

Descriptions of Route Modifications

Deviation Descriptions

Since its February 22, 2016 route deviation filing with the Federal Energy Regulatory Commission (“FERC” or “Commission”), PennEast Pipeline Company, LLC (PennEast) has studied an additional 33 minor alternatives (or “deviations”) to the proposed PennEast Pipeline Project (Project) route. The Resource Report tables and figures and the DEIS tables impacted by these deviations have been updated and included herewith in Volumes II and III, respectively. Please refer to the applicable tables in Volumes II and III, including the deviation impact comparison tables provided in Appendix P as part of Volume II, for each of the deviations listed below.

Deviation No. P-1000

Deviation No. P-1000 is a minor route modification to accommodate a landowner request to relocate the pipeline to avoid a conflict with the landowner’s development plans. This deviation begins at mile post (MP) 7.4R2 and ends at MP 8.0R2 in Luzerne County, PA. Implementing this deviation will avoid impacts to residential lots, which the landowner plans to develop into residential dwellings. This deviation is located in previously surveyed areas and will not cause any additional adverse environmental impacts. In addition, the differences in overall Project length and construction acreage are negligible. Landowners associated with Deviation No. P-1000 were identified in PennEast’s April 5, 2016 supplemental landowner lists¹ (April Landowner Lists) as “Affected Landowners.” This deviation does not impact any new landowners.

Deviation No. P-1003

Deviation No. P-1003 is a landowner-requested minor route modification beginning at MP 2.8 and ending at MP 3.0R2 in Luzerne County, PA. Implementing this deviation avoids impacts to an orchard and reduces both temporary construction workspace and permanent land requirements. This deviation is located in previously surveyed areas and will not cause any additional adverse environmental impacts. In addition, the overall Project length increase is negligible. Landowners associated with Deviation No. P-1003 were identified in the April Landowner Lists as “Affected Landowners.” This deviation does not impact any new landowners.

Deviation No. P-1004

Deviation No. P-1004 is a route optimization beginning at MP 8.1R2 and ending at MP 8.3R2 in Luzerne County, PA. This deviation is approximately 350 feet longer than the prior route, has slightly greater land use impacts, and additional structures within 100 feet of the proposed Project route. However, this deviation impacts two (2) fewer landowners and improves avoidance of subsurface mining infrastructure when compared to the prior route. This route modification was previously not implemented due to the existence of

1. Accession nos. 20160406-5020 and 20160406-5021.

greenhouses on a parcel that were recently removed. This deviation improves the North Main Street and East Saylor Avenue crossing location. Although this deviation is slightly longer than the prior alternative, the improved roadway crossing location was a significant consideration in implementing the change.

Six (6) landowners associated with Deviation No. P-1004 were identified in the April Landowner Lists as “Affected Landowners.” One (1) landowner identified as an “Affected Abutter” in the April Landowner Lists will have a permanent easement on their property as a result of adopting this deviation. This landowner has been notified accordingly and is identified as an “Affected Landowner” in the updated landowner list, which is being filed contemporaneously herewith, as Volume IV [Privileged & Confidential].

Deviation No. P-1009

Deviation No. P-1009 accommodates a landowner request that begins at MP 3.9R2 and ends at MP 4.9 in Luzerne County, PA. Based on landowner feedback, PennEast relocated this segment of the route and the proposed Auburn Leidy/Transco meter station facility. With this deviation, PennEast will collocate the proposed meter station facility with an existing UGI meter station facility. This also optimizes the proposed pipeline and meter station facility locations, which were major considerations in implementing this change, and includes improved collocation with an existing Transco pipeline. Although this deviation will slightly increase land use impacts, it is located in a previously surveyed area and will not cause any additional adverse environmental impacts. Landowners associated with Deviation No. P-1009 were identified in the April Landowner Lists as “Affected Landowners.” This deviation does not impact any new landowners.

Deviation No. P-1010

Deviation No. P-1010 is a minor route modification to accommodate a landowner request to avoid impacting future uses of the properties. The deviation begins at MP 6.2R2 and ends at MP 6.7 in Luzerne County, PA, in a previously surveyed area. This deviation reduces the overall Project route length, construction workspace and land use impacts, and will not increase environmental impacts. Landowners associated with Deviation No. P-1010 were identified in the April Landowner Lists as “Affected Landowners.” This deviation does not impact any new landowners.

Deviation No. P-1011

Deviation No. P-1011 is a minor route modification based on feedback from multiple landowners, beginning at MP 1.5 and ending at MP 1.8R2 in Luzerne County, PA. This deviation is approximately 100 feet longer than the prior route and will have slightly greater land use impacts. However, implementing this deviation will impact fewer landowners, reduce impacts to a buildable parcel, and minimize tree clearing on another parcel. Landowner feedback was a significant consideration in the implementation of this change.

