090,554
2026	15,304,309	10,225	4.3	16,010,733	9,001	3.3	16,566,426	189,719	16,376,707
2027	15,562,437	10,225	4.4	16,281,592	9,046	3.3	16,846,575	191,204	16,655,371
2028	15,797,336	10,225	4.4	16,528,072	9,092	3.3	17,101,514	192,356	16,909,157
2029	16,034,945	10,225	4.4	16,777,406	9,137	3.3	17,359,403	192,309	17,167,095
2030	16,293,627	10,225	4.4	17,048,845	9,183	3.3	17,640,153	175,513	17,464,640

Impacts of interruptible contracts have been subtracted.

Demand and Energy Requirements

	Peak Demand		Reserves Required		Required Capacity		Existing Capacity		Capacity Surplus/(Deficit)		Total Energy Requirements	Energy Available from Existing Generation	Energy Surplus/(Deficit)
	Win	Sum	Win	Sum	Win	Sum	Win	Sum	Win	Sum			
2006	2744	2336	329	280	3073	2616	2753	2542	(320)	(74)	12,206,412	8,359,068	(3,847,344)
2007	2859	2487	343	298	3202	2785	2653	2442	(549)	(343)	13,006,363	8,359,068	(4,647,295)
2008	3033	2254	364	270	3397	2524	2653	2442	(744)	(82)	12,957,993	8,359,068	(4,598,925)
2009	3149	2177	378	261	3527	2438	2616	2673	(911)	234	12,371,602	9,838,282	(2,533,320)
2010	2994	2320	359	278	3353	2598	3081	2842	(272)	244	12,831,350	9,838,282	(2,993,068)
2011	3006	2335	361	280	3367	2615	3046	2802	(321)	187	13,000,540	9,838,282	(3,162,258)
2012	3033	2359	364	283	3397	2642	3038	2794	(359)	152	13,099,712	9,838,282	(3,261,430)
2013	3059	2378	367	285	3426	2663	3138	2894	(288)	231	13,294,199	9,838,282	(3,455,917)
2014	3101	2405	372	289	3473	2694	3138	2894	(335)	200	13,492,362	9,838,282	(3,654,080)
2015	3147	2429	378	291	3525	2720	3138	2894	(387)	174	13,714,937	9,838,282	(3,876,655)
2016	3189	2453	383	294	3572	2747	3138	2894	(434)	147	13,917,699	9,838,282	(4,079,417)
2017	3245	2495	389	299	3634	2794	3138	2894	(496)	100	14,172,526	9,838,282	(4,334,244)
2018	3305	2543	397	305	3702	2848	3138	2894	(564)	46	14,430,752	9,838,282	(4,592,470)
2019	3366	2591	404	311	3770	2902	3138	2894	(632)	(8)	14,683,427	9,838,282	(4,845,145)
2020	3414	2627	410	315	3824	2942	3138	2894	(686)	(48)	14,961,045	9,838,282	(5,122,763)
2021	3489	2685	419	322	3908	3007	3138	2894	(770)	(113)	15,220,793	9,838,282	(5,382,511)
2022	3547	2731	426	328	3973	3059	3138	2894	(835)	(165)	15,510,989	9,838,282	(5,672,707)
2023	3613	2783	434	334	4047	3117	3138	2894	(909)	(223)	15,797,369	9,838,282	(5,959,087)
2024	3666	2826	440	339	4106	3165	3138	2894	(968)	(271)	16,065,716	9,838,282	(6,227,434)
2025	3737	2882	448	346	4185	3228	3138	2894	(1,047)	(334)	16,351,807	9,838,282	(6,513,525)
2026	3801	2932	456	352	4257	3284	3138	2894	(1,119)	(390)	16,630,476	9,838,282	(6,792,194)
2027	3862	2983	463	358	4325	3341	3138	2894	(1,187)	(447)	16,884,156	9,838,282	(7,045,874)
2028	3906	3020	469	362	4375	3382	3138	2894	(1,237)	(488)	17,142,068	9,838,282	(7,303,786)
2029	3973	3076	477	369	4450	3445	3138	2894	(1,312)	(551)	17,439,558	9,838,282	(7,601,276)

Exhibit JJT-2
Page 2 of 2



Residential/Commercial DSM Plan
East Kentucky Power

Estimated demand and energy impacts as well as descriptions of the programs are shown below:

Program Descriptions

Electric Thermal Storage Incentive Program: Provides retail members with a cost-efficient means of using electricity for space heating. A discounted rate for ETS energy encourages retail members to use electricity for heating during off peak hours. This improves the utility's load factor, reduces energy costs for the retail member, and delays the need for new peak load capacity expenses.

Tune-Up HVAC Maintenance Program: This program offers the cleaning of indoor and outdoor heat exchanger coils, checking filters, measuring the temperature differential across the indoor coil to determine proper compressor operation, checking the thermostat to verify operation and proper staging, measuring air flow to ensure proper conditioned air distribution, and sealing the ductwork, either through traditional mastic sealers or with the *Aeroseal* duct-sealing program. Duct losses are to be reduced to 10% or less.

Button-Up Weatherization/Button-Up Weatherization with Air Sealing Program: The program requires the installation of insulation materials or the use of other weatherization techniques to reduce heat loss in the home. Any retail member who resides in a stick-built or manufactured home that is at least two years old and uses electricity as the primary source for space heat is eligible. In addition to the current program, EKPC is adding an option to also seal the envelope of the home.

Touchstone Energy New Construction Program (Heat Pump and Geothermal):
This program builds upon the existing Touchstone Energy Home program by introducing new measures and approaches. If implemented, this program would replace the existing Touchstone Energy Home program. The enhancements include thermal sealing/thermal bypass, and R-38 attic insulation. The program is designed to encourage new homes to be built to higher standards for thermal integrity and equipment efficiency, as well as to choose geothermal or an air source heat pump (SEER 13 HSPF 8.0) rather than less efficient forms of heating. The program is modeled after the ENERGY STAR for New Homes program. Homes built to Touchstone Energy Home Standards typically use 30% less energy than the same home built to typical construction standards.

Touchstone Energy Manufactured Home: The Touchstone Energy Manufactured Home is an all-electric manufactured home that is built to Energy Star® specifications. A manufactured home that is built to these standards typically uses 30% less energy, saving money and reducing greenhouse emissions. The Touchstone Energy Home includes a sealed duct system, energy efficient double-pane windows, added insulation in the roof and wall, and an improved gasket that seals the halves of the home together.

Compact Fluorescent Lighting Program: This program provides compact fluorescent bulbs to retail members at the annual meetings held by the distribution cooperatives every year. Each registered member receives a two-pack of compact fluorescent bulbs that replace 2 incandescent light bulbs.

Commercial Advanced Lighting including LED Program: This program offers incentives to commercial and industrial customers to install high efficiency lamps and ballasts in their facilities. LED exit signs, T-5 fluorescent fixtures, and advanced controls are examples of eligible technologies. This program is designed as an enhanced version of the existing commercial lighting program and will replace that program when implemented. This advanced lighting program is expected to produce higher levels of savings in each facility.

Interruptible Rates for Industrial Customers: Industrial customers may agree to accept a lesser rate upon agreement to allow EKPC to interrupt load during peak hours.

Air Source Heat Pump Program (Replacing resistance heat -10 years or older):
This program provides incentives for residential customers to install a high efficiency air source heat pump instead of an electric resistance furnace and/or central air conditioner in the home. The existing furnace must be 10 years or older to qualify for incentives.

Dual Fuel: This program will provide incentives for residential customers to replace an existing resistance heat furnace with a combination heat pump/gas heat furnace (Dual Fuel). This program will provided added energy savings while allowing fuel switching to gas at temperatures less than 30 degrees.

Industrial Compressed Air Program: This program is designed to reduce electricity consumption through a comprehensive approach to efficient production and delivery of compressed air in industrial facilities. The program includes (1) training of plant staff; (2) a detailed system assessment of the plant's compressed air system including written findings and recommendations, and (3) incentives for capital-intensive improvements.

Direct Load Control of Residential Air Conditioners and Water Heaters Program: This program is currently being implemented. The objective of the program is to reduce peak demand and energy usage through the installation of load control devices on residential air conditioners and electric water heaters. Peak demand reduction is accomplished by cycling equipment on and off according to a predetermined control strategy. Central air conditioning and heat pump units are cycled on and off, while water heater loads are curtailed. Participating customers receive an annual bill credit incentive.

DSM for 2010 Load Forecast

	EXISTING			DLC			NEW			GRAND TOTAL		
	Annual MWh	Summer Peak kW	Winter Peak kW	Annual MWh	Summer Peak kW	Winter Peak kW	Annual MWh	Summer Peak kW	Winter Peak kW	Annual MWh	Summer Peak kW	Winter Peak kW
2010	51,638	137,146	138,603	158	7,714	1,989	6,164	492	676	57,960	145,352	141,268
2011	63,147	138,805	141,757	316	15,427	3,978	14,733	1,144	2,331	78,196	155,376	148,066
2012	74,318	140,465	144,910	475	23,141	5,967	23,303	1,795	3,986	98,096	165,401	154,863
2013	89,501	142,679	149,115	630	30,856	7,957	34,777	2,669	6,195	124,908	176,204	163,267
2014	103,963	144,894	153,320	789	38,569	9,946	46,252	3,544	8,403	151,004	187,007	171,669
2015	119,804	147,108	157,526	946	46,284	11,934	57,728	4,419	10,611	178,478	197,811	180,071
2016	134,872	149,321	161,730	1,105	53,998	13,923	69,202	5,294	12,820	205,179	208,613	188,473
2017	146,115	151,096	165,321	1,151	56,371	14,536	78,879	5,971	14,887	226,145	213,438	194,744
2018	155,853	152,702	168,683	1,151	56,371	14,536	87,085	6,491	16,836	244,089	215,564	200,055
2019	165,516	154,309	172,042	1,151	56,371	14,536	95,290	7,012	18,787	261,957	217,692	205,365
2020	162,298	154,317	173,580	1,151	56,371	14,536	96,227	7,289	19,499	259,676	217,977	207,615
2021	158,503	154,228	175,046	1,151	56,371	14,536	97,164	7,566	20,210	256,818	218,165	209,792
2022	154,520	154,071	176,345	1,151	56,371	14,536	98,101	7,842	20,922	253,772	218,284	211,803
2023	148,846	153,684	177,481	1,151	56,371	14,536	99,038	8,119	21,634	249,035	218,174	213,651
2024	143,098	153,298	178,617	1,151	56,371	14,536	99,975	8,396	22,345	244,224	218,065	215,498
2025	137,175	152,775	179,399	1,151	56,371	14,536	100,210	8,465	22,523	238,536	217,611	216,458
2026	131,086	152,251	180,180	1,151	56,371	14,536	100,444	8,534	22,701	232,681	217,156	217,417
2027	132,224	152,535	182,088	1,151	56,371	14,536	100,678	8,603	22,879	234,053	217,509	219,503
2028	133,147	152,781	183,896	1,151	56,371	14,536	100,678	8,603	22,879	234,976	217,755	221,311
2029	134,201	153,028	185,703	1,151	56,371	14,536	100,678	8,603	22,879	236,030	218,002	223,118
2030	123,768	151,685	183,076	995	48,658	12,547	91,665	7,669	21,819	216,428	208,012	217,442

Capacity Expansion Plans - Cases 1-7

Winter Ratings	1 Base	2 2 yr delay	3 4 yr delay	4 CC	5 Green	6 PPA, Build	Sell, PPA
Smith 1 278 MW	2015	2017	2019				
CC 268 MW	2021	2021	2021	2017 2021	2026	2021 2022	2021
CT 98 MW	2027 2028	2027 2028	2027 2028	2027 2028		2027 2028	2027 2028
PPA Peaking	2010 (200) 2011 (100) 2014 (98)	2010 (200) 2011 (100) 2014 (98)	2010 (200) 2011 (100) 2014 (98)	2010 (200) 2011 (100) 2014 (98)	2010 (200)	2010 (200) 2011 (100) 2014 (98)	2010 (200) 2011 (100) 2014 (98)
PPA Baseload (5 Years)						2017 (300)	
PPA CFB							2015 (250)
PPA Nuclear 200 MW	2024	2024	2024	2024	2024	2024	2024
Renew. LFG .8 MW	2010 2011 2012	2010 2011 2012	2010 2011 2012	2010 2011 2012	2010 2011 2012	2010 2011 2012	2010 2011 2012
PPA Wind					2011 (149) 2019 (99) 2021 (70) 2022 (50)		
PPA Biomass					2025 (56)		
DSM Win Max	Base 223 MW max	Base 223 MW	Base 223 MW	Base 223 MW	Increased 400 MW	Base 223 MW	Base 223 MW

REDACTED

Case 1 - Base Case

		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Hydro Generation (MWH)	#	255,044	255,534	257,510	263,886	257,977	258,012	258,354	257,230	257,556	258,358	259,443	257,765	256,997	257,310	259,341	257,996	257,362	258,256	256,984	258,324
Energy Purchased (MWH)	#	744,391	595,862	720,672	662,018	1,780,317	1,084,877	1,219,434	1,526,498	1,689,223	1,797,240	1,808,132	1,756,850	1,709,633	1,966,638	3,055,430	3,216,091	3,531,051	3,662,646	3,894,950	4,120,071
Energy Sold (MWH)	#	244,988	361,512	363,582	348,422	124,108	311,805	311,891	282,344	288,696	264,282	275,151	358,768	357,617	256,425	502,785	472,790	360,378	254,894	264,104	222,299
Hydro Total Cost ($)	#	[redacted]																			
Cost of Purchases ($)	#																				

Dale 1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.44	0.40	0.46	0.47	0.13	0.06	0.09	0.09	0.14	0.15	0.17	0.17	0.22	0.21	0.17	0.19	0.18	0.20	0.18	0.18
Availability Factor	0.92	0.91	0.90	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Average Heat Rate (Btu/kWh)	12,210	12,254	12,188	12,206	12,415	12,452	12,434	12,432	12,422	12,420	12,431	12,428	12,410	12,416	12,418	12,409	12,424	12,419	12,420	12,416
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Dale 2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.48	0.45	0.50	0.49	0.17	0.09	0.11	0.10	0.17	0.18	0.22	0.22	0.27	0.25	0.20	0.22	0.22	0.23	0.24	0.23
Availability Factor	0.94	0.93	0.93	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Average Heat Rate (Btu/kWh)	11,995	12,015	11,957	11,987	12,199	12,242	12,231	12,216	12,208	12,205	12,213	12,204	12,190	12,198	12,199	12,189	12,207	12,200	12,193	12,189
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Dale 3	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.36	0.33	0.43	0.44	0.08	0.04	0.05	0.05	0.09	0.10	0.11	0.10	0.12	0.12	0.10	0.11	0.10	0.10	0.10	0.11
Availability Factor	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Average Heat Rate (Btu/kWh)	11,848	11,963	11,765	11,748	12,746	12,780	12,678	12,731	12,565	12,638	12,603	12,476	12,417	12,479	12,463	12,454	12,528	12,591	12,495	12,533
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Dale 4	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.59	0.57	0.63	0.66	0.48	0.47	0.48	0.47	0.49	0.49	0.49	0.51	0.51	0.51	0.51	0.51	0.50	0.50	0.50	0.50
Availability Factor	0.90	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Average Heat Rate (Btu/kWh)	11,376	11,444	11,355	11,308	11,649	11,703	11,677	11,688	11,640	11,639	11,612	11,565	11,552	11,562	11,581	11,574	11,599	11,596	11,603	11,612
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Cooper 1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.36	0.40	0.51	0.54	0.22	0.12	0.15	0.11	0.22	0.22	0.24	0.21	0.25	0.26	0.19	0.22	0.21	0.20	0.21	0.23
Availability Factor	0.91	0.91	0.89	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Average Heat Rate (Btu/kWh)	10,173	10,167	10,105	10,078	10,418	10,591	10,578	10,624	10,525	10,505	10,487	10,457	10,420	10,448	10,432	10,416	10,475	10,456	10,451	10,446
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Cooper 2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.59	0.60	0.49	0.55	0.43	0.42	0.43	0.44	0.45	0.46	0.47	0.48	0.49	0.48	0.47	0.47	0.46	0.46	0.45	0.45
Availability Factor	0.92	0.88	0.79	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Average Heat Rate (Btu/kWh)	9,972	9,941	9,986	9,999	10,169	10,174	10,167	10,143	10,130	10,116	10,098	10,079	10,069	10,079	10,106	10,097	10,111	10,120	10,129	10,133
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

REDACTED

Case 1 - Base Case

Spurlock 1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.83	0.82	0.84	0.85	0.77	0.75	0.74	0.73	0.73	0.74	0.74	0.75	0.77	0.76	0.74	0.74	0.74	0.74	0.73	0.73
Availability Factor	0.93	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Average Heat Rate (Btu/kWh)	10,194	10,165	10,148	10,136	10,244	10,270	10,276	10,295	10,297	10,289	10,278	10,266	10,245	10,249	10,279	10,281	10,292	10,285	10,294	10,294
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Spurlock 2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.75	0.81	0.78	0.78	0.73	0.72	0.71	0.70	0.69	0.70	0.70	0.71	0.73	0.73	0.71	0.70	0.70	0.70	0.70	0.69
Availability Factor	0.89	0.95	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Average Heat Rate (Btu/kWh)	10,054	10,026	10,007	10,002	10,093	10,108	10,117	10,146	10,159	10,146	10,135	10,118	10,089	10,092	10,128	10,135	10,151	10,138	10,151	10,150
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Gilbert Unit	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.81	0.82	0.82	0.82	0.81	0.81	0.80	0.79	0.78	0.79	0.79	0.79	0.80	0.80	0.79	0.79	0.78	0.78	0.78	0.78
Availability Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Average Heat Rate (Btu/kWh)	9,779	9,750	9,733	9,734	9,779	9,781	9,805	9,836	9,857	9,847	9,837	9,820	9,802	9,802	9,847	9,850	9,869	9,855	9,873	9,880
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Spurlock 4	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.76	0.81	0.84	0.84	0.83	0.83	0.82	0.81	0.81	0.81	0.81	0.82	0.82	0.82	0.81	0.81	0.80	0.81	0.80	0.80
Availability Factor	0.86	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Average Heat Rate (Btu/kWh)	9,815	9,721	9,640	9,645	9,679	9,687	9,703	9,733	9,751	9,746	9,738	9,720	9,703	9,703	9,748	9,749	9,765	9,754	9,771	9,770
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith 1 (CFB)	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor					0.20	0.75	0.78	0.78	0.77	0.78	0.78	0.79	0.80	0.80	0.78	0.78	0.77	0.78	0.77	0.77
Availability Factor					0.83	0.85	0.88	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Average Heat Rate (Btu/kWh)					9,820	9,635	9,610	9,641	9,683	9,656	9,649	9,622	9,587	9,591	9,652	9,654	9,689	9,659	9,679	9,680
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Future CC	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor											0.03	0.21	0.22	0.21	0.15	0.18	0.18	0.17	0.19	0.19
Availability Factor											0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
Average Heat Rate (Btu/kWh)											7,635	7,583	7,588	7,592	7,608	7,600	7,599	7,612	7,600	7,601
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.01	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	0.00	0.00	0.00	0.00	0.00	0.00
Availability Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Average Heat Rate (Btu/kWh)	13,071	13,187	13,197	13,254	13,215	13,138	13,371	13,348	13,200	13,241	13,325	13,707	13,690	13,498	13,523	13,781	13,741	13,268	13,577	13,795
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

