

RESOLUTION OF THE
RESOURCES AND DEVELOPMENT COMMITTEE
23rd Navajo Nation Council --- Third Year, 2017

AN ACTION

RELATING TO RESOURCES AND DEVELOPMENT AND BUDGET AND
FINANCE COMMITTEES; CONFIRMING THE APPOINTMENT OF MR.
CHRISTOPHER TALKER TO THE NAVAJO TRANSITIONAL ENERGY
COMPANY BOARD OF DIRECTORS

SECTION ONE. AUTHORITY

A. The Resources and Development Committee of the Navajo Nation Council exercises oversight authority over water, land, environment, economic and community development, commerce and trade, minerals, public utilities for the following purpose: to oversee regulation of activities on Navajo Nation lands for disposition or acquisition of resources, surface disturbance, or alteration of the natural state of the resource, including the enforcement and administration of applicable Navajo Nation and federal laws, regulations, guidelines, and administrative procedures in the development and use of resources as a good steward. See 2 N.N.C. § 500 (C) (2).

B. The Navajo Nation Council established the Budget and Finance Committee of the Navajo Nation as a standing committee and the Budget and Finance Committee exercises oversight authority over finance, investment, loans for the following purpose: to coordinate, oversee (and) regulate the fiscal, financial, investment, contracting and audit policies of the Navajo Nation. 2 N.N.C. §§ 300(A), (C) (1).

SECTION TWO. FINDINGS

A. Navajo Transitional Energy Company is created, in part, to promote the development of the Navajo Nation's resources and new sources of energy, power, transmission and attendant resources to develop the economic, financial, social and cultural well-being of the Navajo People and the Navajo Nation. See CAP-20-13.

B. Navajo Transitional Energy Company's authority for management of the business affairs, operations, and functions of

the company is vested in the Management Committee Members, who shall be and are selected pursuant to the Navajo Transitional Energy Company, LLC's creating & enabling legislation and Operating Agreement. See Articles of Incorporation of The Limited Liability Company, Navajo Transitional Energy Company, LLC, Article Five - Member Management.

C. Navajo Transitional Energy Company's Management Committee Members shall have substantial knowledge, understanding, and competency in the energy industry; with particular knowledge, understanding, and competency in coal and solar resources for power and energy. See Operating Agreement of Navajo Transitional Energy Company, LLC., Article III - Nature of the Business; Powers & Authorities of the Company, Management Committee, and Management Committee Executive, (D)(iv).

D. The President of the Navajo Nation recommends the selection of a qualified individual to the Management Committee of the Navajo Nation Navajo Transitional Energy Company. See Operating Agreement of Navajo Transitional Energy Company, LLC., Article I - Formation, (F)(iv).

E. The Resources and Development Committee and Budget and Finance Committee confirm the President's recommended selection to the Management Committee. See Operating Agreement of Navajo Transitional Energy Company, LLC., Article I - Formation, (F)(iv).

F. The Navajo Nation President recommends the selection of Mr. Christopher Talker to the Management Committee for the Navajo Transitional Energy Company. See **Exhibit A** (Appointment Letter); See also **Exhibit B** (Letter of Interest); See also **Exhibit C** (Resume).

SECTION THREE. CONFIRMING APPOINTMENT

A. The Navajo Nation confirms the selection of Mr. Christopher Talker to the Management Committee for the Navajo Transitional Energy Company.

B. Mr. Christopher Talker's term shall be for three (3) years beginning on May 5, 2015 and ending on May 4, 2018.

CERTIFICATION

I, hereby certify that the following resolution was duly considered by the Resources and Development Committee of the 23rd Navajo Nation Council at a duly called meeting at Black Mesa Chapter House, Black Mesa, Navajo Nation (Arizona), at which a quorum was present and that same was passed by a vote of 4 in favor, 0 opposed, 1 abstained on this 11th day of July, 2017.



Alton Joe Shepherd, Chairperson
Resources and Development Committee
of the 23rd Navajo Nation Council

Motion: Honorable Davis Filfrec
Second: Honorable Benjamin Bennett



THE NAVAJO NATION

RUSSELL BEGAYE
JONATHAN NEZ



May 30, 2017

Christopher Talker
P.O. Box 7
Kayenta, AZ 86033

RE: Official Appointment to the Navajo Transitional Energy Company ("NTEC")

Mr. Talker,

It is my distinct pleasure to appoint you to the Board of Directors for NTEC. You have extensive experience and education in energy related matters and are a professional engineer. **You are hereby appointed to represent the Board for a term of three (3) years beginning on May 5, 2015 to May 4, 2018.** Your appointment to the Board is subject to confirmation by the Resources and Development Committee and the Budget and Finance Committee of the Navajo Nation Council.

