

PennEast Pipeline Company, LLC
One Meridian Boulevard, Suite 2C01
Wyomissing, PA 19610



August 11, 2015

Ms. Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First Street, NE
Washington, DC 20426

Re: PennEast Pipeline Company, LLC, Docket No. PF15-1-000
Monthly Progress Report

Dear Ms. Bose:

On October 10, 2014, the Director of the Office of Energy Projects issued a letter in the above-referenced docket approving the request of PennEast Pipeline Company, LLC (“PennEast”) to commence the Federal Energy Regulatory Commission’s (“Commission”) Pre-filing Review Process of its proposed PennEast Pipeline Project (“Project”). Pursuant to Section 157.21(f)(6) of the Commission’s regulations,¹ PennEast herewith submits its monthly progress report for the Project for the period July 1 through July 31, 2015 (“Reporting Period”).

Should you have any questions concerning this request, please contact me at (610) 406-4322.

Sincerely,

/s/ Anthony C. Cox

Anthony C. Cox
PennEast Pipeline Company, LLC,
By its Project Manager
UGI Energy Services, LLC

cc: Medha Kochhar (FERC)

¹ 18 C.F.R. § 157.21(f)(6) (2014).

¹ 18 C.F.R. § 388.112 (2014).

Introduction

By letter order dated October 10, 2014, PennEast Pipeline Company, LLC (“PennEast”) was granted approval by the Federal Energy Regulatory Commission (“FERC” or the “Commission”) to utilize the Commission’s Pre-Filing Review Process for the proposed PennEast Pipeline Project (“Project”). The Project is designed to provide a direct and flexible path for transporting natural gas produced in the Marcellus Shale production region in eastern Pennsylvania and growing natural gas markets in Eastern and Southeastern Pennsylvania, New Jersey and surrounding states. The Project facilities include a 36-inch diameter, 113.8-mile pipeline, extending from Luzerne County, Pennsylvania, to Mercer County, New Jersey, a 2.1-mile 24-inch lateral (Hellertown Lateral), a 0.3-mile 12-inch lateral (Gilbert Lateral), and a 1.4-mile 36-inch lateral (Lambertville Lateral). The Project has a target in-service date of November 1, 2017. The Project has been assigned Docket No. PF15-1-000.

This Monthly Progress Report provides a brief summary of significant Project activities or changes in Project information that have occurred during the period beginning July 1 through July 31, 2015.

Field Surveys

- Approximately 70.6 miles of the 114 miles of the mainline and laterals are available for survey activities.
 - Approximately 66.7 miles of biological survey have been completed.
 - Approximately 71.5 miles* of cultural resources have been surveyed.
- * Additional areas surveyed with permission prior to permission being rescinded.

Alignment Drawings

- An updated set of USGS topographic maps were filed with the Commission and copies, including shapefiles, were provided to TetraTech, on July 22, 2015. The updated set of maps and shapefiles reflect the Project’s new, proposed route based on input from stakeholders as of July 22, 2015.
- The PennEast website was updated on July 22, 2015 with a new interactive map, new critical issues map and updated alternative maps, along with a description of the proposed route.

Resource Reports

- Draft Environmental Resource Reports 1 (Project Description) and 10 (Alternatives) were filed on November 10, 2014 in accordance with Pre-filing Procedures, 18 C.F.R. § 157.21(f)(5), and were refiled on January 27, 2015 at FERC Staff’s request to remove certain sensitive cultural resources information from draft Resource Report 10.
- PennEast received FERC Staff’s comments on Resource Reports 1 and 10 and scoping comments, and addressed these comments in PennEast’s Draft Resource Reports 1 - 12.

- Draft Environmental Resource Reports 1 – 12 and associated Appendices were filed in a staggered approach in accordance with FERC request during the time period of April 16 through April 30, 2015 in accordance with Pre-filing Procedures, 18 C.F.R. § 157.21(f)(5).
- A revised Table 6.3-1 from Resource Report 6 was filed on May 8, 2015 in response to a stakeholder comment.
- FERC Staff provided comments to Resource Reports 1, 2, 3, 9, and 11 on May 19, 2015 and comments to Resource Reports 4, 5, 6, 7, 8, and 10 on May 29, 2015.
- PennEast participated in calls with FERC Staff to discuss these comments, and it was agreed that PennEast would provide a supplemental draft of Resource Reports 1, 8, 9 and 10 that addressed the comments filed on these reports. In addition, it was agreed that FERC Staff would work to provide comments on these supplemental drafts as quickly as possible so that the overall Project schedule could be maintained.
- PennEast filed a revised draft of Resource Reports 1, 8, 9 and 10 and Appendices A, F, L and P on July 31, 2015

Agency Contacts

- PennEast sent initial consultation letters to federal and state agencies on August 12, 2014. On October 24, 2014, PennEast followed up with several agencies informing them of the FERC Pre-Filing Review Process, inviting them to Open Houses and giving them updates on the route alignment. Updated shapefiles and Project information regarding the then-preferred route were sent to all corresponding agencies on January 14 and March 30.
- Updated shapefiles and Project information regarding the New Preferred Alternative route were sent to all corresponding agencies. In addition, mailings are underway to each of the Townships.
- On July 24, 2015 updated shapefiles and Project information regarding the new proposed route were sent to all corresponding agencies and to each of the 29 Townships.
- The following table summarizes Environmental Meetings and Conference Calls held during the reporting period. Meeting minutes are attached to this report.

Date	Meeting/Conference Call
July 2, 2015	NJ DEP
July 13, 2015	PA DEP; USACE Philadelphia District; USACE Baltimore District; Bucks County Conservation District; Carbon County Conservation District; Luzerne Conservation District; and DRBC
July 16, 2015	USACE Philadelphia District and Beltzville Lake
July 18, 2015	PA Game Commission

July 20, 2015	PennDOT
July 21, 2015	PA Game Commission

Routing/Scope Update

- During the month of July there were three major changes to the Project route, including:
 - Addition of an Interconnect at Blue Mountain and modifications to the Appalachian Trail crossing
 - Modifications at the Popple Quarry, and
 - Modifications to reduce impacts at Locketong Creek and sensitive resources by the solar fields near Frenchtown, Kingwood Township, NJ.
- These modifications were submitted to FERC Staff with updated draft Resource Reports 1, 8, 9 and 10 on July 31, 2015. A number of minor adjustments were also made to address landowner requests and mitigate cultural resources.
- Additional data was acquired from landowners regarding potential route adjustments. These will be analyzed during the month of August.

Stakeholder Activities:

New Stakeholders Identified

- A total of 12 stakeholders were identified as part of the three changes to the Project route during the month of July. In addition, the changes involve two new municipalities; Laflin Borough in Luzerne County and Lehigh Township in Northampton County.

Open Houses

- No Open Houses were held in July.
- One new landowner informational meeting was held in Pennsylvania with Hickory Run Home Owners Association on July 12, 2015.

Scoping Comments

- PennEast carefully tracked and downloaded the approximately 1,400 letters and associated 3,400 public scoping comments. PennEast prepared and posted an updated document to eLibrary on April 27, 2015 to provide an updated response to FSL 32, FSL 33, LO 16 and OSH 10.
- Additional comments filed in July have been tracked and a table summarizing these comments and preliminary responses is appended to this monthly report.
- PennEast incorporated comments into plans and draft Resource Reports where appropriate.

- A seismic hazard evaluation was conducted identifying minimal to negligible risks to the Project facilities and the critical findings were included in Draft Resource Report 6. Additional recommendations for further field studies to assess soil liquefaction risks pursuant to the study's findings are currently being evaluated and will be conducted in the coming months.
- A quarry blasting study is underway to evaluate two active quarry sites in PA and NJ to determine if the quarry activities pose any significant risk to the proposed Project facilities. The results of this analysis will be included in the final Resource Report 6 that will be filed with the formal certificate application.
- A geophysics study is underway to evaluate subsurface conditions where ground subsidence associated with karst conditions exist and where potential sinkhole risks may develop around the proposed facilities. The results of this analysis will be included in the final Resource Report 6 that will be filed with the formal certificate application.

Stakeholder Meetings

- PennEast representatives met with the following stakeholders (other than Agencies) during the reporting period:

Date	Meeting/Conference Call
7/16/2015	Kingwood Township Meeting; Honorable Richard Dodds (Mayor, Kingwood Township), Debbie Kratzer (Environmental Committee Chair), Maureen Syrnick (Planning Board Chair)

Other Pre-Filing Meetings/Activities

- PennEast met with Trout Unlimited on August 4, 2015
- The biweekly teleconference meetings with FERC Staff for the PennEast Project began on October 16, 2014. The next call is scheduled for August 19, 2015.

Project Filings and Schedule Update

Project Filings During the Reporting Period

- There were three filings during the Reporting Period:
 - Monthly Report on June activities on July 9, 2015
 - Update on Route Modifications on July 22, 2015
 - Supplemental Draft Resource Reports 1, 8, 9 and 10 on July 31, 2015.

Schedule Update

PennEast is working to update the schedule to reflect the planned submission of its formal application in September 2015.

Next Monthly Report

- The next progress report will cover the period beginning August 1 through August 31, 2015.

Table 1: Environmental Agency Contacts

Agency	Contact Information	Contact Status
FEDERAL		
U.S. Fish and Wildlife Service – PA Field Office	U.S. Fish and Wildlife Service Pennsylvania Field Office 315 South Allen Street, Suite 322 State College, PA 16801 Project POC: Kayla Easler Phone: 814-234-4090 email: kayla_easler@fws.gov	Initial Consultation letter sent 8/12/2014. Initial coordination meeting held 10/29/14. Updated route materials sent 7/24/15. RTE survey meeting held 4/22/15. USFWS Project No. 20141013.
U.S. Fish and Wildlife Service – NJ Field Office	U.S. Fish and Wildlife Service New Jersey Field Office 927 N. Main Street, Building D Pleasantville, NJ 08232 Project POC: Jeremy Markuson Phone: 609-646-9310 email: jeremy_markuson@fws.gov	Initial consultation letter sent 8/12/2014. Consultation discussions held with Project POC. Updated route materials sent 7/24/15. RTE survey meeting held 4/23/15.
U.S Department of Commerce National Oceanic and Atmospheric Administration National Marines Fisheries Service (NMFS)	National Marine Fisheries Service 55 Great Republic Drive Gloucester, MA 01931 Reviewing Biologist: Karen Greene Phone: 978-281-9200 email: karen.greene@noaa.gov	Initial Consultation letter sent 8/12/2014. Official response received 9/18/2014 stating no TE species under NMFS jurisdiction known to occur in Project area. Updated route materials sent 7/24/15.
U.S. Army Corps of Engineers – Baltimore District	U.S. Army Corps of Engineers Regulatory Branch 1631 South Atherton Street, Suite 101 State College, PA 16801 Phone: 814-235-0572	Initial Consultation letter sent 8/12/2014. Baltimore District working through Philadelphia District. Joint meeting 7/13/2015 and 408 meeting 7/16/2015. Updated route materials sent 7/24/2015.
U.S. Army Corps of Engineers – Philadelphia District	U.S. Army Corps of Engineers Regulatory Branch 100 Penn Square East Wanamaker Building Philadelphia, PA 19107 Project POC: Glenn Weitknecht Phone: 215-656-6725 email: Glenn.R.Weitknecht@usace.army.mil	Initial Consultation letter sent 8/12/2014. Coordination meetings held 10/30/14 and 12/2/14. Updated route materials sent 7/24/15. Pre-application meeting scheduled 7/16/15. Joint meeting 7/13/2015 and 408 meeting 7/16/2015. Updated route materials sent 7/24/15

Table 1: Environmental Agency Contacts

Agency	Contact Information	Contact Status
U.S. Army Corps of Engineers – New York District	U.S. Army Corps of Engineers Regulatory Branch 26 Federal Plaza, Room 1937 New York, NY 10278 Phone: 917-790-8511	Initial Consultation letter sent 8/12/2014. New York District working through Philadelphia District.
National Park Service	National Park Service Renewable Energy Specialist 15 State Street Boston, MA 02109 Project POC: Mary Krueger Phone: 617-223-5066 email: Mary_C_Krueger@nps.gov	Initial Consultation letter sent 8/12/2014. Introductory meeting with National Wild and Scenic Rivers PA Board held on 10/1/2014. Updated route materials sent 7/24/15.
U.S. Environmental Protection Agency Region 2	290 Broadway New York, New York 10007-1866 Project POC: Stephanie Lamster and Lingaard Knutsen Phone: 877-251-4575 email: Knutson.Lingard@epa.gov	Initial Consultation letter sent 12/3/14. Updated route materials sent 7/24/15.
U.S. Environmental Protection Agency Region 3	1650 Arch Street Philadelphia, PA 19103 Project POC: Thomas G.S. UyBarreta and Barbara Rudnick Phone: 215-814-2953 email: uybarreta.thomas@epa.gov	Initial Consultation letter sent 12/3/14. Updated route materials sent 7/24/15.
USDA Natural Resources Conservation Service	220 Davidson Ave., 4 th floor Somerset, NJ 08873 Project POC: Carrie Mosley Phone: 732-537-6041 email: carrie.mosley@nj.usda.gov	Initial coordination meeting held 3/18/15. Updated materials sent 7/24/15. Joint agriculture community meeting held 6/2/15.

PENNSYLVANIA

Table 1: Environmental Agency Contacts

Agency	Contact Information	Contact Status
PADEP (Northeast Regional Office)	DEP Northeast Regional Office 2 Public Square Wilkes Barre, PA 18701 Project POC: Joseph J. Buczynski Phone: 570-826-2511 email: jbczynski@pa.gov	Initial Consultation letter sent 8/12/2014. Coordination meeting held 11/19/14. Updated route materials sent 7/24/15. Meeting with Bureau of Abandoned Mine Reclamation held 2/23/15. Pre-application meeting 7/13/15.
PADEP (Southeast Regional Office)	DEP Southeast Regional Office 2 E. Main Street Norristown, PA 19401 Project POC: Domenic Rocco Phone: 484-250-5900 email: drocco@pa.gov	Initial Consultation letter sent 8/12/2014. Coordination meeting held 11/19/14. Updated route materials sent 7/24/15. Pre-application meeting 7/13/15.
PA Game Commission (PAGC)	Pennsylvania Game Commission 2001 Elmerton Avenue Harrisburg, PA 17110 Project POC: John Taucher Phone: 717-787-4250 email: jotaucher@pa.gov	Initial Consultation letter sent 8/12/2014. Specific TE species data shared and being evaluated. Consultation meeting held 9/25/2014. Special Use Permit for PGC land survey access issued 2/2015. Updated route materials sent 7/24/15. Appalachian Trail meeting held 5/21/15. Appalachian Trail meetings July 18 and 21, 2015.
PA Fish and Boat Commission (PAFBC)	PA Fish and Boat Commission 450 Robinson Land Bellefonte, PA 16823 Project POC: Greg Lech Phone: 570-477-3985 email: glech@pa.gov	Initial Consultation letter sent 8/12/2014. Coordination meetings held 11/4/14 and 11/24/14. Updated route materials sent 7/24/15. Appalachian Trail meeting held 5/21/15.