REDACTED

Case 1 - Base Case

Smith CT2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.01	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	0.00	0.00	0.00	0.00	0.00	0.00
Availability Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Average Heat Rate (Btu/kWh)	13,276	13,368	13,490	13,495	13,443	13,257	13,482	13,456	13,419	13,468	13,551	13,653	13,681	13,497	13,450	13,720	13,560	13,423	13,609	13,762
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT3	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Availability Factor	0.94	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Average Heat Rate (Btu/kWh)	13,021	13,344	13,338	13,255	13,227	13,142	13,408	13,459	13,235	13,110	13,258	13,757	13,793	13,578	13,530	13,775	13,865	13,279	13,529	13,565
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT4	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.05	0.03	0.03	0.03	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.01	0.01	0.01
Availability Factor	0.97	0.93	0.99	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Average Heat Rate (Btu/kWh)	12,548	12,608	12,659	12,684	12,834	12,792	12,824	12,831	12,809	12,807	12,831	12,863	12,849	12,840	12,860	12,876	12,911	12,990	12,882	12,890
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT5	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.04	0.02	0.02	0.02	0.01	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
Availability Factor	0.99	0.99	0.99	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Average Heat Rate (Btu/kWh)	12,523	12,721	12,728	12,769	12,886	12,760	12,808	12,811	12,782	12,790	12,829	12,916	12,872	12,860	12,842	12,845	12,967	12,869	12,841	12,867
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT6	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.03	0.01	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Availability Factor	0.99	0.95	0.99	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Average Heat Rate (Btu/kWh)	12,449	12,721	12,731	12,768	12,794	12,734	12,841	12,769	12,750	12,733	12,791	12,917	12,859	12,832	12,826	12,850	12,950	12,712	12,805	12,847
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT7	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01
Availability Factor	0.99	0.99	0.95	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Average Heat Rate (Btu/kWh)	12,283	12,630	12,657	12,664	12,747	12,690	12,835	12,691	12,719	12,706	12,739	12,882	12,862	12,815	12,773	12,836	12,868	12,585	12,790	12,865
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT 9	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.10	0.08	0.09	0.08	0.07	0.06	0.06	0.08	0.08	0.09	0.10	0.11	0.12	0.11	0.08	0.09	0.09	0.08	0.09	0.10
Availability Factor	0.84	0.92	0.98	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Average Heat Rate (Btu/kWh)	10,380	10,953	11,103	11,150	9,497	9,597	9,608	9,562	9,712	9,708	9,684	9,774	9,785	9,771	10,121	10,025	9,902	9,796	9,690	9,671
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

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Case 1 - Base Case

Smith CT 10	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.12	0.11	0.13	0.12	0.11	0.09	0.09	0.13	0.12	0.14	0.14	0.14	0.15	0.15	0.09	0.11	0.12	0.12	0.14	0.15
Availability Factor	0.84	0.92	0.98	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Average Heat Rate (Btu/kWh)	10,325	10,799	10,978	11,001	9,474	9,533	9,522	9,568	9,679	9,674	9,662	9,620	9,611	9,685	9,876	9,845	9,832	9,934	9,779	9,764
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Landfill Gas Projects	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.95	0.94	0.95	0.95	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Availability Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Average Heat Rate (Btu/kWh)	11,848	11,842	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Future CT 1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor																	0.00	0.02	0.03	0.03
Availability Factor																	1.00	1.00	1.00	1.00
Average Heat Rate (Btu/kWh)																	12,571	13,025	12,936	12,937
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Future CT 2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor																		0.00	0.02	0.02
Availability Factor																		1.00	1.00	1.00
Average Heat Rate (Btu/kWh)																		12,566	12,941	12,940
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

REDACTED

Case 2 - Delay Smith Coal for 2 years

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Hydro Generation (MWH)	255,044	255,534	257,510	263,886	258,177	258,223	257,946	257,174	257,528	258,443	259,425	257,765	256,977	257,320	259,133	258,300	257,410	258,063	257,235	258,008
Energy Purchased (MWH)	744,391	595,862	720,672	662,018	2,054,068	2,092,693	1,980,216	1,527,498	1,694,390	1,799,805	1,803,346	1,759,426	1,710,362	1,971,882	3,050,531	3,223,209	3,534,560	3,656,901	3,894,561	4,119,816
Energy Sold (MWH)	244,988	361,512	363,582	348,422	82,056	88,050	147,729	283,900	290,579	264,290	275,516	360,985	352,401	255,140	501,586	472,319	364,176	255,285	261,027	222,433
Hydro Total Cost ($)	[redacted]																			
Cost of Purchases ($)																				
Dale 1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.44	0.40	0.46	0.47	0.14	0.11	0.14	0.09	0.14	0.15	0.18	0.17	0.22	0.21	0.17	0.19	0.18	0.20	0.17	0.17
Availability Factor	0.92	0.91	0.90	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Average Heat Rate (Btu/kWh)	12,210	12,254	12,188	12,206	12,401	12,421	12,417	12,425	12,420	12,425	12,427	12,416	12,405	12,409	12,416	12,409	12,430	12,415	12,418	12,414
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				
Dale 2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.48	0.45	0.50	0.49	0.19	0.14	0.17	0.11	0.16	0.18	0.22	0.22	0.27	0.25	0.21	0.22	0.22	0.23	0.24	0.23
Availability Factor	0.94	0.93	0.93	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Average Heat Rate (Btu/kWh)	11,995	12,015	11,957	11,987	12,193	12,207	12,199	12,217	12,200	12,200	12,218	12,203	12,192	12,196	12,195	12,187	12,212	12,198	12,192	12,191
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				
Dale 3	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.36	0.33	0.43	0.44	0.08	0.07	0.09	0.05	0.09	0.09	0.11	0.10	0.12	0.12	0.10	0.11	0.10	0.10	0.10	0.11
Availability Factor	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Average Heat Rate (Btu/kWh)	11,848	11,963	11,765	11,748	12,709	12,727	12,519	12,712	12,570	12,634	12,591	12,470	12,409	12,476	12,470	12,446	12,525	12,556	12,496	12,531
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				
Dale 4	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.59	0.57	0.63	0.66	0.49	0.49	0.49	0.47	0.49	0.49	0.49	0.51	0.52	0.51	0.51	0.51	0.50	0.50	0.50	0.50
Availability Factor	0.90	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Average Heat Rate (Btu/kWh)	11,376	11,444	11,355	11,308	11,638	11,640	11,644	11,690	11,638	11,637	11,613	11,564	11,550	11,563	11,582	11,572	11,602	11,595	11,603	11,611
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				
Cooper 1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.36	0.40	0.51	0.54	0.24	0.21	0.23	0.11	0.22	0.22	0.24	0.21	0.25	0.26	0.19	0.22	0.21	0.20	0.21	0.23
Availability Factor	0.91	0.91	0.89	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Average Heat Rate (Btu/kWh)	10,173	10,167	10,105	10,078	10,393	10,519	10,518	10,616	10,529	10,499	10,490	10,452	10,409	10,446	10,430	10,416	10,472	10,456	10,460	10,441
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				
Cooper 2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.59	0.60	0.49	0.55	0.43	0.44	0.44	0.44	0.45	0.46	0.47	0.48	0.49	0.48	0.46	0.47	0.46	0.46	0.45	0.45
Availability Factor	0.92	0.88	0.79	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Average Heat Rate (Btu/kWh)	9,972	9,941	9,986	9,999	10,167	10,140	10,140	10,142	10,130	10,116	10,098	10,079	10,069	10,080	10,106	10,097	10,111	10,120	10,128	10,132
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

REDACTED

Case 2 - Delay Smith Coal for 2 years

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Spurlock 1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.83	0.82	0.84	0.85	0.78	0.79	0.77	0.73	0.73	0.74	0.74	0.75	0.77	0.76	0.74	0.74	0.74	0.74	0.73	0.73
Availability Factor	0.93	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Average Heat Rate (Btu/kWh)	10,194	10,165	10,148	10,136	10,228	10,209	10,233	10,295	10,297	10,289	10,278	10,266	10,245	10,249	10,278	10,281	10,293	10,284	10,295	10,294
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				
Spurlock 2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.75	0.81	0.78	0.78	0.74	0.76	0.74	0.70	0.69	0.70	0.70	0.71	0.73	0.73	0.71	0.70	0.70	0.70	0.70	0.69
Availability Factor	0.89	0.95	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Average Heat Rate (Btu/kWh)	10,054	10,026	10,007	10,002	10,065	10,039	10,075	10,146	10,159	10,146	10,135	10,118	10,090	10,092	10,128	10,135	10,151	10,138	10,151	10,150
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				
Gilbert Unit	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.81	0.82	0.82	0.82	0.81	0.82	0.80	0.79	0.78	0.79	0.79	0.79	0.80	0.80	0.79	0.79	0.78	0.78	0.78	0.78
Availability Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Average Heat Rate (Btu/kWh)	9,779	9,750	9,733	9,734	9,759	9,746	9,781	9,838	9,856	9,845	9,838	9,820	9,803	9,803	9,845	9,850	9,867	9,856	9,871	9,878
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				
Spurlock 4	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.76	0.81	0.84	0.84	0.83	0.84	0.83	0.81	0.81	0.81	0.81	0.82	0.82	0.82	0.81	0.81	0.80	0.81	0.80	0.80
Availability Factor	0.86	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Average Heat Rate (Btu/kWh)	9,815	9,721	9,640	9,645	9,666	9,659	9,685	9,733	9,751	9,747	9,738	9,720	9,702	9,705	9,747	9,747	9,764	9,753	9,770	9,770
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				
Smith 1 (CFB)	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor							0.21	0.78	0.77	0.78	0.78	0.79	0.80	0.80	0.78	0.78	0.77	0.78	0.77	0.77
Availability Factor							0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Average Heat Rate (Btu/kWh)							9,712	9,645	9,683	9,658	9,644	9,620	9,592	9,591	9,650	9,657	9,685	9,658	9,676	9,680
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				
Future CC	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor											0.03	0.21	0.22	0.21	0.15	0.18	0.18	0.17	0.19	0.19
Availability Factor											0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
Average Heat Rate (Btu/kWh)											7,637	7,584	7,587	7,592	7,608	7,598	7,598	7,613	7,599	7,600
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				
Smith CT1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.01	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	0.00	0.00	0.00	0.00	0.00	0.00
Availability Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Average Heat Rate (Btu/kWh)	13,071	13,187	13,197	13,254	13,272	13,266	13,353	13,304	13,241	13,225	13,378	13,733	13,711	13,549	13,521	13,757	13,773	13,160	13,515	13,853
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Case 2 - Delay Smith Coal for 2 years

Smith CT2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.01	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	0.00	0.00	0.00	0.00	0.00	0.00
Availability Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Average Heat Rate (Btu/kWh)	13,276	13,368	13,490	13,495	13,462	13,387	13,408	13,409	13,470	13,473	13,580	13,668	13,716	13,511	13,495	13,674	13,627	13,411	13,572	13,783
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT3	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Availability Factor	0.94	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Average Heat Rate (Btu/kWh)	13,021	13,344	13,338	13,255	13,300	13,215	13,396	13,333	13,251	13,148	13,369	13,790	13,789	13,610	13,502	13,735	13,904	13,271	13,478	13,574
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT4	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.05	0.03	0.03	0.03	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.01	0.01	0.01
Availability Factor	0.97	0.93	0.99	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Average Heat Rate (Btu/kWh)	12,548	12,608	12,659	12,684	12,812	12,821	12,817	12,837	12,824	12,815	12,829	12,867	12,855	12,844	12,860	12,877	12,912	13,003	12,871	12,910
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT5	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.04	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
Availability Factor	0.99	0.99	0.99	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Average Heat Rate (Btu/kWh)	12,523	12,721	12,728	12,769	12,837	12,804	12,844	12,803	12,774	12,800	12,822	12,914	12,878	12,856	12,834	12,875	12,953	12,883	12,813	12,881
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT6	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.03	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Availability Factor	0.99	0.95	0.99	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Average Heat Rate (Btu/kWh)	12,449	12,721	12,731	12,768	12,799	12,764	12,826	12,756	12,755	12,751	12,802	12,912	12,870	12,832	12,820	12,872	12,939	12,710	12,773	12,874
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT7	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01
Availability Factor	0.99	0.99	0.95	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Average Heat Rate (Btu/kWh)	12,283	12,630	12,657	12,664	12,753	12,631	12,750	12,658	12,712	12,691	12,744	12,869	12,865	12,807	12,730	12,833	12,862	12,577	12,751	12,896
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT 9	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.10	0.08	0.09	0.08	0.07	0.09	0.09	0.08	0.08	0.09	0.10	0.11	0.12	0.11	0.08	0.09	0.09	0.08	0.09	0.10
Availability Factor	0.84	0.92	0.98	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Average Heat Rate (Btu/kWh)	10,380	10,953	11,103	11,150	9,516	9,421	9,426	9,567	9,722	9,723	9,686	9,767	9,788	9,770	10,149	10,015	9,882	9,784	9,696	9,664
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

REDACTED

Case 2 - Delay Smith Coal for 2 years

Smith CT 10	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.12	0.11	0.13	0.12	0.11	0.16	0.15	0.13	0.12	0.14	0.14	0.14	0.15	0.15	0.09	0.11	0.12	0.12	0.14	0.15
Availability Factor	0.84	0.92	0.98	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Average Heat Rate (Btu/kWh)	10,325	10,799	10,978	11,001	9,488	9,461	9,412	9,567	9,678	9,672	9,662	9,612	9,610	9,688	9,882	9,835	9,839	9,926	9,774	9,752
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Landfill Gas Projects	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.95	0.94	0.95	0.95	0.94	0.95	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Availability Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Average Heat Rate (Btu/kWh)	11,848	11,842	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Future CT 1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor																	0.00	0.02	0.03	0.03
Availability Factor																	1.00	1.00	1.00	1.00
Average Heat Rate (Btu/kWh)																	12,586	13,029	12,930	12,958
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Future CT 2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor																		0.00	0.02	0.02
Availability Factor																		1.00	1.00	1.00
Average Heat Rate (Btu/kWh)																		12,547	12,926	12,960
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

REDACTED

Case 3 - Delay Smith Coal for 4 years

		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Hydro Generation (MWH)	#	255,044	255,534	257,510	263,886	258,177	258,223	259,102	258,448	255,138	258,508	259,396	257,694	256,967	257,283	259,192	258,398	257,357	258,045	257,139	258,045
Energy Purchased (MWH)	#	744,391	595,862	720,672	662,018	2,054,068	2,092,693	2,296,495	2,620,630	2,416,079	1,798,209	1,802,013	1,758,414	1,710,437	1,966,932	3,053,165	3,220,452	3,532,961	3,663,576	3,898,244	4,118,706
Energy Sold (MWH)	#	244,988	361,512	363,582	348,422	82,056	88,050	86,330	78,627	145,982	262,175	274,194	361,178	356,330	256,888	501,706	472,175	361,031	257,782	265,698	222,025
Hydro Total Cost ($)	#	[redacted]																			
Cost of Purchases ($)	#																				

Dale 1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.44	0.40	0.46	0.47	0.14	0.11	0.15	0.15	0.21	0.15	0.17	0.17	0.21	0.22	0.18	0.19	0.19	0.19	0.18	0.18
Availability Factor	0.92	0.91	0.90	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Average Heat Rate (Btu/kWh)	12,210	12,254	12,188	12,206	12,401	12,421	12,409	12,393	12,385	12,423	12,426	12,421	12,406	12,413	12,413	12,410	12,427	12,417	12,420	12,416
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Dale 2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.48	0.45	0.50	0.49	0.19	0.14	0.18	0.19	0.25	0.18	0.22	0.22	0.25	0.26	0.20	0.23	0.21	0.22	0.24	0.23
Availability Factor	0.94	0.93	0.93	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Average Heat Rate (Btu/kWh)	11,995	12,015	11,957	11,987	12,193	12,207	12,200	12,181	12,171	12,204	12,214	12,204	12,187	12,196	12,197	12,192	12,208	12,202	12,194	12,201
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Dale 3	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.36	0.33	0.43	0.44	0.08	0.07	0.09	0.09	0.13	0.09	0.10	0.10	0.12	0.12	0.10	0.11	0.10	0.11	0.10	0.11
Availability Factor	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Average Heat Rate (Btu/kWh)	11,848	11,963	11,765	11,748	12,709	12,727	12,693	12,738	12,452	12,640	12,583	12,467	12,412	12,468	12,472	12,455	12,511	12,546	12,505	12,537
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Dale 4	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.59	0.57	0.63	0.66	0.49	0.49	0.49	0.49	0.50	0.49	0.50	0.51	0.52	0.51	0.51	0.51	0.50	0.50	0.50	0.50
Availability Factor	0.90	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Average Heat Rate (Btu/kWh)	11,376	11,444	11,355	11,308	11,638	11,640	11,617	11,640	11,612	11,639	11,607	11,563	11,548	11,562	11,581	11,574	11,599	11,594	11,604	11,616
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Cooper 1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.36	0.40	0.51	0.54	0.24	0.21	0.24	0.19	0.31	0.22	0.24	0.22	0.26	0.26	0.19	0.22	0.21	0.21	0.21	0.23
Availability Factor	0.91	0.91	0.89	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Average Heat Rate (Btu/kWh)	10,173	10,167	10,105	10,078	10,393	10,519	10,500	10,548	10,442	10,506	10,476	10,450	10,413	10,445	10,431	10,421	10,476	10,454	10,464	10,456
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Cooper 2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.59	0.60	0.49	0.55	0.43	0.44	0.45	0.47	0.47	0.46	0.47	0.48	0.49	0.48	0.46	0.47	0.46	0.46	0.45	0.45
Availability Factor	0.92	0.88	0.79	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Average Heat Rate (Btu/kWh)	9,972	9,941	9,986	9,999	10,167	10,140	10,134	10,102	10,104	10,115	10,098	10,079	10,069	10,079	10,107	10,097	10,111	10,121	10,130	10,133
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Case 3 - Delay Smith Coal for 4 years

