



Request for Proposals

Released April 14, 2026 | Schedule Modified April 24, 2026

Purpose of the Solicitation & Background

Team Pennsylvania, in partnership with the Pennsylvania Public Utility Commission (PA PUC), the Governor's Office, and other Commonwealth partners, seeks a qualified consultant to conduct a statewide transmission and energy redevelopment analysis as part of the Pennsylvania Accelerated Transmission and Energy Redevelopment (PATER) initiative. The study will provide a data-driven assessment of Pennsylvania's transmission infrastructure, energy assets, and redevelopment opportunities associated with recently retired generation sites. This analysis is funded by the U.S. Department of Energy's Office of Electricity via its Transmission Acceleration Grant program.

This two-part analysis will generate actionable insights to inform strategic decision-making related to transmission investment, grid reliability, and energy redevelopment opportunities that can support long-term economic growth across the Commonwealth.

Key Outcomes of the Study

- Develop a statewide geospatial analysis of Pennsylvania's electricity infrastructure, mapping existing generation assets and transmission lines of 100 kV and greater, including identification of aging infrastructure and integration of relevant overlays such as broadband availability, water resources, natural gas infrastructure, and other enabling assets.
- Assess future electricity demand and infrastructure readiness, incorporating projected load growth and related infrastructure factors to identify areas where existing transmission capacity may constrain or enable new energy development.
- Evaluate approximately twenty deactivated generation sites for redevelopment potential, analyzing transmission capacity, interconnection availability, surrounding infrastructure, and site characteristics to identify locations where energy redevelopment opportunities may be most feasible.

Pennsylvania has historically served as a major electricity producer within the PJM Interconnection region and remains a net exporter of electricity. The energy landscape is evolving rapidly due to shifts in generation resources, increasing electricity demand, and emerging industries requiring large and reliable power supply.

Over the past decade, numerous large power generation facilities in Pennsylvania have retired. Many of these facilities remain located near high-capacity transmission infrastructure originally designed to support large-scale generation. These locations present potential opportunities for energy redevelopment or transmission upgrades.

At the same time, Pennsylvania faces growing electricity demand from advanced manufacturing, artificial intelligence computing, and data center development. Understanding where transmission capacity exists, where upgrades may be required, and where redevelopment opportunities are most viable, is essential to ensuring reliable and affordable power for residents and businesses.

Through the PATER initiative, Team Pennsylvania, the PA PUC, and the Commonwealth seek to develop a data-driven understanding of transmission infrastructure, generation siting potential, and future load growth, enabling strategic planning and investment in high-impact locations.

The results of this study will support future planning efforts and may inform projects pursued through PJM's State Agreement Approach.

About Team Pennsylvania Foundation

[Team Pennsylvania](#) is a statewide, nonpartisan public-private partnership focused on accelerating the commonwealth's long-term economic future.

For the PATER initiative, Team Pennsylvania is serving as the convener and project lead, working in partnership with the PA PUC, Governor's Office, and multiple state agencies. Its role is to align public leadership with private-sector expertise so that the study's findings translate into actionable opportunities.

Team Pennsylvania will operate as a neutral and nonpartisan cross-sector broker, bringing together industry insight, state leadership, and data-driven analysis to identify practical, investment-ready solutions. This partnership is unique because it brings together state agencies, regulators, and industry voices at the outset rather than after decisions are made, enabling the study to reflect real-world infrastructure constraints, market signals, and development opportunities.

Given the pace of change in energy demand and infrastructure development, Team Pennsylvania's role is also to ensure that the insights generated through this work advance quickly into the hands of decision-makers and stakeholders. The goal is to translate the study's findings into timely, actionable pathways that contribute as rapidly as possible to strengthening grid reliability, enabling redevelopment opportunities, and supporting Pennsylvania's long-term economic growth.

Objectives of Study and Scope of Effort

The selected consultant will conduct a two-part comprehensive Transmission Resource Adequacy and Energy Redevelopment Analysis for the Commonwealth of Pennsylvania to identify locations where transmission investments and energy redevelopment opportunities can deliver the greatest benefits for grid reliability, resource adequacy, and economic development.

