

**Summary of Agency Consultations and Communication for
Threatened and Endangered Species**

Date	Correspondence Type	Subject
NATIONAL MARINE FISHERIES SERVICE (NMFS)		
August 12, 2014	AECOM Consultation Request	Project Review for rare, candidate, threatened, and endangered species request
September 18, 2014	NMFS Consultation Response	Seasonal limitations for in-water work recommended from March 1 to June 30 to protect migratory fishes
January 14, 2015	AECOM Project Update	Route Update
March 30, 2015	AECOM Project Update	Route Update
July 24, 2015	AECOM Project Update	Route Update
December 8, 2015	Email Correspondence	NMFS confirmation of in-water work restrictions
December 17, 2015	AECOM Project Update	Route Update
February 23, 2016	AECOM Project Update	Route Update
September 26, 2016	AECOM Project Update	Route Update
PENNSYLVANIA DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES (PADCNR)		
August 12, 2014	AECOM Consultation Request	Large Project Pennsylvania Natural Diversity Inventory (PNDI) review update request
September 17, 2014	PADCNR Consultation Response	Species determined by PFBC to occur within range of the project
October 24, 2014	AECOM Project Update	Route Update
January 14, 2015	AECOM Project Update	Route Update
February 20, 2015	PADCNR Consultation Response	Species determined by PADCNR to occur within range of the project; Updated to reflect updated route
March 30, 2015	AECOM Project Update	Route Update

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April 6, 2015	PADCNR Consultation Response	Species determined by PADCNR to occur within range of the project; Updated to reflect updated route
July 24, 2015	AECOM Project Update	Route Update
October 7, 2015	PADCNR Technical Reports	Provided RTE plant survey results
October 22, 2015	PADCNR Consultation Response	Species determined by PADCNR to occur within range of the project; updated to reflect updated route; no Impact determination
November 5, 2015	PADCNR Email Correspondence	Results of RTE plant surveys discussed
December 17, 2015	AECOM Project Update	Route Update
February 23, 2016	AECOM Project Update	Route Update
September 26, 2016	AECOM Project Update	Route Update
October 13, 2016	Technical Report	AECOM submitted a Botanical Survey report
October 31, 2016	AECOM Consultation Request	Route update and submission of Botanical Survey Report
January 10, 2017	PADCNR Consultation Response	Species determined by PADCNR to potentially occur within the Project area; surveys requested.
April 19, 2018	AECOM Consultation Update	AECOM submitted a Botanical Survey Report, rare plant mitigation plan, and a summary and kmz file of the updated consultation area.
May 22, 2018	PADCNR Consultation Response	PADCNR concurred with survey responses, requested modifications to rare plant mitigation plan
July 9, 2018	Rare Plant Report	Notification of incidental observation of a rare plant species
August 15, 2018	AECOM Consultation update	Rare plant survey report, rare plant mitigation plan
August 24, 2018	PADCNR Consultation Response	Final PNDI clearance received from PADCNR
October 4, 2019	AECOM Data Submission	Reported the incidental observation of a rare species, updated Rare Plant Mitigation Plan which incorporates new species.
October 11, 2019	AECOM Route Update	Provided mapping and preliminary environmental review for a minor workspace adjustment proposed in Pinchot State Forest at the request of PADCNR Right-of-Way Administration Office.

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October 17, 2019	PADCNR Consultation Response	The PADCNR confirmed that no new surveys will be requested for the Pinchot State Forest reroute.
January 23, 2020	AECOM Project Update	Provided mapping and description of the proposed Church Road Interconnects and requested agency review.
February 4, 2020	PADCNR Consultation Response	The PADCNR confirmed that no new surveys will be requested for the Church Road Interconnects, and no impacts are anticipated for species under the jurisdiction of the PADCNR.
PENNSYLVANIA FISH AND BOAT COMMISSION (PFBC)		
August 12, 2014	AECOM Consultation Request	Project Review for rare, candidate, threatened, and endangered species request
September 8, 2014	PFBC Consultation Response	Species determined by PFBC to occur within range of the project; Attached were guidelines for multiple species habitat assessments, available upon request
October 24, 2014	AECOM Project Update	Route Update
November 4, 2014	Meeting of multiple parties, including PFBC	Meeting Minutes
November 10, 2014	PFBC Consultation Response	Species determined by PFBC to occur within range of the project; Updated to reflect updated route
January 14, 2015	AECOM Project Update	Route Update
January 23, 2015	PFBC Consultation	Species determined by PFBC to occur within range of the project; Updated to reflect updated route
March 30, 2015	AECOM Project Update	Route Update
April 22, 2015	PFBC Consultation Response	Species determined by PFBC to occur within range of the project; Updated to reflect updated route
July 15, 2015	AECOM Record of Conversation	Discussion of T&E Species Surveys
July 16, 2015	PFBC Email Correspondence	T&E Species Surveys updates
July 24, 2015	AECOM Project Update	Route Update
August 10, 2015	AECOM Email Correspondence	Strategy question regarding timber rattlesnake dens in project area