Spurlock 1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.83	0.82	0.84	0.85	0.78	0.79	0.78	0.76	0.75	0.74	0.74	0.75	0.77	0.76	0.74	0.74	0.74	0.74	0.73	0.73
Availability Factor	0.93	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Average Heat Rate (Btu/kWh)	10,194	10,165	10,148	10,136	10,228	10,209	10,222	10,250	10,265	10,289	10,278	10,266	10,245	10,249	10,278	10,281	10,292	10,284	10,294	10,294
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Spurlock 2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.75	0.81	0.78	0.78	0.74	0.76	0.75	0.73	0.71	0.70	0.70	0.71	0.73	0.73	0.71	0.70	0.69	0.70	0.70	0.69
Availability Factor	0.89	0.95	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Average Heat Rate (Btu/kWh)	10,054	10,026	10,007	10,002	10,065	10,039	10,056	10,095	10,125	10,146	10,135	10,118	10,090	10,092	10,128	10,135	10,151	10,138	10,151	10,151
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Gilbert Unit	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.81	0.82	0.82	0.82	0.81	0.82	0.81	0.80	0.79	0.79	0.79	0.79	0.80	0.80	0.79	0.79	0.78	0.78	0.78	0.78
Availability Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Average Heat Rate (Btu/kWh)	9,779	9,750	9,733	9,734	9,759	9,746	9,766	9,797	9,831	9,845	9,836	9,819	9,804	9,804	9,845	9,850	9,869	9,854	9,874	9,877
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Spurlock 4	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.76	0.81	0.84	0.84	0.83	0.84	0.83	0.82	0.81	0.81	0.81	0.82	0.82	0.82	0.81	0.81	0.80	0.81	0.80	0.80
Availability Factor	0.86	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Average Heat Rate (Btu/kWh)	9,815	9,721	9,640	9,645	9,666	9,659	9,675	9,702	9,726	9,747	9,738	9,720	9,703	9,704	9,749	9,749	9,766	9,752	9,770	9,770
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith 1 (CFB)	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor									0.21	0.78	0.78	0.79	0.80	0.80	0.78	0.78	0.77	0.78	0.77	0.78
Availability Factor									0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Average Heat Rate (Btu/kWh)									9,761	9,660	9,646	9,621	9,588	9,590	9,654	9,655	9,685	9,662	9,678	9,676
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Future CC	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor											0.03	0.21	0.22	0.21	0.15	0.18	0.18	0.17	0.19	0.20
Availability Factor											0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
Average Heat Rate (Btu/kWh)											7,637	7,584	7,586	7,591	7,608	7,599	7,598	7,614	7,600	7,600
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.01	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	0.00	0.00	0.00	0.00	0.00	0.00
Availability Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Average Heat Rate (Btu/kWh)	13,071	13,187	13,197	13,254	13,272	13,266	13,264	13,225	13,190	13,257	13,350	13,731	13,759	13,481	13,518	13,753	13,696	13,184	13,489	13,848
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

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Case 3 - Delay Smith Coal for 4 years

Smith CT2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Availability Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Average Heat Rate (Btu/kWh)	13,276	13,368	13,490	13,495	13,462	13,387	13,381	13,440	13,484	13,436	13,520	13,651	13,706	13,529	13,530	13,667	13,590	13,294	13,578	13,804
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT3	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Availability Factor	0.94	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Average Heat Rate (Btu/kWh)	13,021	13,344	13,338	13,255	13,300	13,215	13,245	13,202	13,255	13,225	13,333	13,735	13,825	13,580	13,616	13,747	13,834	13,218	13,495	13,562
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT4	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.05	0.03	0.03	0.03	0.01	0.02	0.02	0.03	0.04	0.02	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.01	0.01	0.01
Availability Factor	0.97	0.93	0.99	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Average Heat Rate (Btu/kWh)	12,548	12,608	12,659	12,684	12,812	12,821	12,796	12,767	12,765	12,814	12,828	12,867	12,856	12,841	12,859	12,878	12,892	12,977	12,890	12,918
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT5	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.04	0.02	0.02	0.02	0.01	0.01	0.02	0.02	0.03	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
Availability Factor	0.99	0.99	0.99	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Average Heat Rate (Btu/kWh)	12,523	12,721	12,728	12,769	12,837	12,804	12,781	12,757	12,737	12,795	12,838	12,914	12,878	12,846	12,855	12,864	12,939	12,859	12,846	12,895
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT6	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.03	0.01	0.01	0.01	0.00	0.01	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Availability Factor	0.99	0.95	0.99	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Average Heat Rate (Btu/kWh)	12,449	12,721	12,731	12,768	12,799	12,764	12,773	12,727	12,716	12,747	12,809	12,914	12,878	12,819	12,855	12,859	12,908	12,701	12,805	12,873
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT7	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01
Availability Factor	0.99	0.99	0.95	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Average Heat Rate (Btu/kWh)	12,283	12,630	12,657	12,664	12,753	12,631	12,708	12,609	12,689	12,696	12,740	12,887	12,876	12,771	12,764	12,841	12,822	12,566	12,802	12,885
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT 9	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.10	0.08	0.09	0.08	0.07	0.09	0.10	0.13	0.12	0.09	0.10	0.11	0.12	0.11	0.08	0.09	0.09	0.08	0.09	0.10
Availability Factor	0.84	0.92	0.98	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Average Heat Rate (Btu/kWh)	10,380	10,953	11,103	11,150	9,516	9,421	9,456	9,469	9,549	9,723	9,687	9,781	9,778	9,765	10,130	10,010	9,900	9,791	9,693	9,662
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

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Case 3 - Delay Smith Coal for 4 years

Smith CT 10	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.12	0.11	0.13	0.12	0.11	0.16	0.16	0.21	0.19	0.14	0.15	0.14	0.15	0.15	0.09	0.11	0.12	0.12	0.14	0.15
Availability Factor	0.84	0.92	0.98	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Average Heat Rate (Btu/kWh)	10,325	10,799	10,978	11,001	9,488	9,461	9,465	9,470	9,522	9,677	9,666	9,617	9,617	9,686	9,875	9,827	9,836	9,938	9,779	9,761
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Landfill Gas Projects	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.95	0.94	0.95	0.95	0.94	0.95	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Availability Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Average Heat Rate (Btu/kWh)	11,848	11,842	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Future CT 1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor																	0.00	0.02	0.03	0.03
Availability Factor																	1.00	1.00	1.00	1.00
Average Heat Rate (Btu/kWh)																	12,556	12,997	12,934	12,943
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Future CT 2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor																		0.00	0.02	0.02
Availability Factor																		1.00	1.00	1.00
Average Heat Rate (Btu/kWh)																		12,537	12,941	12,949
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Case 4 - Cancel Smith Coal, build a combined cycle unit in the optimal time frame

		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Hydro Generation (MWH)	#	255,044	255,534	257,510	263,886	258,177	258,223	259,235	258,256	257,793	258,650	258,166	257,815	257,082	258,534	256,627	258,702	257,846	258,140	258,484	258,511
Energy Purchased (MWH)	#	744,391	595,862	720,672	662,018	2,054,068	2,092,693	2,264,586	2,402,174	2,493,613	2,610,292	2,546,806	2,390,294	2,322,348	2,669,960	3,713,259	3,860,590	4,246,756	4,479,464	4,671,737	4,887,614
Energy Sold (MWH)	#	244,988	361,512	363,582	348,422	82,056	88,050	86,481	98,250	105,572	94,947	105,527	195,640	205,630	135,925	249,711	256,899	189,683	120,166	141,308	124,250
Hydro Total Cost ($)	#	[redacted]																			
Cost of Purchases ($)	#																				

Dale 1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.44	0.40	0.46	0.47	0.14	0.11	0.14	0.11	0.18	0.20	0.22	0.21	0.26	0.23	0.20	0.22	0.19	0.21	0.19	0.21
Availability Factor	0.92	0.91	0.90	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Average Heat Rate (Btu/kWh)	12,210	12,254	12,188	12,206	12,401	12,421	12,411	12,416	12,427	12,410	12,423	12,412	12,406	12,415	12,413	12,408	12,418	12,417	12,417	12,414
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Dale 2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.48	0.45	0.50	0.49	0.19	0.14	0.17	0.15	0.23	0.25	0.25	0.27	0.31	0.28	0.22	0.26	0.24	0.24	0.26	0.26
Availability Factor	0.94	0.93	0.93	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Average Heat Rate (Btu/kWh)	11,995	12,015	11,957	11,987	12,193	12,207	12,200	12,213	12,208	12,195	12,209	12,199	12,182	12,192	12,198	12,187	12,199	12,189	12,194	12,195
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Dale 3	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.36	0.33	0.43	0.44	0.08	0.07	0.09	0.06	0.11	0.11	0.13	0.13	0.16	0.14	0.12	0.13	0.12	0.12	0.13	0.13
Availability Factor	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Average Heat Rate (Btu/kWh)	11,848	11,963	11,765	11,748	12,709	12,727	12,550	12,612	12,485	12,477	12,435	12,355	12,331	12,326	12,337	12,332	12,374	12,387	12,356	12,358
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Dale 4	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.59	0.57	0.63	0.66	0.49	0.49	0.49	0.49	0.50	0.50	0.51	0.52	0.53	0.53	0.53	0.53	0.52	0.51	0.51	0.51
Availability Factor	0.90	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Average Heat Rate (Btu/kWh)	11,376	11,444	11,355	11,308	11,638	11,640	11,623	11,642	11,584	11,591	11,558	11,522	11,505	11,517	11,523	11,519	11,548	11,555	11,560	11,566
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Cooper 1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.36	0.40	0.51	0.54	0.24	0.21	0.23	0.13	0.27	0.27	0.29	0.29	0.35	0.35	0.31	0.35	0.31	0.32	0.31	0.33
Availability Factor	0.91	0.91	0.89	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Average Heat Rate (Btu/kWh)	10,173	10,167	10,105	10,078	10,393	10,519	10,492	10,585	10,454	10,453	10,431	10,373	10,338	10,369	10,337	10,323	10,359	10,356	10,348	10,361
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Cooper 2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.59	0.60	0.49	0.55	0.43	0.44	0.45	0.46	0.47	0.48	0.50	0.51	0.52	0.51	0.49	0.49	0.48	0.47	0.47	0.46
Availability Factor	0.92	0.88	0.79	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Average Heat Rate (Btu/kWh)	9,972	9,941	9,986	9,999	10,167	10,140	10,135	10,113	10,097	10,082	10,063	10,044	10,034	10,046	10,072	10,065	10,080	10,093	10,103	10,107
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Spurlock 1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.83	0.82	0.84	0.85	0.78	0.79	0.78	0.76	0.76	0.76	0.77	0.78	0.79	0.79	0.77	0.77	0.76	0.77	0.76	0.76
Availability Factor	0.93	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Average Heat Rate (Btu/kWh)	10,194	10,165	10,148	10,136	10,228	10,209	10,222	10,247	10,255	10,248	10,240	10,229	10,206	10,212	10,238	10,243	10,255	10,246	10,255	10,254
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

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Case 4 - Cancel Smith Coal, build a combined cycle unit in the optimal time frame

Spurlock 2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.75	0.81	0.78	0.78	0.74	0.76	0.75	0.73	0.72	0.73	0.73	0.74	0.76	0.76	0.74	0.73	0.72	0.73	0.72	0.72
Availability Factor	0.89	0.95	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Average Heat Rate (Btu/kWh)	10,054	10,026	10,007	10,002	10,065	10,039	10,057	10,092	10,108	10,097	10,087	10,066	10,037	10,041	10,080	10,087	10,102	10,092	10,100	10,098
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Gilbert Unit	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.81	0.82	0.82	0.82	0.81	0.82	0.81	0.80	0.79	0.80	0.80	0.80	0.81	0.81	0.80	0.80	0.79	0.79	0.79	0.79
Availability Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Average Heat Rate (Btu/kWh)	9,779	9,750	9,733	9,734	9,759	9,746	9,767	9,798	9,821	9,815	9,812	9,796	9,779	9,781	9,804	9,812	9,832	9,825	9,836	9,840
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Spurlock 4	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.76	0.81	0.84	0.84	0.83	0.84	0.83	0.82	0.81	0.82	0.82	0.82	0.83	0.83	0.82	0.82	0.81	0.81	0.81	0.81
Availability Factor	0.86	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Average Heat Rate (Btu/kWh)	9,815	9,721	9,640	9,645	9,666	9,659	9,676	9,703	9,725	9,720	9,714	9,704	9,687	9,687	9,711	9,717	9,736	9,731	9,744	9,745
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith 1 (CFB)	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor																				
Availability Factor																				
Average Heat Rate (Btu/kWh)	[redacted]																			
Fuel Cost ($/MMBtu)																				
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Future CC 1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor							0.03	0.23	0.23	0.25	0.25	0.25	0.27	0.26	0.21	0.23	0.23	0.21	0.23	0.24
Availability Factor							0.90	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
Average Heat Rate (Btu/kWh)							7,680	7,585	7,590	7,587	7,582	7,576	7,577	7,581	7,600	7,592	7,595	7,605	7,594	7,596
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Future CC 2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor											0.06	0.27	0.28	0.27	0.19	0.22	0.22	0.22	0.24	0.24
Availability Factor											0.90	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
Average Heat Rate (Btu/kWh)											7,613	7,577	7,577	7,581	7,595	7,587	7,591	7,605	7,592	7,593
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.01	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	0.00	0.00	0.00	0.00	0.00	0.00
Availability Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Average Heat Rate (Btu/kWh)	13,071	13,187	13,197	13,254	13,272	13,266	13,238	13,268	13,264	13,319	13,355	13,684	13,719	13,483	13,478	13,658	13,676	13,164	13,561	13,678
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

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Case 4 - Cancel Smith Coal, build a combined cycle unit in the optimal time frame

Smith CT2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.01	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	0.00	0.00	0.00	0.00	0.00	0.00
Availability Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Average Heat Rate (Btu/kWh)	13,276	13,368	13,490	13,495	13,462	13,387	13,364	13,374	13,347	13,403	13,427	13,630	13,658	13,510	13,473	13,619	13,623	13,311	13,576	13,614
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT3	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Availability Factor	0.94	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Average Heat Rate (Btu/kWh)	13,021	13,344	13,338	13,255	13,300	13,215	13,325	13,417	13,420	13,402	13,477	13,750	13,750	13,605	13,644	13,709	13,737	13,321	13,428	13,554
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT4	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.05	0.03	0.03	0.03	0.01	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.01	0.01	0.01
Availability Factor	0.97	0.93	0.99	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Average Heat Rate (Btu/kWh)	12,548	12,608	12,659	12,684	12,812	12,821	12,807	12,839	12,789	12,779	12,779	12,842	12,834	12,830	12,866	12,858	12,902	12,980	12,837	12,817
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT5	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.04	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.03	0.02	0.01	0.02	0.02	0.01	0.01	0.01
Availability Factor	0.99	0.99	0.99	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Average Heat Rate (Btu/kWh)	12,523	12,721	12,728	12,769	12,837	12,804	12,821	12,856	12,802	12,789	12,794	12,868	12,844	12,826	12,869	12,874	12,935	12,878	12,807	12,807
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT6	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.03	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Availability Factor	0.99	0.95	0.99	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Average Heat Rate (Btu/kWh)	12,449	12,721	12,731	12,768	12,799	12,764	12,812	12,782	12,745	12,777	12,804	12,853	12,835	12,833	12,842	12,854	12,941	12,700	12,763	12,778
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT7	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Availability Factor	0.99	0.99	0.95	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Average Heat Rate (Btu/kWh)	12,283	12,630	12,657	12,664	12,753	12,631	12,745	12,676	12,671	12,692	12,742	12,816	12,811	12,790	12,782	12,782	12,888	12,607	12,776	12,834
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT 9	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.10	0.08	0.09	0.08	0.07	0.09	0.09	0.10	0.11	0.13	0.14	0.16	0.17	0.16	0.11	0.13	0.12	0.10	0.11	0.12
Availability Factor	0.84	0.92	0.98	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Average Heat Rate (Btu/kWh)	10,380	10,953	11,103	11,150	9,516	9,421	9,478	9,465	9,626	9,583	9,562	9,649	9,617	9,659	10,008	9,897	9,827	9,720	9,595	9,586
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

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Case 4 - Cancel Smith Coal, build a combined cycle unit in the optimal time frame

Smith CT 10	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.12	0.11	0.13	0.12	0.11	0.16	0.15	0.17	0.16	0.18	0.20	0.20	0.21	0.20	0.12	0.15	0.16	0.16	0.18	0.19
Availability Factor	0.84	0.92	0.98	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Average Heat Rate (Btu/kWh)	10,325	10,799	10,978	11,001	9,488	9,461	9,460	9,445	9,493	9,495	9,450	9,398	9,394	9,469	9,679	9,624	9,633	9,773	9,657	9,631
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)	[redacted]																			
Variable Production Cost ($/MWh)	[redacted]																			
SO2 Emission Costs ($)	[redacted]																			
NOx Emission Costs ($)	[redacted]																			

Landfill Gas Projects	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.95	0.94	0.95	0.95	0.94	0.95	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Availability Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Average Heat Rate (Btu/kWh)	11,848	11,842	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)	[redacted]																			
Variable Production Cost ($/MWh)	[redacted]																			
SO2 Emission Costs ($)	[redacted]																			
NOx Emission Costs ($)	[redacted]																			

Future CT 1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor																	0.00	0.02	0.03	0.04
Availability Factor																	1.00	1.00	1.00	1.00
Average Heat Rate (Btu/kWh)																	12,608	13,016	12,911	12,919
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)	[redacted]																			
Variable Production Cost ($/MWh)	[redacted]																			
SO2 Emission Costs ($)	[redacted]																			
NOx Emission Costs ($)	[redacted]																			

Future CT 2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor																		0.00	0.02	0.02
Availability Factor																		1.00	1.00	1.00
Average Heat Rate (Btu/kWh)																		12,530	12,889	12,883
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)	[redacted]																			
Variable Production Cost ($/MWh)	[redacted]																			
SO2 Emission Costs ($)	[redacted]																			
NOx Emission Costs ($)	[redacted]																			

Case 5 - Cancel Smith Coal, provide all future power supply needs with a combination of increased DSM efforts and renewable generation resources