Thank you for your desire to serve as a Board member with NTEC. If you have any questions relating to your appointment, please contact Karis N. Begaye, Legal Counsel, Office of the President and Vice President at (928) 871-7812.

Sincerely,

THE NAVAJO NATION

A handwritten signature in cursive script, reading "Russell Begaye".

Russell Begaye, President

A handwritten signature in cursive script, reading "Jonathan M. Nez".

Jonathan M. Nez, Vice President



Christopher Joe Talker
PO Box
Kayenta, AZ, 86033

February 28, 2017

To The Office of the President and Vice President

Ya'at'eeh. My name is Christopher Joe Talker, I am of the Near the Water clan born for Zuni Edgewater clan. My paternal clan is the Salt people and maternal is the Black Streak Wood people clan. I currently reside in Kayenta, Arizona and I am enrolled member of the Great Navajo Nation.

I read about the Board of Director positions with the Navajo Transitional Energy Company (NTEC) and am submitting a letter of interest as per the statement released by Office of the President and Vice President.

I received a Bachelor of Electrical Engineering degree from Northern Arizona University and I am a licensed professional electrical engineer in the State of Arizona. I know that my skills, talents, dedication, and previous experiences in fossil generation and mining will be an asset to the Board of Directors.

I have been working full-time for nearly 9 years as a Senior Electrical Engineer, and 4 years as Department Manager within the Mining and Generation sectors. During my years of engineering and management, I have gained extensive knowledge within the energy industry. I have the ability to represent the board in a professional manner and help promote the board to build its reputation and sustainability in regards to governance and fiduciary responsibility. I have experience with organizations that focused on services that benefit retail customers and for-profits that seeks to minimize cost of production to increase market capitalization for its shareholders.

These are critical times our tribal energy resources are faced with increasing environmental restrictions and economic challenges. I find satisfaction in energetically confronting tough challenges and working collegially to overcome them. In addition to meeting the minimum requirements to hold this seat, I feel I can bring many other valuable attributes and perspective to this position such as; engineering management of surface mining operation, financial competence, process optimization, project management, strategic planning, engineering design, construction, continuous improvement, etc.

I'm confident that I am ready to fulfill the responsibility, and the opportunity to serve as Board of Director to the best of my abilities. Thank you for your time and consideration. I know my resume is technical in nature, but if there is any clarification or questions that I may provide, please do not hesitate to contact me. I look forward to your decision about this exciting opportunity, Ahééhee.'

Sincerely,

Christopher Joe Talker, P.E.

Christopher Joe Talker, P.E.

Kayenta, AZ 86033



Highly motivated, licensed electrical engineer with fifteen years' of engineering principles and practice. Very effective in leading problem solving cross-functional teams, project/task planning and data analysis with strengths in commitment to task, attention to detail and fast learning curve. Resourceful, analytical and detail-driven individual seeking opportunity as a Power Electrical Engineer

TECHNICAL SKILLS AND ABILITIES

Experienced In:

- Steep knowledge of supercritical fossil fuel power plant operations and maintenance.
- Protective relaying applications, distribution protection systems, and generation protection systems.
- PLC and HMI programming and design
- Protection, control and physical designs of 480V, 4160V, 13.8kV, 22kV, and 69kV systems.
- Protection of transformers, buses, motors, and generators.
- Load flow, arc flash, short circuit analysis, and relay coordination using SKM Power Tools and ETAP software.
- Configuration and setting of microprocessor based relays from SEL, GE Multilin, Beckwith, ABB DPU/TPU, and Basler Electric.
- Electrical testing, capacitance testing, and AC dielectric withstand testing
- Preparing & reviewing bid proposals, technical specification, control diagram, control cable termination diagram, switching diagram, cable route diagram, and panel layout
- Large steam turbine-generator and excitation system support, maintenance, controls and protection
- Motor Starting Analysis studies

PROFESSIONAL EXPERIENCE

Senior Electrical Engineer

September 2016 – Current

Salt River Project, Navajo Generating Station, Page, AZ

Power Plant Electrical Engineer for a 2250 MW base load supercritical coal fired power plant.