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August 12, 2015	PFBC Consultation Response	Species determined by PFBC to occur within range of the project; Updated to reflect updated route
August 20, 2015	PFBC Consultation Response	Species determined by PFBC to occur within range of the project; Updated to reflect updated route
October 7, 2015	AECOM Technical Reports	Provided northern cricket frog and timber rattlesnake survey results
November 5, 2015	PFBC Consultation Response	Species determined by PFBC to occur within range of the project; Updated to reflect updated route, No impact clearance received for Northern Cricket Frog
November 10, 2015	AECOM Technical Reports	Provided technical reports supplements
December 10, 2015	PFBC Consultation Response	Species determined by PFBC to occur within range of the project; Updated to reflect updated route
December 17, 2015	AECOM Project Update	Route Update
January 5, 2016	PFBC Consultation Response	Species determined by PFBC to occur within range of the project; Updated to reflect updated route
February 23, 2016	AECOM Project Update	Route Update
June 13, 2016	AECOM Consultation Request	Request to identify impact by county
June 15, 2016	PFBC Consultation Response	Status update to specifically identify impact by county
August 01, 2016	AECOM Technical Reports	Timber Rattlesnake Phase II Survey Report
August 31, 2016	PFBC Consultation Response	PGBC provided a summary of impacts/recommendations related to Timber Rattlesnake
September 26, 2016	AECOM Project Update	Route Update
October 24, 2016	PFBC Consultation Response	Species determined by PFBC to occur within range of the project; Updated to reflect updated route
October 31, 2016	AECOM Consultation Request	Large Project Pennsylvania Natural Diversity Inventory (PNDI) review update request for staging areas, access roads, compressor station
April 19, 2018	AECOM Consultation Update	AECOM submitted an AT/PPL timber rattlesnake habitat assessment and presence/absence survey report (available on request), a figure illustrating avoidance of impacts to timber

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		rattlesnake denning habitat, and a summary and shapefile of the updated consultation area, including the newly proposed AT/PPL alternative and Blue Mountain Lateral.
May 17, 2018	PFBC Consultation Response	PFBC requested additional surveys for eastern redbelly turtle and northern cricket frog, additional information regarding access roads near timber rattlesnake habitat.
August 31, 2018	AECOM Data Transmission	AECOM provided memos and a cover letter addressing proposed trenched and trenchless crossing methodologies for bog turtle wetlands identified in Northampton and Carbon counties, respectively. This was concurrently provided to USFWS.
September 13, 2018	AECOM Consultation Update	AECOM submitted a northern cricket frog survey report, eastern redbelly turtle survey report, demonstrated access road plans near rattlesnake habitat, and reported incidental observation of a timber rattlesnake during wetland surveys.
October 11, 2018	PFBC Consultation Response	PFBC concurred with technical reports, and concluded that environmental review is complete for all species and areas except for bog turtles on the proposed Appalachian Trail PPL Realignment modification.
February 4, 2019	AECOM Email	AECOM informed the PFBC of their amendment application with FERC. AECOM reminded PFBC that the changes which had been filed with FERC were included in the consultation update letters previously provided on April 17, 2018 and September 13, 2018.
March 26, 2019	PFBC Meeting Request	PFBC requested to meet with PennEast representatives to review several points of interest related to the PADEP Chapter 105 JPA process
April 5, 2019	AECOM Data Response	AECOM resubmitted the crossing plans which had originally been submitted August 31, 2018 and which was included in the JPA application (Appendix G). AECOM also provided copies of clarifying emails sent to the USFWS. These were submitted to answer some of the questions in the PFBC's March 26, 2019 email.
April 9, 2019	Conference Call	Representatives of the PFBC, USFWS AECOM, and PennEast discussed bog turtle wetland crossings, construction schedules, and potential mitigation measures. USFWS then left the call, and

