OCC	EXHIBIT	

BEFORE THE PUBLIC UTILITIES COMMISSION OF OHIO

In the Matter of the Application of The Dayton Power and Light Company for Approval of its Market Rate Offer.)	Case No. 12-426-EL-SSO
In the Matter of the Application of The Dayton Power and Light Company for Approval of Revised Tariffs.)	Case No. 12-427-EL-ATA
In the Matter of the Application of The Dayton Power and Light Company for Approval of Certain Accounting Authority.)))	Case No. 12-428-EL-AAM
In the Matter of the Application of The Dayton Power and Light Company for Waiver of Certain Commission Rules.)	Case No. 12-429-EL-WVR
In the Matter of the Application of The Dayton Power and Light Company to Establish Tariff Riders.)	Case No. 12-672-EL-RDR

OF JAMES F. WILSON

On Behalf of The Office of the Ohio Consumers' Counsel

10 West Broad Street, Suite 1800 Columbus, Ohio43215-3485 (614) 466-8574

March 5, 2013

1 I. INTRODUCTION AND SUMMARY

district court.

21

2		
3	<i>Q1</i> .	PLEASE STATE YOUR NAME, POSITION AND BUSINESS ADDRESS.
4	<i>A1</i> .	My name is James F. Wilson. I am an economist and principal of Wilson Energy
5		Economics. My business address is 4800 Hampden Lane Suite 200, Bethesda,
6		MD 20814.
7		
8	Q2.	PLEASE DESCRIBE YOUR EXPERIENCE AND QUALIFICATIONS.
9	A2.	I have over twenty-five years of consulting experience to the electric power and
10		natural gas industries. Many of my past assignments have focused on the
11		economic and policy issues arising from the introduction of competition into these
12		industries, including restructuring policies, market design, and market power.
13		Other engagements have included contract litigation and damages; pipeline rate
14		cases; forecasting and market assessment; evaluating allegations of market
15		manipulation; probabilistic modeling of utility planning problems; and a wide
16		range of other issues arising in these industries. I also spent five years in Russia
17		in the early 1990s advising on the reform, restructuring, and development of the
18		Russian electricity and natural gas industries for the World Bank and other
19		clients. I have submitted affidavits and presented testimony in proceedings of the
20		Federal Energy Regulatory Commission, state regulatory agencies, and a U.S.

1		I have been involved in electricity restructuring and wholesale market design for
2		over twenty years in PJM, New England, Ontario, California, Russia, and other
3		regions. With regard to the PJM system, I have been involved in a broad range of
4		market design, planning and capacity market issues over the past several years. I
5		hold a B.A. in Mathematics from Oberlin College and an M.S. in Engineering-
6		Economic Systems from Stanford University. My curriculum vitae, summarizing
7		my experience and listing past testimony, is Attachment JFW-1 attached hereto.
8		
9	<i>Q3</i> .	HAVE YOU PREVIOUSLY TESTIFIED BEFORE THE PUBLIC UTILITIES
10		COMMISSION OF OHIO?
11	A3.	Yes. I testified in Case No. 12-1230-EL-SSO regarding the application of The
12		Ohio Edison Company, The Cleveland Electric Illuminating Company, and The
13		Toledo Edison Company (collectively, "FirstEnergy") for an Electric Security
14		Plan ("ESP") in June 2012. I also testified in Case No. 09-906-EL-SSO,
15		involving FirstEnergy's 2009 application for approval of a Market Rate Offer
16		("MRO").
17		
18	<i>Q4</i> .	WHAT IS THE PURPOSE OF YOUR TESTIMONY IN THIS
19		PROCEEDING?
20	A4.	I was retained by the Office of the Ohio Consumers' Counsel ("OCC") to review
21		and comment on the rate blending plan contained within The Dayton Power and
22		Light Company ("DP&L" or "Utility") Second Revised Application
23		("Application") for an ESP filed December 12, 2012 in this proceeding.

1 Q5. PLEASE SUMMARIZE YOUR CONCLUSIONS REGARDING DP&L'S

PROPOSED RATE BLENDING PLAN.

