MAC Candidate Statement of Qualifications

As a MAC candidate, you are encouraged to give WECC Members a brief statement of qualifications. Your statement will be given to members before the MAC election, which will start on August 3, 2026, and conclude August 28, 2026. Results will be announced at the WECC open board session on September 15, 2026. Please complete and return this form to Brittany Huggins, bhuggins@wecc.org, no later than July 27, 2026, for presentation to WECC Members.

1. My name: Alexander Stewart

2. I am a candidate for the MAC in Member Class 1.

3. My qualifications for this position are as follows: (State your qualifications below or attach a resume to this form. Include relevant employment and positions held, previous service at WECC, and any other items that qualify you to serve on the MAC.)

< See Attached Resume >

< See Attached Statement of Interest >

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WECC MAC Leadership,

I am a registered Professional Engineer in the State of Oregon with more than 17 years of experience in the electric utility industry. My experience spans transmission planning, grid modeling, system operations, commercial transmission planning, long-term planning, reliability assessment, and regional and national reliability policy and standards development. I have served as a transmission planning engineer and senior grid-modeling engineer and have led technical teams responsible for both operational and long-term planning functions.

At the Bonneville Power Administration, I have led multiple strategic initiatives focused on the future reliability and expansion of the Western Interconnection. These include leading the Transition Study Team for BPA's Grid Access Transformation initiative and BPA's Proactive Planning System Expansion effort. Through these initiatives, I have helped develop a new transmission expansion planning methodology intended to move BPA toward a proactive, scenario-based approach that identifies and advances multi-value transmission projects before the need is fully signaled through individual transmission service requests.

I also bring substantial experience participating in regional reliability forums and technical teams. My WECC service has included participation in the Anchor Data Set Task Force (ADSTF), Load and Resource Task Force (LRTF), System Review Subcommittee, and Reliability Assessment Committee. This work has provided me with direct experience collaborating with utilities, balancing authorities, planning coordinators, regulators, and other industry stakeholders to evaluate emerging reliability risks, assess future system needs, and develop coordinated regional solutions.

In addition, I have experience developing reliability standards and policy at both the regional and national levels. I participated in the TPL-007 Geomagnetic Disturbance Standard Drafting Team and served on the NERC Project 2022-02 Standard Drafting Team addressing distributed energy resources and inverter-based resources through revisions to IRO010, TOP-003, and MOD-032. These assignments have strengthened my understanding of the relationship among technical analysis, reliability standards, policy development, stakeholder interests, and practical implementation by transmission owners, planners, and system operators.

My combination of technical expertise, leadership experience, strategic planning responsibilities, and sustained collaboration with others working on regional and national reliability issues through WECC and NERC activities would allow me to contribute meaningfully to the MAC and represent Class 1 members as a whole. I am particularly interested in helping the committee address the rapidly evolving reliability, planning, policy, and infrastructure challenges facing the Western Interconnection. I would bring a collaborative, technically grounded, and forward-looking perspective, as well as BPA's experience as a major transmission provider responsible for supporting reliable and efficient operation of the interconnected Western grid.

Regards,

Alexander L. Stewart, P.E.
Reliability Initiatives Advisor – Bonneville Power Administration

<Public>

Alexander L. Stewart, P.E.

Mail: P.O. Box 3621, Portland, OR 97208-3621 | alstewart@bpa.gov

Professional Summary

Electrical Engineer and transformational leader with 17 years of BPA experience in transmission planning & operations, strategic planning, stakeholder engagement, and national reliability standards work. Proven record advising BPA executives, leading cross-functional initiatives, representing BPA in NERC, WECC, WPP and regional technical forums, and developing implementable strategies in the transmission system expansion, reliability, OATT, technology innovation and federal/regional policy spaces.