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Agency	Contact Information	Contact Status
PA Department of Conservation and Natural Resources (PADCNR)	Department of Conservation and Natural Resources Bureau of Forestry, Ecological Services Section 400 Market Street, PO Box 8552 Harrisburg, PA 17105 Project POC: David Mong Phone: 717-783-7947 email: damong@pa.gov	Initial Consultation letter sent 8/12/2014. Coordination meetings held 11/4/14 and 11/24/14. Updated route materials sent 7/24/15. Pre-Survey meeting held 3/18/15. Certificate to Survey PA State Park lands issued 4/8/15.
Pennsylvania Historical and Museum Commission (PAHMC)	Pennsylvania Historical and Museum Commission State Museum Building 300 North Street Harrisburg, PA 17120 Phone: 717-787-3362 Project POC: Mark Shaffer email: mshaffer@pa.gov	Initial Consultation letter sent 8/12/2014. Consultations ongoing. Updated route materials sent 7/24/15.
NEW JERSEY		
NJDEP	State of New Jersey Department of Environmental Protection P.O. Box 402 Trenton, NJ 08625 Project POC: Ruth Foster Phone: 609-292-3600 email: Ruth.Foster@dep.nj.gov	Initial Consultation letter sent 8/12/2014. Initial coordination meeting held 9/23/2014. Interagency coordination meeting held 12/2/14. Coordination meeting held with Natural and Historic Resources 3/31/15. Pre-application meeting held 7/2/15. Updated route materials sent 7/24/15. Biweekly calls are now occurring with PS&S..

Table 1: Environmental Agency Contacts

Agency	Contact Information	Contact Status
NJ State Historic Preservation Office (NJSHPO)	State of New Jersey Department of Environmental Protection Historic Preservation Office P.O. Box 402 Trenton, NJ 08625 Project POC: Jesse West-Rosenthal Phone: 609-984-0176 email: jesse.west-rosenthal@dep.nj.gov	Initial Consultation letter sent 8/19/2014. Initial consultation meeting held 9/16/2014. Coordination meeting held 9/23/2014. Interagency coordination meeting held 12/2/14. Revised work plan approved 2/18/15. Updated route materials sent 7/24/15.
NJ State Agriculture Development Committee	State Agriculture Development Committee State Health and Agriculture Building 369 S. Warren Street Trenton, NJ 08625 Project POC: Tim Brill Phone: 609-984-2504 email: timothy.brill@ag.state.nj.us	Introductory meeting held 9/12/2014. Interagency coordination meeting held 12/2/14. Joint agriculture community meeting held 6/2/15. Updated route materials sent 7/24/15.
LOCAL		
Luzerne Conservation District	325 Smiths Pond Road Shavertown, PA 18078 Phone: 570-674-7991	Initial Consultation letter sent 8/21/2014. Joint meeting July 13, 2015. Updated route materials sent 7/24/15.
Carbon County Conservation District	5664 Interchange Road Lehigh, PA 18235 Phone: 610-377-4894	Initial Consultation letter sent 8/21/2014. Joint meeting July 13, 2015. Updated route materials sent 7/24/15.
Northampton County Conservation District	14 Gracedale Ave. – Greystone Building Nazareth, PA 18064 Phone: 610-746-1980	Initial Consultation letter sent 8/21/2014 Updated route materials sent 7/24/15..
Bucks County Conservation District	1456 Ferry Road, Suite 704 Doylestown, PA 08901 Phone: 215-345-7577	Initial Consultation letter sent 8/21/2014. Joint meeting July 13, 2015 Updated route materials sent 7/24/15..
Hunterdon County Conservation District	687 Pittstown Road Frenchtown, NJ 08825 Phone: 908-788-0795	Initial Consultation letter sent 8/21/2014 Updated route materials sent 7/24/15..
Mercer County Conservation District	508 Hughes Drive Hamilton Square, NJ 08690 Phone: 609-586-9603	Initial Consultation letter sent 8/21/2014. Updated route materials sent 7/24/15.

Table 1: Environmental Agency Contacts

Agency	Contact Information	Contact Status
Delaware River Basin Commission (DRBC)	Delaware River Basin Commission 25 State Police Drive P.O. Box 7360 West Trenton, NJ 08628 Project POC: Pam Bush Phone: 609-477-7203	Initial Consultation letter sent 8/21/2014. Introductory meeting held 9/3/2014. Interagency coordination meeting held 5/12/15. Joint meeting 7/13/2015. Updated route materials sent 7/24/15.
Susquehanna River Basin Commission (SRBC)	4423 N. Front Street Harrisburg, PA 17110 Phone: 717-238-0423	Initial Consultation letter sent 8/21/2014. Coordination meeting held 11/5/14. Updated route materials sent 7/24/15.

Overview of Issues Posted To the Docket In July, 2015

Issue	Preliminary Response	Resource Report and/or Appendices where Issue will be addressed in Filing
Supportive comments, letters and postcards	While PennEast certainly is responsible for educating the public on the tremendous benefits that the Project will offer, it cannot control comments submitted to FERC. PennEast is unaware of any submissions that were not submitted at the free will of the individual submitting the comments, regardless of their employment or affiliation.	Resource Report 1 and Appendix G
Purpose and need	PennEast provided an updated purpose and need section in revised Resource Report 1 filed on July 31, 2015.	Resource Report 1
Concerns about non-public meetings with public officials	PennEast is committed to keeping public officials and agencies informed about project updates and facts. PennEast's meetings with public officials and regulatory agencies to date have involved consultations designed to inform these officials and agencies about the PennEast Project and to consult with the officials and agencies to ensure that applications and other correspondence with officials and agencies provide necessary and relevant information and are otherwise complete. To the extent that formal action is being requested or deliberated in the future, relevant laws regarding open meetings will apply.	N/A
Concerns about Green Pond Marsh	The Project is located approximately 0.5 miles from Green Pond and 0.3 miles from the marsh area located southeast of Farmersville and Green Pond Roads. No impacts would occur to the pond or the surrounding wetlands associated with it. See attached map.	N/A
Proximity to Lower Nazareth Elementary School	The Project is located approximately 0.6 miles from this school, further than the existing Transco pipeline. See attached map.	See attached map
Landowner-specific questions and concerns	PennEast cannot completely answer landowner-specific questions without an active dialog with the individual landowner. A critical component to this is permission to enter the property for environmental survey where this information is gathered. Several comments on the docket suggest that PennEast is missing information that can only be obtained with ground survey and landowner discussion, yet many of these commenters own land where they have denied survey permission and refuse to talk to field representatives.	Resource Report 1

Issue	Preliminary Response	Resource Report and/or Appendices where Issue will be addressed in Filing
Concerns about impacts to Baldpate Mountain Preserve, including Important Bird Areas, bobcats, and northern copperhead. Impacts to shortnose sturgeon, bald eagles, boblinks, and other NJ state-listed species.	<p>Consultations with the U.S. Fish and Wildlife Service and state agencies are currently ongoing relative to rare, threatened and endangered species (including protected birds, reptiles, fish, and mammals), associated habitats and protocols for field surveys. Potential habitats have been mapped from federal and state databases. Where practicable, the pipeline route is being adjusted to avoid protected habitats. Preliminary field surveys are being conducted where access permission has been granted. If it is determined that the pipeline route cannot be adjusted to avoid areas of concern, other avoidance and mitigation measures will be evaluated, such as construction using bores and HDD, timing restrictions and other previously approved techniques and will be addressed through the environmental permitting and FERC Environmental Impact Statement process.</p> <p>Section 3.3 of Resource Report 3 – Fisheries, Vegetation, and Wildlife will evaluate the threatened and endangered species in the Project area and discuss potential impacts and mitigation plans.</p>	Resource Report 3 and supporting survey reports
Impacts to Red-Shouldered Hawk and Red-Headed Woodpecker	<p>PennEast is aware of red-shouldered hawk occurring in suitable habitat in the Project area, including at Kittatinny Ridge in PA and Baldpate Mountain in NJ. PennEast is also aware of red-headed woodpecker occurring in suitable habitat in the Project area, particularly in NJ.</p> <p>Section 3.3 of Resource Report 3 – Fisheries, Vegetation, and Wildlife will evaluate the threatened and endangered species in the Project area and discuss potential impacts and mitigation plans.</p>	Resource Report 3 and supporting survey reports
Concerns about multiple crossings of Lockatong Creek	As part of the Proposed Route issued on July 22, 2015, the creek is now proposed to be crossed only once. See attached map.	See attached map
Impacts to Long-eared Owl and Barred Owl	PennEast is aware of long-eared and barred owl habitat and occurrences in the Project area. Section 3.3 of Resource Report 3 – Fisheries, Vegetation, and Wildlife will evaluate the threatened and endangered species in the Project area and discuss potential impacts and mitigation plans.	Resource Report 3
NJ Conservation Foundation reports primarily related to Lockatong and Wickecheoke Creeks	PennEast has received and is assessing various water quality reports shared by the NJ Conservation Foundation. These reports, which are primarily concerned with Lockatong and Wickecheoke Creeks in Hunterdon County, are being analyzed and incorporated where appropriate into Resource Reports 2 and 3.	Resource Reports 2 and 3.

Issue	Preliminary Response	Resource Report and/or Appendices where Issue will be addressed in Filing
Crossings of Keipers Run and Mud Run; impacts to Mud Run Natural Area and Mud Swamp Natural Area; trout fishing	PennEast is aware of the ecological and recreational significance of Keipers Run, Mud Run and associated designated natural areas. PennEast plans that all minor (<10 feet) and intermediate (10 –100 feet) waterbody crossings will be conducted with dry crossing techniques if water is present at the time of construction. In this way impacts to naturally-reproducing trout streams will be avoided or minimized. PennEast is also consulting with Trout Unlimited to refine and implement Best Management Practices when crossing sensitive trout streams as to minimize impacts to ecological and recreational resources.	Resource Reports 2 and 3
Arsenite in water, blasting through argillite, anti-corrosion electrodes creating galvanic corridor for bacteria to convert to arsenite	PennEast continues to evaluate argillite, arsenite and arsenic concerns associated with construction. The proposed pipeline route goes through parts of Hunterdon and Mercer Counties, where there is naturally-occurring concentrations of arsenic from sulfide minerals that occur in some of the bedrock formations underlying these areas. An evaluation of NJ DEP and other technical assessments will be provided in the FERC filing in September. In addition, a pre and post construction well monitoring plan will be provided.	Resource Report 2 and 6
Concern about AR-045 driveway improvement in Kingwood Township in relation to erosion issues at Copper Creek.	The existing driveway identified as access road AR-045 will be improved to the extent necessary in order to handle the pipeline construction equipment. PennEast will employ safety-oriented BMPs during construction and the appropriate environmental controls will be put in place. In order to minimize impacts to Copper Creek, specialized construction methods will be utilized. These are described in Section 1.5.2 – Resource Report 1.	Resource Report 1 and E&S Plans
Impact to Howell Living History Farm	This farm is not impacted by the current PennEast route. See attached map.	See attached map
Trap Rock Industries quarry expansion plans	The current PennEast route is located approximately 0.75 miles from the Trap Rock Industries quarry in Hunterdon County, NJ. PennEast has been in contact with Trap Rock Industries regarding future quarry expansion plans and is confident that the Project is located in a safe distance from these expansion plans. PennEast has been acquiring blasting and planning data from Trap Rock and is taking this information into account while designing the Project in the safest and most practicable manner.	Resource Reports 1, 6, and 10 See attached map

Issue	Preliminary Response	Resource Report and/or Appendices where Issue will be addressed in Filing
Exacerbated flooding due to pipeline	Waterbody and floodplain crossings for the pipeline will be permitted through and reviewed or approved by the state Department of Environmental Protection (DEP), County Conservation Districts, River Basin Commission, and the U.S. Army Corps of Engineers. The pipeline has been sited to avoid flood protection berms. PennEast will employ BMPs during pipeline construction with the appropriate environmental controls in place. These BMPs will be inspected on a daily basis during construction by environmental inspectors as well as periodically by agency and FERC third-party inspectors.	E&S Plans
Impacts to Sourland Mountain	PennEast acknowledges the ecological significance of areas of the Sourland Mountain region in New Jersey. Efforts are being made during the siting process to avoid potential impacts to undisturbed forests such as those of the Sourland Mountain region. PennEast therefore has co-located the construction ROW adjacent to or in proximity to an existing utility ROW in this area to reduce fragmentation of undisturbed forested areas in the Sourland Mountains region in particular and for over 15.9 miles (42% of the ROW) as a whole in New Jersey.	Resource Reports 3, 8, and 10.
Impact on cultural artifacts of indigenous peoples (a.k.a. Native Americans)	PennEast is working collaboratively with the New Jersey and Pennsylvania State Historic Preservation Offices and has sent letters and mapping to all recognized tribes. In addition, The FERC has also reached out to all recognized tribes. As part of that process, each state will review and approve a plan for unanticipated discoveries of cultural resources. PennEast cannot completely answer landowner-specific questions about potential undocumented resources without survey permission. Several comments on the docket suggest that PennEast is missing information that can only be obtained with ground survey, yet many of these commenters own land where they have denied survey permission.	Resource Report 4
Bethlehem Authority concerns with their reservoirs and pipeline	PennEast continues to evaluate potential impacts to Bethlehem Authority facilities and projects as it pertains to the Project. The Project is in proximity or crosses Bethlehem Authority tunnel/pipeline in 3 areas. The first crossing areas are at Blue Mountain where the tunnel/pipeline is approximately 700 feet deep. The third area is near Wild Creek Reservoir. The pipeline is located over 0.4 miles from the Wild Creek Reservoir Dam. The tunnel/ pipeline is approximately 200 feet deep in this area. See attached maps.	Resource Repots 2, 3, 10 and 11 and attached maps

Issue	Preliminary Response	Resource Report and/or Appendices where Issue will be addressed in Filing
Connected actions, similar actions and cumulative impacts associated with other pipeline projects	<p>PennEast has not identified any actions that satisfy the “connected action” criteria as set forth in the Council on Environmental Quality’s regulations implementing the National Environmental Policy Act. Neither has PennEast identified any similar actions (inclusion of which is in the discretion of FERC) such that the best way to assess adequately the combined impacts of those similar actions or reasonable alternatives is to treat them in a single environmental document.</p> <p>PennEast has identified a number of other past, present, and reasonably foreseeable future actions that it is evaluating for the purpose of determining whether those actions and their effects should be considered in the cumulative impacts analysis for the PennEast Project. PennEast identified these actions in its draft Resource Report 1 filed with the FERC on July 31, 2015. To the extent PennEast identifies actions for evaluation as a cumulative impact or otherwise, this will be reflected in PennEast’s final Resource Reports filed with PennEast’s Certificate Application.</p>	Resource Report 1
Impacts to threatened American Kestrel	<p>PennEast is aware of American kestrels occurring in suitable habitat in the Project area, including at Kittatinny Ridge in PA and Everittstown Grasslands in NJ. Section 3.3 of Resource Report 3 – Fisheries, Vegetation, and Wildlife will evaluate the threatened and endangered species in the Project area and discuss potential impacts and mitigation plans.</p>	Resource Report 3 and supporting survey reports

Issue	Preliminary Response	Resource Report and/or Appendices where Issue will be addressed in Filing
<p>Impacts to Indiana Bat, Wood Rat, Wood Turtle, Northern Harrier, Southern Gray Tree Frog</p>	<p>Consultations with the U.S. Fish and Wildlife Service and state agencies are currently ongoing relative to rare, threatened and endangered species (including protected birds, reptiles, fish, and mammals), associated habitats and protocols for field surveys. Potential habitats have been mapped from federal and state databases. PennEast has been conducting focused surveys in consultation with federal and state agencies for Bats, Allegheny Woodrat, and other species.</p> <p>Where practicable, the pipeline route is being adjusted to avoid protected habitats. Preliminary field surveys are being conducted where access permission has been granted. If it is determined that the pipeline route cannot be adjusted to avoid areas of concern, other avoidance and mitigation measures will be evaluated, such as construction using bores and HDD, timing restrictions and other previously approved techniques and will be addressed through the environmental permitting and FERC Environmental Impact Statement process.</p> <p>Section 3.3 of Resource Report 3 – Fisheries, Vegetation, and Wildlife will evaluate the threatened and endangered species in the Project area and discuss potential impacts and mitigation plans.</p>	<p>Resource Report 3 and supporting survey reports</p>