2

3 *A5*. DP&L's proposed rate blending plan takes too long to transition to full competition. A more rapid transition would enhance market efficiency, consistent 4 with the State's policy that includes ensuring the diversity of electricity supplies 5 and suppliers by giving consumers choices over who will supply their electricity. 6 A more rapid transition is also more consistent with a view of the Public Utilities 7 Commission of Ohio ("PUCO" or "Commission") that customers should be able 8 to benefit from market-based prices while they are low.² Setting DP&L's 9 Standard Service Offer ("SSO") rates through a competitive auction would, 10 11 judging from current and forecasted market prices, give customers a significant benefit relative to the current base generation rates. Finally, a more rapid 12 transition to market will enhance the competitive marketplace, providing 13 14 opportunities for competitors to fulfill the electricity needs of their customers, a 15 policy of the state under R.C. 4928.02. Therefore, OCC's proposal, under which 16 DP&L would acquire 100% of the power necessary to serve DP&L's SSO load 17 through a competitive bidding process ("CBP") beginning with the effective date 18 for rates under the ESP, is preferable to DP&L's proposal for rate blending over 19 multiple years.

¹ See R.C. 4928.02(C).

² See In the Matter of the Application of Columbus Southern Power Company and Ohio Power Company for Authority to Establish a Standard Service Offer Pursuant to 4928.143 Ohio Rev. Code in the Form of an Electric Security Plan, Case No. 11-346-EL-SSO, Entry on Rehearing at ¶37 (January 30, 2013).

II.	EVALUATION OF DP&L'S PROPOSED RATE BLENDING PLAN
<i>Q6</i> .	PLEASE SUMMARIZE DP&L'S PROPOSED RATE BLENDING PLAN.
<i>A6</i> .	DP&L's proposed rate blending plan is summarized in the Application at p. 7.
	According to the proposal, only 10% of the applicable load would be met through
	a competitive bidding process ("CBP"), and priced at a resulting Competitive Bid
	("CB") rate, through May of 2014. This fraction would rise to 40% for June 2014
	through May 2015, to 70% for June 2015 through May 2016, and to 100%,
	representing full competition, only in June 2016.
<i>Q7</i> .	WHAT IS THE STATUS OF THE OTHER OHIO UTILITIES'
	TRANSITIONS TO COMPETITION?
<i>A7</i> .	Some other Ohio utilities are moving rapidly to full competition. Duke Energy
	Ohio held an auction on December 14, 2011 to satisfy 100% of its SSO load
	beginning January 1, 2012. ³ FirstEnergy held auctions on October 20, 2010 and
	January 25, 2011, to satisfy 100% of SSO load beginning June 1, 2011. ⁴
<i>Q8</i> .	WHAT IS THE STATUS OF DP&L'S TRANSITION TO COMPETITION?
<i>A8</i> .	The transition to competition began with the passage of Senate Bill 3 in 1999. ⁵
	More recently, DP&L was provided additional time to make the transition to

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³ In the Matter of the Procurement of Standard Service Offer Generation for Customers of Duke Energy Ohio, Inc., Case No. 11-6000-EL-UNC, Evaluation and Recommendation (Jan. 20, 2012).

⁴ In the Matter of the Procurement of Standard Service Offer Generation for Customers of Ohio Edison Company, The Cleveland Electric Illuminating Company, and The Toledo Edison Company, Case No. 10-1284-EL-UNC, Finding and Order (Jan. 27, 2011).

⁵ SB 3 of 1999 (Effective October 5, 1999), Ohio Revised Code §4928.01 et seq. (subsequently amended).

market under the approved stipulation in its last Electric Security Plan (Case No. 1 2 08-1094-EL-SSO). However, under the current ESP Application, the first auction 3 for 100% of SSO load would not start providing SSO customers with fully 4 market-based rates for generation until June 1, 2016. 5 6 *Q9*. PLEASE SUMMARIZE THE RESULTS OF THE OTHER OHIO UTILITIES' RECENT COMPETITIVE BID PROCESSES. 7 8 A9. Duke Energy Ohio has now completed three of the scheduled five auctions 9 designed to provide market based generation rates to customers continuing to purchase electricity from the SSO.⁶ The first auction, held on December 14, 10 11 2011, resulted in auction prices of \$49.72, \$51.10, and \$57.08 per MWh for supply from January 2012 through May of 2013, 2014, and 2015 respectively. 12 Duke's first auction produced a 17.5% rate reduction off the total bill for 2012 13 from December 2011 rates for residential customers consuming 1,000 kWh per 14 month.⁸ The subsequent two auctions held in 2012 resulted in auction prices of 15 \$52.14 and \$50.56 per MWh for the period June 2013 through May 2015. 16 FirstEnergy's auction held on May 13, 2009 for the term June 1, 2009 through 17 May 31, 2011, produced a clearing price of \$61.50 per MWh for each of the three 18 19 operating companies. The Commission found that, at that auction price, Ohio