Smith CT2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.00	0.00	0.01	0.01
Availability Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Average Heat Rate (Btu/kWh)	13,269	13,543	13,516	13,505	13,455	13,447	13,480	13,524	13,566	13,578	13,618	13,601	13,601	13,596	13,719	13,742	13,863	13,628	13,730	13,746
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT3	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.01
Availability Factor	0.94	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Average Heat Rate (Btu/kWh)	13,021	13,409	13,342	13,371	13,380	13,168	13,249	13,236	13,236	13,293	13,283	13,476	13,551	13,403	13,478	13,670	13,957	13,771	13,850	13,765
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT4	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.05	0.03	0.03	0.03	0.01	0.03	0.03	0.04	0.05	0.05	0.06	0.07	0.07	0.07	0.05	0.05	0.04	0.04	0.04	0.05
Availability Factor	0.97	0.93	0.99	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Average Heat Rate (Btu/kWh)	12,549	12,627	12,676	12,706	12,827	12,763	12,746	12,745	12,706	12,718	12,716	12,658	12,665	12,663	12,735	12,765	12,843	12,805	12,825	12,809
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT5	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.04	0.02	0.02	0.01	0.01	0.02	0.02	0.03	0.03	0.03	0.04	0.05	0.06	0.06	0.04	0.04	0.02	0.02	0.03	0.03
Availability Factor	0.99	0.99	0.99	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Average Heat Rate (Btu/kWh)	12,522	12,715	12,776	12,793	12,877	12,781	12,780	12,760	12,716	12,722	12,727	12,675	12,694	12,683	12,760	12,785	12,914	12,843	12,842	12,805
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT6	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.03	0.01	0.01	0.01	0.00	0.01	0.01	0.02	0.02	0.02	0.03	0.04	0.04	0.04	0.03	0.03	0.02	0.02	0.02	0.02
Availability Factor	0.99	0.95	0.99	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Average Heat Rate (Btu/kWh)	12,450	12,681	12,762	12,812	12,825	12,777	12,738	12,763	12,679	12,679	12,682	12,639	12,651	12,615	12,744	12,777	12,936	12,836	12,837	12,782
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT7	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.03	0.02	0.02	0.01	0.01	0.02	0.02
Availability Factor	0.99	0.99	0.95	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Average Heat Rate (Btu/kWh)	12,282	12,623	12,661	12,712	12,789	12,655	12,641	12,739	12,614	12,633	12,625	12,578	12,593	12,545	12,680	12,717	12,917	12,778	12,797	12,730
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT 9	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.10	0.07	0.08	0.07	0.06	0.10	0.10	0.12	0.13	0.13	0.14	0.16	0.17	0.17	0.11	0.12	0.10	0.10	0.12	0.13
Availability Factor	0.84	0.92	0.98	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Average Heat Rate (Btu/kWh)	10,377	11,028	11,154	11,230	9,534	9,984	10,049	9,977	10,112	10,138	10,095	10,145	10,190	10,179	10,517	10,503	10,456	10,475	10,320	10,265
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

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Case 5 - Cancel Smith Coal, provide all future power supply needs with a combination of increased DSM efforts and renewable generation resources

		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Hydro Generation (MWH)	#	255,032	254,961	257,145	263,209	258,448	258,139	258,564	257,214	257,789	258,481	259,113	257,530	257,024	257,133	259,202	258,667	257,024	258,108	256,980	258,056
Energy Purchased (MWH)	#	744,302	1,003,593	1,083,880	1,027,803	2,211,109	1,322,595	1,426,331	1,682,347	1,859,452	2,104,521	2,141,760	2,387,301	2,528,519	2,701,768	3,883,280	4,293,352	4,392,930	4,380,884	4,529,989	4,644,078
Energy Sold (MWH)	#	245,080	446,393	449,932	442,541	104,200	297,395	260,449	238,907	237,608	246,873	266,597	305,613	304,200	229,749	497,054	554,238	547,532	438,079	455,733	396,866
Hydro Total Cost ($)	#	[redacted]																			
Cost of Purchases ($)	#																				

Dale 1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.44	0.36	0.41	0.42	0.13	0.35	0.38	0.38	0.42	0.42	0.47	0.49	0.51	0.50	0.43	0.41	0.35	0.35	0.37	0.39
Availability Factor	0.92	0.91	0.90	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Average Heat Rate (Btu/kWh)	12,209	12,268	12,211	12,231	12,423	12,340	12,327	12,328	12,305	12,306	12,293	12,280	12,266	12,268	12,284	12,291	12,324	12,326	12,317	12,315
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Dale 2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.48	0.40	0.45	0.43	0.17	0.42	0.45	0.43	0.47	0.48	0.50	0.54	0.55	0.56	0.49	0.46	0.39	0.40	0.42	0.44
Availability Factor	0.94	0.93	0.93	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Average Heat Rate (Btu/kWh)	11,995	12,035	11,990	12,015	12,205	12,100	12,085	12,107	12,069	12,071	12,062	12,039	12,029	12,026	12,051	12,067	12,107	12,106	12,101	12,098
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Dale 3	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.36	0.29	0.39	0.39	0.07	0.26	0.30	0.30	0.33	0.33	0.36	0.38	0.39	0.40	0.35	0.32	0.27	0.29	0.31	0.33
Availability Factor	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Average Heat Rate (Btu/kWh)	11,848	12,021	11,831	11,808	12,756	12,009	12,027	12,083	12,074	12,057	12,009	11,982	11,973	11,965	12,028	12,048	12,116	12,067	12,073	12,060
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Dale 4	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.59	0.56	0.61	0.64	0.49	0.57	0.58	0.56	0.57	0.57	0.58	0.59	0.60	0.60	0.58	0.57	0.57	0.58	0.57	0.57
Availability Factor	0.90	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Average Heat Rate (Btu/kWh)	11,376	11,481	11,384	11,334	11,644	11,403	11,398	11,452	11,451	11,446	11,432	11,420	11,407	11,405	11,444	11,456	11,457	11,435	11,446	11,441
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Cooper 1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.36	0.35	0.46	0.48	0.21	0.44	0.45	0.42	0.45	0.45	0.48	0.48	0.49	0.51	0.42	0.40	0.37	0.42	0.42	0.44
Availability Factor	0.91	0.91	0.89	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Average Heat Rate (Btu/kWh)	10,174	10,201	10,116	10,104	10,408	10,169	10,155	10,216	10,205	10,202	10,188	10,190	10,177	10,171	10,195	10,215	10,245	10,190	10,185	10,197
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Cooper 2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.59	0.58	0.48	0.54	0.43	0.51	0.51	0.51	0.51	0.52	0.53	0.53	0.54	0.54	0.50	0.50	0.51	0.52	0.51	0.52
Availability Factor	0.92	0.88	0.79	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Average Heat Rate (Btu/kWh)	9,972	9,959	10,000	10,012	10,173	10,039	10,038	10,044	10,043	10,037	10,026	10,025	10,020	10,019	10,053	10,053	10,043	10,038	10,040	10,039
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Case 5 - Cancel Smith Coal, provide all future power supply needs with a combination of increased DSM efforts and renewable generation resources

Spurlock 1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.83	0.81	0.82	0.83	0.77	0.84	0.84	0.82	0.82	0.82	0.83	0.82	0.83	0.83	0.81	0.80	0.80	0.81	0.81	0.81
Availability Factor	0.93	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Average Heat Rate (Btu/kWh)	10,194	10,185	10,165	10,152	10,242	10,149	10,150	10,165	10,170	10,170	10,164	10,165	10,158	10,154	10,189	10,199	10,203	10,184	10,189	10,185
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)	[redacted]																			
Variable Production Cost ($/MWh)	[redacted]																			
SO2 Emission Costs ($)	[redacted]																			
NOx Emission Costs ($)	[redacted]																			

Spurlock 2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.75	0.80	0.77	0.77	0.73	0.79	0.79	0.79	0.78	0.79	0.79	0.80	0.80	0.80	0.77	0.76	0.76	0.77	0.78	0.78
Availability Factor	0.89	0.95	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Average Heat Rate (Btu/kWh)	10,054	10,047	10,026	10,016	10,079	9,989	9,989	9,994	10,003	9,999	9,991	9,989	9,983	9,977	10,021	10,034	10,034	10,017	10,016	10,013
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)	[redacted]																			
Variable Production Cost ($/MWh)	[redacted]																			
SO2 Emission Costs ($)	[redacted]																			
NOx Emission Costs ($)	[redacted]																			

Gilbert Unit	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.81	0.81	0.82	0.82	0.81	0.82	0.82	0.82	0.82	0.81	0.82	0.82	0.82	0.82	0.81	0.80	0.80	0.81	0.81	0.81
Availability Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Average Heat Rate (Btu/kWh)	9,779	9,776	9,746	9,746	9,771	9,732	9,743	9,746	9,750	9,754	9,749	9,746	9,745	9,742	9,780	9,795	9,789	9,776	9,772	9,769
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)	[redacted]																			
Variable Production Cost ($/MWh)	[redacted]																			
SO2 Emission Costs ($)	[redacted]																			
NOx Emission Costs ($)	[redacted]																			

Spurlock 4	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.76	0.81	0.84	0.84	0.83	0.84	0.84	0.84	0.84	0.83	0.84	0.84	0.84	0.84	0.83	0.82	0.82	0.83	0.83	0.83
Availability Factor	0.86	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Average Heat Rate (Btu/kWh)	9,815	9,744	9,652	9,656	9,677	9,647	9,653	9,654	9,659	9,664	9,658	9,660	9,656	9,651	9,691	9,706	9,698	9,686	9,684	9,678
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)	[redacted]																			
Variable Production Cost ($/MWh)	[redacted]																			
SO2 Emission Costs ($)	[redacted]																			
NOx Emission Costs ($)	[redacted]																			

Smith 1 (CFB)	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor																				
Availability Factor																				
Average Heat Rate (Btu/kWh)																				
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)	[redacted]																			
Variable Production Cost ($/MWh)	[redacted]																			
SO2 Emission Costs ($)	[redacted]																			
NOx Emission Costs ($)	[redacted]																			

Future CC	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor																0.04	0.22	0.21	0.23	0.24
Availability Factor																0.90	0.86	0.86	0.86	0.86
Average Heat Rate (Btu/kWh)																7,638	7,607	7,606	7,607	7,608
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)	[redacted]																			
Variable Production Cost ($/MWh)	[redacted]																			
SO2 Emission Costs ($)	[redacted]																			
NOx Emission Costs ($)	[redacted]																			

Smith CT1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.01
Availability Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Average Heat Rate (Btu/kWh)	13,073	13,304	13,202	13,227	13,180	13,278	13,307	13,301	13,349	13,311	13,477	13,488	13,535	13,466	13,588	13,696	13,938	13,631	13,765	13,748
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)	[redacted]																			
Variable Production Cost ($/MWh)	[redacted]																			
SO2 Emission Costs ($)	[redacted]																			
NOx Emission Costs ($)	[redacted]																			

Case 5 - Cancel Smith Coal, provide all future power supply needs with a combination of increased DSM efforts and renewable generation resources

Smith CT 10	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.12	0.09	0.11	0.10	0.10	0.15	0.16	0.17	0.18	0.18	0.20	0.21	0.22	0.22	0.15	0.15	0.13	0.13	0.15	0.16
Availability Factor	0.84	0.92	0.98	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Average Heat Rate (Btu/kWh)	10,325	10,850	11,006	11,038	9,516	9,984	10,177	10,013	10,245	10,227	10,234	10,270	10,320	10,327	10,659	10,518	10,280	10,364	10,186	10,116
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Landfill Gas Projects	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.95	0.94	0.95	0.95	0.94	0.95	0.95	0.94	0.94	0.94	0.94	0.94	0.95	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Availability Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Average Heat Rate (Btu/kWh)	11,848	11,842	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Case 6 - Cancel Smith Coal, depend on Purchased Power until 2022 then construct combined cycle generation

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Hydro Generation (MWH)	255,044	255,534	257,510	263,886	258,177	258,223	259,102	255,896	257,699	258,415	259,400	257,656	258,813	258,592	256,666	258,723	257,898	258,048	258,477	258,395
Energy Purchased (MWH)	744,391	595,862	720,672	662,018	2,054,068	2,092,693	2,296,495	3,768,060	3,885,901	3,971,898	3,991,974	3,973,357	2,323,675	2,671,133	3,712,481	3,858,926	4,247,242	4,480,273	4,669,938	4,887,921
Energy Sold (MWH)	244,988	361,512	363,582	348,422	82,056	88,050	86,330	443,015	432,930	386,744	388,493	452,848	203,872	136,271	251,768	258,498	188,328	120,980	141,846	125,535
Hydro Total Cost ($)	[redacted]																			
Cost of Purchases ($)																				

Dale 1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.44	0.40	0.46	0.47	0.14	0.11	0.15	0.08	0.12	0.13	0.16	0.14	0.27	0.24	0.20	0.22	0.19	0.21	0.18	0.20
Availability Factor	0.92	0.91	0.90	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Average Heat Rate (Btu/kWh)	12,210	12,254	12,188	12,206	12,401	12,421	12,409	12,436	12,433	12,422	12,435	12,427	12,403	12,417	12,412	12,411	12,419	12,414	12,422	12,414
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Dale 2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.48	0.45	0.50	0.49	0.19	0.14	0.18	0.10	0.15	0.16	0.19	0.18	0.30	0.29	0.23	0.26	0.24	0.24	0.25	0.25
Availability Factor	0.94	0.93	0.93	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Average Heat Rate (Btu/kWh)	11,995	12,015	11,957	11,987	12,193	12,207	12,200	12,232	12,213	12,201	12,214	12,204	12,180	12,194	12,198	12,188	12,200	12,191	12,198	12,195
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Dale 3	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.36	0.33	0.43	0.44	0.08	0.07	0.09	0.05	0.08	0.09	0.10	0.09	0.16	0.14	0.13	0.13	0.12	0.12	0.13	0.13
Availability Factor	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Average Heat Rate (Btu/kWh)	11,848	11,963	11,765	11,748	12,709	12,727	12,693	12,969	12,689	12,705	12,667	12,432	12,318	12,339	12,348	12,332	12,383	12,396	12,346	12,367
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Dale 4	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.59	0.57	0.63	0.66	0.49	0.49	0.49	0.47	0.49	0.49	0.50	0.51	0.53	0.52	0.53	0.53	0.52	0.51	0.51	0.51
Availability Factor	0.90	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Average Heat Rate (Btu/kWh)	11,376	11,444	11,355	11,308	11,638	11,640	11,617	11,694	11,648	11,645	11,614	11,578	11,506	11,518	11,524	11,520	11,549	11,559	11,560	11,567
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Cooper 1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.36	0.40	0.51	0.54	0.24	0.21	0.24	0.10	0.20	0.20	0.22	0.18	0.35	0.35	0.31	0.35	0.31	0.32	0.31	0.33
Availability Factor	0.91	0.91	0.89	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Average Heat Rate (Btu/kWh)	10,173	10,167	10,105	10,078	10,393	10,519	10,500	10,602	10,542	10,524	10,510	10,462	10,338	10,369	10,329	10,326	10,362	10,356	10,343	10,359
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Cooper 2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.59	0.60	0.49	0.55	0.43	0.44	0.45	0.44	0.44	0.45	0.46	0.48	0.52	0.51	0.49	0.49	0.48	0.47	0.47	0.46
Availability Factor	0.92	0.88	0.79	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Average Heat Rate (Btu/kWh)	9,972	9,941	9,986	9,999	10,167	10,140	10,134	10,153	10,141	10,126	10,108	10,090	10,034	10,046	10,072	10,065	10,080	10,093	10,103	10,108
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Case 6 - Cancel Smith Coal, depend on Purchased Power until 2022 then construct combined cycle generation

Spurlock 1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.83	0.82	0.84	0.85	0.78	0.79	0.78	0.73	0.72	0.73	0.74	0.75	0.79	0.79	0.77	0.77	0.76	0.77	0.76	0.76
Availability Factor	0.93	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Average Heat Rate (Btu/kWh)	10,194	10,165	10,148	10,136	10,228	10,209	10,222	10,304	10,306	10,297	10,286	10,273	10,206	10,213	10,238	10,243	10,255	10,246	10,255	10,254
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)	[redacted]																			
Variable Production Cost ($/MWh)	[redacted]																			
SO2 Emission Costs ($)	[redacted]																			
NOx Emission Costs ($)	[redacted]																			

Spurlock 2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.75	0.81	0.78	0.78	0.74	0.76	0.75	0.69	0.69	0.69	0.70	0.71	0.76	0.76	0.74	0.73	0.72	0.73	0.72	0.72
Availability Factor	0.89	0.95	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Average Heat Rate (Btu/kWh)	10,054	10,026	10,007	10,002	10,065	10,039	10,056	10,153	10,163	10,149	10,140	10,125	10,036	10,041	10,079	10,087	10,102	10,092	10,100	10,098
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)	[redacted]																			
Variable Production Cost ($/MWh)	[redacted]																			
SO2 Emission Costs ($)	[redacted]																			
NOx Emission Costs ($)	[redacted]																			

Gilbert Unit	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.81	0.82	0.82	0.82	0.81	0.82	0.81	0.78	0.77	0.78	0.78	0.79	0.81	0.81	0.80	0.80	0.79	0.79	0.79	0.79
Availability Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Average Heat Rate (Btu/kWh)	9,779	9,750	9,733	9,734	9,759	9,746	9,766	9,893	9,902	9,887	9,874	9,855	9,779	9,781	9,804	9,812	9,832	9,825	9,836	9,840
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)	[redacted]																			
Variable Production Cost ($/MWh)	[redacted]																			
SO2 Emission Costs ($)	[redacted]																			
NOx Emission Costs ($)	[redacted]																			

Spurlock 4	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.76	0.81	0.84	0.84	0.83	0.84	0.83	0.79	0.79	0.79	0.80	0.80	0.83	0.83	0.82	0.82	0.81	0.81	0.81	0.81
Availability Factor	0.86	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Average Heat Rate (Btu/kWh)	9,815	9,721	9,640	9,645	9,666	9,659	9,675	9,804	9,812	9,796	9,779	9,765	9,687	9,687	9,711	9,718	9,736	9,731	9,744	9,745
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)	[redacted]																			
Variable Production Cost ($/MWh)	[redacted]																			
SO2 Emission Costs ($)	[redacted]																			
NOx Emission Costs ($)	[redacted]																			

Smith 1 (CFB)	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor																				
Availability Factor																				
Average Heat Rate (Btu/kWh)																				
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)	[redacted]																			
Variable Production Cost ($/MWh)	[redacted]																			
SO2 Emission Costs ($)	[redacted]																			
NOx Emission Costs ($)	[redacted]																			