This work will produce a data-driven assessment of Pennsylvania's existing transmission infrastructure, projected load growth, and redevelopment opportunities associated with deactivated generation sites. Redevelopment options could include load side resource development beyond previous site capacities. The analysis will support the Commonwealth's exploration of targeted transmission investments, including potential use of PJM's State Agreement Approach (SAA) to accelerate development of high-impact transmission projects.

The consultant will work closely with the Pennsylvania Public Utility Commission (PA PUC), Team Pennsylvania, the Department of Environmental Protection's Energy Programs Office (EPO), and other Commonwealth partners to deliver the analytical work, modeling, and reporting described below.

The tasks outlined in this RFP constitute the Scope of Effort established in Team Pennsylvania's agreement with the Pennsylvania Public Utility Commission. The selected consultant will be required, at a minimum, to complete all elements of this Scope of Effort as described, as fulfillment of these tasks is necessary to meet contractual obligations.

Task 1: Project Initiation and Stakeholder Coordination

The consultant will support project initiation and establish coordination processes with project partners.

Activities include:

- Participate in project kickoff meetings with PA PUC, Team Pennsylvania, EPO, and other participating agencies.
- Establish a detailed workplan, timeline, and data needs for completion of the study.
- Identify required data sources, including utility data, PJM system information, and publicly available datasets.
- Establish coordination protocols for regular engagement with PA utilities, PJM analysts, and project partners.
- Participate in recurring project meetings, including:
 - Weekly coordination meetings with PA PUC and Team Pennsylvania.
 - Monthly coordination meetings with the broader project team.
- Provide periodic progress updates and interim findings to project partners.

Part A Analysis Report

Task 2

- 1) Work with PA PUC, Team PA, and relevant agencies to strategically select approximately 20 sites of deactivated generation in Pennsylvania to examine in this study.
- 2) Compile PA and PJM overlay data for approximately 20 sites with deactivated generation units
- 3) Engage PA utilities and PJM for forecasted load growth in their service territories for the next 10 years
- 4)
 - a) Determine and map out where all generators are located in PA
 - b) Map all existing 100kV and greater transmission, identifying lines that are 30 years old and older (subject to data availability)
 - c) Identify and map new transmission capacity that is currently being proposed
- 5) Create map overlay illustrating where robust broadband and fiber optic lines are located as a support to new potential data center buildout. Broadband upgrades are critical for industrial redevelopment tied to generation site reactivation.
- 6) Create overlays showing terrain, hydrology resources, Marcellus shale gas development (current and likely), population density, and other factors impacting power generation siting, transmission, and utilization.
- 7) Of the 20 deactivated sites, investigate and determine the following:
 - a. What was the generation capacity at time of decommissioning
 - b. What transmission infrastructure currently exists at the selected sites
 - c. Is there still transmission headroom or has this been taken up by other resources
 - d. Which of the 20 sites still have CIRs available for transfer to new generation or are new CIRS needed to reactivate a site
 - e. Sampling of other sites in PA near existing transmission with available headroom for new generation
 - f. Associated interconnection and network upgrade costs to repower in cost-effective manner
 - g. If reused for new power generation, what are the most feasible options considering capacity which could be installed by land area and/or existing transmission capacity
 - h. Gas pipeline and storage proximity to decommissioned sites
 - i. Five (5) year window for assessing commercial viability of reactivation
 - j. If repowered, what fuel type is most likely
 - k. Model new generation at deactivated sites integrating into existing PJM system model, determining which transmission corridors would then experience thermal overload, requiring additional system upgrades
 - l. Are sites located near existing or planned large loads
 - m. Where is new load most likely to originate (region, industry sector, export, etc)
 - n. Study and provide assessment of co-locating a generator and data center at the same sites, including interconnection, and cost/benefits to the grid at large

- o. Are there other viable uses for these parcels
- 8) Assess which regions of PA would see the greatest economic development derived from new high voltage transmission capacity (over 100 kV) versus other regions in the state. How to weight the value of new economic development opportunities
- 9) Compare the Advanced Transmission Technologies (ATTs) that could be implemented throughout PA, including their costs, benefits, maximum transmission capacity increases, best use cases, ease of implementation, and any barriers to entry. Include an assessment of the Duquesne Light Company and PPL ATT pilot projects being implemented in PA.

