

DAVID C. SHAPLEY JR., P.E.

Address: 25370 Mallard Drive, Seaford, Delaware 19973

Phone: 302.629.8103 Mobile: 302.381.9236 Email: daveshapley67@gmail.com

QUALIFICATIONS PROFILE

Goal-driven, methodical, and performance-focused professional with extensive experience in managing electric utility operations; encompassing engineering, systems improvements, fleet, and electric distribution and transmission. Concept-to-execution driver with expertise in analyzing business and technical requirements, as well as in driving high-quality, under-budget, and timely completion of small- and large-scale projects. Expert at overseeing operations; identifying issues and formulating innovative solutions; and developing strategic system plans to achieve productivity, cost savings, and organizational objectives. Equipped with strong interpersonal, negotiation, and communication skills in building positive relationships and working collaboratively with professionals of all levels.

AREAS OF EXPERTISE

Construction Work Plans Development | System Operations | Budget Administration | Interconnection Agreements and Rates Preparation | Vendor and Client Services | Process and Business Metrics Review | Regulatory and Standard Compliance | Technical Equipment and Systems Installation | Personnel Supervision

PROFESSIONAL EXPERIENCE

Delaware Electric Cooperative (DEC) • Greenwood, DE

Vice President of Innovation and Strategic Initiatives/Manager of Renewable Resources Sept 2021–Present

- Monitor wholesale power costs and recovery through retail rate adjustments of the Cooperatives demand and energy costs through a Power Cost Adjustment (PCA) mechanism. Communications with Old Dominion Electric Cooperative of power costs and make recommendations to DEC Board and CEO for rate action and adherence to legislative and regulatory requirements for rate adjustments and lead required public hearings.
- Team Leader in the development and implementation of plans, processes, and procedures to allow for retail choice by the cooperative's membership.
- Periodically engage Cost of Service consultants to review rates to evaluate performance and develop rate strategies (changes to customer charges, energy, and demand rates) to reflect the costs to serve the rate classes.
- Work closely with state agencies and elected officials including the Delaware Public Service Commission, Division of the Public Advocates Office, Delaware Division of Energy & Climate, Delaware Energy Office, Sussex County Council, as well as state regulatory and elected officials regarding issues that impact the cooperatives business model.
- Develop, implement and manage corporate compliance policies and programs to State and Federal regulatory and legal matters including development of corporate policies addressing Sarbanes-Oxley, PURPA, RICE Rules, Energy Efficiency Resource Standards, and Renewable Portfolio Standards to protect and promote the interests of the Cooperative and make recommendations and provide reports to the Board of Directors.
- Managed the Cooperatives compliance initiatives to meet state required energy and demand savings of 15% energy and capacity by 2015 (the only utility in the state to meet this strict standard).
- Manage the Cooperatives initiatives to meet the Renewable Portfolio Standard compliance of 40% renewables by 2035 which includes a 10% solar carve out
- Lead the development and construction of the \$14,000,000 4 MW Bruce Henry Solar Farm to meet the state mandate for solar renewable energy
- Negotiated the execution of a PPA (Power Purchase Agreement) with a landfill gas to energy developer in Delaware to provide 2 MW of energy and capacity; a very favorable PPA with Constellation for the expansion of the Bruce Henry Solar Farm Phase II; a below market PPA with Tangent for the offtake of 1.5 MW of solar energy and capacity; a PPA with for a 10 MW potential poultry waste to energy facility. All at below current wholesale power costs and consistent with the ODEC Wholesale Purchase Power Agreement

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Vice President of Engineering

Jun 2018–Sept 2021

- Directly supervise the performance of 11 exempt and 21 union employees, while managing aspects of operations
- Provide strategic oversight to the development of annual work plans valued at over \$10M per year; construction work plans amounting to over \$20M; and 10-year long-range work plans worth more than \$100M
- Maintain active collaboration with the following personnel:
 - Operations and engineering staff and operations manager in generating board and operational policy as well as operating procedures for the department in compliance with approved policies;
 - President, chief executive officer (CEO), and board of directors in executing special project management and creating annual budget requirements and overall goals for the Engineering and Operations Department;
 - Internal and external consultants to ensure validation of completed work order construction and proper execution of corrections;
 - Cooperative personnel and members, developers, electrical contractors, consultants, and agencies to identify effectiveness of procedures, practices, and policies related to distribution automation through consultation;
 - Technical Services Group on technical equipment and systems, integration, and communications infrastructure;
 - Sales persons and factory representatives to discuss their products' application to the cooperative's system; and
 - Appropriate purchasing organizations to remain up-to-date with technology and material improvements throughout the electrical industry
- Offer key insights and assistance on systems development planning regarding distribution automation, smart grid initiatives, advanced metering infrastructure (AMI), and cooperative's technology strategic plan, as well as programs, personnel facilities, equipment, and supplies for the System Planning and Control Department
- Efficiently handle various responsibilities, such as the following:
 - Administration and implementation member-owned generation approval, and joint use agreements involving permits for attachments and abandonments, field inventories, and annual billings;
 - Thorough assessment of actual unit standard cost of construction and requirements to determine efficiencies and trends, as well as monthly financial operating reports on actual expense and budgeted amounts for the department, while support on setting up controls for matching operating expenses with budget amount;
 - Evaluation of voltage charts, load data, and other engineering reports to keep updated with systems operations, and periodic reports on section performance, project progress, and special programs to be submitted to the technology department;
 - Purchasing, installation, maintenance, programming, and operation of all technical equipment and systems; maintenance and documentation of all automation device apparatus; and management and operation of supervisory control and data acquisition system (SCADA) and load management system (LMS) to control load and restore service;
 - Oversight of metering and facilities locating operations and other functions of the Meter Services Team, which involve research and development of class load profile, deployment and data collection of interval metering requirements, and identification of underground DEC facilities on the supply and delivery of energy throughout service territory;
 - Execution of competitive bidding procedures and processes; monitoring vendor compliance to specifications and delivery schedules; and management of inventory and control issues associated with purchasing and stores
- Preside over the meetings with assigned personnel and contractors to determine problems, address needs, and formulate practical methods for improvements, as well as association and agency meetings to provide recommendations for the cooperative and maintain working relationships
- Stay abreast with relevant trends and developments in utilities and industries on deregulation, RUS standards, National Electric Safety Codes, Occupational Safety and Health Administration (OSHA) regulations, American National Standards Institute (ANSI) standards, DEC tariffs and policies, and sound engineering design concepts

