



BOARD OF PUBLIC UTILITIES NOTICE OF VACANCY



POSTING: 61-2026	OPENING DATE: SEPTEMBER 1, 2026	CLOSING DATE: SEPTEMBER 22, 2026
TITLE: RESEARCH SCIENTIST 2	WORKWEEK: 35 HOURS (NL)	EXISTING VACANCIES: 1
SALARY: \$98,628.18 - \$134,900.38	DIVISION/OFFICE: DIVISION OF ENGINEERING	

OPEN TO THE PUBLIC

GENERAL DESCRIPTION

The New Jersey Board of Public Utilities (BPU), Division of Engineering, seeks a Research Scientist 2 to support administration and technical evaluation of supplemental electric transmission projects under the Advanced Grid Technologies Act. The Board is establishing a formal review process for certificates of public convenience and necessity for these projects, and this position will assist in administering that process, performing engineering and regulatory analysis, evaluating PJM Attachment M-3 project filings, and ensuring compliance with statutory and technical requirements. The ideal candidate will have a strong understanding of PJM's Attachment M-3 process, electric transmission design criteria, and transmission system performance evaluation.

WORK RESPONSIBILITIES

Support administration of the Board's review process for Certificates of Public Convenience and Necessity for supplemental transmission projects, including coordination of filings, documentation management, and compliance with statutory timelines. Review and evaluate supplemental transmission projects submitted through PJM's Attachment M-3 process, including assessment of planning drivers, alternatives analyses, stakeholder feedback, and PJM documentation. Research and assess compliance with applicable transmission design criteria, NERC reliability standards, PJM transmission owner planning criteria, and BPU-established grid performance benchmarks. Research and evaluate feasibility and cost-effectiveness of advanced transmission technologies, including dynamic line ratings, advanced conductors, power flow controllers, and topology optimization. Analyze expected transmission system performance impacts such as congestion reduction, transfer capability, line losses, curtailment reduction, and reliability/resilience improvements. Review utilities' cost-effectiveness analyses and conduct independent engineering and economic assessments as needed. Prepare technical memoranda, engineering evaluations, regulatory analyses, and recommendations for Board consideration for both standard and expedited review pathways. Coordinate with the New Jersey Division of Rate Counsel, PJM Independent Market Monitor, utilities, and external stakeholders throughout the review process. Support public participation procedures, including management of public-access materials and proper handling of confidential information. Review and interpret PJM Attachment M-3 records to ensure alignment between regional planning outcomes and State-level evaluation criteria. Assist in ongoing refinement of internal procedures, documentation templates, technical criteria, and evaluation methodologies.

REQUIREMENTS

EDUCATION: Graduation from an accredited college or university with a Master's degree in a discipline appropriate to the position. A degree in electrical engineering, power systems engineering, or a related scientific/technical field preferred.

EXPERIENCE: Three (3) years of full-time experience in a field appropriate to the position.

NOTE: A Doctorate in a discipline appropriate to the position may be substituted for two (2) years of experience indicated above.

REQUIRED QUALIFICATIONS: Demonstrated experience evaluating transmission design criteria, NERC TPL reliability standards, and transmission system performance. Ability to analyze complex engineering proposals and identify opportunities for cost-effective deployment of advanced transmission technologies. Excellent analytical writing, communication, and stakeholder engagement skills.

PREFERRED QUALIFICATIONS: 3–5 years of experience in electric transmission planning, PJM Attachment M3 project evaluation, transmission engineering, or utility regulatory review. Strong understanding of PJM regional transmission planning processes, including needs assessments, solution development, project drivers, and alternatives analysis. Experience with advanced or grid-enhancing transmission technologies. Familiarity with utility rate structures, formula transmission rates, and regulatory or financial incentive mechanisms. Prior experience with a public utility commission, RTO/ISO, transmission owner, or engineering/consulting firm.

RESUME NOTE: Eligibility determinations will be based upon information presented in resume and proof of degree submitted. Applicants who possess foreign degrees (degrees earned outside of the U.S.) are required to provide an evaluation indicating the U.S. equivalency.

GENERAL INFORMATION

BENEFITS: The State of New Jersey offers a variety of employee benefits statewide, including:

- Health and Dental Benefit Plans
- Prescription Drug Plan
- Vision Care Reimbursement
- Deferred Compensation
- 12 Vacation Days, 15 Sick Days, 3 Administrative Leave Days
- 13 Paid Holidays
- Telework available for some positions after 120 days of employment* (*Pursuant to the BPU's policy, procedures, and/or guidelines*)
- Flexible and Health Savings Accounts
- Public Student Loan Forgiveness
- Paid Leave for Military Training

HOURS OF WORK: The hours of work for this position are Monday through Friday from 9:00 a.m. to 5:00 p.m. All No Limit (NL) titles will be required to perform work beyond the stated hours of work as needed, in compliance with applicable collective bargaining agreements and laws.

STATE AS A MODEL EMPLOYER (SAME) APPLICANTS If you are applying under the NJ "SAME" program, your supporting documents (Schedule A or B letter), must be submitted along with your resume by the closing date indicated above. [The SAME program allows candidates, who identify as having a significant disability, to apply for non-competitive and unclassified positions through a fast track hiring process. For more information about the SAME program and the Fast Track Hiring program, please \[click here\]\(#\) if you have any questions, please email, or call the contact as indicated on the job vacancy announcement.](#)

TELEWORK: This position may be eligible to participate in the Department's Telework Program after 120 days of employment, which offers eligible employees the opportunity to work remotely up to two (2) days per week, if approved by management per operational needs, subject to all requirements of the Department's Telework Program. For questions regarding Telework eligibility, please ask during the interview process if selected for an interview.

WORK AUTHORIZATION: In compliance with federal law, all persons hired will be required to verify identity and eligibility to work in the United States and to complete the required employment verification forms upon hire. Selected candidates must be authorized to work in the United States according to the Department of Homeland Security, United States Citizenship, and Immigration Services Regulations. The State of New Jersey does not provide sponsorships for citizenships or Visas to the United States.

RESIDENCY REQUIREMENTS: The "New Jersey First Act," N.J.S.A. 52:14-7 (L. 2011, Chapter 70) effective September 1, 2011, contains new residency requirements for public officers and employees, unless exempted under the law. Current, new, or prospective employees should be aware of the following: *Effective September 1, 2011, all employees of State and local government must reside in the State of New Jersey, unless exempted under the law. If you already work for the State or local government as of September 1, 2011, and you do not live in New Jersey, you are not required to move to New Jersey. However, if you begin your office, position or employment on September 1, 2011, or later, you must reside in New Jersey. If you do not reside in New Jersey, you have one year after the date you take your office, position, or employment to relocate your residence to New Jersey. If you do not do so, you are subject to removal from your office, position, or employment. For more information, visit: <https://www.nj.gov/labor/research-info/njfirst.shtml>*

APPLICATION INSTRUCTIONS: Submissions must be received in time to the email address listed below to be considered. **Failure to submit all required documents may result in an ineligibility determination.** Interviews will be granted based on the resume.

If you are qualified, please submit the documents listed below by 4:00 pm on the closing date of this vacancy:

- Cover letter/letter of interest indicating the posting number
- A current resume
- Proof of degree (a copy of your final official/unofficial transcripts and/or foreign degree evaluation)
- Writing Sample
- A complete [State of NJ Employment Application](#) and [Personal Relationships Disclosure Form](#)

All documents must be submitted via email at humanresources@bpu.nj.gov (Subject line must include the specific job posting number).

The New Jersey Board of Public Utilities is an Equal Opportunity Employer.