Future CC 1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor											0.03	0.18	0.28	0.27	0.19	0.22	0.22	0.22	0.24	0.24
Availability Factor											0.90	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
Average Heat Rate (Btu/kWh)											7,646	7,591	7,577	7,581	7,596	7,586	7,591	7,605	7,593	7,593
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)	[redacted]																			
Variable Production Cost ($/MWh)	[redacted]																			
SO2 Emission Costs ($)	[redacted]																			
NOx Emission Costs ($)	[redacted]																			

Future CC 2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor												0.03	0.27	0.26	0.21	0.23	0.23	0.21	0.23	0.24
Availability Factor												0.90	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
Average Heat Rate (Btu/kWh)												7,658	7,577	7,581	7,601	7,592	7,594	7,605	7,594	7,595
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)	[redacted]																			
Variable Production Cost ($/MWh)	[redacted]																			
SO2 Emission Costs ($)	[redacted]																			
NOx Emission Costs ($)	[redacted]																			

REDACTED

Case 6 - Cancel Smith Coal, depend on Purchased Power until 2022 then construct combined cycle generation

Smith CT1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.01	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	0.00	0.00	0.00	0.00	0.00	0.00
Availability Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Average Heat Rate (Btu/kWh)	13,071	13,187	13,197	13,254	13,272	13,266	13,264	13,279	13,212	13,239	13,407	13,840	13,706	13,484	13,491	13,677	13,700	13,174	13,547	13,670
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.01	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	0.00	0.00	0.00	0.00	0.00	0.00
Availability Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Average Heat Rate (Btu/kWh)	13,276	13,368	13,490	13,495	13,462	13,387	13,381	13,378	13,394	13,454	13,595	13,819	13,636	13,530	13,481	13,645	13,599	13,293	13,577	13,575
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT3	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Availability Factor	0.94	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Average Heat Rate (Btu/kWh)	13,021	13,344	13,338	13,255	13,300	13,215	13,245	13,281	13,218	13,138	13,225	13,900	13,763	13,613	13,627	13,723	13,740	13,425	13,436	13,449
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT4	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.05	0.03	0.03	0.03	0.01	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.04	0.04	0.03	0.03	0.03	0.01	0.01	0.01
Availability Factor	0.97	0.93	0.99	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Average Heat Rate (Btu/kWh)	12,548	12,608	12,659	12,684	12,812	12,821	12,796	12,853	12,816	12,806	12,824	12,905	12,830	12,837	12,859	12,857	12,898	12,990	12,827	12,802
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT5	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.04	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.03	0.02	0.01	0.02	0.02	0.01	0.01	0.01
Availability Factor	0.99	0.99	0.99	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Average Heat Rate (Btu/kWh)	12,523	12,721	12,728	12,769	12,837	12,804	12,781	12,821	12,781	12,806	12,837	12,967	12,844	12,834	12,848	12,863	12,927	12,895	12,806	12,787
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT6	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.03	0.01	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Availability Factor	0.99	0.95	0.99	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Average Heat Rate (Btu/kWh)	12,449	12,721	12,731	12,768	12,799	12,764	12,773	12,748	12,756	12,745	12,797	12,975	12,839	12,844	12,824	12,855	12,926	12,696	12,759	12,754
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT7	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Availability Factor	0.99	0.99	0.95	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Average Heat Rate (Btu/kWh)	12,283	12,630	12,657	12,664	12,753	12,631	12,708	12,643	12,701	12,708	12,731	12,958	12,817	12,805	12,770	12,789	12,877	12,605	12,791	12,825
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

REDACTED

Case 6 - Cancel Smith Coal, depend on Purchased Power until 2022 then construct combined cycle generation

Smith CT 9	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.10	0.08	0.09	0.08	0.07	0.09	0.10	0.07	0.07	0.08	0.09	0.10	0.17	0.16	0.11	0.13	0.12	0.10	0.11	0.12
Availability Factor	0.84	0.92	0.98	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Average Heat Rate (Btu/kWh)	10,380	10,953	11,103	11,150	9,516	9,421	9,456	9,585	9,762	9,749	9,711	9,863	9,618	9,650	9,987	9,896	9,828	9,718	9,604	9,581
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT 10	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.12	0.11	0.13	0.12	0.11	0.16	0.16	0.11	0.10	0.12	0.12	0.12	0.21	0.20	0.12	0.15	0.16	0.16	0.18	0.19
Availability Factor	0.84	0.92	0.98	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Average Heat Rate (Btu/kWh)	10,325	10,799	10,978	11,001	9,488	9,461	9,465	9,601	9,710	9,708	9,678	9,640	9,400	9,472	9,684	9,627	9,630	9,772	9,666	9,629
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Landfill Gas Projects	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.95	0.94	0.95	0.95	0.94	0.95	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Availability Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Average Heat Rate (Btu/kWh)	11,847.80	11,842.00	11,827.70	11,827.70	11,827.80	11,827.80	11,827.80	11,828.10	11,828.10	11,828.10	11,828.00	11,828.00	11,827.80	11,827.80	11,827.90	11,827.90	11,828	11,828	11,828	11,828
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Future CT 1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor																	0.00	0.02	0.03	0.03
Availability Factor																	1.00	1.00	1.00	1.00
Average Heat Rate (Btu/kWh)																	12,626.40	13,016	12,905	12,917
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Future CT 2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor																		0.00	0.02	0.02
Availability Factor																		1.00	1.00	1.00
Average Heat Rate (Btu/kWh)																		12,536	12,884	12,873
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Case 7-Cancel Smith Coal, sell equipment to an entity constructing a similar plant and enter into a long term purchase agreement with same entity

		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Hydro Generation (MWH)	#	255,044	255,534	257,510	263,886	258,177	258,123	258,113	257,138	257,576	258,376	259,599	257,557	257,035	257,294	259,290	258,020	257,736	257,874	257,145	258,328
Energy Purchased (MWH)	#	744,391	595,862	720,672	662,018	2,054,068	3,145,265	3,276,917	3,514,909	3,641,704	3,737,703	3,740,146	3,718,478	3,702,406	3,938,703	5,082,238	5,234,547	5,511,816	5,612,590	5,847,990	6,057,539
Energy Sold (MWH)	#	244,988	361,512	363,582	348,422	82,056	403,948	387,052	340,298	335,679	295,349	302,425	364,597	363,786	258,108	575,587	533,933	407,910	292,826	296,919	250,429
Hydro Total Cost ($)	#	[redacted]																			
Cost of Purchases ($)	#																				
Dale 1		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor		0.44	0.40	0.46	0.47	0.14	0.06	0.08	0.09	0.14	0.15	0.17	0.18	0.22	0.20	0.17	0.19	0.18	0.19	0.18	0.19
Availability Factor		0.92	0.91	0.90	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Average Heat Rate (Btu/kWh)		12,210	12,254	12,188	12,206	12,401	12,452	12,444	12,432	12,416	12,406	12,417	12,423	12,401	12,410	12,414	12,412	12,418	12,412	12,419	12,405
Fuel Cost ($/MMBtu)		[redacted]																			
Variable O&M ($/MWh)																					
Variable Production Cost ($/MWh)																					
SO2 Emission Costs ($)																					
NOx Emission Costs ($)																					
Dale 2		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor		0.48	0.45	0.50	0.49	0.19	0.08	0.10	0.11	0.17	0.18	0.21	0.22	0.26	0.25	0.20	0.23	0.21	0.22	0.23	0.24
Availability Factor		0.94	0.93	0.93	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Average Heat Rate (Btu/kWh)		11,995	12,015	11,957	11,987	12,193	12,238	12,232	12,220	12,201	12,191	12,206	12,203	12,180	12,195	12,210	12,193	12,205	12,195	12,193	12,194
Fuel Cost ($/MMBtu)		[redacted]																			
Variable O&M ($/MWh)																					
Variable Production Cost ($/MWh)																					
SO2 Emission Costs ($)																					
NOx Emission Costs ($)																					
Dale 3		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor		0.36	0.33	0.43	0.44	0.08	0.04	0.05	0.05	0.09	0.10	0.11	0.10	0.12	0.12	0.11	0.11	0.10	0.10	0.11	0.11
Availability Factor		0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Average Heat Rate (Btu/kWh)		11,848	11,963	11,765	11,748	12,709	13,011	12,955	12,923	12,682	12,687	12,649	12,484	12,379	12,449	12,447	12,383	12,573	12,556	12,477	12,499
Fuel Cost ($/MMBtu)		[redacted]																			
Variable O&M ($/MWh)																					
Variable Production Cost ($/MWh)																					
SO2 Emission Costs ($)																					
NOx Emission Costs ($)																					
Dale 4		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor		0.59	0.57	0.63	0.66	0.49	0.47	0.48	0.48	0.49	0.49	0.50	0.51	0.51	0.51	0.50	0.51	0.50	0.50	0.50	0.50
Availability Factor		0.90	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Average Heat Rate (Btu/kWh)		11,376	11,444	11,355	11,308	11,638	11,694	11,664	11,682	11,638	11,638	11,608	11,564	11,555	11,565	11,588	11,577	11,596	11,596	11,609	11,618
Fuel Cost ($/MMBtu)		[redacted]																			
Variable O&M ($/MWh)																					
Variable Production Cost ($/MWh)																					
SO2 Emission Costs ($)																					
NOx Emission Costs ($)																					
Cooper 1		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor		0.36	0.40	0.51	0.54	0.24	0.13	0.15	0.11	0.22	0.22	0.25	0.21	0.25	0.26	0.19	0.21	0.21	0.22	0.22	0.24
Availability Factor		0.91	0.91	0.89	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Average Heat Rate (Btu/kWh)		10,173	10,167	10,105	10,078	10,393	10,577	10,577	10,626	10,509	10,508	10,493	10,448	10,412	10,443	10,418	10,408	10,471	10,453	10,439	10,442
Fuel Cost ($/MMBtu)		[redacted]																			
Variable O&M ($/MWh)																					
Variable Production Cost ($/MWh)																					
SO2 Emission Costs ($)																					
NOx Emission Costs ($)																					
Cooper 2		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor		0.59	0.60	0.49	0.55	0.43	0.42	0.43	0.44	0.45	0.46	0.47	0.48	0.49	0.48	0.46	0.47	0.46	0.45	0.45	0.45
Availability Factor		0.92	0.88	0.79	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Average Heat Rate (Btu/kWh)		9,972	9,941	9,986	9,999	10,167	10,175	10,168	10,144	10,132	10,118	10,100	10,080	10,071	10,082	10,109	10,100	10,112	10,122	10,131	10,134
Fuel Cost ($/MMBtu)		[redacted]																			
Variable O&M ($/MWh)																					
Variable Production Cost ($/MWh)																					
SO2 Emission Costs ($)																					
NOx Emission Costs ($)																					

Case 7-Cancel Smith Coal, sell equipment to an entity constructing a similar plant and enter into a long term purchase agreement with same entity

Spurlock 1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.83	0.82	0.84	0.85	0.78	0.74	0.74	0.73	0.73	0.74	0.74	0.75	0.77	0.76	0.74	0.74	0.73	0.74	0.73	0.73
Availability Factor	0.93	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Average Heat Rate (Btu/kWh)	10,194	10,165	10,148	10,136	10,228	10,278	10,279	10,294	10,297	10,288	10,277	10,266	10,245	10,249	10,276	10,279	10,293	10,283	10,295	10,295
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Spurlock 2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.75	0.81	0.78	0.78	0.74	0.71	0.71	0.70	0.69	0.70	0.71	0.71	0.73	0.73	0.71	0.71	0.70	0.70	0.70	0.69
Availability Factor	0.89	0.95	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Average Heat Rate (Btu/kWh)	10,054	10,026	10,007	10,002	10,065	10,113	10,116	10,143	10,154	10,141	10,131	10,115	10,087	10,089	10,121	10,130	10,149	10,134	10,151	10,152
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Gilbert Unit	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.81	0.82	0.82	0.82	0.81	0.79	0.79	0.78	0.78	0.78	0.79	0.79	0.80	0.80	0.78	0.78	0.77	0.78	0.78	0.77
Availability Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Average Heat Rate (Btu/kWh)	9,779.40	9,750.30	9,733.40	9,734.00	9,759.30	9,837.70	9,846.90	9,863.10	9,877.10	9,861.90	9,852.30	9,835.70	9,819.50	9,815.90	9,888.20	9,886.90	9,901.80	9,876.80	9,891.70	9,895.80
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Spurlock 4	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.76	0.81	0.84	0.84	0.83	0.81	0.80	0.80	0.80	0.80	0.81	0.81	0.81	0.82	0.79	0.79	0.79	0.80	0.79	0.79
Availability Factor	0.86	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Average Heat Rate (Btu/kWh)	9,815	9,721	9,640	9,645	9,666	9,754	9,760	9,773	9,785	9,769	9,755	9,744	9,725	9,719	9,802	9,797	9,809	9,786	9,803	9,802
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith 1 (CFB)	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor																				
Availability Factor																				
Average Heat Rate (Btu/kWh)																				
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Future CC	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor											0.03	0.20	0.21	0.21	0.16	0.18	0.18	0.17	0.19	0.19
Availability Factor											0.90	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
Average Heat Rate (Btu/kWh)											7,643	7,592	7,594	7,600	7,613	7,605	7,606	7,622	7,609	7,608
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.01	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	0.00	0.00	0.00	0.00	0.00	0.00
Availability Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Average Heat Rate (Btu/kWh)	13,071	13,187	13,197	13,254	13,272	13,321	13,354	13,311	13,182	13,285	13,376	13,765	13,779	13,571	13,463	13,778	13,775	13,210	13,540	13,829
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Case 7-Cancel Smith Coal, sell equipment to an entity constructing a similar plant and enter into a long term purchase agreement with same entity

Smith CT2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.01	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	0.00	0.00	0.00	0.00	0.00	0.00
Availability Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Average Heat Rate (Btu/kWh)	13,276	13,368	13,490	13,495	13,462	13,521	13,405	13,371	13,459	13,467	13,525	13,703	13,716	13,544	13,400	13,706	13,608	13,332	13,644	13,819
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT3	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Availability Factor	0.94	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Average Heat Rate (Btu/kWh)	13,021	13,344	13,338	13,255	13,300	13,346	13,353	13,283	13,144	13,196	13,280	13,814	13,791	13,637	13,451	13,804	13,842	13,204	13,481	13,493
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT4	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.05	0.03	0.03	0.03	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.01	0.01	0.01
Availability Factor	0.97	0.93	0.99	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Average Heat Rate (Btu/kWh)	12,548	12,608	12,659	12,684	12,812	12,800	12,848	12,830	12,818	12,819	12,818	12,868	12,865	12,846	12,857	12,884	12,909	12,996	12,866	12,909
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT5	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.04	0.02	0.02	0.02	0.01	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
Availability Factor	0.99	0.99	0.99	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Average Heat Rate (Btu/kWh)	12,523	12,721	12,728	12,769	12,837	12,740	12,803	12,818	12,778	12,801	12,821	12,934	12,875	12,851	12,834	12,894	12,942	12,891	12,835	12,869
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT6	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.03	0.01	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Availability Factor	0.99	0.95	0.99	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Average Heat Rate (Btu/kWh)	12,449	12,721	12,731	12,768	12,799	12,742	12,810	12,765	12,761	12,747	12,780	12,935	12,878	12,842	12,803	12,876	12,944	12,710	12,777	12,851
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT7	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01
Availability Factor	0.99	0.99	0.95	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Average Heat Rate (Btu/kWh)	12,283	12,630	12,657	12,664	12,753	12,733	12,795	12,660	12,715	12,690	12,713	12,901	12,878	12,804	12,736	12,843	12,890	12,585	12,782	12,883
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Smith CT 9	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.10	0.08	0.09	0.08	0.07	0.05	0.06	0.08	0.08	0.09	0.10	0.11	0.12	0.11	0.08	0.09	0.09	0.08	0.09	0.10
Availability Factor	0.84	0.92	0.98	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Average Heat Rate (Btu/kWh)	10,380	10,953	11,103	11,150	9,516	9,572	9,610	9,536	9,695	9,706	9,680	9,788	9,756	9,796	10,161	10,026	9,902	9,792	9,698	9,663
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

REDACTED

Case 7-Cancel Smith Coal, sell equipment to an entity constructing a similar plant and enter into a long term purchase agreement with same entity

Smith CT 10	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.12	0.11	0.13	0.12	0.11	0.09	0.09	0.13	0.12	0.14	0.14	0.14	0.15	0.14	0.09	0.11	0.12	0.12	0.14	0.15
Availability Factor	0.84	0.92	0.98	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Average Heat Rate (Btu/kWh)	10,325	10,799	10,978	11,001	9,488	9,576	9,529	9,572	9,674	9,679	9,647	9,617	9,623	9,682	9,872	9,826	9,837	9,928	9,777	9,748
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Landfill Gas Projects	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor	0.95	0.94	0.95	0.95	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Availability Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Average Heat Rate (Btu/kWh)	11,848	11,842	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828	11,828
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Future CT 1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor																	0.00	0.02	0.03	0.03
Availability Factor																	1.00	1.00	1.00	1.00
Average Heat Rate (Btu/kWh)																	12,519	13,041	12,946	12,948
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

Future CT 2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Factor																		0.00	0.02	0.02
Availability Factor																		1.00	1.00	1.00
Average Heat Rate (Btu/kWh)																		12,481	12,936	12,948
Fuel Cost ($/MMBtu)	[redacted]																			
Variable O&M ($/MWh)																				
Variable Production Cost ($/MWh)																				
SO2 Emission Costs ($)																				
NOx Emission Costs ($)																				

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

AN INVESTIGATION OF EAST KENTUCKY POWER COOPERATIVE, INC.'S NEED FOR THE SMITH 1 GENERATING FACILITY	) PSC CASE NO.) 2010-00238)

TESTIMONY OF
GARY G. STANSBERRY
MANAGER OF PERFORMANCE AND IMPROVEMENT
EAST KENTUCKY POWER COOPERATIVE, INC.

Filed: November 18, 2010

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

AN INVESTIGATION OF EAST KENTUCKY POWER COOPERATIVE, INC.'S NEED FOR THE SMITH 1 GENERATING FACILITY	**)))**	**PSC CASE NO. 2010-00238**

DIRECT TESTIMONY OF GARY G. STANSBERRY
ON BEHALF OF EAST KENTUCKY POWER COOPERATIVE, INC.

Q. Please state your name, business address and occupation.

A. My name is Gary G. Stansberry and my business address is East Kentucky Power Cooperative (EKPC), 4775 Lexington Road, Winchester, Kentucky 40391. I am Manager of Performance and Improvement for EKPC.

