

QUALIFICATIONS OF MARK T. WIDMER,
PRINCIPAL, NORTHWEST ENERGY CONSULTING, LLC

FORMAL EDUCATIONAL

I received my Bachelor of Science degree in Business Administration from Oregon State University, 1980

PROFESSIONAL EXPERIENCE

After graduating from Oregon State University, I began my 27 year career at PacifiCorp, a regulated electric utility. From 1980 through 1986 I held several positions in the revenue requirement area. Those positions included Accountant, Rate of Return Accountant, Senior Rate of Return Accountant, Assistant Rate of Return Analyst and Rate of Return Analyst. In those roles I performed the following duties:

- Developed rate of return analysis and revenue requirement adjustments using accounting and statistical data analysis models, exhibits and general support for results of operation witness.
- Developed forecasting approaches and assisted with preparation of special studies for long range forecasting, discovery requests and regulatory audits.
- Prepared discovery responses, and assisted with testimony development.
- Coordinated detailed analysis requirements of regulatory agencies with other departments.
- Prepared monthly analysis of revenues, expenses, utility plant in-service and quarterly report for public service commissions.
- Audited vouchers, expense accounts and working fund drafts; reconciled accounts.

In 1986 I was promoted to Senior Economic Regulation Analyst, a position I held to 1993. In that position I performed the following duties:

- Coordinated and reviewed the preparation of results of operations reports, revenue requirements, testimony and exhibits.
- Prepared and directed preparation of rate case responses to discovery requests, regulatory reports and special studies.
- Internal and external company representative on revenue requirement issues.
- Prepared financial planning studies that measured financial impact of resource acquisitions.

In 1993 I accepted a position in the Net Power Cost Department as a System Planner, a position I held to 1995. In that role I performed the following duties:

- Prepared net power cost studies that simulated the company's system for general rate cases, resource acquisitions and regulatory reporting.
- Prepared avoided cost studies and rates for commission filings and prospective qualifying facility projects.
- Prepared net power cost discovery responses and testimony for rate cases, deferred accounting, prudence of resource acquisitions and other regular proceedings.

In 1995 I was promoted to the position of Principal System Planner, I held until 2000. In that role I performed the following duties:

- Planned and supervised preparation of net power cost studies that simulated the company's system, calculated avoided cost prices and special studies of wholesale transactions.
- Prepared and coordinated preparation of discovery responses, testimony and issue papers.
- Negotiated or assisted with the negotiation of net power cost settlements in state general rate cases and power cost adjustment mechanism proceedings.
- Internal and external company representative on net power cost and avoided cost issues and regulatory proceedings.
- Five and 10 year budget and planning process coordination for Global Sales and Marketing organization.
- Prepared and presented expert witness testimony in state regulatory proceedings.
- Participated in the negotiation and/or renegotiation of qualifying facility avoided cost prices.
- Assisted in rate case and avoided cost strategy development for regulatory proceedings.
- Prepared economic analysis of proposed wholesale power sales and purchase power transactions.

In 2000 I was promoted to Regulatory Manager and in 2004 I was promoted to Director of Net Power Costs, a position I held until I left PacifiCorp in January 2008. In those positions I managed a staff of up to four analysts. In both roles I had essentially the same breadth of responsibility and performed the following functions:

- Directed and planned recovery of up to \$1.0 billion of net power costs through general rate cases and power cost adjustments mechanism filings in the company's Oregon, Utah, Wyoming, Washington, Idaho and California jurisdictions.
- Directed development, settlement among parties and regulatory approval of a new avoided

- cost methodology for large qualifying facility projects for the Wyoming jurisdiction.
- Directed regulatory reporting of net power costs.
 - Directed, prepared and presented expert witness testimony on avoided costs and net power costs in state regulatory proceedings.

- Directed preparation of net power cost studies that simulated system operations, exhibits, discovery responses, other filing support for rate cases and economic analysis of wholesale transactions including sales, purchase power and generation plant acquisitions.
- Developed Power Cost Adjustment Mechanism for the Wyoming jurisdiction, participated in negotiated settlement among parties and obtained commission approval.
- Developed and obtained commission approval of Energy Cost Adjustment Clause in California.
- Managed development of new avoided cost methodology for large qualifying facility projects in Utah.
- Managed development and enhancement of new production dispatch model and obtained approval from regulators.

In January 2008 I formed Northwest Energy Consulting, LLC to provide regulatory consulting services to a broad range of energy users, energy producers, agencies and qualifying facility developers/projects.

The testimony that I present is based upon information obtained in discovery or other publicly available information sources. All of the analyses that I perform are consistent with my education training and experience in the electric utility industry.