Task 3

Part A Report

Draft preliminary report from data and results informed by assessments in steps 1-9 above

- 1) Deliver report to Team PA, who in turn shares with PA PUC and EPO for review and comments before giving to DOE and RTI/TechWerx for comment. Incorporate DOE feedback into the preliminary report
- 2) Publish updated preliminary report on PA PUC website soliciting comments
- 3) Facilitate a formal docketed proceeding by PA PUC for public comments on preliminary report
- 4) Consolidate public comments from docketed proceeding into a final Part A report, incorporating relevant feedback from public comment period and other input into the final Part A report

Task 4

- 1) Incorporate relevant feedback from public comment period and other input into final Part A Report
- 2) Provide final report to Team PA, who in turn gives it to PA PUC and EPO for any final feedback and edits before publication on PA PUC website and send final Part A report and website link to DOE/TechWerx
- 3) Brief relevant state office partners, along with DEP Energy Programs Office on results of Part A study and plans for Part B efforts, including Advanced Transmission Technology deployment feasibility in PA.

Part B Analysis Report

Task 5

- 1) In partnership with PA PUC and relevant stakeholders, develop a methodology for ranking the 20 deactivated units/sites identified in the Part A study. This should be framed as a cost/benefit analysis, including quantifiable and qualitative data and consider speed to deployment for new generation capacity installed at the sites.
 - a. The following criteria must be considered in the ranking of the 20 sites: existing CIRs, existing transmission headroom, alternative uses of the site and the associated relevant capacities (either for load or generation), broadband proximity and capacity, costs associated with upgrading the transmission capacity (including ATT alternatives), costs associated with prepping the site for redevelopment, and economic benefits to the region for redeveloping the site.
 - b. The following criteria should be evaluated for potential inclusion in the ranking of the 20 sites: local ordinances/laws limiting or accelerating the site redevelopment or transmission upgrades, load forecast, planned developments nearby, existing infrastructure nearby (such as gas pipeline, storage facilities, large load sites), time frame for redevelopment of the site, site readiness and/or owner willingness for redevelopment, other relevant costs and benefits, and any criteria mentioned in Task 2.6.A that has not otherwise been listed here.
 - c. The contractor, Team PA, PA PUC, and relevant stakeholders should work together to determine whether other criteria should be included in the ranking evaluation of the 20 sites.
- 2) Rank each of the sites based on this criteria
- 3) Conduct site visits, in collaboration with industry partners owning the units, to the highest 5-7 ranked sites. Incorporate on-site notes into monthly reports as appropriate. Adjust rankings, as needed, based on information gleaned from site visits
- 4) Draft preliminary Part B Report to include analysis of prioritized candidate sites with highest level of value for future transmission development and optimization
- 5) Share preliminary report with Team PA, PA PUC, EPO, and relevant agencies for review and feedback. Incorporate feedback and publish preliminary Part B Report on PUC website

Task 6

- 1) Host public outreach with project partners to highlight and explain the targeted sites identified in the draft Part B Report for public comment
- 2) Consolidate feedback from public outreach, incorporating into a final Part B Report

Task 7

- 1) Finalize Part B Report identifying the most promising sites for utilization of the State Agreement Approach (SAA) to spur transmission development, incorporating feedback, as appropriate from public outreach, and input from relevant partners

- 2) Share with Team PA, PA PUC, EPO, and relevant agencies for any final feedback or edits. Publish Part B Report on PA PUC’s website and send final Report, and link, to DOE/RTI TechWerx

Task 8

- 1) Solicit and incorporate DOE Grid Deployment Office (GDO) edits and feedback into final recommendations and deliverables. Submit to Team PA for final review. To be forwarded to PA PUC and then GDO for final approval.