Issue	Preliminary Response	Resource Report and/or Appendices where Issue will be addressed in Filing
Concerns of trespassing	<p>The PennEast project team and consultants have been conducting various studies and surveys on the approximately 400 parcels along the route for which we have received survey permission, which represents approximately 60 percent of the entire route. PennEast began the FERC pre-file process and environmental surveys late last summer and early fall.</p> <p>The purpose of surveys is to gather relevant facts to aid in pipeline routing and construction planning. PennEast identifies wetlands and streams; cultural and historical resources; property-specific potential conflicts; and in selected areas, collect sub-surface data to identify areas of special concern.</p> <p>PennEast is committed to working within the law and respecting all affected landowners. PennEast and its consultants have been taking great pains to accurately delineate property boundaries as to avoid unauthorized trespass while conducting environmental surveys. The same pains have also been taken while conducting civil survey within publicly-accessible ROWs.</p> <p>PennEast takes all allegations of trespassing and has a zero tolerance policy on trespassing. When provided with detailed reports, PennEast will take corrective action to prevent any unauthorized access of private property.</p>	N/A
Impact to Brook Hollow Farm	<p>In an attempt to increase co-location in New Jersey, the proposed route was adjusted to run alongside an existing powerline through Mercer County. As a result, the southwest corner of the Brook Hollow Farms property is clipped by the 400 ft. study corridor, qualifying it as an "Affected Property". However, the centerline of the proposed pipeline does not cross the property and no direct impacts to the farm are expected at this time. See attached map.</p>	See attached map

Issue	Preliminary Response	Resource Report and/or Appendices where Issue will be addressed in Filing
Impacts to Goat Hill Natural Heritage Priority Site	<p>PennEast is aware of the unique ecological resources found in the Goat Hill Natural Heritage Priority Site and has been conducting focused surveys for rare, threatened, and endangered species in this area in consultation with the USFWS and NJDEP. Efforts are being made during the siting process to avoid potential impacts to undisturbed habitats such as those of the Goat Hill Natural Heritage Priority Site. Where direct impacts cannot be avoided, Best Management Practices and other mitigation techniques developed in consultation with federal, state, and local agencies to minimize those impacts as much as practicable.</p> <p>Following construction of the pipeline, disturbed areas will be stabilized and reseeded in accordance with the seeding recommendations of the local Conservation District or land managing agency. Trees and other woody vegetation will be allowed to re-vegetate naturally within the temporary pipeline construction ROW and extra workspaces. Additionally, PennEast will implement restoration measures in accordance with its agency-approved E&S and Site Restoration Plan.</p> <p>Resource Report 3 – Fisheries, Vegetation, and Wildlife will evaluate vegetation and habitat resources in the Project area and discuss potential impacts and mitigation plans.</p> <p>Resource Report 8 – Land Use, Recreation, and Aesthetics will evaluate various land uses in the Project area including Natural, Recreational, and Scenic Areas and Public or Conservation Land.</p>	Resource Reports 3 and 8. See attached map.
Proximity of Project to South Hunterdon Elementary; proximity to Hewitt Park	<p>Safety is PennEast's highest priority when designing pipelines. PennEast adopts design features and operating practices that meet or exceed stringent industry and regulatory standards. To that end, PennEast has incorporated local and regional stakeholder input and has made a number of reroutes so that the pipeline would be sited at least 0.25 miles from any school in the Project area.</p>	Resource Reports 10 and 11. See attached map.

Issue	Preliminary Response	Resource Report and/or Appendices where Issue will be addressed in Filing
<p>General concerns (in no particular order)</p> <ul style="list-style-type: none"> ○ Safety ○ Water shed impacts ○ Invasive species ○ Property values ○ Drinking water ○ Septic systems ○ Insurance ○ Fracking ○ Eminent domain ○ Forest fragmentation 	<p>Preliminary Responses to these general comments have been addressed in our Response to Scoping Comments Tables</p>	<p>These topics will be addressed in appropriate sections of Resource Reports and Appendices as noted in our Response to Scoping Comments Tables</p>

JULY AGENCY MEETING MINUTES

Meeting Report

Project Name:	PennEast Pipeline Project	Date of Report:	July 6, 2015
Meeting Location	NJDEP Offices	Meeting Date:	July 2, 2015
Participants:	NJDEP - Ruth Foster, David Pepe, Michael Palmquist, Dennis Contois, Chris Squazzo, Richard Langbein, JoDale Legg, John Gray (part-time), Edie Tattersall, Robin Madden, Kevin Appelget, Ginger Kopkash, Jesse West-Rosenthal, Dan Sanders, Patrick Sheppard PennEast		
Distribution:	Ruth Foster, Ginger Kopkash, PennEast Team		

Summary

- PennEast provided an introduction and explained New Jersey permitting consultant's role. PennEast further explained that the purpose of the meeting was to drill down to New Jersey permitting issues, not to discuss the FERC process. PennEast stated that the Pipeline Project would comply with all New Jersey regulations.
- PennEast provided an explanation of the PennEast Pipeline Project purpose and need. Among the items addressed by PennEast were recent natural gas demand increases, loss compression, peak shaving and price spikes in New Jersey. Furthermore, Pennsylvania is the third largest producer of natural gas in the United States and natural gas produced in Pennsylvania is going south through bi-directional pipelines. PennEast indicated that roughly 75% of the natural gas conveyed by the PennEast Pipeline would be used by New Jersey residents and businesses. The other 25% would be consumed by users in Eastern Pennsylvania and New York.
- Ruth Foster stated that there is not a lot of open space or corridors in New Jersey. NJDEP needs to make sure the natural gas conveyed in the PennEast Pipeline is conveyed to New Jersey.
- PennEast stated that Pennsylvania is reviewing the PennEast Pipeline Project through the FERC process and asked if New Jersey would retain their "Intervener Status". PennEast stated that it important to have NJDEP at the table early on to provide their comments. Ruth Foster responded that yes they would and that New Jersey had 30 days to file such after the Certificate of Public Need and Necessity (CPNN) was filed for the project.
- Ginger Kopkash indicated that it was important for NJDEP and PennEast to start the conversation about anticipated project impacts, mitigation, alternative analyses and have a better result as compared to previous pipeline projects where NJDEP essentially had to "inherit" the alignment.
- The Highlands Council jurisdiction was briefly discussed between PennEast, Ruth Foster and Chris Squazzo. PennEast stated that it was PennEast's interpretation of the Highland rules that Highlands would not have independent regulatory review authority. Furthermore, routing through a conforming town in the Highlands Planning Area does not give the town nor the Highlands Council additional regulatory authority. PennEast plans to confirm that a Consistency Determination would not be required. Ruth Foster indicated that NJDEP would take into consideration Highlands Council comments regardless of Consistency Determination requirements.

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- Ruth Foster indicated that DRBC, DRCC and the Highlands Council would be doing concurrent reviews and that NJDEP would be looking for a Gantt Chart depicting all agencies and their approval timeframes. Ruth Foster indicated that although some agencies might have an advisory role, NJDEP would not issue permits/approvals without agency concurrence. Ruth Foster would be looking to meet with these other agencies soon.
- Ginger Kopkash stated that NJDEP and PennEast should work cooperatively to address issues within project timelines. In addition to what Ms. Foster said about the Gantt Chart, Ms. Kopkash indicated that the Gantt Chart should start with pipeline in-service dates and take into account species timing restrictions as utility companies typically do not factor such restrictions into their construction schedules. The preparers of the Gantt Chart should then work backwards from the in-service date and especially address impacted resources located on and access to State-owned lands.
- PennEast provided the status of the pipeline design process and discussed the efforts to co-locate the pipeline with existing utility rights-of-way since January 2015. PennEast provided an estimate of the route in NJ co-located with electric transmission lines. PennEast depicted the areas of co-location visually on the meeting room flat screen using up-to-date aerial photography of the pipeline route. PennEast stated that there have been recent minor tweaks of the route and workspace as part of route reviews for impacted resources. PennEast indicated that the FERC re-filing would likely occur in mid-September 2015 and that the next draft of FERC Resource Report #8 would include details on anticipated workspace. PennEast indicated that PennEast is incorporating comments provided by FERC. PennEast stated that there has been much progress examining and avoiding resources and that this effort may not be evident from the content discussed on bi-weekly FERC conference calls.
- PennEast pointed out that co-location efforts had added three miles to the overall pipeline length and that co-location had likely resulted in greater impacts to resources but less fragmentation of resources. PennEast further stated that co-location was no guarantee that additional trees (within the right-of-way) would not need to be cleared.
- PennEast stated that PennEast was working with PSE&G and JCP&L to resolve engineering issues in an effort to overlap as much as possible, especially from an access road and temporary workspace perspective.
- Using the visual aid aerial photography, PennEast provided an update on access to route parcels. PennEast further stated that, using NJDEP's Dataminer, PennEast had several NJDEP-LURP approvals, including LOIs, among the route parcels and that through the FERC process, PennEast will eventually gain access to all parcels. PennEast then laid out a strategy to move forward with the permit application now using remote sensing for impact assessment where access to parcels had yet to be granted.
- Continuing the access conversation, PennEast provided an update on meetings with the agricultural community and noted that compensation conversations had commenced. PennEast added that typically with pipeline projects, access opens up with negotiations and that securing access is a slow but steadily improving process.
- Using the aerial photography visual aid, PennEast noted that all streams along the route have been identified and that calculation of the drainage areas is complete and calculation of the flood hazard areas has begun. In the DRCC, PennEast noted, a full delineation will be performed but outside DRCC, such tight calculations would likely not be required.
- Ginger Kopkash and Robbin Madden brought up access to state-owned land. Ms. Madden indicated that information requests had been submitted to PennEast and that NJDEP is still

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awaiting this additional information. Ms. Madden indicated that response to NJDEP's information request was delaying issuance of the Special Use Permits. This information is needed to finalize the Special Use Permits, which PennEast has requested to gain access to state-owned lands. PennEast indicated that he would look into the status of this response to information request.

- Ginger Kopkash stated that in order to evaluate impacts, PennEast will need access to all land parcels so that the permit application could be fully vetted by NJDEP. PennEast laid out a strategy whereby an FWW and FHA individual permit application would be submitted to NJDEP that would be technically incomplete but technically competent. According to PennEast, no regulatory clock would be triggered and this would allow NJDEP, with the application fee submitted, to begin to review project details and impacts. PennEast noted that PennEast is examining the project under both current and proposed FHA regulations.
- Ginger Kopkash stated that PennEast could submit an application anytime, however, without 100% property owner authorization, NJDEP typically only keeps an application 60 days before returning it as administratively incomplete. Ms. Kopkash alternatively proposed that PennEast work collaboratively with Chris Squazzo now to review the proposed route and resources impacted. Ms. Kopkash indicated that such collaboration would be extremely valuable to PennEast to assess the route and workspace (in the field and using aerial photography) with respect to impacts to wetlands, flood hazard areas and historical/archaeological resources. Collaboration could also include weekly calls and coordination meetings.
- John Gray, who had joined the meeting at this point, stated that NJDEP had pipeline experience and would be scrutinizing this project closely due to public interest. Mr. Gray indicated that NJDEP was here to solve problems and that PennEast should contact Ruth Foster or him when issues arise. Regarding access, Mr. Gray stated that it would be best for everyone if PennEast continues to get consultants onto properties to accurately identify impacts so that complete data is available. Mr. Gray also asked that prior to PennEast sending any informational mailings, he would appreciate it if PennEast notified NJDEP. Finally, Mr. Gray noted that there was currently proposed legislation that, if passed, would allow natural gas pipelines to be located on preserved farmland but would have to be co-located.
- At this point, again using the visual aid, Natural Lands Trust properties known as Millford Bluffs and Gravel Hill were discussed. It was shown that there is no impact to Millford Bluffs from the project. PennEast then explained alternatives to the route that were examined to avoid impact to the Gravel Hill parcels and why such alternatives had to be excluded from consideration. These alternatives included routes along Route 29, and the rail right-of-way, along existing overhead transmission right-of-way and horizontal directional drilling. Steep slopes, significant elevation changes and rocky soils are among the challenges in the Gravel Hill parcels. PennEast noted that the project would not prohibit the replanting of trees except in the area directly above the pipeline. Kevin Appelget asked if PennEast looked at routing around the Gravel Hill preserve. PennEast that PennEast had looked at this but it to was less desirable due to greater impacts to resources. Robin Madden indicated that NJDEP would require full inventory of resources and that NLT has their own board that must review the project and its mitigation of impacts.
- PennEast provided an update on Green Acres parcels and indicated that a separate meeting would be scheduled shortly to review the project route through Green Acres parcels. PennEast noted that 60-year title searches of Green Acres parcels were in progress.
- Ginger Kopkash stated that NJDEP would commit Chris Squazzo's time to review the route impacts to resources (in the field and using PennEast-compiled aerial photography). This collaborative effort with Mr. Squazzo should also include discussions of proposed mitigation. Ms. Kopkash further stated that NJDEP's collaborative effort should also include an engineer from Dennis Contois group and Michael Palmquist from the Enforcement group. Ms. Kopkash

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stressed that the application must be comprehensive “robust” and well thought out. John Gray stated that PennEast should expect litigation and the scrutiny of all reports that goes along with this litigation.

- Ruth Foster reminded PennEast that there is a 5 acre threshold for EPA review of wetlands loss. PennEast indicated that they anticipate PennEast project to be below that threshold.
- PennEast inquired about the logistics for getting the collaborative effort underway. PennEast was advised to go through Ruth Foster.
- NJDEP representatives from SHPO indicated that this part of the review process may take longer than other parts of the permit/approval process.



PennEast Pipeline Project

MEETING MINUTES

PADEP Northeast Regional Office
2 Public Square, Wilkes-Barre, PA
Date: July 13, 2015

Attendees (see also sign-in sheet):

Ann Roda, PADEP Office of Program Integration Director, Central Office
Neal J. Elko, PADEP Air Quality Program, New Source Review Chief, NERO
Amy Bellanca, Clean Water Program Permits Chief, NERO
Joe Buczynski, PADEP Waterways and Wetlands, Program Manager, NERO
Kevin White, PADEP Waterways and Wetlands Program, Environmental Group Manager, NERO
Bharat Patel, PADEP Waterways and Wetlands Program, Permitting and Technical Services Chief, NERO
Robert Jevin, PADEP Waterways and Wetlands Program, Application Manger, NERO
Don Knorr, PADEP Waterways and Wetlands Program, Water Pollution Biologist Supervisor, SERO
Rhonda Manning, PADEP River Basin Commissions Water Program Specialist
Glenn Withknecht, USACE Philadelphia District
Mike Dombroskie (via phone), USACE Baltimore District
David Kevach, Delaware River Basin Commission
Eric Engle, Delaware River Basin Commission
Morgan Schuster, Bucks County Conservation District
Kristina Maurer, Carbon County Conservation District
Josh Longmore, Luzerne Conservation District
Heather Berlew, Luzerne Conservation District
Alisa Harris, UGI Energy Services – PennEast Pipeline Company
Jeff England, UGI Energy Services – PennEast Pipeline Company
Jon West, AECOM (Deputy Project Manager)
Scott Anderson, AECOM (Air permitting)
Sarah Binckley, AECOM (PA Environmental Permitting Lead)
Keven Koch, Hatch Mott MacDonald – PennEast (Engineering)

Meeting Summary

Project Introduction

- Draft agendas and presentation handouts were distributed to meeting participants.