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		PFBC discussed their remaining questions regarding the PADEP application with the PennEast team.
April 11, 2019	PFBC Email	Follow up on the April 9, 2019 conference call; PFBC requested copies of survey documentation and reports generated for the Northampton bog turtle site.
April 12, 2019	PFBC Email	The PFBC confirmed AECOM's meeting minutes for the April 9, 2019 conference call. The PFBC also expressed confidence that the measures PennEast proposed for stabilizing steep slopes during construction would be "beneficial to the overall goal of avoiding and minimizing aquatic impacts."
April 15, 2019	AECOM Data Response	AECOM provided copies of survey reports pertaining to the Northampton County bog turtle population to the PFBC.
May 9, 2019	Site Visit	AECOM and PennEast joined PFBC and USFWS at the Project area to look at bog turtle wetlands in Northampton and Carbon County, and to discuss construction techniques, workspace requirements, and additional data requests.
May 20, 2019	PFBC Email	The PFBC requested that PennEast prepare a state-level Biological Assessment which addresses the Northampton County bog turtle site. This BA will be used to develop a site-specific Special Take Permit for activities which may impact the population.
June 10, 2019	Conference Call	Representatives of the PFBC, USFWS, AECOM, and PennEast discussed the need for a Special Take Permit, contents of the Biological Assessment, and mitigation options for the Northampton County site.
June 28, 2019	Conference Call	Representatives of the PFBC, USFWS, AECOM, PennEast, and Skelly & Loy discussed potential mitigation options at the Northampton County bog turtle site.
July 18, 2019	AECOM Data Submission	AECOM provided the PFBC their applicant-prepared, state-level Biological Assessment for the Northampton County bog turtle site. USFWS was included on this transmission to keep them informed of progress.
September 23, 2019	AECOM Data Submission	AECOM included the PFBC on their submission of 2019 bog turtle survey reports to the USFWS.

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October 11, 2019	AECOM Route Update	Provided mapping and preliminary environmental review for a minor workspace adjustment proposed in Pinchot State Forest at the request of PADCNR Right-of-Way Administration Office.
October 17, 2019	PFBC Consultation Response	The PFBC confirmed that they will not require additional surveys for the Pinchot State Forest reroute.
November 22, 2019	PFBC Permit Issuance	The PGC issued PennEast a Special Take Permit for potential bog turtle impacts in Northampton County, PA.
January 23, 2020	AECOM Project Update	Provided mapping and description of the proposed Church Road Interconnects and requested agency review.
January 30, 2020	PFBC Consultation Response	The PFBC confirmed that no new surveys will be requested for the Church Road Interconnects, and no impacts are anticipated to species under the jurisdiction of the PFBC.
PENNSYLVANIA GAME COMMISSION (PGC)		
August 12, 2014	AECOM Consultation Request	Project Review for rare, candidate, threatened, and endangered species request
September 22, 2014	PGC Consultation Response	Species determined by PGC to occur within range of the project
September 24, 2014	PGC Consultation Response	Species determined by PGC to occur within range of the project, updated to account for mistake in 1 st edition; included Allegheny woodrat biology and survey methods attachment
October 24, 2014	AECOM Project Update	Route Update
December 17, 2014	PGC Consultation Response	Species determined by PGC to occur within range of the project; revised to reflect route changes
January 14, 2015	AECOM Project Update	Route Update
January 28, 2015	PGC Consultation Response	Species determined by PGC to occur within range of the project; Revised to reflect route changes
March 30, 2015	AECOM Project Update	Route Update
May 5, 2015	PGC Consultation Response	Species determined by PGC to occur within range of the project; Revised to reflect route changes
May 15, 2015	PGC Consultation Response	Changes to Bat Survey Protocols in Pennsylvania; (Available upon request)