- Performed relay coordination studies for mission critical generation equipment in efforts to increase safety margins for personnel, minimize risk, and enhance availability.
- Discipline Lead Engineer and Project Manager for PLC-5 to ControlLogix control system migration project.
- Responsible for all design, calculations and specifications issued for facility electrical expansion.
- Responsibilities included project meetings, man-hour estimates, organizing system team group, preparing requisitions for electrical equipment, design supervision and engineering support for the construction group.
- Programmed, troubleshoot, and supported several families of Allen-Bradley PLC's, CompactLogix, ControlLogix, SLC's, and HMI devices.
- Designed new and modified existing protection and controls schemes for plant electrical system from 480V to 13.8kV, providing CAD engineering drawings for relay elementary and wiring, equipment control wiring, A.C supply, D.C supply, and communication diagrams.
- Electrical and controls plant engineering support for GE EX2100e excitation system hardware and software diagnostics.

Fossil Program Manager

September 2013 – September 2016

Arizona Public Service Co, Four Corners Power Plant, Fruitland, NM

Manage multiple interdependent projects that lead towards improvement in fossil generation performance

- Coordinated and optimized Planning department in strategizing resources in successfully planning for two reliability outages by establishing teams, expectations, individual roles, and responsibilities for outage and routine planning.
- Served as interim Planning Manager for oversight and accountability for the strategic direction of continuous improvement plan in achieving weekly Schedule Adherence metric. This role required continual collaboration between Maintenance and Planning departments. Achieved greater than 90% schedule adherence consistently for 7 weeks during term.
- Implemented and oversaw warehouse efficiency program with successful results in cost reduction and improved efficiency.

- Optimize Plant Operations by directing multi-disciplined engineering services including design, construction, and start-up support for both O&M and capital projects.
- Management Lead for Corrective Action Program. Responsible for preparing corrective and preventive actions to ensure employee safety, process, and system quality.

Surface Coal Mine Electrical Maintenance Manager
Peabody Energy, Kayenta Mine, Kayenta, AZ

December 2012 – September 2013

Oversee all surface coal mining electrical equipment and facility repairs. Managed 31 people in electrical maintenance and ensuring MSHA electrical safety compliance standards.

- Motivated, developed, monitored, and oversaw a team of electricians and supervisors.
- Provided technical guidance to department on installation, maintenance, and repair of electrical systems.
- Strategize and managed planning effectiveness through schedule adherence for emergent, routine, corrective, and preventive maintenance work activities that have significant impacts on production equipment availability and reliability.
- Responsible for driving the continuous improvement and reliability of mining electrical equipment by ensuring planned maintenance activities are completed with minimal impact on productivity.
- Generate electrical layout maps to effectively communicate week/day ahead mine plans and schedules for comprehension and implementation.
- Coordinate and plan lay out of substations, overhead, and trunk lines from distribution points to surface mine pit areas.
- Review and approve Consultant Distribution engineer's design of new 69kV distribution lines; regarding pole class, height, location, spacing, and guying requirements.
- Managed responsibilities of developing electrical protection for mine distributed systems and analysis of system short circuit.
- Achieved 36% reduction in MSHA citations and zero lost time accidents within a 9 month timeframe.
- Managed relay setting databases and analysis programs.
- Designed new and modified existing protection and controls schemes for mine substations from 4.16kV to 22kV, providing CAD engineering drawings for relay elementary and wiring, equipment control wiring, A.C supply, D.C supply, and communication diagrams.

Senior Electrical Engineer
Arizona Public Service Co, Four Corners Power Plant, Fruitland, NM

November 2011 – November 2012

Power Plant Electrical Engineer for a 2040 MW base load supercritical coal fired power plant.

- Handled plant and maintenance efforts and managed troubleshooting of electrical infrastructure.
- Coordinating uploading and downloading settings for protective relaying in main electrical systems with protection and control technicians.
- Responsible for system design, studies, power requirements and relay protection coordination.
- Conducted investigation on electrical failures and resolved problems
- Reviewing electrical design calculations and design specification developed by other engineers
- Observe system health indicators and initiate changes to improve plant performance.
- Perform relaying coordination and power system analysis.
- Perform power quality, short circuit, coordination, & arc flash studies for apparatus and rotating equipment.
- Turbine-generator plant engineer providing technical direction and project management for cross compound turbine-generators with regard to disassembly, inspection, testing and repair.
- Provide technical leadership and support of ABB Unitrol 5000 excitation system hardware and software diagnostics.