Testimony and Expert Witness Appearances of Mark Widmer

Year	Case	Jurisdiction	Party	Utility	Subject
1997	97-035-01	UT		PacifiCorp	Net Power Costs, Production Dispatch Modeling
1999	99-035-01	UT		PacifiCorp	Net Power Costs, Production Dispatch modeling
1999	UE-991832	WA		PacifiCorp	Net Power Costs, Production Dispatch Modeling
1999	20000-ER-145-99	WY		PacifiCorp	Net Power Costs, Production Dispatch Modeling
2000	UE-111	OR		PacifiCorp	Net Power Costs, Production Dispatch Modeling
2000	20000-ER-162-00	WY		PacifiCorp	Net Power Costs, Production Dispatch Modeling

2001	UE-116	OR		PacifiCorp	Net Power Costs, Production Dispatch Modeling
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Testimony and Expert Witness Appearances of Mark Widmer

<u>Year</u>	<u>Case</u>	<u>Jurisdiction</u>	<u>Party</u>	<u>Utility</u>	<u>Subject</u>
2001	01-035-01	UT		PacifiCorp	Net Power Costs, Excess Net Power Costs
2001	01-03-026	CA		PacifiCorp	Net Power Costs, Production Dispatch Modeling,
2001	20000-EP 01-167	WY		PacifiCorp	Power Cost Adjustment, Excess Power Costs
2001	UM-995	OR		PacifiCorp	Excess net power costs Cost of Hunter 1 Outage
2002	00-035-23	UT		PacifiCorp	Excess Net Power Costs Cost of Hunter 1 Outage
2002	20000-ER 02-184	WY		PacifiCorp	Net Power Costs, Deferred Net Power Costs, Cost of Hunter 1 Outage
2002	UE-134	OR		PacifiCorp	Net Power Costs, Production Dispatch Modeling
2002	UE-02417	WA		PacifiCorp	Excess Net Power Costs
2002	PAC-E-02-01	ID		PacifiCorp	Net Power Costs, Production Dispatch Modeling
2003	20000-ER 03-198	WY		PacifiCorp	Net Power Costs, Production Dispatch Modeling
2003	20000-ET 03-205	WY		PacifiCorp	Power Cost Adjustment
2003	UE-032065	WA		PacifiCorp	Net Power Costs, Production Dispatch Modeling
2003	UE 147	OR		PacifiCorp	Net Power Costs, Production

2003 01-03-026 CA

Dispatch Modeling
PacifiCorp Net Power Costs, Production
Dispatch Modeling

Testimony and Expert Witness Appearances of Mark Widmer

Year	Case	Jurisdiction	Party	Utility	Subject
2003	03-2035-02	UT		PacifiCorp	Net Power Costs, Production Dispatch Modeling
2004	04-035-42	UT		PacifiCorp	Net Power Costs, Production Dispatch Modeling
2004	20000-EP 04-211	WY		PacifiCorp	Purchase Power Adjustment
2004	UM-1129	OR		PacifiCorp	Avoided Cost Methodology, Avoided Cost Rates
2004	UM 1081	OR		PacifiCorp	Direct Access
2005	A05-11-022	CA		PacifiCorp	Net Power Costs, Production Dispatch Modeling
2005	UE-170	OR		PacifiCorp	Net Power Costs, Production Dispatch Modeling
2005	UM 1193	OR		PacifiCorp	Hydro Deferral
2005	PAC-E-05-01	ID		PacifiCorp	Net Power Costs, Production Dispatch Modeling
2005	UE-173	OR		PacifiCorp	Power cost Adjustment
2005	UE-05684	WA		PacifiCorp	Net Power Costs, Production Dispatch Modeling, PCA
2005	20000-ER 05-230	WY		PacifiCorp	Net Power Costs, Production Dispatch Modeling
2005	20000-ER 05-226	WY		PacifiCorp	Purchased Power Adjustment
2005	05-035-102	UT		PacifiCorp	Power Cost Adjustment
2006	UE-179	OR		PacifiCorp	Net Power Costs, Production Dispatch Modeling, Power Cost Adjustment

2006	06-035-21	UT		PacifiCorp	Net Power Costs
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<u>Year</u>	<u>Case</u>	<u>Jurisdiction</u>	<u>Party</u>	<u>Utility</u>	<u>Subject</u>
2006	UE-061546	WA		PacifiCorp	Net Power Costs, Production Dispatch Modeling, Power Cost Adjustment
2006	20000-250 EA-06	WY		PacifiCorp	Avoided Cost Methodology
2007	UE-191	OR		PacifiCorp	Net Power Costs, Production Dispatch Modeling
2007	20000-276	WY		PacifiCorp	Avoided cost rates
2007	PAC-E-07-05	ID		PacifiCorp	Net Power Costs, Production Dispatch Modeling
2007	20000-ER- 277-07	WY		PacifiCorp	Net Power Costs, Production Dispatch Modeling
2007		CA		PacifiCorp	Net Power Costs, Energy Cost Adjustment Clause
2007	07-035-93	UT		PacifiCorp	Net Power Costs, Production Dispatch Modeling
2008	20000-315- EP-08	WY	WIEC	PacifiCorp	Power Cost Adjustment Mechanism
2009	20000-341 EP-09	WY	WIEC	PacifiCorp	Net Power Costs, Power Cost Adjustment Mechanism
2009	20000-342-	WY	WIEC/WPPC	PacifiCorp	Avoided Cost Methodology