

THOMAS A. LOVAS

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OVERVIEW: *Mr. Lovas has served the energy industry for nearly three decades, providing expertise in a wide range of activities in electricity and natural gas. His experience includes: electricity production by hydro, coal and natural gas; power transmission and distribution; power and fuel contracts; regulatory processes; energy research; and, administrative services.*

EMPLOYMENT HISTORY

Energy & Resource Economics, Anchorage, AK Present

Consulting services for the energy and resource industries, providing business planning, rate studies, financial and economic analysis for administrative and operating purposes.

The Four Dam Pool Power Agency, Anchorage, AK Nov. 2002 – June 2004

Chief Executive Officer: Administrative officer of newly-formed public power agency for the ownership of four Alaskan hydroelectric facilities providing 74 MW of non-interconnected priority power to two electric cooperatives and three municipal utilities. Established agency headquarters, developed all financial reporting and analysis systems, prepared the fixed asset allocation and depreciation methodology for acquired plant (booked at \$68 million) and coordinated facility operations while accomplishing all federal and state regulatory requirements. In addition:

- Successfully transferred to the Agency the ownership and construction management of a major (\$90M) transmission interconnection project
- Developed new indenture of trust and official statement for public debt offering
- Demonstrated financial strength and stability to support expanded credit facilities

Chugach Electric Association, Inc., Anchorage, AK Dec. 1985 – Nov. 2002

Manager, System Development and Corporate Planning: Prepared strategies for General Manager and Board of Directors to achieve dependable, low-cost electricity with financial integrity. Business planning for \$180 million in revenue from sales of 2.27 billion kWh to 73,000 retail meters, three distribution cooperatives and two municipalities.

- Strategies for fuel and power purchase and sale, negotiation and administration
- Capital improvement criteria and evaluation, financial analysis and forecasting
- Generation and transmission resource alternatives, FERC licensing
- Natural gas, coal and alternative fuels contracts and analysis
- Advanced technology evaluations for efficiency and reliability
- Inter-utility coordination, transmission and reliability arrangements
- Board advisories, association, legislative and regulatory agency testimony
- **Vice-Chair:** Solid-Oxide Fuel Cell Commercialization Association

Thomas A. Lovas

- **Chair:** Reliability Criteria Committee, Alaska Systems Coordinating Council
- **Chair:** Policy, Planning and Communications Task Force, Cooperative Research Network (CRN) of NRECA & Member, Cooperative Research Committee

Director, Energy Supply: Executive responsibility for all operations and maintenance of natural gas and hydroelectric generation facilities (512 MW) and jointly owned hydroelectric facilities (47 MW). Administered \$57 million budget for facilities, personnel, fuel (natural gas) supply and purchased power. Labor contract negotiation, workforce reliability management, power station upgrades and maintenance service to others, initiated non-traditional energy programs (fuel cells, microturbines, battery storage, wind).

- **EPRI Research and Development Award** for 1 MW fuel cell commercialization
- **Chair:** Power Supply Task Force, CRN/NRECA

Manager, Planning and Rates: Prepared and supervised wholesale and retail rate applications and regulatory proceedings while developing planning/forecasting models.

- **Member and Chair:** Alaska Intertie Operating Committee
- **Budget Subcommittee Chair:** Hydroelectric Project Management Committee
- **Member:** Integrated Resource Planning Subcommittee, G&T Managers Assoc.

The Montana Power Company, Butte, MT May 1980 – Dec. 1985
Supervisor, Planning Economics: Advised senior management and provided regulatory liaison for resource and power rate matters, regional power planning, power contracts and rates, planning objectives, reliability and cost-effectiveness criteria.

Pacific Gas and Electric Company, San Francisco, CA Sept. 1978 – May 1980
Analyst for Vice-President, Rates and Valuation, Electricity and Natural Gas Services

Washington State University, Pullman, WA Feb. 1970 – Sept. 1978
Operations Manager, Reactor Supervisor and Technician
Nuclear Regulatory Commission License #SOP 2044

EDUCATION

Master of Arts, Economics (Public Utility) – June 1977
Bachelor of Arts, Economics (with Distinction) – June 1973
Washington State University, Pullman, Washington

NRECA Management Internship Program – May 1992
University of Nebraska – Lincoln/National Rural Electric Cooperative Association

AFFILIATIONS

Resource Development Council for Alaska Junior Achievement of Alaska
Alaska Chapter, Intl. Assoc. for Energy Economics Rotary Club of Anchorage

CONSULTING SERVICES

- *ENERGY SYSTEMS DEVELOPMENT & BUSINESS PLANNING*
 - Sales and Financial Forecasting
 - Feasibility Studies
 - Regulatory Policy, Process and Procedures

- *RESOURCE and SYSTEM PLANNING*
 - Hydro, Coal and Natural Gas Generation
 - Fuel Supply Planning and Contracts
 - Transmission Options and Plans
 - Purchase, Sale and Interconnection Agreements
 - Reliability Analysis
 - Integrated and Least-Cost Plans
 - Hydroelectric Facility Licensing

- *ENERGY TECHNOLOGY*
 - Renewables
 - Repowering/Cogeneration/Small Power
 - Emerging Technologies: Hydrogen/Wind/Storage

- *REVENUE REQUIREMENT and RATE STUDIES*

- *FINANCIAL PLANS and CAPITAL ACQUISITION*

- *ECONOMIC ANALYSIS METHODS and PRACTICE*

Representative Clients:

- *National Rural Electric Cooperative Assoc., Cooperative Research Network: Generation and Transmission Research Programs; Strategic Alliances*
- *City & Borough of Juneau: Harbor Power Supply Options*
- *Kake Tribal Corporation: Revenue Requirements and Regulatory Process*
- *Kotzebue Electric Assoc.: Rate and Financial Planning*
- *Naknek Electric Assoc.: Resource, Rate and Financial Planning*
- *CCI Inc.: Military Facility Electric System Acquisition*
- *EPS, Inc.: Interconnected System Wheeling and Ancillary Services Costs*
- *SAIC, Inc.: Load Forecast and Generation Alternatives Analysis, City of Nome*
- *North Slope Borough: Utility Master Plan/Emergency Plan/Electric Rates*
- *Kaua`i Island Utility Co-op.: Long Range Engineering and Construction Plans; Financial Forecasts, IRP and Clean Energy Scenario Planning*
- *Alaska Electric Light & Power/Dryden & LaRue: Financing Certification*
- *Alaska Energy Authority: Renewable Energy Grants - Project Evaluations*
- *MWH Global: Alaskan Hydroelectric Facilities Development*
- *Naknek Electric Assoc.: Regional Geothermal Economics and Financial Forecast*
- *Unalakleet Valley Electric Cooperative: Divestiture from MEA, New Tariff*
- *ARCTEC: Organizational Structures, Contracting Frameworks*