⁶ In the Matter of the Procurement of Standard Service Offer Generation for Customers of Duke Energy Ohio, Inc., Case No. 11-6000-EL-UNC, Evaluation and Recommendation (Jan. 20, 2012).

⁷ Id. Updated Auction Manager Report, (Jan. 5, 2012).

⁸ Ohio Public Utilities Commission – News Release (Dec. 15, 2011).

⁹ In the Matter of the Procurement of Standard Service Offer Generation for Customers of Duke Energy Ohio, Inc. Case No. 11-6000-EL-UNC, Updated Auction Manager Report, (Jun. 13, 2012 and Dec. 6, 2012).

1		Edison's customers would experience a 16% decrease, Toledo Edison's customers
2		a 12.6% decrease, and Cleveland Electric Illuminating's customers a 7.4%
3		decrease. 10 FirstEnergy has completed several additional auctions to supply SSO
4		load, of which most cleared in the \$52 to \$58 per MWH range, and a recent
5		auction for supply through May of 2016 cleared at \$60.89 per MWH. ¹¹
6		
7	Q10.	WHAT AUCTION PRICES HAS DP&L FORECASTED FOR THE
8		ELECTRIC SECURITY PLAN PERIOD?
9	A10.	DP&L witness Teresa F. Marrinan developed "proxy market-based auction
10		prices" for the CBPs, used in the Application for projecting financial and rate
11		impacts. The projected auction prices, which were developed based on forward
12		prices, are shown in Exhibit TFM-2. I reviewed Ms. Marrinan's methodology
13		and concluded that her results fall within a reasonable range. DP&L witness
14		Emily Rabb adjusted these projected auction results for losses and a revenue
15		conversion factor to determine CB rates. This calculation is shown in Ms. Rabb's
16		Exhibit 5B. The resulting CB rates are \$44.86 per MWh for the period January
17		2013 – May 2014, \$58.01 per MWh for June 2014 – May 2015, \$61.70 per MWh
18		for June 2015 – May 2016, \$64.07 per MWh for June 2016 – May 2017, and
19		\$65.75 per MWh for June 2017 – May 2018.

 $^{^{\}rm 10}$ Ohio Public Utilities Commission – News Release (May 14, 2009).

¹¹ In the Matter of the Procurement of Standard Service Offer Generation for Customers of Ohio Edison Company, The Cleveland Electric Illuminating Company, and The Toledo Edison Company, Case No. 10-1284-EL-UNC. Auction Manager Reports (Nov. 15, 2010, Feb. 17, 2011, Nov. 16, 2011, Feb. 16, 2012, Nov. 14, 2012, Feb. 13, 2013).

1	<i>Q11</i> .	HOW DO THESE FORECASTED COMPETITIVE BID PRICES COMPARE
2		TO DP&L'S BASE GENERATION CHARGES THAT, UNDER THE
3		APPLICATION, WOULD APPLY TO THE SAME TIME PERIODS?
4	A11.	These forecasted CBP auction rates, and the corresponding DP&L Base
5		Generation Rates with which DP&L proposes to blend them, are shown in Exhibit
6		RJM-1 to the testimony of DP&L witness R. Jeffrey Malinak. On this Exhibit the
7		Utility identifies its Base Generation Rate as \$76.62 per MWH for 2013 through
8		May of 2018.
9		If rates are based 100% on auction results, then DP&L's auction forecast suggests
10		that customers will see substantial savings. The forecasted CBP auction rate is
11		39% below the proposed Blended SSO Rate for 2013 through May 2014, 16%
12		lower for June 2014 through May 2015, and 7% lower for June 2015 through May
13		2016.
14		
15	Q12.	HAVE YOU IDENTIFIED ANY REASON WHY DP&L'S COMPETITIVE
16		BID PROCESSES MIGHT HAVE SUBSTANTIALLY DIFFERENT
17		RESULTS FROM OTHER OHIO UTILITIES' RECENT COMPETITIVE
18		BID AUCTIONS OR FROM DP&L'S AUCTION PRICE FORECAST?
19	A12.	No. DP&L's service territory is part of the large and generally unconstrained
20		western region of PJM. While there have been recent concerns about possible
21		transmission constraints into FirstEnergy's service territories resulting from
22		retirements announced in 2012, which may have had some impact on
23		FirstEnergy's latest CBP results, I am not aware of such concerns about the