Core Qualifications

Advanced Transmission Planning | System Reliability | NERC/WECC/WPP Policy and Standards | Executive Advising | Strategic Initiative Leadership | Stakeholder Negotiation | Emerging Technologies | Inverter-Based Resource Integration | Open Access Transmission | Powerflow/Stability Analysis | AI & Planning Automation

Professional Experience

Reliability Initiatives Advisor **7/2026-Present**

Series/Grade: 0850/GS-14

Reports to: Jeff Cook, Executive VP of Transmission System Planning

- Advisor to Senior Leadership. Providing direct, authoritative advice and guidance to BPA's top executives, informing critical decisions that shape the agency's future.
- Implementing high-level strategies, policies, and programs that address the most pressing challenges facing the Western Interconnection.
- Key representative and voting member in influential industry forums and a leading voice with regional and national energy reliability and regulatory organizations.
- Serving as the go-to expert on technology innovations and research, guiding BPA's approach to adopting new systems and planning processes.
- Leading efforts to solve complex, high-consequence problems affecting the grid by representing BPA in meetings with national, state, and local authorities and other industry leaders.
- Evaluating and providing recommendations on major energy projects and proposals from the Department of Energy (DOE) and other federal agencies.
- Coordinating with other federal power agencies to create unified positions on emerging issues, ensuring a strong, collective voice in national policy discussions.
- Communicating and championing BPA's strategic initiatives and programs, serving as a liaison to ensure consistent interpretation and successful implementation across the agency and with external partners.

Lead, Grid Access Transformation (GAT): Proactive Planning Initiative, BPA **4/2025-7/2026** Series/Grade: 0850/GS-14

Reports to: Anita Heredia, Proactive Planning Program Manager

- Developed & championed BPA’s Proactive Planning strategic planning framework, shifting BPA from a reactive transmission expansion process to proactive system development, advancing BPA’s pledge to deliver request-toservice in under 6 years by identifying large infrastructure builds years earlier.
- Built and led the team that is developing the methodology for the Proactive Planning Expansion Study.
- Responsible for the Proactive Planning System Expansion Initiative implementation and timelines.
- Directing a cross-functional team including transmission planning, grid modeling, account executives, project managers and business analysts.
- Negotiated scope, deliverables, and implementation timelines with BPA executives, internal organizations, transmission customers and other external stakeholders.
- Developed materials and facilitated 11 external stakeholder workshops securing near unanimous approval of our vision and objectives. Multiple workshops with 100+ in attendance.
- Developed responses to Proactive Planning stakeholder public comments and guided external communications related to the GAT Proactive Planning Initiative.

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- Provided regular executive briefings and decision support to Enterprise Leadership and Tier 2 executive sponsors on emerging risks, stakeholder positions, legal considerations, and recommended strategic actions.
- Produced documents for legal review and worked with the Office of General Council to reduce legal risk associated with Proactive Planning proposals.
- Coordinated policy, legal, commercial and engineering perspectives to develop an implementable planning framework.

Supervisor of Long-Term Planning Engineering (TPLE), BPA **8/2024-7/2026**

Series/Grade: 0850/GS-14

Reports to: Anita Heredia, Long-Term Transmission Planning Manager

- Directed and supervised 6 transmission planning engineers, assigning work, managing performance, and ensuring delivery of long-term planning studies, commercial analysis and transmission expansion strategy.
- Worked with leadership to develop a strategic vision for Long-Term Planning Engineering.
- Developed strategic partnerships with BPA Transmission Planning (TPP) & Long-Term Power Planning (PGPR) by identifying roadblocks, incorporating workflows, securing necessary data sharing and building trust between groups.
- Served for 3+ years on the NERC Project 2022-02 Standard Drafting team and helped draft national reliability standards that addressed inverter-based resources (IBR) & distributed energy resources (DER) integration into transmission planning processes while negotiating BPA's reliability interests.
- Successfully coached an underperforming engineer to exceeding performance expectations level through an individual development plan and mentorship.
- Served as BPA's POC for AI technology interests in Transmission Planning. Working with EPRI, DOE & PNNL to implement AI tools to streamline planning processes and expand analytic capabilities.