- PennEast and AECOM provided a Project Overview, including a brief history of reroutes to avoid sensitive areas and address stakeholder input, milestones in the FERC 7c pre-filing process, survey progress and schedule. Highlights include:
 - The project schedule has been reset to incorporate reroutes based on input from landowners and other stakeholders, agency preferences, and environmental surveys. Several major reroutes were made to maximize opportunities to co-locate with existing rights-of-way and minimize impacts to the Appalachian Trail.
 - In Pennsylvania, PennEast has received survey permission on approximately 80% of the pipeline route.
 - Environmental surveys have been completed along the majority of the parcels to which PennEast has access.
 - One compressor station will be sited in an area zoned Light Industrial, and is located adjacent to Interstate 80. The location is backed by the township. PennEast is currently re-evaluating horsepower requirements to meet market demand.

Schedule

- PennEast anticipates submitting the FERC 7c application and required state and federal permit applications concurrently in mid-September.
- In locations where PennEast does not have field-verified data, it intends to use remote sensing data and recent aerial photography to estimate impacts.
- PennEast requests that the PADEP and USACE review the applications for completeness and adequacy based on the portions of the Project that have been field-verified.
- PADEP will review the field-verified impacts in the applications. Recommendations for this approach are discussed under Chapter 105/Section 404/Section 10.

Potential Wetland and Waterbody Impacts

- Timing restrictions will be implemented for wild trout and trout-stocked streams.
- Exceptional Value streams and wetlands will be temporarily impacted, so a Water Obstruction and Encroachment permit in each county will be required.
- PennEast proposed crossing the Susquehanna River using an open cut, dry crossing method.
 - A horizontal directional drill at this location is too risky and would likely result in an inadvertent return of drilling fluid due to the approximately 100 feet of unconsolidated material under the river's bed and the presence of abandoned mines along this reach of the river.
 - The engineering team is currently designing the crossing, but the general approach will be to install a Portadam at the upstream tip of Monocanonck Island, which is located in the center of the river, to divert flow to one side of the river. Bladder dams will be installed adjacent to the pipeline trench for further dewatering. After the pipe is installed under half of the river,



the flow diversion, dewatering, and pipeline installation will be completed on the other half of the river.

Air Permitting – Compressor Station

- PADEP summarized application requirements including the need to submit an Addendum A, a Compliance History Form, and proof of municipal and county notifications.
- The PADEP anticipates comments from opposition groups and individuals.
- A public hearing may be required.
- The Zoning status should be made clear in the permit application (in other words, state if propose use is currently allowed on the parcel as currently zoned, or if a change in zoning, variance(s) or conditional use approvals are required).
- Leak detection and repair (LDAR) program will be required.
- The General Information Form (GIF) submitted with the air permit application should focus on the compressor station only.
- The application review will take approximately 6 months.
- The general conformity analysis will be reviewed by Central Office.
- PADEP advised to review application text to avoid miscommunication.

Hydrostatic Test Discharges

- A new PAG-10 was released in the last couple of weeks, and can be used in watersheds that are not HQ or EV.
- In HQ/EV watersheds, and Individual NPDES permit will be required.
- An Environmental Monitoring Program (EMP) is required for an Individual Permit.
- Individual Permit application review can take less than 6 months, but applicants should not wait until the last minute to submit the applications. PADEP needs adequate review time.

Section 401 Water Quality Certification (WQC)

- Issuance of the Water Obstruction and Encroachment Permit provides 401 WQC for the wetland and stream crossings; however, for FERC projects, an individual 401 WQC is required for the entire project, including uplands.
- PennEast's application can reference the EIS being prepared by the FERC.
- The PADEP can issue a conditional approval.
- Recent examples of 401 WQC approved by the NERO include the Constitution Project and the Leidy Southeast Project. Each would be good examples to follow.
- The review timeframe is generally one year.
- The 401 WQC application can be submitted before the Chapter 105 and 102 applications are submitted.



- If a public hearing is needed, PADEP may be able to hold one hearing that addresses 401, 105, 102, and air permitting concerns, so there may be some benefit in submitting everything simultaneously.

Chapter 105/Section 404/Section 10

- Chapter 105 and 102 reviews will be synchronized and will not necessarily follow the permit decision guarantee timeframes. Technical deficiency letters will be sent simultaneously.
- A separate Joint Permit Application (JPA) must be submitted for each county. 3 will go to NERO, 1 will go to SERO. These applications must be stand-alone applications, with impacts broken down by county.
- PADEP and USACE understand that PennEast will not have completed surveys on 100% of the PA portion of the Project before the JPAs are submitted. As additional information becomes available during the technical review, it should be grouped for submittal.
- PADEP and USACE cannot issue permits on remote-sensed data. Impacts must be field verified. Remote-sensed data will not be reviewed, and it should not be reported in impact tables. It can be submitted as an addendum.
- PADEP can issue a permit for the field-verified data, and additional impacts can be submitted as a minor or major amendment. If major, the application will be in the same format and require the same level of detail as the initial submittal.
- PADEP: Impact tables should follow the Atlantic Sunrise example. USACE: the waters upload table is comprehensive of both programs and should cover all of the information the PADEP needs. [AECOM can send PADEP draft impact tables before the application is submitted for concurrence that it meets PADEP's needs.]
- The USACE would like to begin conducting site visits as soon as possible to confirm the wetland and waterbody delineations, ideally before the JPAs are submitted. AECOM will submit a preliminary wetland and waterbody delineation report to the USACE for areas of the Project that surveys are complete and the Project is unlikely to change.
- The PADEP biologist reviewing the application will most likely be Matt Miller. He will be copied on the preliminary wetland and waterbody delineation report, and correspondence on scheduling site visits so that he can attend if he's interested and available.
- Make sure applications include access roads, staging areas, and pipeyards.
- Have PNDI resolutions before the application is submitted. If not, Penn East risks:
 - Getting a technical deficiency that must be addressed within 60 days.
 - That comment period can be extended another 60 days.
 - If still not resolved, the application can be rejected.
- Submerged Land License Agreements will be required for the Susquehanna River, Delaware River and Canal, Lehigh River, and Pohopoco Creek. AECOM



will follow up with PADEP to receive any forms or drawing requirement checklists that may help the review process.

- PADEP asked if permits would be required to conduct any geotech or other environmental studies. PennEast confirmed that to date, no studies have impacted wetlands or waterbodies. If any future studies result in impacts, a JPA must be submitted for that activity.
- AECOM asked about calculating impacts in the Susquehanna River, and whether impacts should include the area inside the Portadam or bladder dam. The USACE confirmed that under Section 10, the Portadam would also be an impact.
- Based on the scope of the Project, the USACE will issue an Individual Permit for the entire Project rather than breaking out impacts and issuing Pennsylvania State Programmatic General Permits (PASPGP-4), Individual Permits, and Nationwide Permits.
- An Aid to Navigation (ATON) Plan will be required by the PFBC for instream work in the Susquehanna River.
- The Susquehanna River crossing will be carefully planned and coordinated to cross during low flow conditions. PADEP mentioned activities such as Riverfest in the area that PennEast may also want to plan around.
- PennEast intends to use linear production along its four proposed construction spreads as much as possible. Accommodations may be made for sensitive resources (i.e. trout streams, T&E restrictions). In those instances, construction may occur out of sequence and be tied into the Project later.
- PADEP recommends submitting a separate table for fees. The USACE will require compensatory mitigation for the conversion of palustrine forested and palustrine scrub shrub to palustrine emergent wetlands. Mitigation should be provided in each watershed.
- AECOM stated that it is unlikely that a mitigation plan will be complete before the JPAs are submitted, as impacts will not fully be understood until all surveys are complete. The USACE understands that the mitigation plan will be initially conceptual.

Delaware River Basin

- PennEast proposes to cross the Delaware River with an HDD.
- An Inadvertent Return Contingency Plan has been prepared for the Project.
- PennEast would like to have the contingencies to be included in the permits, so PennEast can take immediate action if needed.
- DRBC asked if water withdrawals are permitted by PADEP. PADEP confirmed they do not require permits. PennEast will register withdrawals with the state under the Act 220 Notification process, which requires notification with 30 days of the withdrawal.
- DRBC requests that PennEast provide geotech information. Although it's not reviewable, it would provide helpful supporting documentation for their review process.



- PennEast is also conducting karst studies, blasting studies, and seismic evaluations, and would be more than happy to share the results of those studies with agencies.

Chapter 102

- One permit will be issued for the entire Project, and will be administered and coordinated through the NERO.
- 5 copies of the application, including E&SCP and PCSM plans should be submitted, so that PADEP can provide a copy to each County Conservation District for technical review.
- Each county has its own application and review fees. PennEast will include these with the applications, and will clearly note which binder should be distributed to each county.
- PennEast should exclude the Chapter 105 areas from the ESCGP-2 per acre application fee.
- NERO will consolidate comments for distribution. Any deficiency applies to the entire Project unless otherwise specified.
- Public comments that County Conservation Districts receive will be submitted to Bob Jevin at NERO.
- Any changes to workspace after initial submittal of the ESCGP-2 application will require a major modification. PADEP recommends setting broader limits of disturbance in areas where PennEast is uncertain of the workspace needs.
- PADEP recommendations:
 - Neck down at riparian buffers.
 - In special protection watersheds, there is a 150' mandatory buffer.
 - In non-special protection watersheds, a voluntary 100' buffer is recommended.
 - The 150' riparian buffer applies to wetlands that abut streams/ponds.
 - Replant temporary workspace in forested riparian buffers.
 - Recommends using ABACT for the entire Project, although only required in special protection watersheds.
- PCSM BMPs are required for new permanent gravel roads.
- For temporary access roads, PennEast can add compost and topsoil to areas where roads were expanded, or preferably remove the stone and restore. Otherwise, PCSM BMPs are required.
- Evaluate rate and volume control requirements for EV wetlands
- For gravel used at interconnects surrounding valves and other minor aboveground facilities, use an 89 curve number instead of 98.

General Recommendations/Lessons Learned from Recent Projects

- PADEP: Along steep slopes and in proximity to special protection watersheds, the construction sequence and schedule should be condensed.



- PADEP: Build buffers into the construction sequence. Do not clear and grub up to the streams' edge. PADEP recommends 150 feet in special protection watersheds and 100 feet in other watersheds.
- PADEP: Have a contingency plan for clean-up outside of the workspace.
- PADEP: Use J-hooks at the end of waterbars to minimize sediment leaving the workspace.
- PennEast: UGI Energy Services recently implemented sumps at the ends of waterbars which worked well during construction, but it should only be used as a temporary measure.
- PADEP: Maintenance of BMPs is key.
- USACE: Based on recent post-construction monitoring studies, USACE is recommending that the seed mix used for wetlands include a mix of wetland plants and annual rye, rather than just the FERC recommended annual rye. Annual rye is important for quick cover, but often wetlands end up being dominated by upland plants.
- USACE: Use quality environmental inspectors who have authority to act.
- PennEast: Will use union contractors who have experience constructing pipelines in Pennsylvania.
- PADEP: Felling trees and leaving them in place results in calls from the public.
- PennEast's objective is to have permits before clearing begins so they can fell trees in the timeframe that USFWS and PGC requests and clear them simultaneously.



PennEast Pipeline Project

MEETING MINUTES

US Army Corps of Engineers
Beltzville Lake
2145 Pohopoco Drive, Lehigh, PA 18235
Date: July 16, 2015

Attendees (see also sign-in sheet):

Bob Phillips, USACE Section 408 Coordinator
Dave Williams, USACE Francis E Walter Reservoir Dam Operator
Glenn Weitknecht, USACE Regulatory Branch
Brett Anderton, USACE Francis E Walter Reservoir Dam Operator
Josh Dinko, USACE Beltzville Lake Dam Operator
Gregory Wacik, USACE NEPA Coordinator
George Sauls, USACE Northern Area Engineer, oversees daily operation of all District Dams (including Francis E Walter Reservoir and Beltzville Lake)
Marco Calderon, UGI Energy Services
Jon West, AECOM
Sarah Binckley, AECOM
Keven Koch, Hatch Mott MacDonald
John Coughlin, Western Land Services

Meeting Summary

Project Introduction

- Project summaries and preliminary maps showing the Beltzville Lake (Beltzville) and Francis E. Walter Reservoir (Walter) were distributed to meeting participants.
- AECOM provided a Project Overview, including a brief history of reroutes to avoid sensitive areas and address stakeholder input, milestones in the FERC 7c pre-filing process, survey progress and schedule.
- PennEast anticipates submitting the FERC 7c application and the Section 408 application concurrently in mid-September.

Overall Project Questions / Discussion

- PennEast has conducted threatened and endangered species, cultural resource, wetland and waterbody, geotechnical, and noise surveys on USACE owned properties. The USACE (Greg, Dave, Brett, and Josh) requests that PennEast share the results of those studies. PennEast will provide the survey results to the USACE with the mid-September submittal.
- Surveys on the two properties are complete with the exception of geotechnical and some protected plant species surveys.



- Potential rattlesnake denning and gestating habitat was observed, and PennEast is working with the PA Fish and Boat Commission (PFBC) to determine if additional surveys, monitoring, or mitigation is recommended.
- The permanent easement will result in 50 feet of cleared right-of-way (ROW) along buried pipeline. In locations where horizontal directional drill (HDD) is proposed at Beltzville Lake, only the entry and exit points of the HDD would require clearing for construction. There will be no routine vegetation mowing or clearing in riparian areas that are between the HDD entry and exit points.
- USACE asked if any specific restoration is planned. PennEast intends to use seed mixes approved in their site restoration plan. PennEast is evaluating reforestation at select locations.
- Dam operators request that workers and surveyors sign in at both shops. For Beltzville, sign in at the DCNR office. If working near roadways, set up cones around vehicles.

FE Walter Reservoir

- PennEast has co-located with Buckeye's existing utility ROW at Walter. Based on the steep slopes at the Lehigh River crossing, an HDD is not an option at that location. Finding a suitable Lehigh River crossing where HDD could be used would result in substantial deviations from the Buckeye ROW.
- The USACE is pleased that PennEast is co-locating with the Buckeye ROW, as it will minimize recreational and wildlife impacts.
- The USACE asked if any other trenchless crossing methods have been evaluated, such as the direct pipe method. AECOM will discuss with the project engineers.
- PennEast proposes crossing at this location using a dry, open cut method (either dam-and-pump or flumed crossing) when water levels are low.
- Historical aerials show that water levels are low late in the summer and early fall. PennEast would like to coordinate construction with a USACE scheduled dam release. The USACE explained that draw down is tied to a schedule, which is dependent upon precipitation and water accumulation.
- The USACE stated that water levels are scheduled to be drawn down to 1300 feet elevation by mid- to late October, and water levels are generally low through February.
- The water levels are drawn down to 1,300 feet elevation, but can rise quickly after large storm events (can rise as much as 80 feet overnight during heavy rain).
- This reach of the Lehigh River is a wild trout stream, and instream activities are prohibited from October 1 to December 31 unless otherwise approved by the PFBC. PennEast can consult with PFBC to see if an open cut crossing between October 1 and December 31 may be permitted.
- The USACE has a flowage easement for Stony Creek, which is crossed approximately 300 feet north of the Lehigh River crossing. That easement may require modification, and should be discussed with Craig Homesley (USACE Baltimore District, Real Estate Division).