1		DP&L region. I am not aware of any reason why DP&L's CBPs would have
2		results substantially different from those of the other Ohio utilities or substantially
3		different from DP&L's projections.
4		
5	Q13.	WHAT DOES THIS INFORMATION SHOW ABOUT A COMPETITIVE BID
6		PROCESS FOR DP&L'S STANDARD SERVICE OFFER?
7	A13.	The results of the recent CBP processes indicate that DP&L's SSO load could be
8		satisfied at substantial savings for standard offer customers through a CBP
9		process. Both Duke and FirstEnergy have already moved to a CBP process for
10		100% of their SSO load. In both cases, residential customers experienced a
11		decrease from their then-existing SSO rates. In contrast, DP&L is proposing a
12		three-year blending process where 100% CBP rates will not be achieved for
13		customers until June 1, 2016. Under DP&L's proposal, rates for some residential
14		customers would actually increase 2.61% in the first year of the ESP. 12 The
15		proposed delay in moving to a 100% auction price for all of DP&L's SSO
16		customers will result in substantial lost savings to customers.
17		
18	Q14.	ARE THERE OTHER POTENTIAL BENEFITS TO A MORE RAPID
19		TRANSITION TO COMPETITION BY DP&L?
20	A14.	Yes.

¹² In the Matter of the Application of The Dayton Power and Light Company for Approval of Its Electric Security Plan, Case No. 12-426-EL-SSO, Second Revised Application (Rate Blending Plan at 1) (December 12, 2012).

1	<i>Q15</i> .	WHAT ARE THE OTHER POTENTIAL BENEFITS TO A MORE RAPID
2		TRANSITION TO COMPETITION BY DP&L?
3	A15.	A more rapid transition to competition by DP&L would result in more Ohio
4		generation competing in retail markets to serve loads not only in DP&L's service
5		territory, but also in the service territories of the other Ohio utilities. This
6		additional competition could contribute some additional downward pressure on
7		prices in the other utilities' CBPs, enhancing competitiveness and market
8		efficiency and benefiting consumers.
9		
10	Q16.	PLEASE SUMMARIZE YOUR CONCLUSION REGARDING DP&L'S
11		PROPOSED TRANSITION TO COMPETITION, AS REFLECTED IN ITS
12		PROPOSED RATE BLENDING PLAN.
13	A16.	DP&L's proposed rate blending plan takes too long to provide customers the
14		benefits of full competition. A more rapid transition to market, as proposed by
15		OCC, would enhance market efficiency and lower the price of DP&L's electric
16		service for Ohio consumers.
17		
18	Q17.	DOES THIS COMPLETE YOUR TESTIMONY?
19	A17.	Yes it does. However, I understand that I may be asked to supplement my
20		testimony in the event that DP&L, the PUCO Staff or any Signatory Party submits
21		additional testimony, or additional relevant information otherwise becomes
22		available.

CERTIFICATE OF SERVICE

I hereby certify that a true copy of the foregoing *Direct Testimony of James F*. *Wilson* was served via electronic transmission to the persons listed below on this 5th day of March, 2013.