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Vice President of Engineering and Operations

Jul 2013–Jun 2018

- Spearheaded daily operations and maintenance of electrical system to ensure continuous service to all customers within Kent and Sussex counties, while leading operations of line crew and service crew resources, Construction and Dispatch teams, and 15 exempt employees, 7 managers, and 72 union staff
- Rendered hands-on management on the following initiatives:
 - Development of plans and programs for the maintenance of protective devices on systems, as well as interconnection rates and agreements and capital budget for projects within the organization;
 - Assessment of line outage conditions by documenting reports and implementing corrective actions for submission to the general manager;
 - Integration of energy data for reliability and customer service enhancements; planning of technical systems design concepts and general layout; and monitoring performance against process and business metrics;
 - Implementation of automatic meter reading (AMR) system technologies in alignment with business requirements for metering and billing;
 - Generation and administration of routes and usage history to guide meter readers; installation of meter reading sections for more efficient meter reading routes; and issuance and maintenance of spare construction vehicles;
 - Resolutions of power quality problems such as electromagnetic field (EMF), harmonic conditions, stray voltage, and voltage and consumer complaints;
 - Execution of fleet maintenance such as performance records, service and repairs scheduling, contract bidding and administration for mechanic services, and competitive bidding procedures implementation for fleet; and
- Functioned effectively as advisor and troubleshooter for accounts in coordination with Member Services and Operations teams
- Collaborated with vendors to secure strong partnership to achieve best costs and services
- Provided support in monitoring, operating, and controlling SCADA and AMI systems for transmission and distribution restoration and scheduled switching, as well as in selecting meters, meter equipment, voltage recorders, and test equipment
- Remained up-to-date with current computer equipment application involving preparation of record and analytical applications regarding property and meter reading

Manager of Operations

Sep 2012–Jul 2013

- Supervised the performance of 3 exempt and 41 union employees, construction and tree trimming contractors, line crew and service crew resources, and Construction and Dispatch teams
- Organized all after-hour operations entailing restoration of service and other service-related issues
- Acted as key liaison between the company and contractors while closely working with utilities, electricians, and public safety officials
- Developed new job positions and descriptions, while facilitating staff recruitment, hiring, and interview
- Rendered effective support on the development, maintenance, and administration of safety, line apprenticeship, and skill improvement programs

Manager of Engineering

Jan 2005–Sep 2012

- Led the development of action plans to guarantee attainment of goals in monitoring the financial results of construction, operation, and maintenance, as well as managed performance of one exempt and nine union employees
- Handled the preparation of interconnection rates and agreements; creation and administration of capital budget for projects; and oversight of performance against process and business metrics
- Served as after-hour dispatcher supervisor and chair of the T&D Committee, while actively communicating with regulatory officials and offering engineering, construction, and service support for projects

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Earlier Positions Held:

Field Engineering Supervisor
System Control Engineer

EARLIER CAREER

Potomac Electric Power Company • Washington, DC

Project Engineer – T&D Engineering
Standards Engineer – T&D Engineering

EDUCATION AND CREDENTIALS

NRECA Robert I. Kabat Management Internship Program (MIP) – University of Wisconsin-Madison School of Business

Bachelor Science in Electrical Engineering – Widener University, Chester PA

Certified Professional Engineer: State of Delaware

PROFESSIONAL AFFILIATIONS

Member – Institute of Electrical and Electronics Engineers (IEEE)

Committee Member – American National Standards Institute (ANSI) C136 Street Light Committee

Chairman – Southeastern Electric Exchange (SEE) Guidelines Sub-committee

COMMUNITY INVOLVEMENT

Executive Committee Member (2011–2012) – Sussex Preparatory Academy

President (2010–2012) and Board Member (2006–2012) – Sussex Academy of Arts and Sciences

Board Member (2006–2010) and Vice President – Bridgeville Chase Homeowners Association

Committee Member (2007–2009) – Governor’s Task Force for Charter Schools

President (2004–2006) and Board Member (2003–2006) – Seaford Swimming Association