Lead, Grid Access Transformation (GAT): Transition Study Team, BPA **4/2025-3/2026**

Series/Grade: 0850/GS-14

Reported to: Abbey Nulph, Grid Access Transformation Program Manager

- Led the development/evaluation of 8 GAT Transition Study Alternatives under compressed timelines.
- Developed materials and facilitated 7 stakeholder workshops, walking stakeholders through each alternative in detail.
- Through regional dialogue, synthesized technical, commercial, legal and customer considerations into a recommended path forward to TC-27 settlement that secured executive approval.
- Produced documents for OGC review to reduce legal risk of GAT Transition Proposal in TC-27 process.

Supervisor of Operations Planning (TOOP), BPA **4/2024-8/2024**

Series/Grade: 0850/GS-14

Reported to: Margaret Albright

- Led 15 Engineers responsible for the development of Total Transfer Capabilities and System Operating Limits.
- Directed technical studies supporting dispatcher operations including the production of Dispatchers Standing Orders and System Limitation Memos.
- Successfully coached underperforming engineers to meet expectations through individual development plans, targeted training and performance improvement plans.
- Accountable for the coordination of planned transmission outages with the reliability coordinator.
- Managed engineering teams at both Dittmer and Munro Control Centers ensuring consistent operational support.

Senior Grid Modeling Engineer (TPMG), BPA **10/2016-4/2024**

Series/Grade: 0850/GS-13

Reported to: James Randall, Transmission Planning Grid Modeling Supervisor

- Led development and validation of BPA's transmission planning powerflow models.
- Served as BPA's Load Modeling subject matter expert. Developed BPA's load modeling methodology.
- Served on multiple WECC Taskforces including the Anchor Data Set Taskforce (ADSTF) & the Loads and Resource Taskforce (LRTF). Negotiated key reliability model development strategies at the WECC level.
- Represented BPA in ColumbiaGrid and Western Power Pool technical groups.
- Represented BPA on the WECC System Review Subcommittee and the Reliability Assessment Committee.

Transmission Planning Engineer (TPP), BPA **10/2014-10/2016**

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Series/Grade: 0850/GS-12

Reported to: Melvin Rodrigues (Retired), Transmission Planning Manager

- Conducted reliability, load interconnection, loop-break and TSEP commercial studies.
- Conducted powerflow, voltage stability, and transient stability analysis in PowerWorld and GE PSLF.

Student Trainee TESM, TEST, TPC, TELC, S.T.A.R., TPP **6/2009-9/2014**

Series/Grade: 0850/GS 4-11 | Various Hrs | $54,028 Annually

Education

- **Doctorate of Engineering (In Progress)** **Exp. 6/2030**
  Pennsylvania State University, J. Jeffrey & Ann Marie Fox Graduate School
- **Master of Science in Electrical and Computer Engineering (ABET Accredited Program) 6/2014**
  Portland State University, Maseeh College of Engineering and Computer Science GPA: **3.82** of a maximum **4.00**
- **Bachelor of Science in Electrical and Computer Engineering (ABET Accredited Program) 8/2012**
  Portland State University, Maseeh College of Engineering and Computer Science
  GPA: **3.24** of a maximum **4.00**
- **Bachelor of Science in Communication Studies 8/2007**
  Portland State University, College of Liberal Arts & Sciences
  GPA: **3.24** of a maximum **4.00**

Professional License:

Professional Engineer (PE) | State of Oregon | License #**88097PE | ** Issued March 10, 2026

Professional Activities

- Member, NERC Project 2022-02 Standard Drafting Team
- BPA Representative, WECC Reliability Assessment Committee
- BPA Representative, WECC System Review Subcommittee
- Member, WECC Anchor Data Set Task Force
- Member, WECC Loads & Resource Task Force
- Member, Portland State University Industrial Advisory Board
- Member, IEEE Power & Energy Society
- Member, IEEE Eta Kappa Nu – Electrical Engineering Honor Society