/s/ Melissa R. Yost

Melissa R. Yost Deputy Consumers' Counsel

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SUMMARY

James F. Wilson has over 25 years of consulting experience, primarily in the electric power and natural gas industries. Many of his assignments have pertained to the economic and policy issues arising from the interplay of competition and regulation in these industries, including restructuring policies, market design, market analysis and market power. Other recent engagements have involved resource adequacy and capacity markets, contract litigation and damages, forecasting and market evaluation, pipeline rate cases and evaluating allegations of market manipulation. Mr. Wilson has been involved in electricity restructuring and wholesale market design for over twenty years in California, PJM, New England, Ontario, Russia and other regions. He also spent five years in Russia advising on the reform, restructuring and development of the Russian electricity and natural gas industries.

Mr. Wilson has submitted affidavits and testified in Federal Energy Regulatory Commission and state regulatory proceedings. His papers have appeared in the *Energy Journal*, *Electricity Journal*, *Public Utilities Fortnightly* and other publications, and he often presents at industry conferences.

Prior to founding Wilson Energy Economics, Mr. Wilson was a Principal at LECG, LLC. He has also worked for ICF Resources, Decision Focus Inc., and as an independent consultant.

EDUCATION

MS, Engineering-Economic Systems, Stanford University, 1982 BA, Mathematics, Oberlin College, 1977

RECENT ENGAGEMENTS

- Executive briefing on wind integration and linkages to short-term and longer-term resource adequacy approaches.
- Affidavit on the impact of a centralized capacity market on the potential benefits of participation in a Regional Transmission Organization (RTO).
- Participated in a panel teleseminar on resource adequacy policy and modeling.
- Affidavit on opt-out rules for centralized capacity markets.
- Affidavits on minimum offer price rules for RTO centralized capacity markets.
- Evaluated electric utility avoided cost in a tax dispute.
- Advised on pricing approaches for RTO backstop short-term capacity procurement.
- Affidavit evaluating the potential impact on reliability of demand response products limited in the number or duration of calls.
- Evaluated changing patterns of natural gas production and pipeline flows, developed approaches for pipeline tolls and cost recovery.

- Evaluated an electricity peak load forecasting methodology and forecast; evaluated regional transmission needs for resource adequacy.
- Participated on a panel teleseminar on natural gas price forecasting.
- Affidavit evaluating a shortage pricing mechanism and recommending changes.
- Testimony in support of proposed changes to a forward capacity market mechanism.
- Reviewed and critiqued an analysis of the economic impacts of restrictions on oil and gas development.
- Advised on the development of metrics for evaluating the performance of Regional Transmission Organizations and their markets.
- Prepared affidavit on the efficiency benefits of excess capacity sales in readjustment auctions for installed capacity.
- Prepared affidavit on the potential impacts of long lead time and multiple uncertainties on clearing prices in an auction for standard offer electric generation service.

EARLIER PROFESSIONAL EXPERIENCE

LECG, LCC, Washington, DC 1998–2009. Principal

- Reviewed and commented on an analysis of the target installed capacity reserve margin for the Mid Atlantic region; recommended improvements to the analysis and assumptions.
- Evaluated an electric generating capacity mechanism and the price levels to support adequate capacity; recommended changes to improve efficiency.
- Analyzed and critiqued the methodology and assumptions used in preparation of a long run electricity peak load forecast.
- Evaluated results of an electric generating capacity incentive mechanism and critiqued the
 mechanism's design; prepared a detailed report. Evaluated the impacts of the mechanism's flaws
 on prices and costs and prepared testimony in support of a formal complaint.
- Analyzed impacts and potential damages of natural gas migration from a storage field.
- Evaluated allegations of manipulation of natural gas prices and assessed the potential impacts of natural gas trading strategies.
- Prepared affidavit evaluating a pipeline's application for market-based rates for interruptible transportation and the potential for market power.
- Prepared testimony on natural gas industry contracting practices and damages in a contract dispute.
- Prepared affidavits on design issues for an electric generating capacity mechanism for an eastern US regional transmission organization; participated in extensive settlement discussions.
- Prepared testimony on the appropriateness of zonal rates for a natural gas pipeline.
- Evaluated market power issues raised by a possible gas-electric merger.
- Prepared testimony on whether rates for a pipeline extension should be rolled-in or incremental under FERC policy.
- Prepared an expert report on damages in a natural gas contract dispute.
- Prepared testimony regarding the incentive impacts of a ratemaking method for natural gas pipelines.
- Prepared testimony evaluating natural gas procurement incentive mechanisms.
- Analyzed the need for and value of additional natural gas storage in the southwestern US.
- Evaluated market issues in the restructured Russian electric power market, including the need to introduce financial transmission rights, and policies for evaluating mergers.
- Affidavit on market conditions in western US natural gas markets and the potential for a new merchant gas storage facility to exercise market power.
- Testimony on the advantages of a system of firm, tradable natural gas transmission and storage rights, and the performance of a market structure based on such policies.