Four (4) landowners associated with Deviation No. P-1011 were identified in the April Landowner Lists as “Affected Landowners.” One (1) landowner previously identified as an “Affected Abutter” will have temporary workspace on their property as a result of adopting this deviation. This landowner has been notified accordingly and is identified as an “Affected Landowner” in the updated landowner list, which is being filed contemporaneously herewith, as Volume IV [Privileged & Confidential].

Deviation No. P-1012

Deviation No. P-1012 is a minor route optimization and landowner accommodation beginning at MP 9.8R2 and ending at MP 9.9R2 in Luzerne County, PA. This deviation is a slight modification of the proposed route to increase separation from active asphalt plant operations and to avoid a UGI Utilities, Inc. gas line and meter, which services the asphalt plant. This deviation reduces the overall Project length and land use impacts and is within previously surveyed areas. Implementing this deviation will not cause any additional adverse environmental impacts. Landowners associated with Deviation No. P-1012 were identified in the April Landowner Lists as “Affected Landowners.” This deviation does not impact any new landowners.

Deviation No. P-1014

Deviation No. P-1014 is a landowner accommodation beginning at MP 8.6R2 and ending at MP 9.6R2 in Luzerne County, PA. This deviation reflects additional collaboration with the quarry operator and optimizes collocation with the powerline corridor, significantly reducing the overall Project length, construction acreage, and land use impacts. This deviation is located in previously surveyed areas and will not increase environmental impacts. PennEast is currently in negotiations with the landowner, as part of the right of way (ROW) acquisition process, to acquire the mineral rights adjacent to the proposed route to further separate the pipeline from active mining operations. Landowners associated with Deviation No. P-1014 were identified in the April Landowner Lists as “Affected Landowners.” This deviation does not impact any new landowners.

Deviation No. P-1102

Deviation No. P-1102 is a route optimization beginning at MP 10.7R2 and ending at MP 11.3R2 in Luzerne County, PA. This deviation increases pipeline collocation with the powerline corridor, which improves the stream crossings while only slightly increasing the overall Project length and land use impacts. Three (3) landowners associated with Deviation No. 1102 were identified in the April Landowner Lists as “Affected Landowners.” One (1) landowner identified as an “Affected Abutter” in the April Landowner Lists will have a permanent easement on their property as a result of adopting this deviation. This landowner has been notified accordingly and is identified as an “Affected Landowner” in the updated landowner list, which is being filed contemporaneously herewith, as Volume IV [Privileged & Confidential].

Deviation No. P-1300

Deviation No. P-1300 is a route optimization beginning at MP 39.3R2 and ending at MP 40.9 in Carbon County, PA. This deviation increases collocation of the proposed pipeline route with the powerline corridor. Additionally, this deviation avoids having to install the pipeline parallel to a stream corridor. Although the overall Project length and land use impacts will increase slightly, minimizing the potential impacts to the stream corridor was a significant consideration when implementing this deviation. Landowners associated with Deviation No. P-1300 were identified in the April Landowner Lists as “Affected Landowners.” This deviation does not impact any new landowners.

Deviation No. P-1404

Deviation No. P-1404 is a landowner accommodation beginning at MP 42 and ending at MP 42.6R2 in Carbon County, PA. This minor route modification reflects additional collaboration with the landowner to relocate the proposed route alongside the road ROW to the north (Lovitt Road). This deviation is located in previously surveyed areas and will not cause any additional adverse environmental impacts. In addition, the differences in overall Project length and required land use impacts are negligible. Landowners associated with Deviation No. P-1404 were identified in the April Landowner Lists as “Affected Landowners.” This deviation does not impact any new landowners.

Deviation No. P-1405

Deviation No. P-1405 is a landowner accommodation beginning at MP 49.6R2 and ending at MP 50.8R2 in Carbon County, PA. This deviation reflects additional collaboration with the landowner to traverse a different ski slope and avoid impacts to sensitive snow-making infrastructure to the extent practicable. It also incorporates PennEast’s steep slope analysis to avoid potential geotechnical hazards along the hang gliding area. Although implementing the deviation slightly increases the overall Project length and land use impacts, this deviation is located in previously surveyed areas and will not cause any additional adverse environmental impacts. Landowners associated with Deviation No. P-1405 were identified in the April Landowner Lists as “Affected Landowners.” This deviation does not impact any new landowners.