Deliverables and Key Task Areas

<u>Deliverable</u>	<u>Description</u>	<u>Timing</u>
Project Workplan	Submit a detailed project workplan including study methodology, data sources, modeling approach, project schedule, and stakeholder coordination plan with PA PUC, Team Pennsylvania, PJM, utilities, and participating agencies.	Within 30 days of contract execution
Statewide Infrastructure Data & Mapping	Provide geospatial analysis and datasets identifying all generation assets in Pennsylvania, transmission infrastructure 100 kV and above, lines approximately 30 years or older (subject to data availability), proposed transmission projects, and overlays including broadband, fiber, terrain, hydrology, population density, and natural gas infrastructure.	During analysis phase
Deactivated Generation Site Analysis	Conduct analysis of approximately 20 deactivated generation sites, including historic capacity, transmission headroom, Capacity Interconnection Rights (CIR) availability, interconnection or upgrade costs, proximity to enabling infrastructure, redevelopment feasibility within a five-year window, and potential for co-locating generation with large loads such as data centers.	During analysis phase
Transmission System & Technology Assessment	Evaluate transmission system impacts of new generation development, identify potential transmission constraints or upgrade needs, assess corridors where additional high-voltage transmission could deliver benefits, and analyze Advanced	During analysis phase

	Transmission Technologies (ATTs) including costs, benefits, and deployment considerations.	
Preliminary Part A Report	Deliver preliminary report summarizing statewide infrastructure analysis, site assessments, modeling results, and initial findings. Submitted to PA PUC and Team Pennsylvania for review prior to public release.	Following completion of primary analysis
Public Comment Support	Support PA PUC in the public review process, including preparation of presentation materials, responses to technical questions, and incorporation of stakeholder feedback into the study results.	During public comment period
Final Part A Report	Deliver final report incorporating stakeholder feedback and finalizing all analysis. Report will identify priority opportunities for transmission upgrades and energy redevelopment and include supporting maps, datasets, and technical documentation.	Following public comment process
Site Ranking Methodology & Criteria Framework	A documented framework outlining the criteria, weighting, and scoring structure used to evaluate and compare deactivated generation sites. The deliverable will present the full evaluation model in a clear, transparent format, enabling stakeholders to understand how site rankings are determined and applied.	During analysis phase and prior to 5-7 site visits
Preliminary Part B Report (Prioritized Sites)	Deliver a preliminary report presenting the initial ranking of sites, including identification of the highest-value candidates for redevelopment and transmission investment. The report will summarize the analytical approach, key findings, and rationale for site prioritization.	Following site visits
Public Comment Support	Support PA PUC and project partners in conducting public outreach on the prioritized sites, including development of presentation materials and responses to stakeholder feedback. This process will inform refinement of site rankings and ensure transparency and stakeholder alignment.	During public comment period

Final Part B Report (Final Rankings & Recommendations)	Deliver a final report identifying the most promising sites for redevelopment, including refined rankings, supporting analysis, and actionable recommendations for investment pathways. The report will incorporate stakeholder/public feedback.	Following public meeting(s) with project partners
Final Briefing	Provide briefing to PA PUC, Team Pennsylvania, and participating agencies summarizing key findings, implications, and recommended next steps.	At project completion

Request for Proposal Elements

Proposals should demonstrate the proposer’s capability to conduct the analytical, technical, and coordination activities described in the Scope of Effort. Given the complexity of the study, proposals should reflect a strong understanding of transmission systems, energy infrastructure analysis, and large-scale infrastructure planning. Submissions should clearly describe the firm’s approach, qualifications, and ability to execute the work in coordination with the PA PUC, Team Pennsylvania, participating agencies, and other relevant stakeholders. Preference for a consultant with access to PJM's most recent baseline base cases for the transmission planning process, at minimum. Proposals should include the following elements:

1. **Technical Approach & Methodology:** A description of the firm’s overall approach to completing the study, including the analytical methods, modeling capabilities, and data integration strategies the firm proposes to use.
2. **Work Plan and Schedule:** Present a comprehensive work plan outlining the tasks, deliverables, and timelines for each element of the scope of effort, including milestones and key project dates. Include any suggested approaches to streamline the deliverables to achieve efficiencies in schedule and cost, such as unique software analytics or novel AI approaches. Include information on the ideal working relationship between the consultant and client, including communication and project coordination expectations.
3. **Team Qualifications & Experience:** Outline the qualifications, expertise, and relevant experiences of the project team members, including analysts and subject matter experts. Include the biographies of the primary consulting team including specific role(s) and area(s) of expertise. Include case studies or previous projects to demonstrate your organization’s capability to undertake similar initiatives successfully. Direct prior experience in the Commonwealth of Pennsylvania and with PJM is strongly encouraged. Lead applicants are encouraged to develop teaming arrangements to address knowledge and/or experience gaps as needed.

4. Budget and Cost Proposal: Include a detailed breakdown of costs associated with each element of the project. This breakdown should outline all expenses, including personnel, travel, research materials, data sourcing, software needs, and any other relevant costs. Please specify any assumptions that may impact your cost estimate.
5. References: Provide three (3) references for comparable projects completed within the past four (4) years.

Selection Evaluation Criteria

Team Pennsylvania will be evaluating proposals based on the following criteria:

- Adherence to Proposal Requirements
- Understanding of Project Objectives
- Methodological Soundness and Innovation
- Team Qualifications and Experience
- Project Management and the Ability to Execute
- Cost-effectiveness
- Overall Proposal Quality

Submission Guidelines

- Proposals must be submitted electronically both to Tom Murphy, Senior Managing Director, at tmurphy@teampa.com and rfp@teampa.com by 12 noon EDT on Tuesday, May 5, 2026. Please note that we can only accept files smaller than 25MB.
- Late submissions will not be considered.
- Any inquiries or clarifications regarding this RFP should be directed to Tom Murphy, at tmurphy@teampa.com and rfp@teampa.com.
- You will receive a notification to confirm receipt of your proposal within 24 hours of your transmission. If you do not receive a confirmation, please contact Lisa Riggs at 717-572-6617 or lisa@teampa.com.

Schedule: (Modified April 24, 2026)

Team Pennsylvania will complete the consultant selection per the timeline below; however, the project schedule has been adjusted with the intent of maintaining the anticipated commencement date. The selected consultant will work closely with Team Pennsylvania to finalize and refine the timeline as needed to ensure the successful completion of the project.

April 14, 2026	Team Pennsylvania releases RFP
April 24, 2026 April 29, 2026	Updates, clarifications or additional guidance (if needed) posted to Team PA's RFP website by 5:00 PM EDT
May 5, 2026 May 7, 2026	RFP Responses due to Team PA by 4:00 PM EDT
May 18 & 20, 2026	Team Pennsylvania interviews with selected applicants. Specific interview windows are now set between 9:00 AM - 12:00 PM EDT on Monday, May 18th or Wednesday, May 20th
By May 27, 2026	Consultant selection and notification of all respondents
June 1, 2026	Project commences
TBD	Draft Part A deliverables submitted
TBD	Public hearing support with PA PUC
TBD	Part A final deliverables completed w/incorporated comments
TBD	Draft Part B deliverables submitted
TBD	Public hearing support with PA PUC
TBD	Part B final deliverables completed w/incorporated comments
Target Dec 17, 2026 possibility of 3 month extension if needed	Final report to funder(s)

Point of Contact

For technical matters, contact Tom Murphy, Senior Managing Director, Strategic Energy Initiatives, at tmurphy@teampa.com.

For administrative matters, contact Lisa Riggs, Senior Managing Director, Economic Growth Strategies & Partnerships, at lisa@teampa.com.

Disclaimer

Team Pennsylvania reserves the right to modify, suspend, or terminate this RFP at any time and to accept or reject any or all proposals. Issuance of this RFP does not constitute a commitment to award a contract or to pay costs incurred in proposal preparation.

The timelines included in this RFP are estimates only. Team Pennsylvania may adjust the schedule as needed based on proposal review, stakeholder coordination, funding considerations, or other factors.

Team Pennsylvania may request clarifications, conduct interviews with respondents, and negotiate scope, schedule, or pricing with the selected proposer prior to contract execution.