- Testimony on the potential benefits of new independent natural gas storage and policies for providing transmission access to storage users.
- Testimony on the causes of California natural gas price increases during 2000-2001 and the possible exercise of market power to raise natural gas prices at the California border.
- Advised a major US utility with regard to the Federal Energy Regulatory Commission (FERC) proposed Standard Market Design and its potential impacts on the company.
- Reviewed and critiqued draft legislation and detailed market rules for reforming the Russian electricity industry, for a major investor in the sector.
- Analyzed the causes of high prices in California wholesale electric markets during 2000 and developed recommendations, including alternatives for price mitigation. Testimony on price mitigation measures.
- Summarized and critiqued wholesale and retail restructuring and competition policies for electric power and natural gas in select US states, for a Pacific Rim government contemplating energy reforms.
- Presented testimony regarding divestiture of hydroelectric generation assets, potential market power issues, and mitigation approaches to the California Public Utilities Commission.
- Reviewed the reasonableness of an electric utility's wholesale power purchases and sales in a restructured power market during a period of high prices.
- Presented an expert report on failure to perform and liquidated damages in a natural gas contract dispute.
- Presented a workshop on Market Monitoring to a group of electric utilities in the process of forming an RTO.
- Authored a report on the screening approaches used by market monitors for assessing exercise
 of market power, material impacts of conduct, and workable competition.
- Developed recommendations for mitigating locational market power, as part of a package of congestion management reforms.
- Provided analysis in support of a transmission owner involved in a contract dispute with generators providing services related to local grid reliability.
- Authored a report on the role of regional transmission organizations in market monitoring.
- Prepared market power analyses in support of electric generators' applications to FERC for market-based rates for energy and ancillary services.
- Analyzed western electricity markets and the potential market power of a large producer under various asset acquisition or divestiture strategies.
- Testified before a state commission regarding the potential benefits of retail electric competition and issues that must be addressed to implement it.
- Advised a Canadian electric utility on restructuring issues, including: market design and trading arrangements; contractual approaches to mitigating market power; measures for ensuring adequate generating capacity.
- Prepared a market power analysis in support of an acquisition of generating capacity in the New England market.
- Advised a California utility regarding reform strategies for the California natural gas industry, addressing a broad range of market power issues and policy options for providing system balancing services.

ICF RESOURCES, INC., Fairfax, VA, 1997–1998. Project Manager

- Reviewed, critiqued and submitted testimony on a New Jersey electric utility's restructuring proposal, as part of a management audit for the state regulatory commission.
- Assisted a group of US utilities in developing a proposal to form a regional Independent System Operator (ISO).

- Researched and reported on the emergence of Independent System Operators and their role in reliability, for the Department of Energy.
- Provided analytical support to the Secretary of Energy's Task Force on Electric System Reliability on various topics, including ISOs. Wrote white papers on the potential role of markets in ensuring reliability and on liability issues.
- Recommended near-term strategies for addressing the potential stranded costs of non-utility
 generator contracts for an eastern utility; analyzed and evaluated the potential benefits of various
 contract modifications, including buyout and buydown options; designed a reverse auction
 approach to stimulating competition in the renegotiation process.
- Designed an auction process for divestiture of a Northeastern electric utility's generation assets and entitlements (power purchase agreements).
- Participated in several projects involving analysis of regional power markets and valuation of existing or proposed generation assets.

IRIS MARKET ENVIRONMENT PROJECT, 1994-1996.