Beltzville Lake

- PennEast proposes to cross Wild Creek and Pohopoco Creek using HDD. It is currently proposed as 2 drills, with an entry/exit point situation along Penn Forest Road between the streams.
- PennEast is evaluating whether 1 long HDD could be used to cross both streams. Results of ongoing geotechnical studies will be an important factor in that design, and will be incorporated into the September application.
- The USACE would prefer that PennEast use 1 continuous drill, if at all possible.
- Although each property is used for recreation, the Wild Creek crossing is an exceptional area of recreational interest and near a parking area. Using HDD and not clearing the permanent ROW will minimize impacts.
- The spillway elevation at Beltzville is 651 feet.

408 Submittal Application and Review Process

- The 408 approval must be issued before a Section 404 permit or an easement.
- Technical plans, including cross-sections and specifications, must be included in the Written Request. The USACE will review technical plans to determine any impacts to USACE projects.
- For non-applicable items listed in the 408 Submittal Guidelines, such as Executive Order 11988 (related to occupancy and modification of floodplains), PennEast can briefly address the items in the applications, but a significant analysis is not required.
- The USACE will require a Work Plan for each property, which will likely be included as permit conditions.
- For O&M requirements, information such as the frequency of mowing and access should be outlined.
- Craig Homesley in Baltimore will continue to work with John Coughlin on real estate requirements and agreements.
- The discussion of residual risk should include emergency management as it relates to the water supply mission, recreation, water quality, and flood control.
- BMPs such as trench plugs at the Lehigh River crossing should also be addressed in residual risk.

NEPA Review

- The NEPA review will likely be the most substantial portion of the 408 review process.
- At Walter, the habitat loss will be minimized by co-locating with the Buckeye ROW, and recreational impacts associated with fishing and boating will be minimized by constructing during low-flow conditions. A Categorical Exclusion may be applicable at Walter.
- At Beltzville, there is greater potential for significant recreational impacts. Since the property is managed by PADCNr, the USACE will include PADCNr in the review process.



- The USACE received a call from the Appalachian Mountain Club about the PennEast project.
- Both applications will be subject to public notice.
- A public meeting may be required, but the USACE is aware of the difficulty in holding a meeting to assess only impacts on federal properties. If meetings are required, perhaps they can be combined.
- The USACE will prepare an EA for Beltzville, which will focus on concerns related to land use and permanent impacts.
- The EA does not go out for public review.
- The USACE is a cooperating agency on the FERC EIS.

Other Discussion

- The USACE is required to issue permits within 90 days of when FERC issues a Certificate, but this is generally not feasible considering the amount of surveys, reporting, and agency review.
- Studies should be complete for the two federal properties; therefore, it is unlikely that the Certificate issuance schedule should impact the 408 review schedule.
- AECOM will provide the USACE with a wetland delineation report in the near future to schedule site visits to confirm the delineations. Wetland delineation field maps should not include engineering details. Beac surveys are complete at Walter and Beltzville, we can prioritize those areas. Greg will be invited to the site visit.
- The HDD pullback area west of Wild Creek crosses Pohopoco Drive. Although this is not on USACE property, this brought up questions of traffic management.
- Greg would like to be copied on any meetings held with PADCNR and PGC.
- Jon stated that David Mong and Steph Livelsberger have been our primary points of contact at DCNR.
- Bob provided a copy of comments that the Beltzville State Park manager Devin Buzard sent the USACE on January 28, 2015.

Date-7/18/15 PGC Meeting Summary

Project: PennEast Pipeline

Subject- Meeting with Pennsylvania Game Commission (PGC)_ A/T Crossing

Location- PA Game Commission, SE Regional Office 253 Snyder Road Reading, PA 19605

Present-PennEast Pipeline Project

PennEast Representatives: Jeff England (UGIES), Alisa Harris (UGIES) Dan Murphy (WLS),

PGC Representatives: David Mitchell (Southeast Region Land Management Supervisor), Nathan Havens (Right-of-Way Administrator)

Introduction- After a quick introduction we viewed a large map showing the route as it goes through Blue Mountain Water Park and into PGL 168. David Mitchell's initial reaction was negative stating that it was almost as bad as the original route. Both David and Nathan made the case that Co-locating with the buckeye or any other existing corridor is preferred and went on to discuss the reasons why which included; avoiding fragmentation of the forest and creating a new pathway for invasive plant species.

Jeff England- Jeff explained that we have investigated not only both Buckeye lines but also the power lines corridors and Blue Mountain Drive. He went on to say that PennEast is in discussions with Buckeye but that it was not preferable due to all the constraints involved.

Alisa Harris- Alicia clarified that the current state of negotiation with Buckeye is not promising and the option should not be viewed as a feasible alternative route.

- Nathan stated that it appears there are no other options that would avoid the clearing of a new easement .That being the case we need to find a route that is more palatable than this proposal.. He and David stated that the line needs to get as close to Blue Mountain Drive as possible and then off the PGL and into Danielsville as quickly as possible.

Dan Murphy- Dan reminded them that during the meeting of 5-22 they stated that they would be willing to work with PennEast on a route through this parcel providing it ran as close to the parcel border as possible.

Nathan replied that the offer was based on a Buckeye crossing. He also stated that the route shown does not run close enough to the parcel border. He went on to explain that the line needs to come down the Mountain as far west as possible and be as far south as possible when traveling east. Additionally, they requested that the route travel through private parcels in the area as well as PGC lands stating they did not want to take the entire hit.

Dan Pulled up Google Earth on the computer and placed it between Nathan and David and drew a line showing a route that would be more to their liking. Jeff came over to view it and he explained the construction challenges involved. Nathan asked to change the current view to a leaf off view to see more detail. When this was done a conifer stand in the area of the planed crossing become visible. Nathan stated it was important to the PGC that this stand and the bolder field to the east be avoided. He feels that these areas represent habitat for Eastern small footed Bats as well as rattle snakes. We adjusted the line so that it runs between these features.

Jeff assured them both that surveys would be completed and suggested that it would be best if both parties with representatives from engineering construction and environmental got together and walked the area. Nathan and David agreed.

David again stated that the Buckeye was the preferred route for the PGC. He said he understood that there was a ski area to the immediate north and a superfund site to the west but that they still consider this area to be valuable habitat and need to protect it.

Jeff responded by clarifying that the other options are not preferable from either a safety, construction or legal standpoint and at this time we really need to focus on adequately mitigating the impact of the route on the table.

Jeff talked about the possibility of necking down as much as possible in the area to reduce impact.

David and Nathan began to talk about how the structure of a licensing agreement would require that compensation include a land gift in addition to a standard compensation. He suggested a nearby property that he felt may be available

David provided the following contact information to the owner's representative

David also mentioned that the PGC would be very interested in picking up a parcel that borders G3-2-1 on the south as they do not currently have access from the south.

We said we would do a thorough search to uncover all possibilities.

Dan clarified that potential parcels need to be contiguous with any PGL and not just the affected PGL. Nathan and David both agreed but David stressed that closer would be preferable.

Nathan stated that while the PGC will work with PennEast they will need to see the impact studies on the alternative routes.

David confirmed that the granting of a licensing agreement can be authorized at his level does not require commission approval. Nathan confirmed but added that the acceptance of a parcel of land does require commission level approval but that would not delay the process.

Nathan requested the formal application should include a CD with all shake file. This will make the task of reviewing the application considerably faster.

Next Steps

Work to locate potential parcel to be purchased for the PGC has begun.

Schedule a time to walk the area with the PGC.

Meeting with Penn Dot, 20 July 2015

Attendees:

Ugies: Alisa Harris, Marco Calderon., JuanCazon,

HMM: Tom Hite

WLS: John Coughlin, Ty Baccile

Penn Dot: Greg Boler, Facilities Director, eastern region ; Eric Silfies, facilities, District 5; Ken Kutchinsky, ROW Administrator, District 5; Jack Hubbard, Jill Krause, and Chris Repsher , Maint, District 5.

Following introductions, there was a brief overview of the Penn East Project including the routing , length, temporary and permanent corridors, depth, size , and planned filing date time frames.

Distribution of the Gis Overlays to the attendees: Tracts M8-2-3, M8-2-3 C, M8-9-15,N8-7-5B, & N8-7-5A-1A.

Greg Boler said that they were unable to grant an easement , by law , across any of their properties.

Ken Kutchinsky said that the stockpile site, M8-9-15, was being developed and not available for crossing;

that the northern end of the Park & Ride, M8-2-3 was being sold and would not divulge the buyer;

that the two tracts north of the Lehigh, N8-7-5B & N8-7-5A-1A, were part of an interagency agreement with Fish & Boat and property interests uncertain;

that the pipeline would not be allowed within & Parallel with the existing ROW, but they would allow crossing of the ROW thru an HOP permit;

that for the granting of surveys and the crossing of individual tracts, the application process would depend on whether the activity were invasive or not invasive;

that the proper application form for invasive activity, defined as any construction, shovel testing or removal of vegetation, was **RW 501, Right of Entry** with a 4-6 months processing;

that the proper application form for non-invasive activity was **RW 500, Release and Waiver** with a 30 day processing;

that the optional **Form RW 607, Request for Access**, submitted in addition to **RW 501 or RW 500** would help facilitate processing and subsequent approval;

that the agency responsible for filing requests to cross a DOT ROW would be thru the applicable county DOT Engineering District 5 (North Hampton, Carbon)

that the agency responsible for filing requests to cross the individual tracts would be the local Penn Dot Facility.

Tom Hite clarified existing vs non existing ROW and addressed the sale of the northern section of the Park & Ride.

Alisa Harris addressed the time constraints to meet the FERC filing schedule and what possibly could be done to facilitate the process.

Ty Baccile addressed the HOP and was given contact Madelyn Lopez, 610 871-4101 for DOT Engineering District 5 RW Plans/Archives.

Marco Calderon reviewed the rerouting options around the stockpile site(M8-9-15).

Items that will need to be addressed further: the Fish & Boat property interests; ownership of that portion of tract M8-2-3 that is in the process of being sold; the possible rerouting around the stockpile site, & facilitating the lengthy process of getting access for surveys.

Date-7/21/15 PGC-Northeast Region- Meeting Summary

Project: PennEast Pipeline

Subject-Pipeline Crossing of PGL 91; 40; 129

Location- PA Game Commission, NE Regional Office

3917 memorial highway

Dallas pa 18612

PennEast Representatives: Marco Calderon (UGIES), Juan Cazon (UGIES) TJ (UGIES) Tom Hite(Hatch Mott) Dan Murphy (WLS),

PGC Representatives: Michael Beahm (Northeast Region Land Management Supervisor)

Introduction- After a quick introduction we viewed maps showing the route as it travels through each parcel owned by the PGC in the Northeast Region.

Mike Beahm clarified that the northeast region is anything north of the Carbon County southern boundary (the Appalachian Trail), not including GL 168.

Michael pointed out that there is a new power line easement on 04-113-00A-001 that runs close to the proposed pipeline. It was just put into service 3 weeks ago and does not appear on Google Earth at this time.

Marco responded that they were aware of the line as it was picked up during a flyover of the route.

Michael pointed out the PGC does not grant easements but instead issues licenses that require a yearly fee be paid.

The approval process usually takes between 30 to 90 days on the local level. It would then be sent to the Pa Attorney General for review with that process taking at least 30 days.

After the local review is completed and approved the LOD of the line will need to be marked to allow the PGC to appraise the effected timber.

Mike Beahm did not have any problems with the route as we are co-located through the three SGL's in his region.

Wildlife

Michael discussed some of the wildlife that are present within the areas game lands. He felt there were small footed bats within GL 129 & 91, rattle snakes within 129 and 40 and that there may be Long eared bats within GL40.

He mentioned that PPL had developed a Small Footed bat mitigation plan and said he would try to get us a copy.

Access Roads

Michael said that existing roads within the game lands would be available to be utilized for access. He went on to mention that they would need to be improved beforehand to be able to handle the traffic. He pointed out that PPL left the roads much better than expected.

There is a bridge on parcel 4-M13-00A-000 that is not capable of handling anything larger than a pickup truck. (see attached exhibit titled "bridge location")

Michael offered to provide us with a map of existing roads.

Reclamation

Michael has a special interest in how re-vegetation is achieved. He pointed out that the PGC has a special seed mix that includes stabilization materials that they would like used.

Compensation-land

We discussed the fact that a portion of the compensation paid to the PGC would be in the form of land. Michael discussed this as being related to timber damages with the value of land required to be donated to the PGC being a function of the value of the timber lost. This is somewhat different from the way it was presented by the Southeastern District who described it as being tied to impacted lands in general.

When asked if he knew of any suitable parcels that may be available he responded that he would have to think about it and ask other staff. He did point out that he would like to acquire a parcel owned by _____ but had no reason to believe it would be available for sale.

Mike clarified that any land granted to the PGC mitigate with the Game Commission to mitigate our impacts should be in the same region as the impact itself.

Compensation-Timber

Timber damages are paid double stumpage.

They prefer that the tops be left and everything else removed. Timber can be left neatly stacked if desired and the PGL will bid it out to a timber company to sell and remove.

Next Steps

Work to locate potential parcel to be purchased for the PGC has begun.

Follow up with Mike on getting a copy of access road maps, PPL bat mitigation plan

Provide Mike with a map showing the line in relation to GL 141

Contact

Mike Beahm

PennEast Pipeline Project (04-M13-00A-05A-000 PA Commonwealth)

WESTERN LAND SERVICES



Includes
DUA
Date
5/12/2015

1,300 Feet
400ft Study Corridor

This map is the property of Western Land Services Inc. (WLSI). It is provided as a guide only and should not be used for any other purpose. WLSI does not warrant the accuracy of the information shown on this map. WLSI shall not be held liable for any errors or omissions herein. Accordingly, WLSI shall not be held liable for any errors or omissions herein.