Senior Electrical Engineer
Salt River Project, Navajo Generating Station, Page, AZ

January 2004 – November 2011

Power Plant Electrical Engineer for a 2250 MW base load supercritical coal fired power plant.

- Handled plant and maintenance efforts and managed troubleshooting of electrical infrastructure
- Discipline Lead Engineer and Project Manager for power plant Capital expansion projects.
- Responsible for all design, calculations and specifications issued for electrical construction.
- Responsibilities included project meetings, man-hour estimates, organizing system team group, preparing requisitions for electrical equipment, design supervision and engineering support for the construction group.
- Responsible for preparation of design criteria, one line diagrams, specification for electrical equipment, scope of work document for installation subcontracts for power plant expansion.
- Responsible for power system design, studies, requirements and relay protection coordination.
- Programmed, troubleshoot, and supported several families of Allen-Bradley PLC's, ControlLogix, SLC's, and HMI devices.
- Generating Single Line Diagrams, wiring diagrams, panel layouts (AutoCAD) with necessary calculations.
- Designed new and modified existing protection and controls schemes for plant electrical system from 480V to 13.8kV, providing CAD engineering drawings for relay elementary and wiring, equipment control wiring, A.C supply, D.C supply, and communication diagrams.
- Turbine generator plant engineer providing technical direction and project management for the entire turbine generator with regard to disassembly, inspection, testing, repair and reassembly.
- Electrical and controls plant engineering support for GE EX2000 excitation system hardware and software diagnostics.

Production Test Engineer

July 2000 – January 2004

Raytheon Missile Systems, Tucson, AZ

- Perform responsibilities of developing and implementing standard product testing procedures for circuit card assemblies and subsystems
- Handle the tasks of assisting test and integration engineers in developing and designing test platforms
- Responsible for executing test plans and troubleshooting electronic\electrical circuits
- Perform responsibilities of testing product component parts and develop solutions in case of product issues
- Provide production engineering support in troubleshooting circuit cards, gyros, optics, infrared, and telemetry systems
- Programmed and designed automated test equipment in accordance with customer's design requirements and specifications.
- Monitored and analyzed monthly test yields.
- In depth knowledge of Thermotron products, IEEE GPIB communication protocols, National Instrument VXI and PXI products

EDUCATION

Arizona State University, Tempe AZ

Power Engineering (Master's Program), 2006 to 2007

Engineering G.P.A.: 3.2

Northern Arizona University, Flagstaff, AZ

Bachelor of Science in Electrical Engineering May of 2000

Engineering G.P.A.: 3.0

Dean's List (1995 – 1997)

TECHINICAL PUBLICATIONS

Co Authored, "Impact of Removing the Rotating Exciter on the Navajo SSR Protective Equipment," December 2005

CERTIFICATIONS

Mine Safety and Health Administration – Surface Certified Supervisor (Date of Issue 05/2013)

Mine Safety and Health Administration – Methane/Oxygen Deficiency (Date of Issue 04/2013)

LICENSES & AFFILIATIONS

Professional Engineer, State of Arizona, Electrical Engineering - Registration No. 53558

American Indian Science & Engineering Society (AISES) – Professional Member

Navajo Tribe Census

Formerly attained DOD Secret and Top Secret clearances

SOFTWARE EXPERIENCE

Programming - Advance C++ Programming, Advance C Programming, Borland Builder C++, and Visual Basic Programming.

Software Packages - Integration of Serendipity Systems Test Executive for Test Platforms, Integration of Serendipity Systems Environmental Test Manager for Test Platforms, National Instruments LabWindows CVI 5.0/6.0, Mentor GraphicsDesign Architect, AUTOCAD, EMTP, ETAP, Power Analytics Paladin Power System Design and Simulation , and SKM Power Tools for Windows

Asset Management and Planning Software – IBM Maximo and SAP (Systems Applications and Products) application platforms

Application Software - Microsoft Word, Microsoft Excel, Microsoft Power Point, Microsoft Access, Microsoft Project, and Microsoft Outlook