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July 24, 2015	AECOM Project Update	Route Update
August 13, 2015	PGC Consultation Response	Species determined by PGC to occur within range of the project; Revised to reflect route changes
October 7, 2015	AECOM Technical Reports	Provided Eastern small-footed bat and Allegheny Woodrat technical reports
October 26, 2015	PGC Consultation Response	Species determined by PGC to occur within range of the project; Revised to reflect route changes
November 10, 2015	AECOM Technical Reports	Provided technical report supplements
December 17, 2015	AECOM Project Update	Route Update
February 23, 2016	AECOM Project Update	Route Update
September 26, 2016	AECOM Project Update	Route Update
October 31, 2016	AECOM Consultation Request	Large Project Pennsylvania Natural Diversity Inventory (PNDI) review update request for staging areas, access roads, compressor station
November 03, 2016	PGC Consultation Response	Species determined by PGC to occur within range of the project; Updated to reflect updated route
April 19, 2018	AECOM Consultation Update	AECOM submitted a northern flying squirrel impact minimization plan, AT/PPL bat mist netting report, AT/PPL eastern small-footed bat habitat and emergence survey report, AT/PPL Allegheny woodrat habitat survey report, and a summary and shapefile of the updated consultation area, including the newly proposed AT/PPL alternative and Blue Mountain Lateral. Reports available on request.
June 25, 2018	PGC Consultation Response	PGC provided questions and comments regarding AECOM's April 19th update letter, and requested clarification prior to issuing an official PNDI response
September 5, 2018	PGC Meeting	AECOM, PennEast, and PGC met to review the PGC's questions and comments, committed to providing a response package with requested information and materials
October 19, 2018	AECOM Consultation Update	AECOM provided the materials and information requested by PGC at the September 5 th meeting, including several species survey

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		reports, digital maps, revised northern flying squirrel plan, and figures.
November 2, 2018	Email Correspondence	PGC requested clarification on some of the materials submitted October 19, 2018
November 9, 2018	Email Correspondence	AECOM provided answers to the PGC's November 2, 2018 questions as well as an updated copy of the revised northern flying squirrel plan
December 10, 2018	Email Correspondence	AECOM updated the PGC regarding survey permissions and PADEP permit application status, and asked whether the PGC had any questions or comments on the Northern Flying Squirrel Plan.
January 9, 2019	PGC Consultation Response	PGC provided their final recommendations and guidance in a clearance letter. This letter included two options for remaining eastern small-footed bat habitat – either complete Phase 2 Surveys, or assume presence and mitigate following PGC guidelines.
June 10, 2019	Email Correspondence	AECOM provided a study plan to PGC for Phase 2 emergence surveys on remaining eastern small-footed bat habitat.
June 11, 2019	Email Correspondence	PGC approved AECOM's study plan.
September 23, 2019	AECOM Data Submission	AECOM submitted their 2019 eastern small-footed bat phase 2 survey report.
October 11, 2019	AECOM Route Update	Provided mapping and preliminary environmental review for a minor workspace adjustment proposed in Pinchot State Forest at the request of PADCNR Right-of-Way Administration Office.
October 29, 2019	PGC Consultation Response	The PGC confirmed that no new surveys were needed based on the proposed workspace adjustment in Pinchot State Forest. The PGC also requested information about PennEast's proposed conservation measures for bats.
October 29, 2019	PGC Email	The PGC requested confirmation regarding blasting within ¼ mile of bat hibernacula.
November 6, 2019	AECOM Email Response	Provided the PGC with a list of commitments regarding tree clearing seasons and blasting (no blasting within ¼ mile of the hibernacula in question).
January 23, 2020	AECOM Project Update	Provided mapping and description of the proposed Church Road Interconnects and requested agency review.