Q. Please state your education and professional experience.

A. I have a Bachelor of Business Administration Degree in Accounting from Eastern Kentucky University, which I received in 1974. I have been employed by East Kentucky Power Cooperative since January 1981 in the areas of Accounting, Rates and Pricing, Performance and Improvement, and Financial Forecasting.

Q. Please provide a brief description of your duties at EKPC.

A. I am currently responsible for financial forecasting and corporate and business unit performance measures and targets at EKPC.

Q. What is the purpose of your testimony?

A. The purpose of my testimony is to describe the financial forecasting model, to provide the financial results of the seven cases described in Ms. Tucker's testimony, and to discuss the impact on EKPC's members' rates.

Q. Are you sponsoring any exhibits in this proceeding?

A. Yes. I am sponsoring the following exhibits: Exhibit GGS-1—Net Present Value of Cost of Each Scenario; Exhibit GGS-2—Comparison PV Total Revenue Requirements from Members for each case, and Statements of Operations for each case; Exhibit GGS-3—Annual Revenue Requirements and Percentage of Existing Revenue Requirements - Case 1 - Total Dollars and as a Percentage of Existing Revenue; Exhibit GGS-4, Member Cost Summary and Rate Detail for each case, and Exhibit GGS-5, Financial Assumptions for the PSC Smith Investigation Study.

Q. Can you explain the financial forecasting process?

A. The long-term financial forecasting process is integrated with the overall planning process. The planning process begins with the load forecast, identifying the generation resources and capital investment necessary to meet peak, energy, and load reserve requirements. These additional resources, commonly referred to as an "expansion plan", along with EKPC's existing resources, are dispatched in an hourly production costing model to determine variable costs (fuel, purchased power, emissions) associated with meeting EKPC's load. These variable costs, along with fixed costs and the investments directly related to the expansion plan, are input into the financial model. The financial model incorporates all the financial parameters and projections of revenue, expenses, margins, assets, etc., which in turn develop the revenue requirements necessary for meeting proper financial objectives. These revenue requirements then translate into rates to our member systems. These rates then become an input into future load forecasts. The planning process with its related financial forecasting process is an interactive and circular process.

Q. How do the results of the production costing model, described in Ms. Tucker's testimony, flow to the financial forecasting model?

A. The output of the production costing model is summarized in spreadsheet form and includes fuel cost, generation levels (MWh), emission levels, power purchases and off-system sales. This data is entered into the financial model in its appropriate place.

Q. Can you explain more about the financial forecasting portion of the planning process?

A. The process incorporates the use of financial statements, including a statement of operations, cash flow, and balance sheet. Actual, budgeted, and forecasted data is used to project future financial positions. For example, an investment in future plant will show the need for increased debt with related interest, depreciation, taxes, insurance, and operation and maintenance (O&M) expense. This future plant example will then set into motion the cash flow aspects of principal payments increasing over time, recovery of depreciation, and the margin effect created by the above expenses. The balance sheet will reflect the increase in assets and corresponding funding by debt and equity. General expenses and capital costs are escalated over time based on the assumptions. Please refer to Exhibit GGS-5 "Financial Assumptions for PSC Smith Investigation Study" for additional assumptions.

Q. How does the need for rates enter into the forecasting process?

A. The financial situation produced by the forecasted financial statements referred to above, will change from year to year. These changes in financial positions are evaluated in light of creditor standards, company goals, and general business standards to determine the financial viability of the organization in that year. For example, a Times Interest Earned

Ratio (TIER), a Debt Service Coverage (DSC), and Equity to Asset ratio (Equity Ratio) are ratios to help evaluate the current year status. The recognition of revenue shortfall is addressed by the need for additional revenue requirements. These revenue requirements are then translated into future rates in order to recover the proper revenue for financial stability.

Q. How has the financial model been used to address the requirements of this order?

A. The financial model has been used with all seven cases, as described in Ms. Tucker's testimony, in addressing the requirements of this order. The revenue requirements have been determined in each case on a year by year basis, accumulated on a present value basis, and rates each year from the seven cases have been determined as shown in Exhibit GGS-1, Exhibit GGS-2, and Exhibit GGS-4. These exhibits also show the income statements for 20 years and the detailed rates by rate class for each case. A calculation of percentage increase in revenue requirements from the initial year is also contained in Exhibit GGS-3. These exhibits from the financial model address items 5-8 on pages 9 and 10 of the Commission's Order dated June 22, 2010.

Q. What level of TIER was used to determine the revenue requirements?

A. A TIER level of 1.50 was used to determine the revenue requirements. The revenue requirements are determined by the revenue generated from member rates to meet the expenses and margin requirements in a given year, plus any additional revenue needed through rate increases to achieve the financial stability required. This TIER level is consistent with the level used in Case No. 2010-00167.

Q. What assumptions are used in the financial model?

A. Assumptions include TIER, discount rate, CO_2 legislation, and residual values. I will expand on each of these assumptions.

Q. What was the basis for determining the rate increases?

A. As mentioned previously, a TIER of 1.50 was used as the basis of the earnings mechanism or margin level in each of the cases. This level reflects EKPC's management philosophy for its equity management and growth position. This value was used as a constant across all years and in all cases for determining the revenue requirements. By using this assumption, EKPC eliminates the timing differences which may occur from working within a bandwidth of minimum and maximum TIER levels. In this way revenue requirements are given equal treatment from the earnings mechanism in each year throughout all cases.

Q. How was possible CO2 legislation handled?

A. One of the assumptions used by EKPC considered the passing of some type of CO2 legislation. This is introduced into the model beginning in 2014 with a cap and trade arrangement. This is modeled after House Bill H.R. 2454: *American Clean Energy and Security Act of 2009* presented by Rep. Henry Waxman (D-CA). The total tons of CO2 produced by the generating units are captured from the production costing model. An EKPC tonnage allotment from EPA of approximately 57% of EKPC's usage is assumed beginning in 2014. This initial allotment of 6.8M tons decreases over time resulting in increasing cost for EKPC. The excess tonnage over the allotment amount results in EKPC's responsibility at forecast prices. The emission price forecast is provided by ACES Power Marketing and contained in the assumptions, provided with Ms. Tucker's testimony.

Q. What discount rate was used in the present value calculations?

A. The rate used was 7.52% and was based on EKPC's cost of capital. This was computed from EKPC's current rate case with a 2011 forecasted test year interest expense of 5.01% times 1.50 TIER. (Case No. 2010-00167, Application Volume 5, Tab 55).

Q. Were residual values of related plant investment considered in these cases?

A. Yes. Residual values of all new plant investment during the twenty year window were considered at net book value. These amounts are shown on Exhibit GGS-2 along with their related present value amount. This present value amount reduces the net present value revenue requirements in each calculation in arriving at the total. This applies to only new plant investment during the forecast period in order to give proper recognition of asset value at the end of the analysis period.

Q. Is there anything unique that you would like to explain about the financial model used in this analysis?

A. Yes. Normally, the first two years of this financial model encompass the Two-year Budget (2010-2011). In EKPC's current model, the "test year" from EKPC's current rate case (Case 2010-00167) has been substituted for the 2011 budget year. For accuracy reasons, this should be noted when the reference in the following discussion on "procedure and programming" speaks to this 2nd year budget as the 2011 budget year. The procedure and programming of the model requires the first two years to be hardcoded into the model. Forecasting amounts start thereafter beginning in 2012. The new 2010 load forecast has been incorporated into the analysis and affects years 2012 and beyond. Due to the timing of this Order, a new budget has not been completed in order to synchronize with the 2010 load forecast. Therefore, the first two budget years of the forecast are based on the modified 2008 load forecast. We recognize differences due to the slower-growth 2010 load forecast for those two years. The revenue downturn has been estimated at $164M with estimated margin reduction of $29M. The transition from 2011 budget year to 2012 forecast year therefore may produce results which seem disproportionate on the income statement and needs to be understood by this situation.

Q. Will this affect the results of this analysis?

A. The comparison results will not be affected. Each case includes the same assumptions relative to the two budget years of 2010-2011, and therefore, the measurement of differences between cases is preserved.

Q. How were the Cases 1-3 handled in regards to Smith 1?

A. Cases 1-3 retained Smith 1 in EKPC's portfolio for analysis purposes, yet in two-year delays to distinguish the cases. Therefore, Case 1 (base case) includes Smith 1 for 2014 and Cases 2 & 3 follow with 2016 and 2018 dates respectively.

Q. How were the cases handled which removed Smith 1 from EKPC's books?

A. Cases 4, 5 and 6 incorporated the recovery of a regulatory asset in the amount of the Smith 1 net investment. This amount was $151 million as of 2009. The budgeted amount of Smith 1 through 2011 was $171 million, and was used as the proxy for the total amount of investment, including contract cancellation costs. Salvage was determined at $20 million, thereby reducing the net amount to $151 million. Since EKPC cannot write off this amount to expense in one year without defaulting on its loan covenants, EKPC assumed that a regulatory asset was established in order to properly account for this situation. This regulatory asset was established assuming a 10 year recovery/amortization period.

Case 7 involved the sale of Smith 1 at book value to an independent power producer beginning in 2012. Smith 1 was removed from EKPC's books by reducing Construction Work in Progress (CWIP) and reducing the related debt.

Q. Can you explain more of how you handled the regulatory asset?

A. Yes. The regulatory asset was established by transferring the net CWIP balance ($171M less $20M salvage) of $151 million. As noted in the testimony of Mr. Mitchell, the most recent estimate of contract unwinding costs and asset disposal costs is $10M, which is $10M less than was used in the forecasting model. This reduction in estimate would not alter the outcome of the analysis. The related CWIP loan amounts were reduced and a new 10 year loan was created in order to finance the regulatory asset. The regulatory asset was amortized on a straight-line basis for 10 years and interest expense from the 10 year loan was charged to the statement of operations.

Q. What were the results from these cases?

A. Please refer to Exhibit GGS-1 and GGS-4. Case 1 assumed the initial Smith 1 investment to be $819 million, which is the most recent estimate prepared jointly by Stanley Consultants and EKPC. The Smith 1 investment cost increased 15% for Case 2 (2016) and a total of 24% for Case 3 (2018) over this base amount. Cases 1, 2, 3 ("Smith cases") were shown to be less costly as the in-service time was delayed from 2-years to 4-years. The extent of cost savings was $139M or 1.09%. The savings in member rates can be seen in the early years by the delayed investment, and then followed by slightly higher rates once the escalated investment cost was realized in rates. The present value effect valued the early-year savings as greater than the increased cost after in-service.

Q. How did the other cases compare and what were their results?

A. Cases 4 and 6 showed the greatest savings from the base case at $380M and $404M respectively, or 3.17% maximum savings. These cases involved a gas combined cycle and additionally a 5 yr purchase agreement for Case 6, instead of the Smith 1 investment. One key factor to these cases is the assumption that $906/kW (in 2010 dollars) is the combined cycle investment cost, which is one-third of Smith 1. The resulting cost to members starts lower and stays lower than the Smith cases for all 20 years.

Case 5 involved a portfolio of renewable energy, energy efficiency, and demand-side management (DSM) resources. The amount of DSM was increased in this case from 223 MW (base case) to 400 MW, along with known wind and biomass projects to fill the resources. These projects came in the form of purchases including any firm-up charges. Renewable energy credits were applied and transmission charges were included on all of these purchases, as with all purchases in all cases. Case 5 saved $78M over the base case or 0.61%.

Case 7 involved a long-term purchase and sale of Smith 1. The sale is a possible alternative to the need for a regulatory asset. This case showed a savings of $168M or 1.32%.

Q. Is there anything else about Case 5 that is unique?

A. Yes, Case 5 required an adjustment to billing units due to its increased DSM and energy efficiency. This increased DSM caused a shift in load and therefore recalculation and development of new billing units had to occur. This is the only case requiring such treatment.

Q. From your analysis, were you able to obtain an overall conclusion?

A. Yes. Exhibit GGS-1 summarizes the net present value of each case. Based on these results, Smith 1 is no longer the least cost option.

Q. Does this conclude your testimony?

A. Yes it does.

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In re the Matter of:

AN INVESTIGATION OF EAST KENTUCKY	**)**	
POWER COOPERATIVE, INC. 'S NEED FOR	**)**	**CASE NO. 2010-00238**
THE SMITH 1 GENERATING FACILITY	**)**	

AFFIDAVIT

STATE OF KENTUCKY)
)
COUNTY OF CLARK)

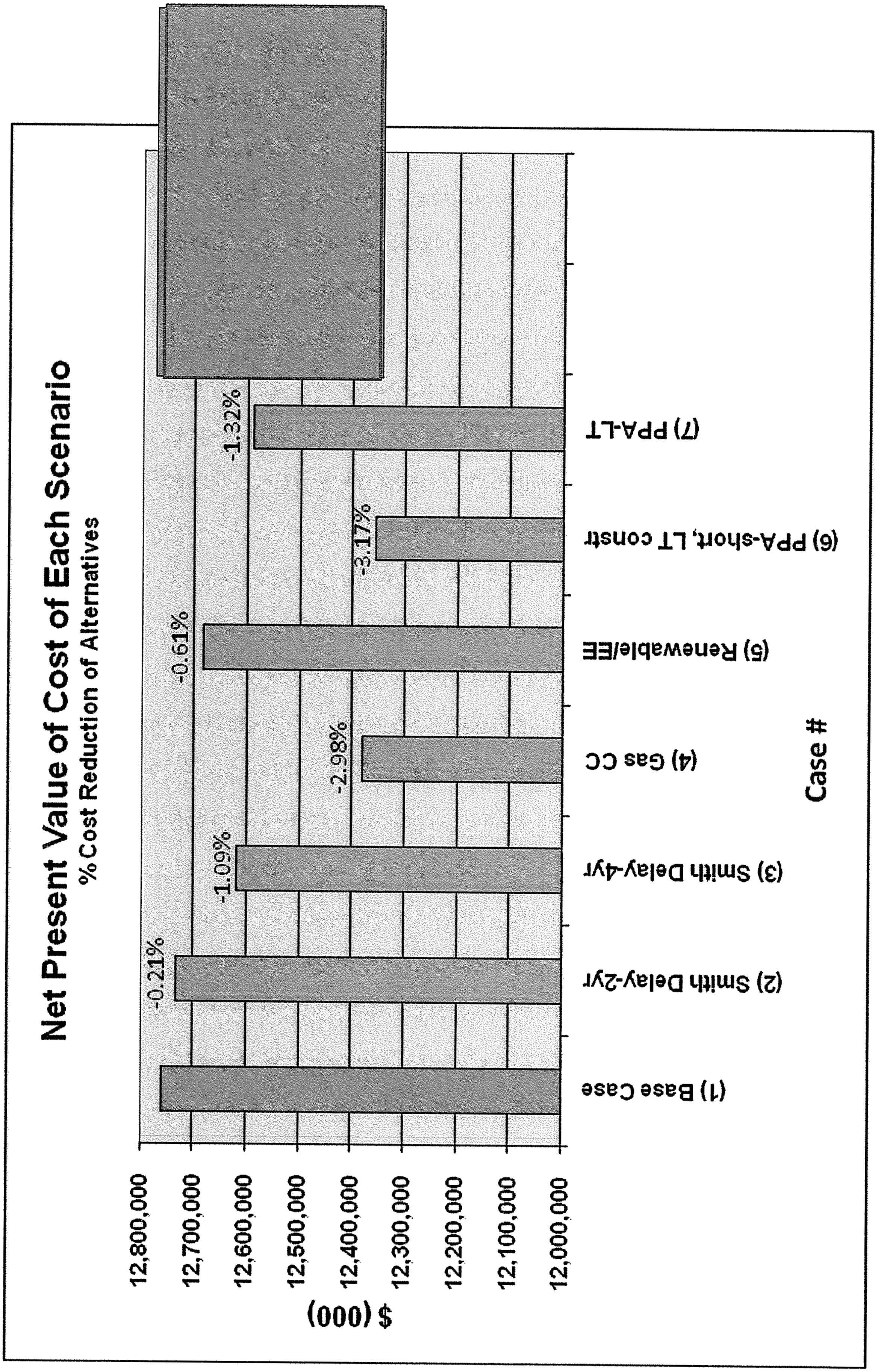
Gary G. Stansberry, being duly sworn, states that he has read the foregoing prepared testimony and that he would respond in the same manner to the questions if so asked upon taking the stand, and that the matters and things set forth therein are true and correct to the best of his knowledge, information and belief.

Gary G. Stansberry

Subscribed and sworn before me on this 18th day of November, 2010.