Meeting Report

Project Name:	PennEast Pipeline Project	Date of Report:	August 7, 2015
Meeting Location	NJDEP Offices	Meeting Date:	July 30, 2015
Participants:	NJDEP - Ruth Foster, David Pepe, Michael Palmquist, Cari Wild, Chris Squazzo, Judith Yeane, Robin Madden, Suzanne Dietrick, Diane Dow, Ginger Kopkash, PennEast		
Distribution:	Ruth Foster, Ginger Kopkash, PennEast Team		

Summary

- Ruth Foster stated that once the project application is filed with FERC, things will change a bit and that meetings such as today's are important.
- PennEast stated that the NJ process should be separate and apart from the FERC process and reiterated the PennEast team's understanding that NJ has its own permitting process. PennEast requested separate bi-weekly or weekly meetings to update NJDEP on project progress so that the FERC bi-weekly call is not taken up by the micro issues in NJ. All agreed this was a good idea and that PennEast would set up a conference number and that this call would be conducted an hour before the bi-weekly FERC call.
- PennEast stated that there are 3 main New Jersey permitting aspects; wetlands; flood hazard and Green Acres. Green Acres, PennEast stated, is not unlike a mini-FERC process with EIS type requirements. With respect to NJ Wetlands, full access/owner authorization will not occur until issuance of the FERC Certificate. PennEast stated that PennEast has explored putting together a permit application that would be administratively incomplete. There are some existing LOIs. For the balance of the alignment, the best available desktop information would be used. Alternative analysis work and mitigation work would use this information;
- Ruth Foster indicated that it is difficult for NJDEP to grasp is that in other pipeline projects, only a minor portion had to go to eminent domain. On PennEast, 60% or more access is still needed.
- PennEast indicated that the July 2 NJDEP letter triggered a negative media storm and that there were people, who had previously given access, who rescinded access after the July 2 letter from NJDEP.
- PennEast stated that access to the Marcellus Shale was critical to New Jersey companies. New Jersey companies' long-term planning is access to Marcellus. It is vital to all 3 LDCs. Reliable access is important to NJ customers. There are still periods of time when prices spike. Long-term flow dynamics of pipelines in US are trending toward reversing flow to ship back to South East refineries. Access to the cheapest gas in the US is 100 miles away. NJ companies need the ability to serve NJ customers. NJ companies do not want to wait until gas supply is a crisis.
- PennEast stated that outside activists were stirring the pot and NJDEP should not overweight the eminent domain issue. Other pipelines did not serve New Jersey. PennEast asked how much access would be needed for NJDEP to dedicate resources to the permit applications ;

Meeting Report
August 11, 2015

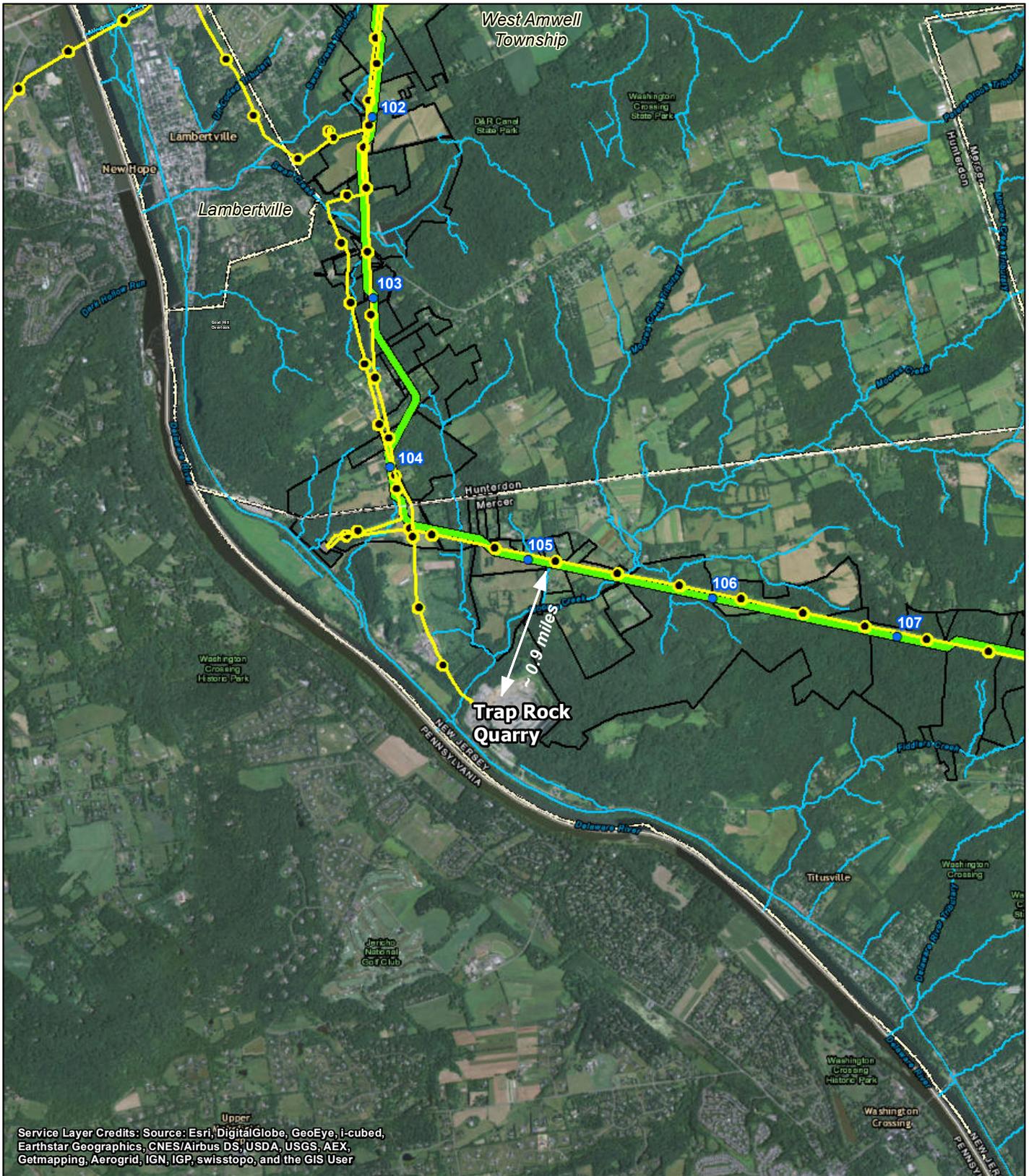
Page 2 of 3

- Ginger Kopkash stated that coordination with NJDEP early on is a good investment. *With this coordination, when permits come in, NJDEP will have already have weighed the line and made recommendations on alternatives.* Ms. Kopkash asked the PennEast team if they were asking today could they submit an application for the entire route knowing it might be administratively incomplete.
- *Ruth Foster stated that it is anticipated that FERC will agree there is a need for eminent domain, based upon the current non-access condition, but the question from DEP is how much access does DEP need in order to start reviewing an application. It is a timing issue and, in the past, NJDEP wanted to see the EIS before reviewing permit applications. In the absence of completed surveys, what level will Land Use be able to go out with Chris Squazzo.*
- Ruth Foster stated that there is not a lot of open space or corridors in New Jersey. NJDEP needs to make sure the natural gas conveyed in the PennEast Pipeline is conveyed to New Jersey. PennEast indicated that PennEast would like to submit an application for the entire line if possible.
- Ginger Kopkash asked what percentage of the non-accessed parcels already have LOIs? PennEast indicated that PennEast was still OPRA requesting this data along with how much of route is wetlands and what portion of streams do we have access to.
- Robin Madden was asked by Ginger Kopkash if PennEast has been granted access to State lands? Ms. Madden replied yes, PennEast has been granted access. Ms. Maddens' group worked with PennEast on a Special Use Permits. Ms. Madden indicated that PennEast came in with additional needs including bat survey and geotechnical work on a trust preserve. Ms. Madden indicated that if requests are for more than just survey work, requests will have to go before the Board of Natural Lands Trust;
- Toward the end of gauging the completeness of an LOI for the entire line, Ginger Kopkash inquired about the quantity of wetlands on the entire line and asked about the portion of wetlands located in the parcels that have been surveyed. PennEast indicated that such quantities and percentages would be available at the Sept 2 route review meeting with NJDEP. T&E estimates should also be available.
- Ginger Kopkash recalled that PennEast said it will take a long time to review the route alignment but it could be done at the meeting on September 2 which is scheduled for 4 hours. PennEast stated that once the FERC application goes in, the route is fixed. Ms. Kopkash stated that NDJEP wanted to be able to influence the route.
- Judith Yeaney stated that she wanted her folks to also attend the route review meeting on September 2.
- Kopkash stated that every applicant is entitled to submit any application any time. DEP can only give advice. An applicant is entitled to make their own business decision. However, if NJDEP does not have owner authorization on an application, then NJDEP cannot go out to the site
- PennEast stated that NJ should have as much input as PADEP, which is a cooperating agency. PADEP will issue permits concurrently. NJ is not a cooperating entity. How does PennEast get NJ concerns/input into the line? If NJDEP waits 18 months, certainly the line will be fixed.

Meeting Report
August 11, 2015

Page 3 of 3

- Ginger Kopkash stated that NJDEP understood. PennEast stated that there is still a level of alignment tweaking that can be done. Ruth Foster stated that, traditionally, NJDEP's opportunity is to comment through the FERC process. If the Resource Reports are revised, then another opportunity is provided to comment again.
- Ginger Kopkash stated that NJDEP wanted to be able to influence process and did not want to get mired in the Federal review and be along for the ride. NJDEP preferred to be driving the decision and not only be a participant. NJDEP has more intimate issues (resources) than what FERC gets involved in including the Natural Lands Trust lands.
- Judith Yeane of Green Acres asked that if information is available, that PennEast get it to GA sooner rather than later, even if informal basis.
- Ruth Foster has a good core group to participate in the bi-weekly calls and at the September 2 meeting. She would like to see maps of the entire route and be able to see what's already been surveyed, (maps with surveyed properties depicted). PennEast indicated that this would be done at the meeting on a screen. Ruth Foster stated the importance of keeping permanent impacts to wetlands below 5 acres.
- Ruth Foster reminded PennEast that NJDEP wanted daily updates on where work is being done; and that field workers should have the permits in hand; any applications for boring permits.
- PennEast stated that PennEast was meeting with the Highlands Council on Tuesday August 4 and DRCC sometime in the near future. Regarding Highlands, PennEast stated that the PennEast position was that there is no regulatory nexus; the project is not in the Preservation area; not a sewer pipe; no local development/site plan approvals.
- Ruth Foster said that the Highlands Council had discussed this with the DAG and they believe the HC has advisory jurisdiction even though the project is in the planning area, because is not public utility, and it's a brand new route; they plan to do a consistency determination. They have all their maps done; they will go through the consistency determination; they have a few other things beyond what DEP looks at.



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1000 Feet

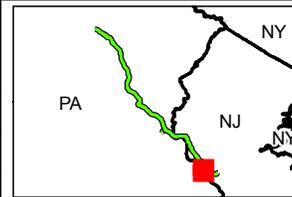
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- Mile Post
- PennEast Proposed Route
- Existing Electric Transmission Line

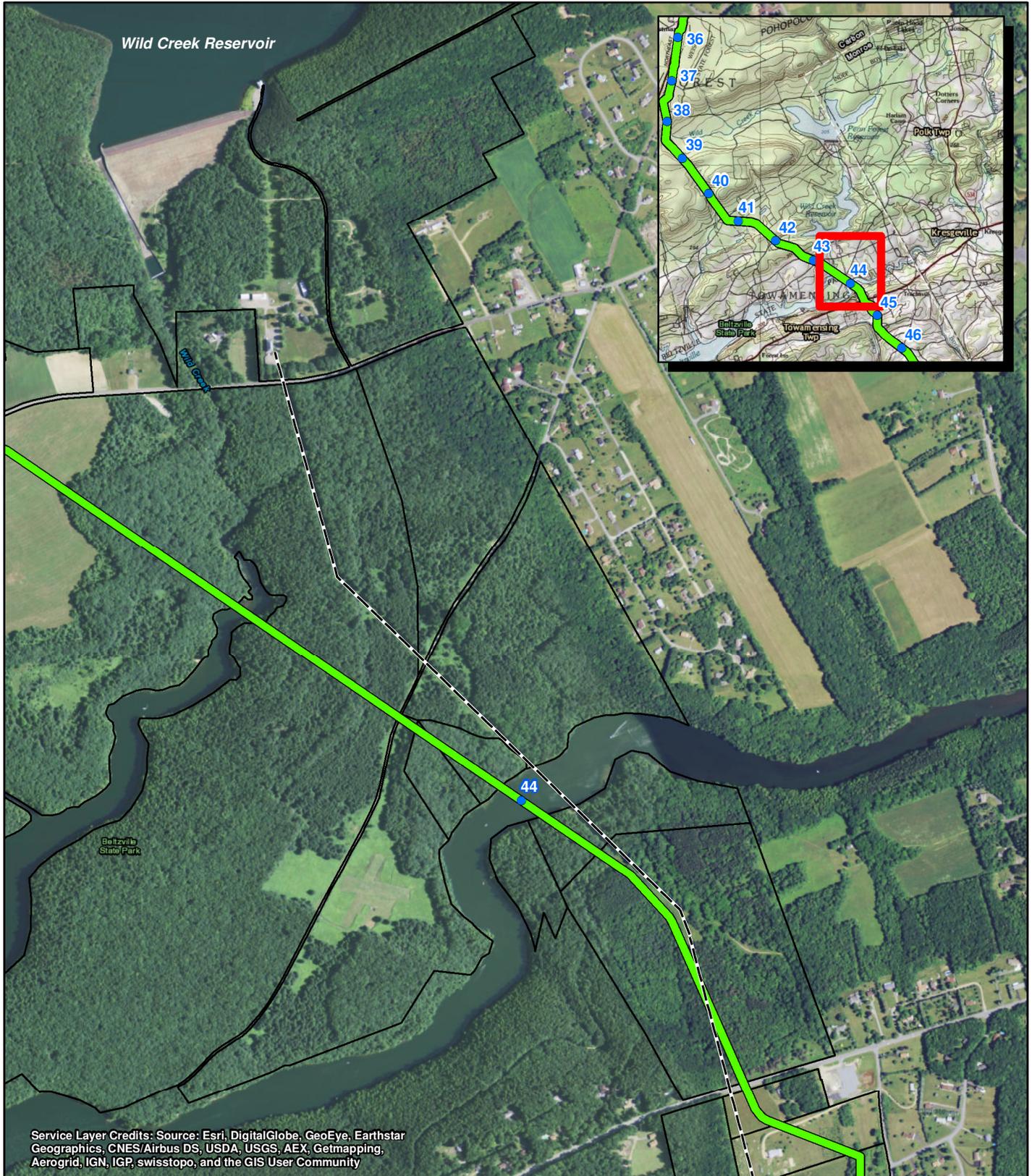
TITLE:

Trap Rock Quarry

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DRN. BY: LB	SCALE: SEE GRAPHIC SCALE	DWG. NO.:	SHEET:



PennEast Pipeline Company, LLC



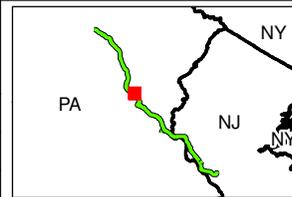
Legend

- Mile Post
- Approx. BA Potable Water Line
- ▭ Parcel Boundary
- ▬ PennEast Proposed Route