Project Director, Moscow, Russia

Established and led a policy analysis group advising the Russian Federal Energy Commission and Ministry of Economy on economic policies for the electric power, natural gas, oil pipeline, telecommunications, and rail transport industries (*the Program on Natural Monopolies*, a project of the IRIS Center of the University of Maryland Department of Economics, funded by USAID). Major activities and projects included:

- Advised on industry reforms and the establishment of federal regulatory institutions.
- Advised the Russian Federal Energy Commission on electricity restructuring, development of a competitive wholesale market for electric power, tariff improvements, and other issues of electric power and natural gas industry reform.
- Developed policy conditions for the IMF's \$10 billion Extended Funding Facility.
- Performed industry diagnostic analyses with detailed policy recommendations for electric power (1994), natural gas, rail transport and telecommunications (1995), oil transport (1996).

Independent Consultant stationed in Moscow, Russia, 1991–1996

Projects for the WORLD BANK, 1992-1996:

- Bank Strategy for the Russian Electricity Sector. Developed a policy paper outlining current industry problems and necessary policies, and recommending World Bank strategy.
- Russian Electric Power Industry Restructuring. Participated in work to develop recommendations to the Russian Government on electric power industry restructuring.
- Russian Electric Power Sector Update. Led project to review developments in sector restructuring, regulation, demand, supply, tariffs, and investment.
- Russian Coal Industry Restructuring. Analyzed Russian and export coal markets and developed forecasts of future demand for Russian coal.
- World Bank/IEA Electricity Options Study for the G-7. Analyzed mid- and long-term electric power demand and efficiency prospects and developed forecasts.
- Russian Energy Pricing and Taxation. Developed recommendations for liberalizing energy markets, eliminating subsidies and restructuring tariffs for all energy resources.

Other consulting assignments in Russia, 1991–1994:

- Project leader for start-up phase of the joint Russian-American Electric Power Alternatives Study on power sector development and investment; also participated in a project on electric power restructuring.
- Advised the US Agency For International Development on the establishment of energy industry technical assistance programs in Russia.

- Advised on projects pertaining to Russian energy policy and the transition to a market economy in the energy industries, for the Institute For Energy Research of the Russian Academy of Sciences.
- Presented seminars on the structure, economics, planning, and regulation of the energy and electric power industries in the US, for various Russian clients.

DECISION FOCUS INC., Mountain View, CA, 1983–1992 Senior Associate. 1985-1992.

- For the Electric Power Research Institute, led projects to develop decision-analytic methodologies and models for evaluating long term fuel and electric power contracting and procurement strategies. Applied the methodologies and models in numerous case studies, and presented several workshops and training sessions on the approaches.
- Analyzed long-term and short-term natural gas supply decisions for a large California gas distribution company following gas industry unbundling and restructuring.
- Analyzed long term coal and rail alternatives for a midwest electric utility, including alternative coal supply regions, suppliers and contract structures; spot/contract mix; rail arrangements; power purchases; conversion to gas.
- Led project to evaluate bulk power purchase alternatives and strategies for a New Jersey electric utility. Developed model for analyzing power purchases.
- Performed a financial and economic analysis of a proposed hydroelectric project.
- For a natural gas pipeline company serving the Northeastern US, forecasted long-term natural gas supply and transportation volumes. Developed a forecasting system for staff use.
- Analyzed potential benefits of diversification of gas suppliers for a mid-continent gas pipeline company.
- Led project to evaluate and make recommendations on uranium contracting strategies, including long-term contract purchases, spot purchases, and stockpiling actions, for an electric utility.
- Analyzed telecommunications services markets under deregulation, developed and implemented
 a pricing strategy model. Evaluated potential responses of residential and business customers to
 changes in the client's and competitors' telecommunications services and prices.
- Analyzed coal contract terms and supplier diversification strategies for an eastern electric utility.
- Analyzed long-term natural gas supply strategies and spot purchasing strategies for a California natural gas distribution company.
- Analyzed oil and natural gas contracting strategies for a California electric utility. Evaluated standby supply options for low-sulfur fuel oil.

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PROFESSIONAL ASSOCIATIONS

United States Association for Energy Economics Natural Gas Roundtable Energy Bar Association

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Summary: Testimony Direct Testimony of James F. Wilson on Behalf of the Office of the Ohio Consumers' Counsel electronically filed by Patti Mallarnee on behalf of Yost, Melissa Ms.