Notary Public

MY COMMISSION EXPIRES NOVEMBER 30, 2013
NOTARY ID #409352


Net Present Value of Cost of Each Scenario
% Cost Reduction of Alternatives
$ (000)
12,800,000
12,700,000
12,600,000
12,500,000
12,400,000
12,300,000
12,200,000
12,100,000
12,000,000
-0.21%
-1.09%
-2.98%
-0.61%
-3.17%
-1.32%
(1) Base Case
(2) Smith Delay-2yr
(3) Smith Delay-4yr
(4) Gas CC
(5) Renewable/EE
(6) PPA-short, LT constr
(7) PPA-LT
Case #

REDACTED

COMPARISON PV TOTAL REVENUE REQUIREMENTS FROM MEMBERS
PSC - SMITH 1 INVESTIGATION - CASE NO. 2010-00238
BASED ON 1.50 TIER
($ 000)

Discount Rate [redacted]

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Case 1 - Base - Smith 2014	[redacted]										
Case 2 - Smith 2016											
Case 3 - Smith 2018 (Optimal)											
Case 4 - Cancel Smith - Gas CC (2)											
Case 5 - Green sources											
Case 6 - PPA-Short, LT Constr											
Case 7 - PPA - LT											

	2021	2022	2023	2024	2025	2026	2027	2028	2029	RESIDUAL/ NBV NEW PLANT 12/31/2029	PV 2010 $ RESIDUAL VALUE NEW PLANT
Case 1 - Base - Smith 2014	[redacted]										
Case 2 - Smith 2016											
Case 3 - Smith 2018 (Optimal)											
Case 4 - Cancel Smith - Gas CC (2)											
Case 5 - Green sources											
Case 6 - PPA-Short, LT Constr											
Case 7 - PPA - LT											

Net Present Value (2010 - 2029)	NPV	Variance to Base
Case 1 - Base - Smith 2014	[redacted]	
Case 2 - Smith 2016		
Case 3 - Smith 2018 (Optimal)		
Case 4 - Cancel Smith - Gas CC (2)		
Case 5 - Green sources		
Case 6 - PPA-Short, LT Constr		
Case 7 - PPA - LT		

* NPV Equals Summation of Years 2010 - 2029, Plus Residual Value of New Plant

EAST KENTUCKY POWER COOPERATIVE
PSC - SMITH INVESTIGATION STUDY - CASE NO. 2010-00238
CASE 1 - BASE - SMITH 2014 - TIER 1.50

STATEMENT OF OPERATIONS

	ACTUAL 2008	ACTUAL 2009	BUDGET 2010	ADJUSTED TEST YEAR 2011	2012	2013	2014	2015	2016	2017	2018
OPERATING REVENUE											
MEMBER COOPERATIVES											
BASE RATES	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
FUEL ADJUSTMENT											
ENVIRONMENTAL SURCHARGE											
BASE RATE CHANGE											
TOTAL FROM MEMBERS											
OFF SYSTEM SALES											
TOTAL OPERATING REVENUE											
EXPENSES											
PRODUCTION											
FUEL	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
O AND M											
OTHER POWER SUPPLY											
TRANSMISSION O AND M											
ADMINISTRATIVE & GENERAL											
DEPRECIATION											
TAXES											
INTEREST ON LONG TERM DEBT											
INTEREST CHARGED TO CONSTR											
OTHER DEBT COST											
TOTAL EXPENSES											
OPERATING MARGINS	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
OTHER REVENUE											
NET MARGIN	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
TIMES INTEREST EARNED RATIO	1.25	1.27	1.22	1.41	1.50	1.50	1.50	1.50	1.50	1.50	1.50

EAST KENTUCKY POWER COOPERATIVE
PSC - SMITH INVESTIGATION STUDY - CASE NO. 2010-00238
CASE 1 - BASE - SMITH 2014 - TIER 1.50

STATEMENT OF OPERATIONS
($000)

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
OPERATING REVENUE											
MEMBER COOPERATIVES											
BASE RATES	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
FUEL ADJUSTMENT	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
ENVIRONMENTAL SURCHARGE	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
BASE RATE CHANGE	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
TOTAL FROM MEMBERS	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
OFF SYSTEM SALES	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
TOTAL OPERATING REVENUE	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
EXPENSES											
PRODUCTION											
FUEL	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
O AND M	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
OTHER POWER SUPPLY	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
TRANSMISSION O AND M	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
ADMINISTRATIVE & GENERAL	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
DEPRECIATION	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
TAXES	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
INTEREST ON LONG TERM DEBT	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
INTEREST CHARGED TO CONSTR	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
OTHER DEBT COST	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
TOTAL EXPENSES	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
OPERATING MARGINS	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
OTHER REVENUE	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
NET MARGIN	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
TIMES INTEREST EARNED RATIO	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50

REDACTED

EAST KENTUCKY POWER COOPERATIVE
PSC - SMITH INVESTIGATION STUDY - CASE NO. 2010-00238
CASE 2 - SMITH 2016 - TWO-YEAR DELAY - TIER 1.50

STATEMENT OF OPERATIONS

	ACTUAL 2008	ACTUAL 2009	BUDGET 2010	ADJUSTED TEST YEAR 2011	2012	2013	2014	2015	2016	2017	2018
OPERATING REVENUE											
MEMBER COOPERATIVES	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
BASE RATES											
FUEL ADJUSTMENT											
ENVIRONMENTAL SURCHARGE											
BASE RATE CHANGE											
TOTAL FROM MEMBERS											
OFF SYSTEM SALES											
TOTAL OPERATING REVENUE											
EXPENSES											
PRODUCTION	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
FUEL											
O AND M											
OTHER POWER SUPPLY											
TRANSMISSION O AND M											
ADMINISTRATIVE & GENERAL											
DEPRECIATION											
TAXES											
INTEREST ON LONG TERM DEBT											
INTEREST CHARGED TO CONSTR											
OTHER DEBT COST											
TOTAL EXPENSES											
OPERATING MARGINS	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
OTHER REVENUE											
NET MARGIN	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
TIMES INTEREST EARNED RATIO	1.25	1.27	1.22	1.41	1.50	1.50	1.50	1.50	1.50	1.50	1.50

REDACTED

EAST KENTUCKY POWER COOPERATIVE
PSC - SMITH INVESTIGATION STUDY - CASE NO. 2010-00238
CASE 2 - SMITH 2016 - TWO-YEAR DELAY - TIER 1.50

STATEMENT OF OPERATIONS
($000)

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
OPERATING REVENUE											
MEMBER COOPERATIVES											
BASE RATES	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
FUEL ADJUSTMENT											
ENVIRONMENTAL SURCHARGE											
BASE RATE CHANGE											
TOTAL FROM MEMBERS											
OFF SYSTEM SALES											
TOTAL OPERATING REVENUE											
EXPENSES											
PRODUCTION	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
FUEL											
O AND M											
OTHER POWER SUPPLY											
TRANSMISSION O AND M											
ADMINISTRATIVE & GENERAL											
DEPRECIATION											
TAXES											
INTEREST ON LONG TERM DEBT											
INTEREST CHARGED TO CONSTR											
OTHER DEBT COST											
TOTAL EXPENSES											
OPERATING MARGINS	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
OTHER REVENUE											
NET MARGIN	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
TIMES INTEREST EARNED RATIO	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50

REDACTED

EAST KENTUCKY POWER COOPERATIVE
PSC - SMITH INVESTIGATION STUDY - CASE NO. 2010-00238
CASE 3 - SMITH 2018 - FOUR-YEAR DELAY (OPTIMAL) - TIER 1.50

STATEMENT OF OPERATIONS

	ACTUAL 2008	ACTUAL 2009	BUDGET 2010	ADJUSTED TEST YEAR 2011	2012	2013	2014	2015	2016	2017	2018
OPERATING REVENUE											
MEMBER COOPERATIVES											
BASE RATES	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
FUEL ADJUSTMENT											
ENVIRONMENTAL SURCHARGE											
BASE RATE CHANGE											
TOTAL FROM MEMBERS											
OFF SYSTEM SALES											
TOTAL OPERATING REVENUE											
EXPENSES											
PRODUCTION											
FUEL	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
O AND M											
OTHER POWER SUPPLY											
TRANSMISSION O AND M											
ADMINISTRATIVE & GENERAL											
DEPRECIATION											
TAXES											
INTEREST ON LONG TERM DEBT											
INTEREST CHARGED TO CONSTR											
OTHER DEBT COST											
TOTAL EXPENSES											
OPERATING MARGINS	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
OTHER REVENUE											
NET MARGIN	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
TIMES INTEREST EARNED RATIO	1.25	1.27	1.22	1.41	1.50	1.50	1.50	1.50	1.50	1.50	1.50

EAST KENTUCKY POWER COOPERATIVE
PSC - SMITH INVESTIGATION STUDY - CASE NO. 2010-00238
CASE 3 - SMITH 2018 - FOUR-YEAR DELAY (OPTIMAL) - TIER 1.50

STATEMENT OF OPERATIONS
($000)

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
OPERATING REVENUE											
MEMBER COOPERATIVES	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
BASE RATES											
FUEL ADJUSTMENT											
ENVIRONMENTAL SURCHARGE											
BASE RATE CHANGE											
TOTAL FROM MEMBERS											
OFF SYSTEM SALES											
TOTAL OPERATING REVENUE											
EXPENSES											
PRODUCTION	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
FUEL											
O AND M											
OTHER POWER SUPPLY											
TRANSMISSION O AND M											
ADMINISTRATIVE & GENERAL											
DEPRECIATION											
TAXES											
INTEREST ON LONG TERM DEBT											
INTEREST CHARGED TO CONSTR											
OTHER DEBT COST											
TOTAL EXPENSES											
OPERATING MARGINS	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
OTHER REVENUE											
NET MARGIN	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
TIMES INTEREST EARNED RATIO	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50

EAST KENTUCKY POWER COOPERATIVE
PSC - SMITH INVESTIGATION STUDY - CASE NO. 2010-00238
CASE 4 - CANCEL SMITH - GAS (COMBINED CYCLE) - TIER 1.50

STATEMENT OF OPERATIONS

	ACTUAL 2008	ACTUAL 2009	BUDGET 2010	ADJUSTED TEST YEAR 2011	2012	2013	2014	2015	2016	2017	2018
OPERATING REVENUE											
MEMBER COOPERATIVES	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
BASE RATES											
FUEL ADJUSTMENT											
ENVIRONMENTAL SURCHARGE											
BASE RATE CHANGE											
TOTAL FROM MEMBERS											
OFF SYSTEM SALES											
TOTAL OPERATING REVENUE											
EXPENSES											
PRODUCTION	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
FUEL											
O AND M											
OTHER POWER SUPPLY											
TRANSMISSION O AND M											
ADMINISTRATIVE & GENERAL											
DEPRECIATION											
TAXES											
INTEREST ON LONG TERM DEBT											
INTEREST CHARGED TO CONSTR											
OTHER DEBT COST											
TOTAL EXPENSES											
OPERATING MARGINS	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
OTHER REVENUE											
NET MARGIN	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
TIMES INTEREST EARNED RATIO	1.25	1.27	1.22	1.41	1.50	1.50	1.50	1.50	1.50	1.50	1.50

REDACTED

EAST KENTUCKY POWER COOPERATIVE
PSC - SMITH INVESTIGATION STUDY - CASE NO. 2010-00238
CASE 4 - CANCEL SMITH - GAS (COMBINED CYCLE) - TIER 1.50

STATEMENT OF OPERATIONS
($000)

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
OPERATING REVENUE											
MEMBER COOPERATIVES											
BASE RATES	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
FUEL ADJUSTMENT											
ENVIRONMENTAL SURCHARGE											
BASE RATE CHANGE											
TOTAL FROM MEMBERS											
OFF SYSTEM SALES											
TOTAL OPERATING REVENUE											
EXPENSES											
PRODUCTION	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
FUEL											
O AND M											
OTHER POWER SUPPLY											
TRANSMISSION O AND M											
ADMINISTRATIVE & GENERAL											
DEPRECIATION											
TAXES											
INTEREST ON LONG TERM DEBT											
INTEREST CHARGED TO CONSTR											
OTHER DEBT COST											
TOTAL EXPENSES											
OPERATING MARGINS	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
OTHER REVENUE											
NET MARGIN	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
TIMES INTEREST EARNED RATIO	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50

EAST KENTUCKY POWER COOPERATIVE

PSC - SMITH INVESTIGATION STUDY - CASE NO. 2010-00238

CASE 5 - CANCEL SMITH - GREEN SOURCES - DSM - TIER 1.50

STATEMENT OF OPERATIONS

	ACTUAL 2008	ACTUAL 2009	BUDGET 2010	ADJUSTED TEST YEAR 2011	2012	2013	2014	2015	2016	2017	2018
OPERATING REVENUE											
MEMBER COOPERATIVES											
BASE RATES	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
FUEL ADJUSTMENT											
ENVIRONMENTAL SURCHARGE											
BASE RATE CHANGE											
TOTAL FROM MEMBERS											
OFF SYSTEM SALES											
TOTAL OPERATING REVENUE											
EXPENSES											
PRODUCTION											
FUEL	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
O AND M											
OTHER POWER SUPPLY											
TRANSMISSION O AND M											
ADMINISTRATIVE & GENERAL											
DEPRECIATION											
TAXES											
INTEREST ON LONG TERM DEBT											
INTEREST CHARGED TO CONSTR											
OTHER DEBT COST											
TOTAL EXPENSES											
OPERATING MARGINS	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
OTHER REVENUE											
NET MARGIN	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
TIMES INTEREST EARNED RATIO	1.25	1.27	1.22	1.41	1.50	1.50	1.50	1.50	1.50	1.50	1.50

EAST KENTUCKY POWER COOPERATIVE
PSC - SMITH INVESTIGATION STUDY - CASE NO. 2010-00238
CASE 5 - CANCEL SMITH - GREEN SOURCES - DSM - TIER 1.50

STATEMENT OF OPERATIONS
($000)

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
OPERATING REVENUE											
MEMBER COOPERATIVES											
BASE RATES	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
FUEL ADJUSTMENT											
ENVIRONMENTAL SURCHARGE											
BASE RATE CHANGE											
TOTAL FROM MEMBERS											
OFF SYSTEM SALES											
TOTAL OPERATING REVENUE											
EXPENSES											
PRODUCTION											
FUEL	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
O AND M											
OTHER POWER SUPPLY											
TRANSMISSION O AND M											
ADMINISTRATIVE & GENERAL											
DEPRECIATION											
TAXES											
INTEREST ON LONG TERM DEBT											
INTEREST CHARGED TO CONSTR											
OTHER DEBT COST											
TOTAL EXPENSES											
OPERATING MARGINS	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
OTHER REVENUE											
NET MARGIN	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
TIMES INTEREST EARNED RATIO	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50

EAST KENTUCKY POWER COOPERATIVE

PSC - SMITH INVESTIGATION STUDY - CASE NO. 2010-00238

CASE 6 - CANCEL SMITH - SHORT-TERM PPA/LONG-TERM CONSTR W/ CCGT - TIER 1.50

STATEMENT OF OPERATIONS

	ACTUAL 2008	ACTUAL 2009	BUDGET 2010	ADJUSTED TEST YEAR 2011	2012	2013	2014	2015	2016	2017	2018
OPERATING REVENUE											
MEMBER COOPERATIVES	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
BASE RATES											
FUEL ADJUSTMENT											
ENVIRONMENTAL SURCHARGE											
BASE RATE CHANGE											
TOTAL FROM MEMBERS											
OFF SYSTEM SALES											
TOTAL OPERATING REVENUE											
EXPENSES											
PRODUCTION	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
FUEL											
O AND M											
OTHER POWER SUPPLY											
TRANSMISSION O AND M											
ADMINISTRATIVE & GENERAL											
DEPRECIATION											
TAXES											
INTEREST ON LONG TERM DEBT											
INTEREST CHARGED TO CONSTR											
OTHER DEBT COST											
TOTAL EXPENSES											
OPERATING MARGINS	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
OTHER REVENUE											
NET MARGIN	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
TIMES INTEREST EARNED RATIO	1.25	1.27	1.22	1.41	1.50	1.50	1.50	1.50	1.50	1.50	1.50

REDACTED

EAST KENTUCKY POWER COOPERATIVE

PSC - SMITH INVESTIGATION STUDY - CASE NO. 2010-00238

CASE 6 - CANCEL SMITH - SHORT-TERM PPA/LONG-TERM CONSTR W/ CCGT - TIER 1.50

STATEMENT OF OPERATIONS
($000)

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
OPERATING REVENUE											
MEMBER COOPERATIVES											
BASE RATES	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
FUEL ADJUSTMENT											
ENVIRONMENTAL SURCHARGE											
BASE RATE CHANGE											
TOTAL FROM MEMBERS											
OFF SYSTEM SALES											
TOTAL OPERATING REVENUE											
EXPENSES											
PRODUCTION											
FUEL	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
O AND M											
OTHER POWER SUPPLY											
TRANSMISSION O AND M											
ADMINISTRATIVE & GENERAL											
DEPRECIATION											
TAXES											
INTEREST ON LONG TERM DEBT											
INTEREST CHARGED TO CONSTR											
OTHER DEBT COST											
TOTAL EXPENSES											
OPERATING MARGINS	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
OTHER REVENUE											
NET MARGIN	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
TIMES INTEREST EARNED RATIO	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50

REDACTED

EAST KENTUCKY POWER COOPERATIVE
PSC - SMITH INVESTIGATION STUDY - CASE NO. 2010-00238
CASE 7 - CANCEL SMITH - EQUIPMENT SOLD - LONG-TERM PPA - TIER 1.50

STATEMENT OF OPERATIONS

	ACTUAL 2008	ACTUAL 2009	BUDGET 2010	ADJUSTED TEST YEAR 2011	2012	2013	2014	2015	2016	2017	2018
OPERATING REVENUE											
MEMBER COOPERATIVES											
BASE RATES	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
FUEL ADJUSTMENT											
ENVIRONMENTAL SURCHARGE											
BASE RATE CHANGE											
TOTAL FROM MEMBERS											
OFF SYSTEM SALES											
TOTAL OPERATING REVENUE											
EXPENSES											
PRODUCTION											
FUEL	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
O AND M											
OTHER POWER SUPPLY											
TRANSMISSION O AND M											
ADMINISTRATIVE & GENERAL											
DEPRECIATION											
TAXES											
INTEREST ON LONG TERM DEBT											
INTEREST CHARGED TO CONSTR											
OTHER DEBT COST											
TOTAL EXPENSES											
OPERATING MARGINS	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
OTHER REVENUE											
NET MARGIN	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
TIMES INTEREST EARNED RATIO	1.25	1.27	1.22	1.41	1.50	1.50	1.50	1.50	1.50	1.50	1.50

EAST KENTUCKY POWER COOPERATIVE

PSC - SMITH INVESTIGATION STUDY - CASE NO. 2010-00238

CASE 7 - CANCEL SMITH - EQUIPMENT SOLD - LONG-TERM PPA - TIER 1.50

STATEMENT OF OPERATIONS
($000)

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
OPERATING REVENUE											
MEMBER COOPERATIVES											
BASE RATES	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
FUEL ADJUSTMENT											
ENVIRONMENTAL SURCHARGE											
BASE RATE CHANGE											
TOTAL FROM MEMBERS											
OFF SYSTEM SALES											
TOTAL OPERATING REVENUE											
EXPENSES											
PRODUCTION	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
FUEL											
O AND M											
OTHER POWER SUPPLY											
TRANSMISSION O AND M											
ADMINISTRATIVE & GENERAL											
DEPRECIATION											
TAXES											
INTEREST ON LONG TERM DEBT											
INTEREST CHARGED TO CONSTR											
OTHER DEBT COST											
TOTAL EXPENSES											
OPERATING MARGINS	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
OTHER REVENUE											
NET MARGIN	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
TIMES INTEREST EARNED RATIO	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50

REDACTED

PSC - SMITH 1 INVESTIGATION - CASE NO. 2010-00238

ANNUAL REVENUE REQUIREMENTS AND PERCENTAGE OF EXISTING REVENUE REQUIREMENTS - CASE 1 - BASE - SMITH 2014

($ 000) & PERCENT

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total From Members ($000)	[redacted]									
Percent of Existing (2010)		[redacted]								

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total From Members ($000)	[redacted]									
Percent of Existing (2010)	[redacted]									

REDACTED

Member Cost Summary

($MWH)

	Year	Case 1 Smith Base	Case 2 Smith Delay (2)	Case 3 Smith Delay (4)	Case 4 Gas CC	Case 5 Renew-able/EE	Case 6 PPA - short w/LT const	Case 7 PPA - LT
Actual	2008	[redacted]						
Actual	2009							
Budget	2010							
Budget	2011							
	2012							
	2013							
	2014							
	2015							
	2016							
	2017							
	2018							
	2019							
	2020							
	2021							
	2022							
	2023							
	2024							
	2025							
	2026							
	2027							
	2028							
	2029							