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February 27, 2020	PGC Consultation Response	The PGC confirmed that no new surveys will be requested for the Church Road Interconnects, and no impacts are anticipated to species under PGC jurisdiction.
March 3, 2020	AECOM Email Correspondence	Requested updated PNDI letter to address the 2019 eastern small-footed bat phase 2 survey report and the Church Road Interconnects.
March 10, 2020	PGC Consultation Response	The PGC provided an updated PNDI letter which included the 2019 eastern small-footed bat survey results and the Church Road Interconnects.
U.S. FISH AND WILDLIFE SERVICE – PENNSYLVANIA OFFICE		
August 12, 2014	AECOM Consultation Request	Project Review for rare, candidate, threatened, and endangered species request
September 30, 2014	USFWS Consultation Response	Species determined by USFWS to occur within range of the project
October 24, 2014	AECOM Project Update	Route Update
January 14, 2015	AECOM Project Update	Route Update
March 30, 2015	AECOM Project Update	Route Update
July 1, 2015	USFW Consultation Response	Species information following listing of northern long-eared bat as federally threatened
July 24, 2015	AECOM Project Update	Route Update
October 7, 2015	AECOM Project Update	Route Update, technical reports for bats, northeastern bulrush, and bog turtle
December 17, 2015	AECOM Project Update	Route Update
February 23, 2016	AECOM Project Update	Route Update
September 26, 2016	AECOM Project Update	Route Update
October 31, 2016	AECOM Project Update	Route Update, additional consultation
October 31, 2017	AECOM Project Update	Technical reports – northeastern bulrush

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November 3, 2017	AECOM Project Update	Technical report – fall portal bat survey (winter hibernacula)
November 28, 2017	USFWS Opinion	USFWS issued a Biological Opinion for the Project
April 19, 2018	AECOM Consultation Update	Route update and technical report – bat surveys
August 31, 2018	AECOM Data Submission	AECOM submitted plans to USFWS for the proposed crossing methodologies at bog turtle wetlands
October 10, 2018	Email Correspondence	USFWS concurred that AECOM’s plans for crossing bog turtle wetlands are consistent with the November 2017 Opinion
October 31, 2018	Email Correspondence	Update regarding schedule of potential re-initiation and permit applications
February 12, 2019	Email and Hardcopy Correspondence	PennEast provided the USFWS with an update on survey progress and results for federally-listed species, including survey reports, tracking spreadsheets, and copies of the Amendment Application and Initial Implementation Plans sent to FERC.
April 4, 2019	Email Correspondence	AECOM provided the USFWS with requested shapefiles of the revised ROW and centerline.
April 15, 2019	Email Correspondence	AECOM provided data to the PFBC regarding population data for the Northampton County bog turtle site and included USFWS in the discussion to determine whether any other historic data was available.
May 9, 2019	Site Visit	AECOM and PennEast joined PFBC and USFWS at the Project area to look at bog turtle wetlands in Northampton and Carbon County, and to discuss construction techniques, workspace requirements, and additional data requests.
May 10, 2019	AECOM Data Submission	AECOM provided the USFWS with shapefiles to facilitate their review of mist net survey coverage to respond to a FERC data request
May 21, 2019	AECOM Data Submission	AECOM provided the USFWS with additional mapping to facilitate their review of mist net survey coverage.
May 22, 2019	Email Correspondence	USFWS confirmed that the proposed Amendments had been adequately surveyed with mist net sites, providing documentation for the FERC data request.

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June 10, 2019	Conference Call	Representatives of the PFBC, USFWS, AECOM, and PennEast discussed the need for a Special Take Permit, contents of the Biological Assessment, and mitigation options for the Northampton County site.
June 28, 2019	Conference Call	Representatives of the PFBC, USFWS, AECOM, PennEast, and Skelly & Loy discussed potential mitigation options at the Northampton County bog turtle site.
July 18, 2019	AECOM Data Submission	AECOM provided the PFBC their applicant-prepared, state-level Biological Assessment for the Northampton County bog turtle site. USFWS was included on this transmission to keep them informed of progress.
July 29, 2019	USFWS Opinion	The USFWS issued an amended Biological Opinion along with a cover letter addressing informal consultation on a number of species.
September 23, 2019	AECOM Data Submission	AECOM provided the USFWS with copies of their 2019 bog turtle and northeastern bulrush survey reports for Pennsylvania.
October 11, 2019	AECOM Route Update	Provided mapping and preliminary environmental review for a minor workspace adjustment proposed in Pinchot State Forest at the request of PADCNR Right-of-Way Administration Office.
January 23, 2020	AECOM Project Update	Provided mapping and description of the proposed Church Road Interconnects and requested agency review.
March 5, 2020	USFWS Consultation Response	The USFWS confirmed that no new impacts to federal species are anticipated beyond those already addressed in the BO.