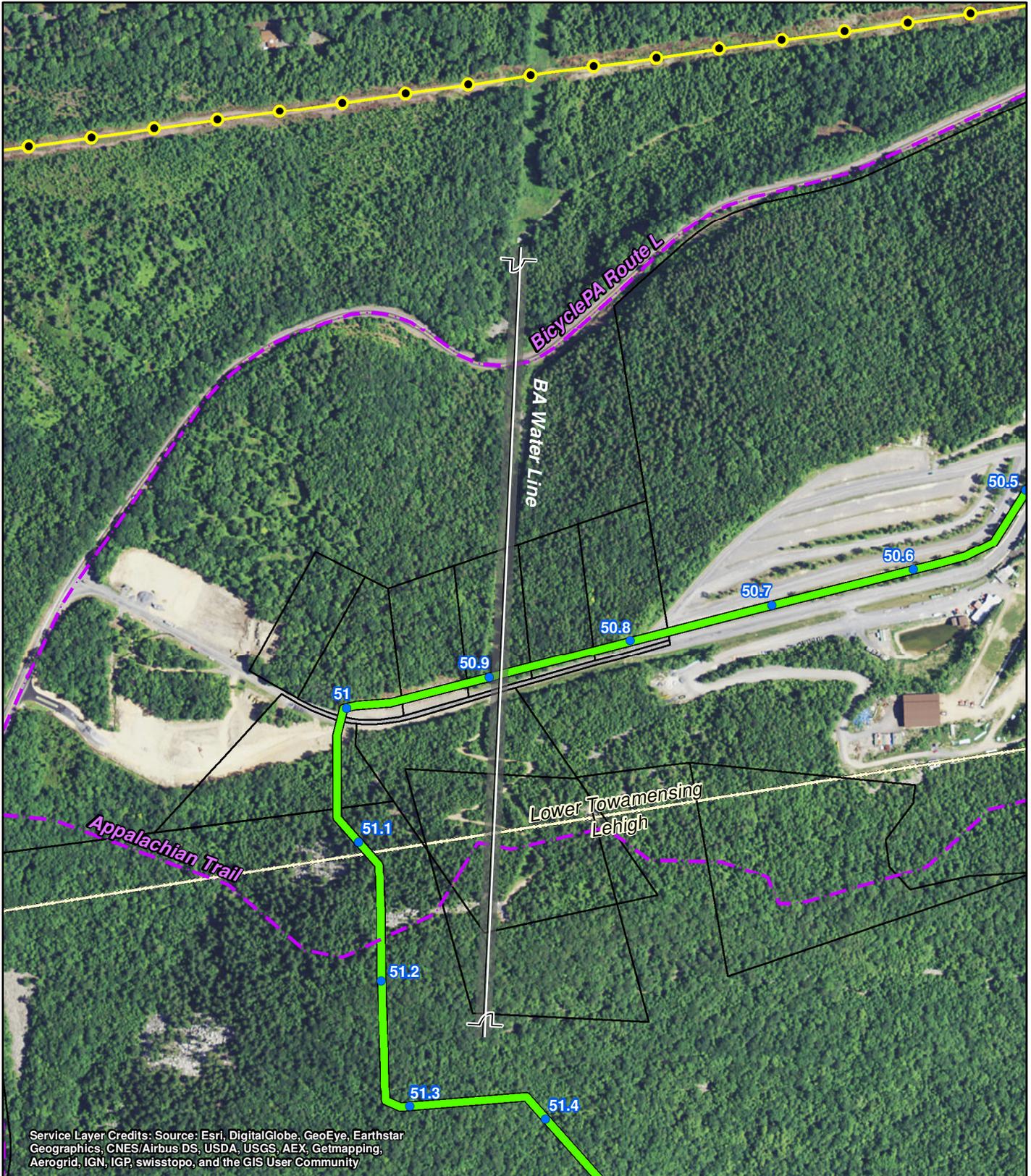
TITLE:

Bethlehem Authority Reservoir

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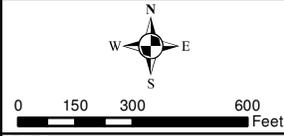


PennEast Pipeline Company, LLC



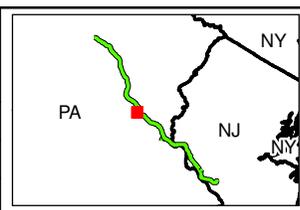
Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, AeroGrid, IGN, IGP, swisstopo, and the GIS User Community

*Based on Lower Towamensing Township subdivision map filed Nov. 26th, 1985



Legend	
Approx. BA Water Line*	Explore PA Trails (www.explorepatrails.com)
Approx. Water Line Easement	Mile Post
	Existing Transmission Line
	Parcel Boundary

TITLE:
Bethlehem Authority (BA) Water Line Easement - Blue Mountain



LOC:		REV.:	
CKD. BY: BH	ENG.:	Date: 8/11/2015	W.O.:
DRN. BY: VP	SCALE: SEE GRAPHIC SCALE	DWG. NO.:	SHEET:



Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

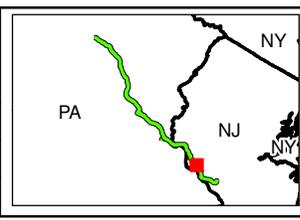


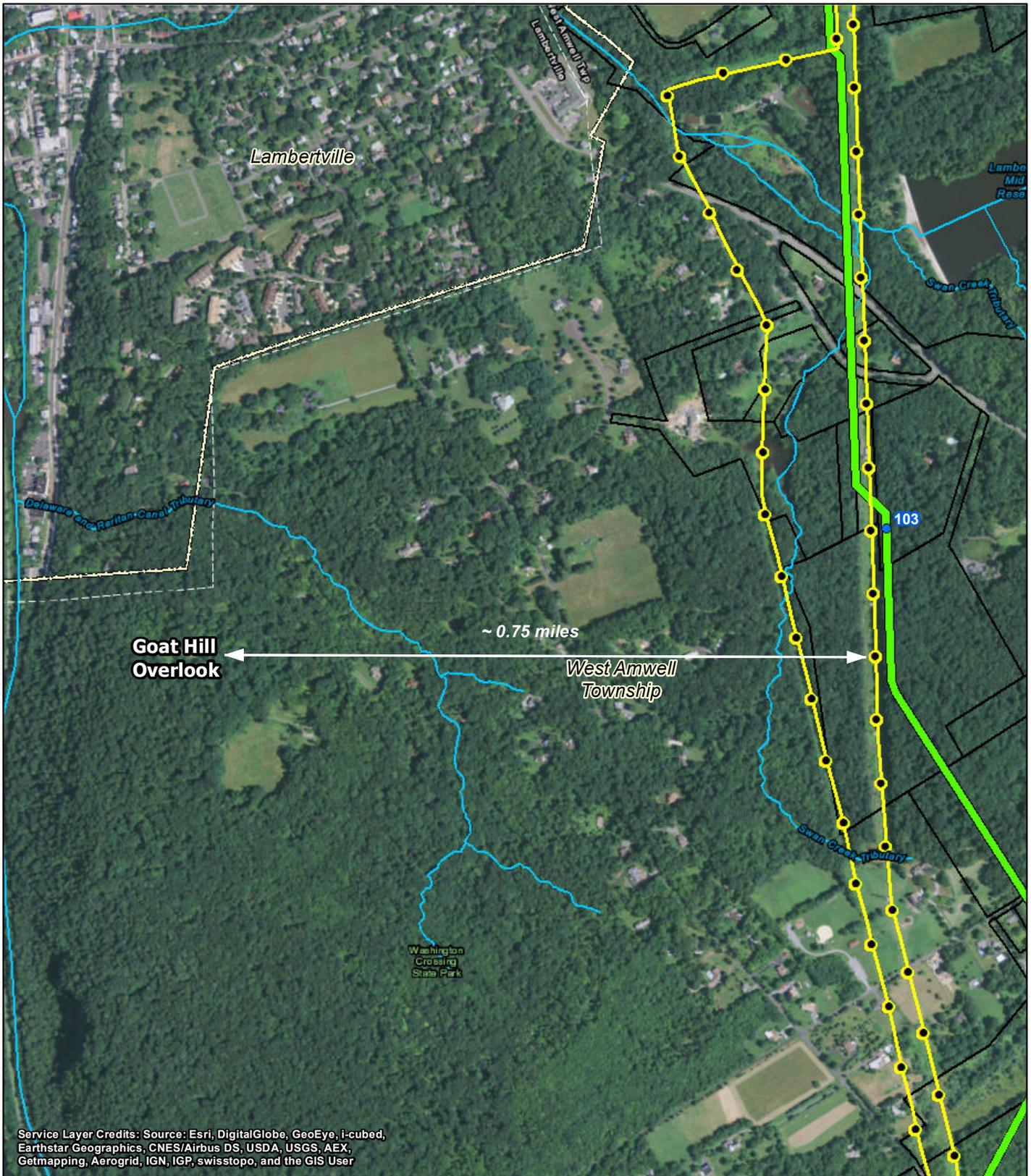
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Legend

- Mile Post
- Existing Electric Transmission Line
- PennEast Proposed Route
- Brook Hollow Farms Parcel
- Parcel Boundary

TITLE: Brook Hollow Farms			
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CKD. BY: BH	ENG.:	Date: 8/10/2015	W.O.:
DRN. BY: VP	SCALE: SEE GRAPHIC SCALE	DWG. NO.:	SHEET:





Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User



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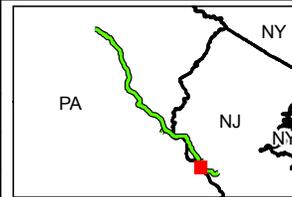
Legend

- Mile Post
- PennEast Proposed Route
- Existing Electric Transmission Line

TITLE:

Goat Hill Overlook

LOC:		REV.:	
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DRN. BY: LB	SCALE: SEE GRAPHIC SCALE	DWG. NO.:	SHEET:



PennEast Pipeline Company, LLC



Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



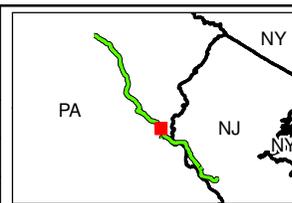
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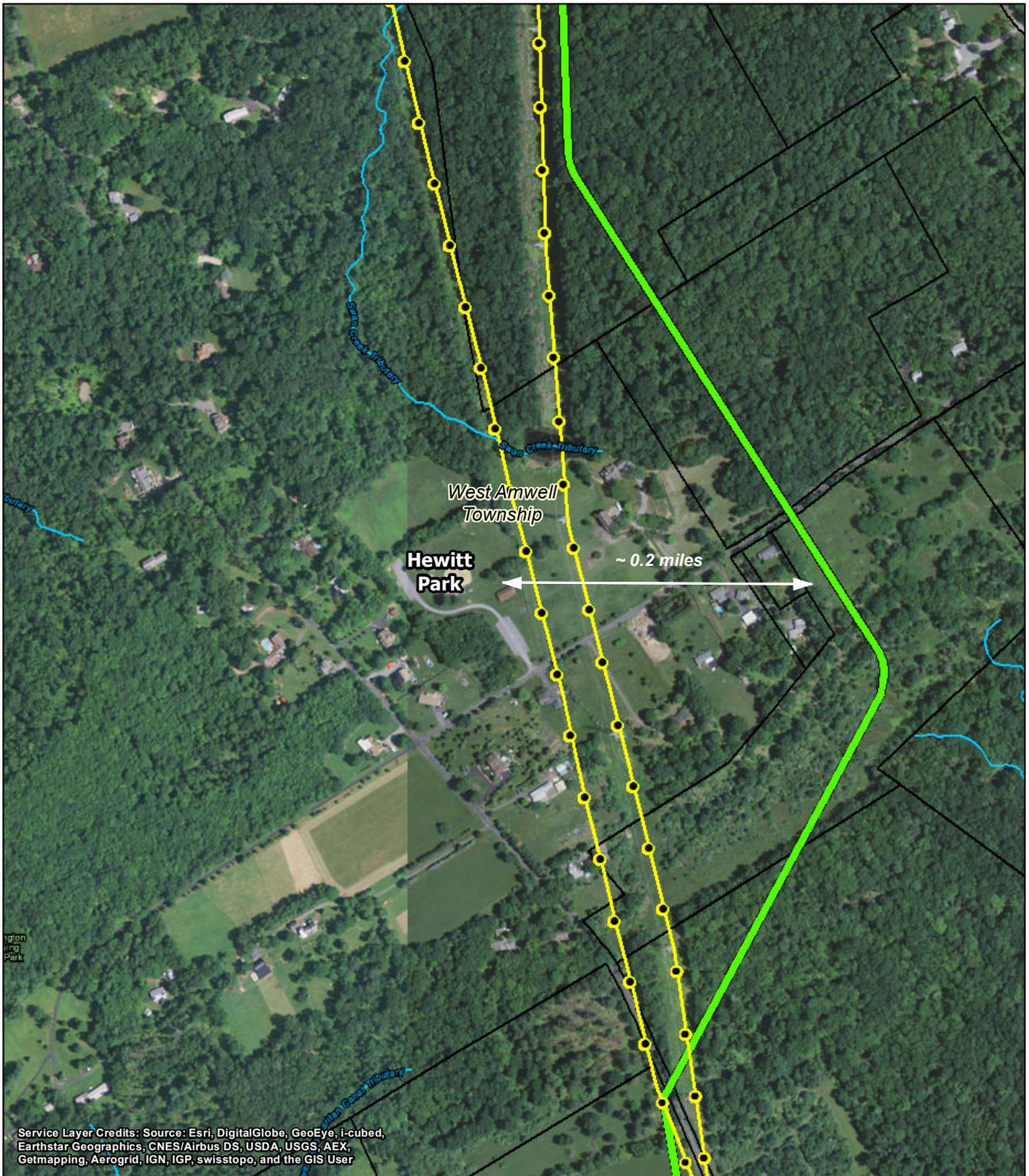
Legend

- Mile Post
- Parcel Boundary
- PennEast Proposed Route

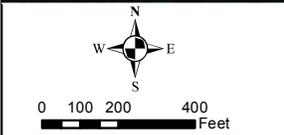
TITLE: Green Pond, Bethlehem, PA

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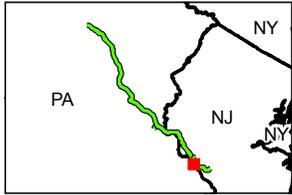


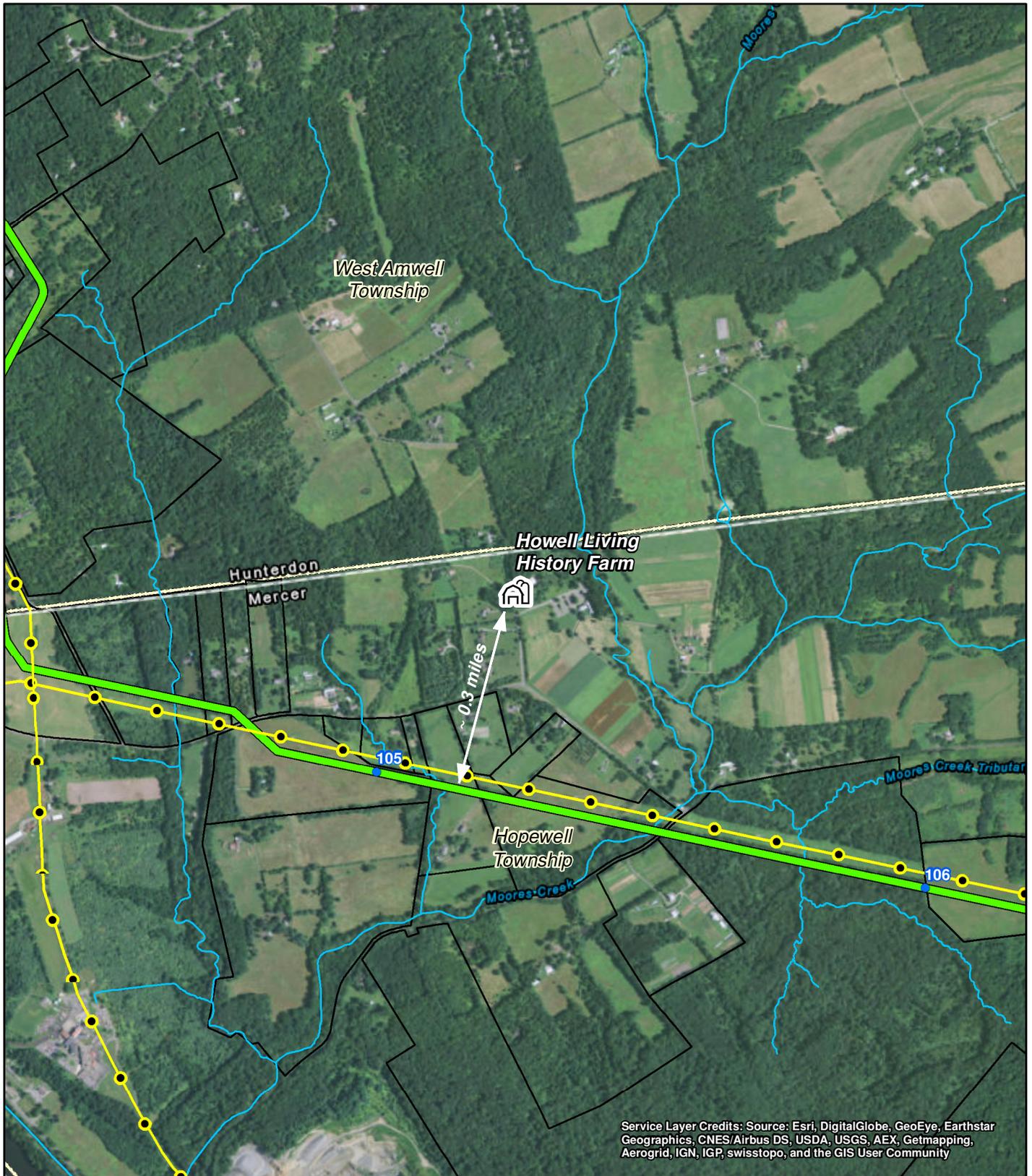
Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User