PSC - SMITH 1 INVESTIGATIO. .TUDY - CASE NO. 2010-00238

CASE 1 - BASE - SMITH 2014 - TIER 1.50
RATE DETAIL

Schedule E-1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										

Schedule E-2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										

Schedule B & C (2)	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW) - B & C	[redacted]									
Total Energy Rate - Schedule B ($.00/kWh)										
Total Energy Rate - Schedule C ($.00/kWh)										

Excess Schedule B	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									

Inland Electric (2)	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										

Inland Steam	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										

Gallatin	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Firm Demand Rate ($/kW)	[redacted]									
Total Interrupt 1 Demand Rate ($/kW)										
Total Interrupt 2 Demand Rate ($/kW)										
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										

AGC	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										

TGP (1)	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Average Energy Rate ($.00/kWh)										

(1) 2010 and 2011 On-Peak Energy Rate is Based on Forward Price (Cinergy Hub)
2010 and 2011 Off-Peak Energy Rate is Based on EKPC System Avrg Incremental Cost Plus O & M Plus 3 Mill Adder
2012 through 2029 On-Peak and Off-Peak Energy Rates are Based on EKPC System Avrg Incremental Cost Plus O & M Plus 3 Mill Adder

(2) Schedules B, C & Inland Electric - Rate Increase Calculated Proportionally on Total Revenue But Applied to Demand Rate Only

Note: All Rate Increases, Except Those Listed in (1) & (2), are Calculated Proportionally on Demand and Energy

PSC - SMITH 1 INVESTIGATION STUDY - CASE NO. 2010-00238

CASE 1 - BASE - SMITH 2014 - TIER 1.50
RATE DETAIL

Schedule E-1	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										

Schedule E-2	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										

Schedule B & C (2)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW) - B & C	[redacted]									
Total Energy Rate - Schedule B ($.00/kWh)										
Total Energy Rate - Schedule C ($.00/kWh)										

Excess Schedule B	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									

Inland Electric (2)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										

Inland Steam	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										

Gallatin	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Firm Demand Rate ($/kW)	[redacted]									
Total Interrupt 1 Demand Rate ($/kW)										
Total Interrupt 2 Demand Rate ($/kW)										
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										

AGC	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										

TGP (1)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									
Average Energy Rate ($.00/kWh)										

PSC - SMITH 1 INVESTIGATION STUDY - CASE NO. 2010-00238

CASE 2 - TWO-YEAR DELAY - SMITH 2016 - TIER 1.50
RATE DETAIL

Schedule E-1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										

Schedule E-2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										

Schedule B & C (2)	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW) - B & C	[redacted]									
Total Energy Rate - Schedule B ($.00/kWh)										
Total Energy Rate - Schedule C ($.00/kWh)										

Excess Schedule B	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									

Inland Electric (2)	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										

Inland Steam	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										

Gallatin	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Firm Demand Rate ($/kW)	[redacted]									
Total Interrupt 1 Demand Rate ($/kW)										
Total Interrupt 2 Demand Rate ($/kW)										
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										

AGC	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										

TGP (1)	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Average Energy Rate ($.00/kWh)										

(1) 2010 and 2011 On-Peak Energy Rate is Based on Forward Price (Cinergy Hub)
2010 and 2011 Off-Peak Energy Rate is Based on EKPC System Avrg Incremental Cost Plus O & M Plus 3 Mill Adder
2012 through 2029 On-Peak and Off-Peak Energy Rates are Based on EKPC System Avrg Incremental Cost Plus O & M Plus 3 Mill Adder
(2) Schedules B, C & Inland Electric - Rate Increase Calculated Proportionally on Total Revenue But Applied to Demand Rate Only
Note: All Rate Increases, Except Those Listed in (1) & (2), are Calculated Proportionally on Demand and Energy

PSC - SMITH 1 INVESTIGATIO. .TUDY - CASE NO. 2010-00238

CASE 2 - TWO-YEAR DELAY - SMITH 2016 - TIER 1.50
RATE DETAIL

Schedule E-1	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										

Schedule E-2	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										

Schedule B & C (2)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW) - B & C	[redacted]									
Total Energy Rate - Schedule B ($.00/kWh)										
Total Energy Rate - Schedule C ($.00/kWh)										

Excess Schedule B	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									

Inland Electric (2)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										

Inland Steam	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										

Gallatin	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Firm Demand Rate ($/kW)	[redacted]									
Total Interrupt 1 Demand Rate ($/kW)										
Total Interrupt 2 Demand Rate ($/kW)										
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										

AGC	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										

TGP (1)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									
Average Energy Rate ($.00/kWh)										

PSC - SMITH 1 INVESTIGATION STUDY - CASE NO. 2010-00238

CASE 3 - FOUR-YEAR DELAY - SMITH 2018 (OPTIMAL) - TIER 1.50
RATE DETAIL

Schedule E-1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										

Schedule E-2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										

Schedule B & C (2)	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW) - B & C	[redacted]									
Total Energy Rate - Schedule B ($.00/kWh)										
Total Energy Rate - Schedule C ($.00/kWh)										

Excess Schedule B	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									

Inland Electric (2)	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										

Inland Steam	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										

Gallatin	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Firm Demand Rate ($/kW)	[redacted]									
Total Interrupt 1 Demand Rate ($/kW)										
Total Interrupt 2 Demand Rate ($/kW)										
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										

AGC	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										

TGP (1)	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Average Energy Rate ($.00/kWh)										

(1) 2010 and 2011 On-Peak Energy Rate is Based on Forward Price (Cinergy Hub)
2010 and 2011 Off-Peak Energy Rate is Based on EKPC System Avrg Incremental Cost Plus O & M Plus 3 Mill Adder
2012 through 2029 On-Peak and Off-Peak Energy Rates are Based on EKPC System Avrg Incremental Cost Plus O & M Plus 3 Mill Adder
(2) Schedules B, C & Inland Electric - Rate Increase Calculated Proportionally on Total Revenue But Applied to Demand Rate Only
Note: All Rate Increases, Except Those Listed in (1) & (2), are Calculated Proportionally on Demand and Energy

PSC - SMITH 1 INVESTIGATIO. .TUDY - CASE NO. 2010-00238

CASE 3 - FOUR-YEAR DELAY - SMITH 2018 (OPTIMAL) - TIER 1.50
RATE DETAIL

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Schedule E-1										
Total Demand Rate ($/kW)	[redacted]									
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										
Schedule E-2										
Total Demand Rate ($/kW)	[redacted]									
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										
Schedule B & C (2)										
Total Demand Rate ($/kW) - B & C	[redacted]									
Total Energy Rate - Schedule B ($.00/kWh)										
Total Energy Rate - Schedule C ($.00/kWh)										
Excess Schedule B										
Total Demand Rate ($/kW)	[redacted]									
Inland Electric (2)										
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										
Inland Steam										
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										
Gallatin										
Total Firm Demand Rate ($/kW)	[redacted]									
Total Interrupt 1 Demand Rate ($/kW)										
Total interrupt 2 Demand Rate ($/kW)										
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										
AGC										
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										
TGP (1)										
Total Demand Rate ($/kW)	[redacted]									
Average Energy Rate ($.00/kWh)										

PSC - SMITH 1 INVESTIGATIO. .TUDY - CASE NO. 2010-00238

CASE 4 - CANCEL SMITH - GAS (COMBINED CYCLE) - TIER 1.50
RATE DETAIL

Schedule E-1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										

Schedule E-2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										

Schedule B & C (2)	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW) - B & C	[redacted]									
Total Energy Rate - Schedule B ($.00/kWh)										
Total Energy Rate - Schedule C ($.00/kWh)										

Excess Schedule B	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									

Inland Electric (2)	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										

Inland Steam	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										

Gallatin	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Firm Demand Rate ($/kW)	[redacted]									
Total Interrupt 1 Demand Rate ($/kW)										
Total Interrupt 2 Demand Rate ($/kW)										
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										

AGC	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										

TGP (1)	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Average Energy Rate ($.00/kWh)										

(1) 2010 and 2011 On-Peak Energy Rate is Based on Forward Price (Cinergy Hub)
2010 and 2011 Off-Peak Energy Rate is Based on EKPC System Avrg Incremental Cost Plus O & M Plus 3 Mill Adder
2012 through 2029 On-Peak and Off-Peak Energy Rates are Based on EKPC System Avrg Incremental Cost Plus O & M Plus 3 Mill Adder
(2) Schedules B, C & Inland Electric - Rate Increase Calculated Proportionally on Total Revenue But Applied to Demand Rate Only
Note: All Rate Increases, Except Those Listed in (1) & (2), are Calculated Proportionally on Demand and Energy

REDACTED

PSC - SMITH 1 INVESTIGATION STUDY - CASE NO. 2010-00238

CASE 4 - CANCEL SMITH - GAS (COMBINED CYCLE) - TIER 1.50
RATE DETAIL

Schedule E-1	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										

Schedule E-2	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										

Schedule B & C (2)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW) - B & C	[redacted]									
Total Energy Rate - Schedule B ($.00/kWh)										
Total Energy Rate - Schedule C ($.00/kWh)										

Excess Schedule B	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									

Inland Electric (2)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										

Inland Steam	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										

Gallatin	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Firm Demand Rate ($/kW)	[redacted]									
Total Interrupt 1 Demand Rate ($/kW)										
Total Interrupt 2 Demand Rate ($/kW)										
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										

AGC	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										

TGP (1)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									
Average Energy Rate ($.00/kWh)										

PSC - SMITH 1 INVESTIGATIO.. .TUDY - CASE NO. 2010-00238

CASE 5 - CANCEL SMITH - GREEN SOURCES - TIER 1.50
RATE DETAIL

Schedule E-1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										

Schedule E-2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										

Schedule B & C (2)	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW) - B & C	[redacted]									
Total Energy Rate - Schedule B ($.00/kWh)										
Total Energy Rate - Schedule C ($.00/kWh)										

Excess Schedule B	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									

Inland Electric (2)	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										

Inland Steam	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										

Gallatin	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Firm Demand Rate ($/kW)	[redacted]									
Total Interrupt 1 Demand Rate ($/kW)										
Total Interrupt 2 Demand Rate ($/kW)										
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										

AGC	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										

TGP (1)	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Average Energy Rate ($.00/kWh)										

(1) 2010 and 2011 On-Peak Energy Rate is Based on Forward Price (Cinergy Hub)
2010 and 2011 Off-Peak Energy Rate is Based on EKPC System Avrg Incremental Cost Plus O & M Plus 3 Mill Adder
2012 through 2029 On-Peak and Off-Peak Energy Rates are Based on EKPC System Avrg Incremental Cost Plus O & M Plus 3 Mill Adder
(2) Schedules B, C & Inland Electric - Rate Increase Calculated Proportionally on Total Revenue But Applied to Demand Rate Only
Note: All Rate Increases, Except Those Listed in (1) & (2), are Calculated Proportionally on Demand and Energy

PSC - SMITH 1 INVESTIGATION STUDY - CASE NO. 2010-00238

CASE 5 - CANCEL SMITH - GREEN SOURCES - TIER 1.50
RATE DETAIL

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Schedule E-1										
Total Demand Rate ($/kW)	[redacted]									
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										
Schedule E-2	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										
Schedule B & C (2)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW) - B & C	[redacted]									
Total Energy Rate - Schedule B ($.00/kWh)										
Total Energy Rate - Schedule C ($.00/kWh)										
Excess Schedule B	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									
Inland Electric (2)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										
Inland Steam	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										
Gallatin	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Firm Demand Rate ($/kW)	[redacted]									
Total Interrupt 1 Demand Rate ($/kW)										
Total Interrupt 2 Demand Rate ($/kW)										
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										
AGC	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										
TGP (1)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									
Average Energy Rate ($.00/kWh)										

PSC - SMITH 1 INVESTIGATIO. .TUDY - CASE NO. 2010-00238

CASE 6 - CANCEL SMITH - SHORT-TERM PPA/LONG-TERM CONSTR W/CCGT - TIER 1.50
RATE DETAIL

Schedule E-1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										

Schedule E-2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										

Schedule B & C (2)	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW) - B & C	[redacted]									
Total Energy Rate - Schedule B ($.00/kWh)										
Total Energy Rate - Schedule C ($.00/kWh)										

Excess Schedule B	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									

Inland Electric (2)	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										

Inland Steam	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										

Gallatin	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Firm Demand Rate ($/kW)	[redacted]									
Total Interrupt 1 Demand Rate ($/kW)										
Total Interrupt 2 Demand Rate ($/kW)										
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										

AGC	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										

TGP (1)	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Average Energy Rate ($.00/kWh)										

(1) 2010 and 2011 On-Peak Energy Rate is Based on Forward Price (Cinergy Hub)
2010 and 2011 Off-Peak Energy Rate is Based on EKPC System Avrg Incremental Cost Plus O & M Plus 3 Mill Adder
2012 through 2029 On-Peak and Off-Peak Energy Rates are Based on EKPC System Avrg Incremental Cost Plus O & M Plus 3 Mill Adder
(2) Schedules B, C & Inland Electric - Rate Increase Calculated Proportionally on Total Revenue But Applied to Demand Rate Only
Note: All Rate Increases, Except Those Listed in (1) & (2), are Calculated Proportionally on Demand and Energy

REDACTED

PSC - SMITH 1 INVESTIGATION STUDY - CASE NO. 2010-00238

CASE 6 - CANCEL SMITH - SHORT-TERM PPA/LONG-TERM CONSTR W/CCGT - TIER 1.50
RATE DETAIL

Schedule E-1	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										

Schedule E-2	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										

Schedule B & C (2)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW) - B & C	[redacted]									
Total Energy Rate - Schedule B ($.00/kWh)										
Total Energy Rate - Schedule C ($.00/kWh)										

Excess Schedule B	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									

Inland Electric (2)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										

Inland Steam	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										

Gallatin	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Firm Demand Rate ($/kW)	[redacted]									
Total Interrupt 1 Demand Rate ($/kW)										
Total Interrupt 2 Demand Rate ($/kW)										
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										

AGC	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										

TGP (1)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									
Average Energy Rate ($.00/kWh)										

PSC - SMITH 1 INVESTIGATIO. .TUDY - CASE NO. 2010-00238

CASE 7 - CANCEL SMITH/EQUIPMENT SOLD - LONG-TERM PPA - TIER 1.50
RATE DETAIL

Schedule E-1	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										

Schedule E-2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										

Schedule B & C (2)	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW) - B & C	[redacted]									
Total Energy Rate - Schedule B ($.00/kWh)										
Total Energy Rate - Schedule C ($.00/kWh)										

Excess Schedule B	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									

Inland Electric (2)	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										

Inland Steam	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										

Gallatin	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Firm Demand Rate ($/kW)	[redacted]									
Total Interrupt 1 Demand Rate ($/kW)										
Total Interrupt 2 Demand Rate ($/kW)										
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										

AGC	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										

TGP (1)	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Demand Rate ($/kW)	[redacted]									
Average Energy Rate ($.00/kWh)										

(1) 2010 and 2011 On-Peak Energy Rate is Based on Forward Price (Cinergy Hub)
2010 and 2011 Off-Peak Energy Rate is Based on EKPC System Avrg Incremental Cost Plus O & M Plus 3 Mill Adder
2012 through 2029 On-Peak and Off-Peak Energy Rates are Based on EKPC System Avrg Incremental Cost Plus O & M Plus 3 Mill Adder
(2) Schedules B, C & Inland Electric - Rate Increase Calculated Proportionally on Total Revenue But Applied to Demand Rate Only
Note: All Rate Increases, Except Those Listed in (1) & (2), are Calculated Proportionally on Demand and Energy

PSC - SMITH 1 INVESTIGATION STUDY - CASE NO. 2010-00238

CASE 7 - CANCEL SMITH/EQUIPMENT SOLD - LONG-TERM PPA - TIER 1.50
RATE DETAIL

Schedule E-1	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										

Schedule E-2	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										

Schedule B & C (2)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW) - B & C	[redacted]									
Total Energy Rate - Schedule B ($.00/kWh)										
Total Energy Rate - Schedule C ($.00/kWh)										

Excess Schedule B	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									

Inland Electric (2)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										

Inland Steam	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										

Gallatin	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Firm Demand Rate ($/kW)	[redacted]									
Total Interrupt 1 Demand Rate ($/kW)										
Total Interrupt 2 Demand Rate ($/kW)										
Total On-Peak Energy Rate ($.00/kWh)										
Total Off-Peak Energy Rate ($.00/kWh)										

AGC	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									
Total Energy Rate ($.00/kWh)										

TGP (1)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Demand Rate ($/kW)	[redacted]									
Average Energy Rate ($.00/kWh)										

REDACTED

FINANCIAL ASSUMPTIONS for PSC Smith Investigation Study - Redacted

Budget Data Used for 2010 - 2011

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Fixed O & M Rate																		
Dale	[redacted]																	
Cooper 1	[redacted]																	
Cooper 2 FGD	[redacted]																	
Spur 1 FGD	[redacted]																	
Spur 2 FGD	[redacted]																	
Spur CFB	[redacted]																	
Smith CFB	[redacted]																	
Combined Cycle	[redacted]																	
CT's ABB	[redacted]																	
CT's EA	[redacted]																	
CT's LMS 100	[redacted]																	
Landfill Gas	[redacted]																	
Variable O & M Rate																		
Dale	[redacted]																	
Cooper 1	[redacted]																	
Cooper 2 FGD	[redacted]																	
Spur 1 FGD	[redacted]																	
Spur 2 FGD	[redacted]																	
Spur CFB	[redacted]																	
Smith CFB	[redacted]																	
Combined Cycle	[redacted]																	
Landfill Gas	[redacted]																	
Transmission O & M Rate (A)	[redacted]																	
Distribution O & M Rate (A)	[redacted]																	
Interest Rates																		
Short-term Debt	[redacted]																	
Long-term Debt	[redacted]																	
Short-term Investment Rate	[redacted]																	
Smith Financing	[redacted]																	
Escalation Rates																		
O & M Production	[redacted]																	
Capital Costs	[redacted]																	
General Escalation Rate	[redacted]																	
Benefits Escalator	[redacted]																	
Capital Cost for New Units ($/kW)																		
Combined Cycle	[redacted]																	
Combustion Turbines - GE 7 EA's	[redacted]																	
Circulating Fluidized Bed	[redacted]																	

FAC Base Rate = 36.53 Mills/kWh

(A) Does not include benefits, property taxes and property insurance