Legend	
	PennEast Proposed Route
	Existing Electric Transmission Line

TITLE: Hewitt Park			
LOC:		REV.:	
CKD. BY: BH	ENG.:	Date: 8/11/2015	W.O.:
DRN. BY: LB	SCALE: SEE GRAPHIC SCALE	DWG. NO.:	SHEET:





Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

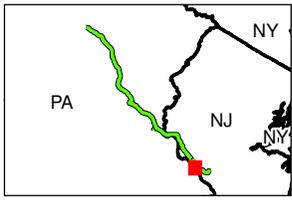


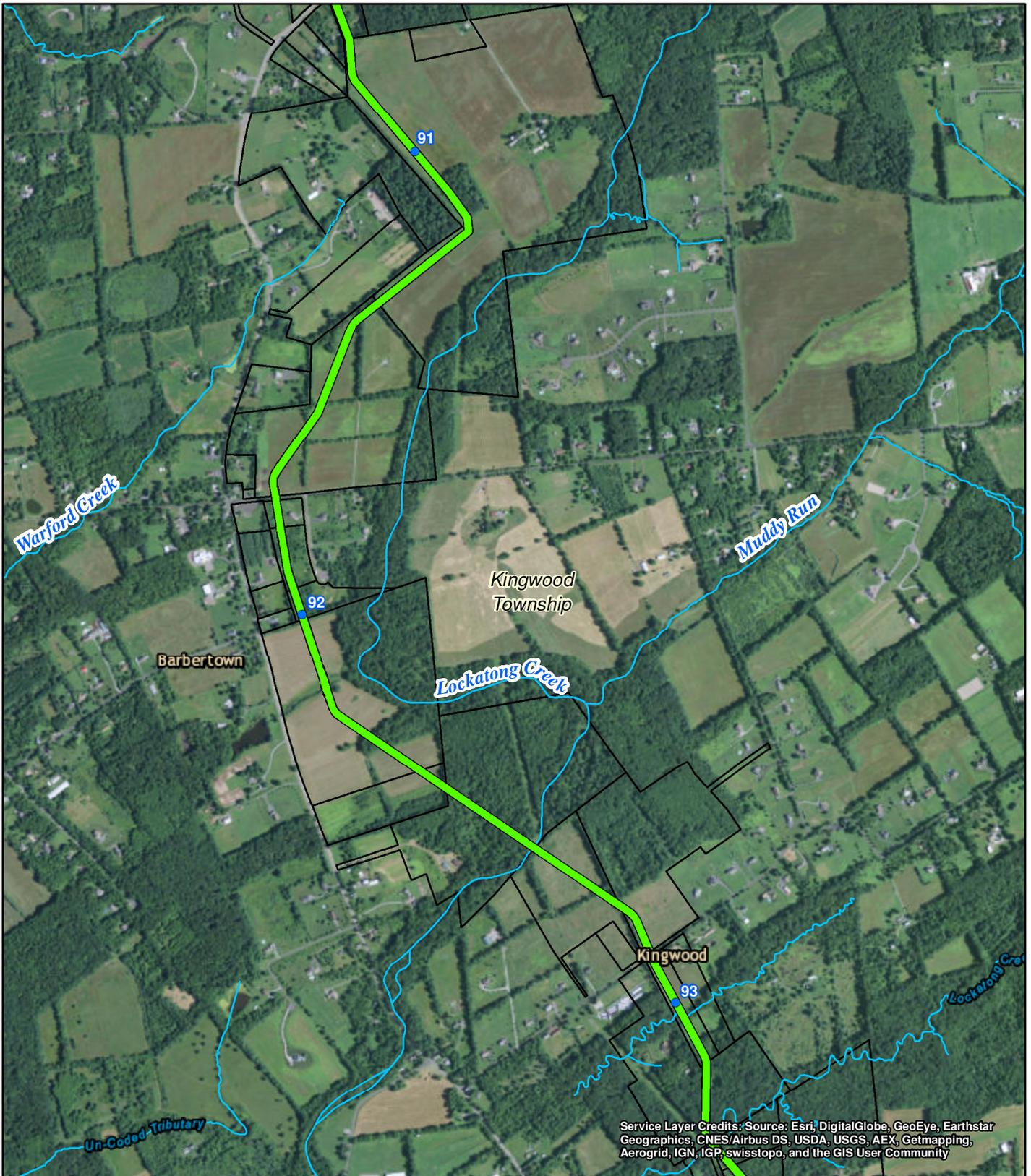
0 300 600 1,200 Feet

Legend

- Howell Living History Farm
- Mile Post
- Existing Electric Transmission Line
- PennEast Proposed Route
- Municipality Boundary
- Parcel Boundary

<p>TITLE:</p> <p style="font-size: 1.2em; margin: 0;">Howell Living History Farm</p>			
LOC:		REV.:	
CKD. BY: BH	ENG.:	Date: 8/10/2015	W.O.:
DRN. BY: VP	SCALE: SEE GRAPHIC SCALE	DWG. NO.:	SHEET:



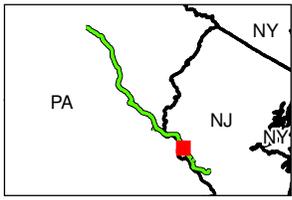


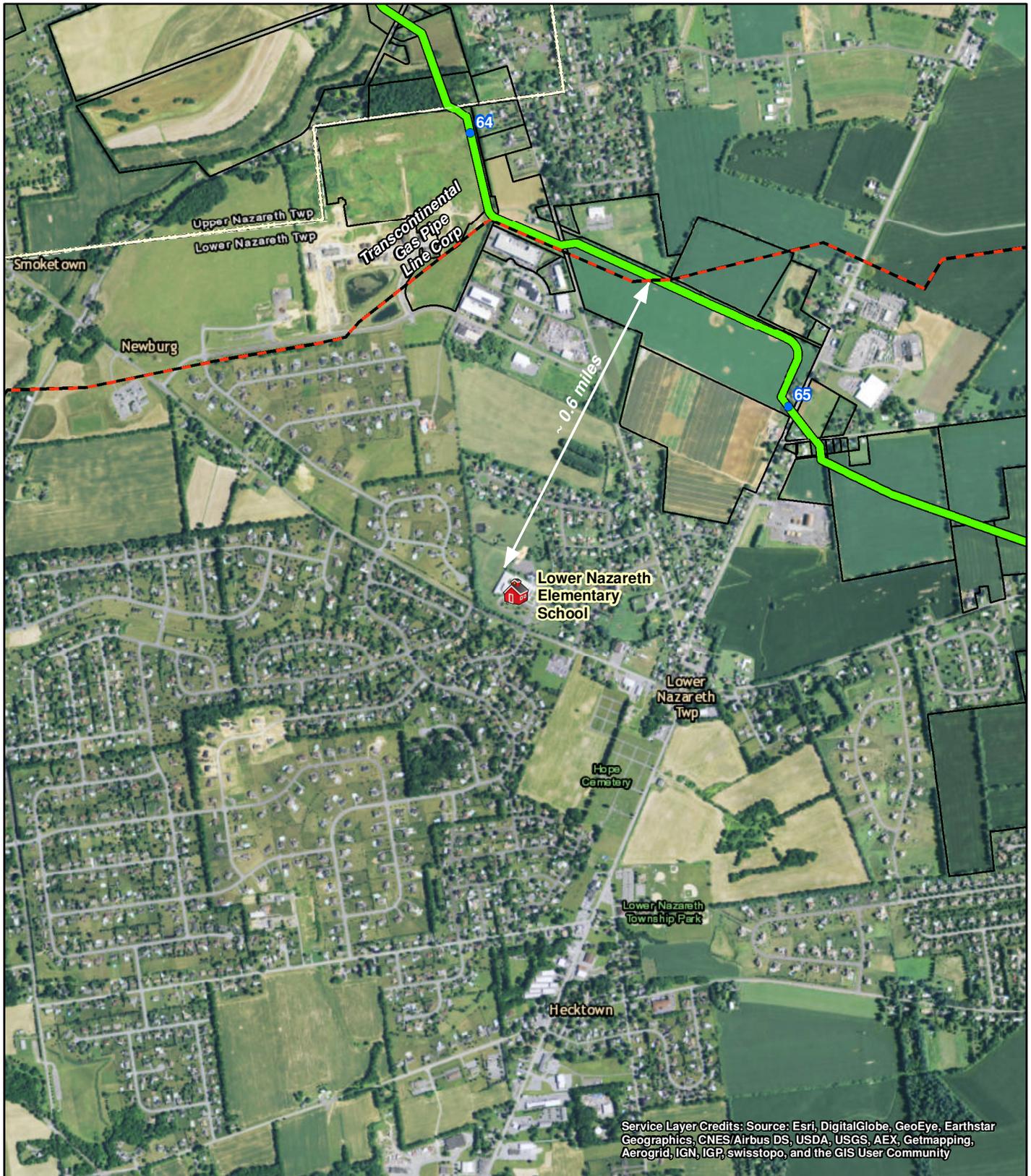
Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



Legend	
● Mile Post	~ Stream (NJDEP SWQS)
 PennEast Proposed Route	 Municipality Boundary
	 Parcel Boundary

TITLE: Crossing of Locketong Creek			
LOC:	REV.:		
CKD. BY: BH	ENG.:	Date: 8/10/2015	W.O.:
DRN. BY: VP	SCALE: SEE GRAPHIC SCALE	DWG. NO.:	SHEET:





Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



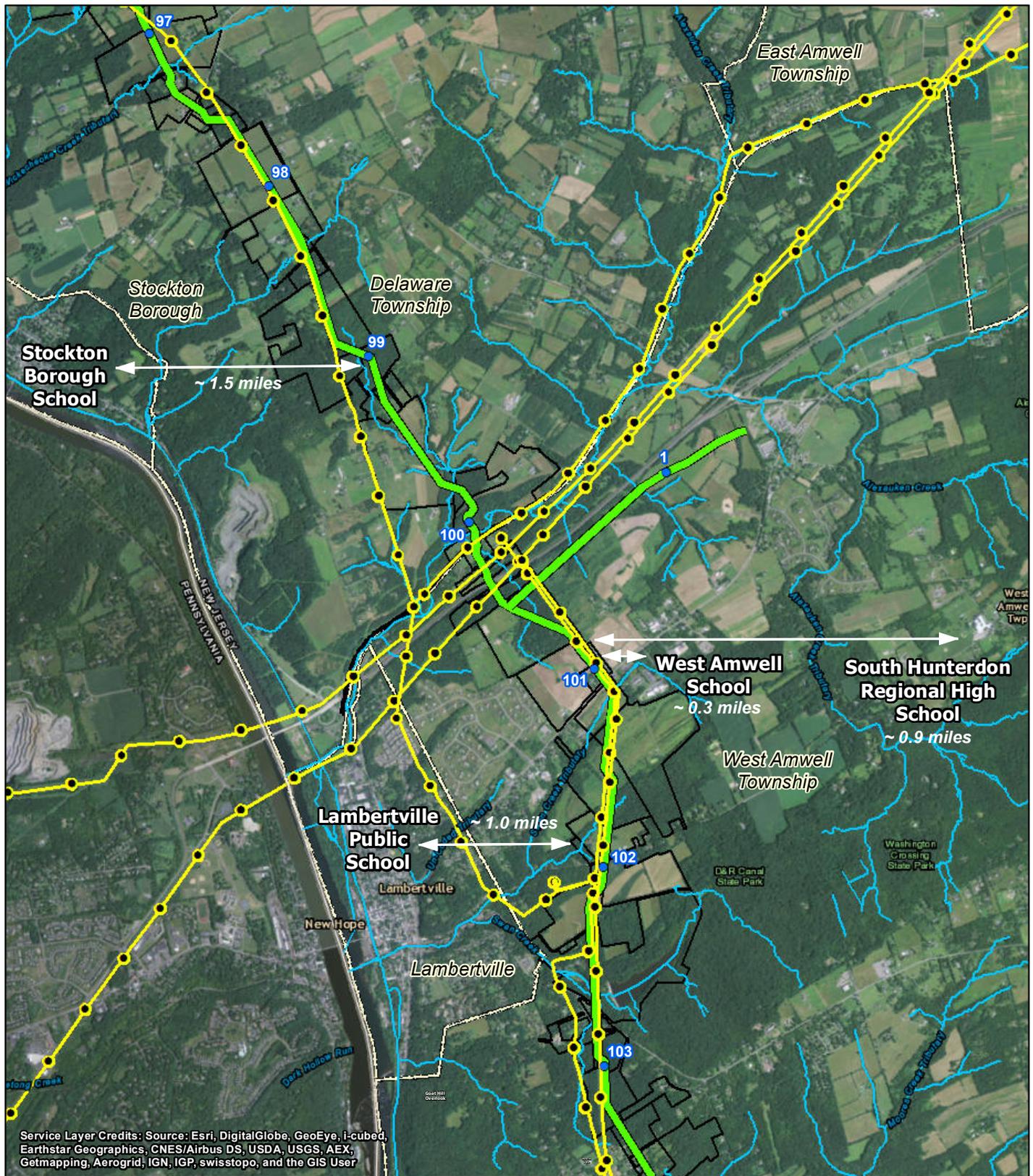
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Legend				
School	Mile Post	Existing Natural Gas Pipeline	Municipality Boundary	Parcel Boundary
	PennEast Proposed Route			

TITLE:
 Lower Nazareth Elementary School



LOC:	REV.:		
CKD. BY: BH	ENG.:	Date: 8/10/2015	W.O.:
DRN. BY: VP	SCALE: SEE GRAPHIC SCALE	DWG. NO.:	SHEET:



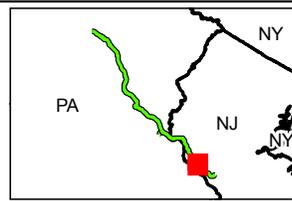
Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User



- Legend**
- Mile Post
 - PennEast Proposed Route
 - Existing Electric Transmission Line

TITLE: South Hunterdon Regional School District

LOC:		REV.:	
CKD. BY: BH	ENG.:	Date: 8/11/2015	W.O.:
DRN. BY: LB	SCALE: SEE GRAPHIC SCALE	DWG. NO.:	SHEET:



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