Deviation No. P-1406

Deviation No. P-1406 is a minor modification to optimize the route beginning at MP 44.7R2 and ending at MP 44.8R2 in Carbon County, PA. This deviation modifies the route to avoid potential environmental impacts associated with installing the proposed pipeline parallel to a stream. Minimizing potential impacts to the stream corridor was a significant consideration in implementing this deviation. In addition, this deviation reduces the overall Project route length and land use impacts. Landowners associated

with Deviation No. P-1406 were identified in the April Landowner Lists as “Affected Landowners.” This deviation does not impact any new landowners.

Deviation No. P-1407

Deviation No. P-1407 is a landowner accommodation located around MP 45.7R2 in Carbon County, PA. This deviation is a minor route modification to move the proposed route farther from an existing structure. This deviation will not cause additional adverse environmental impacts and the differences in overall Project length and land use impacts are negligible. Landowners associated with Deviation No. P-1407 were identified in the April Landowner Lists as “Affected Landowners.” This deviation does not impact any new landowners.

Deviation No. P-1409

Deviation No. P-1409 is a route optimization beginning at MP 48.4R2 and ending at MP 49.5R2 in Carbon County, PA. This deviation modifies the Project route to avoid potential bog turtle habitat on the south side of Lower Smith Gap Road while collocating the proposed route with an existing utility infrastructure. This deviation minimizes impacts to forested wetlands, reduces the route length and land use impacts, and was implemented based on collaboration with United States Fish and Wildlife Service and the Pennsylvania Department of Environmental Protection.

Four (4) landowners (owning a total of five (5) parcels) associated with Deviation No. 1409 were identified in the April Landowner Lists as “Affected Landowners.” One (1) landowner previously identified as an “Affected Abutter” in the April Landowner Lists will have temporary workspace on their property as a result of adopting this deviation. One (1) landowner previously identified as an “Affected Abutter” in the April Landowner Lists will have a permanent easement on their property as a result of adopting this deviation. One (1) Affected Landowner will have an additional parcel with a permanent easement on it as a result of adopting this deviation. One (1) “Previously Contacted Landowner” will have a permanent easement on their property as a result of adopting this deviation. These landowners have been notified accordingly and are identified in the updated landowner list, which is being filed contemporaneously herewith, as Volume IV [Privileged & Confidential].

Deviation No. P-1500

Deviation No. P-1500 is to accommodate a landowner request beginning at MP 57.7R2 and ending at MP 59.5 in Northampton County, PA. This deviation modifies the route based on landowner feedback requesting that PennEast minimize workspace impacts. Although the overall Project route will be longer, the deviation reduces the number of parcels crossed and impacts one (1) less residence within 100 feet of the pipeline center line. In addition, although this deviation will increase the land use impacts, it will significantly reduce the amount of impacts to forested areas. Landowners associated with

Deviation No. P-1500 were identified in the April Landowner Lists as “Affected Landowners.” This deviation does not impact any new landowners.

Deviation No. P-1503

Deviation No. P-1503 is a minor route modification to optimize the route beginning at MP 51R2 and ending at MP 51.8R2 in Carbon and Northampton Counties, PA. This deviation modifies the route based on stakeholder feedback to optimize the Appalachian Trail crossing and accommodate a direct pipe methodology crossing. Although the deviation increases the pipeline route length, land use impacts, and number of impacted parcels, incorporating stakeholder feedback was a significant consideration for implementing this deviation.

Three (3) landowners (owning a total of eight (8) parcels) associated with Deviation No. 1503 were identified in the April Landowner Lists as “Affected Landowners.” Five (5) landowners (owning a total of six (6) parcels) identified in the April Landowner Lists as “Affected Abutters” will have permanent easements on their property as a result of this deviation. These landowners have been notified accordingly and are identified as “Affected Landowners” in the updated landowner list, which is being filed contemporaneously herewith, as Volume IV [Privileged & Confidential].

Deviation No. P-1506

Deviation No. P-1506 is a minor route modification based on a landowner request beginning at MP 53.0 and ending at MP 53.3R2 in Northampton County, PA. The pipeline alignment will be moved farther from a landowner’s home, which was the primary consideration for implementing the deviation, despite slight increases to the overall Project length and land use impacts. Landowners associated with Deviation No. P-1506 were identified in the April Landowner Lists as “Affected Landowners.” This deviation does not impact any new landowners.

Deviation No. P-1507

Deviation No. P-1507 is a minor route modification based on a landowner request beginning at MP 59.5R2 and ending at MP 60.0R2 in Northampton County, PA. It modifies the route by moving it away from the golf course and minimizing impacts to the treeline perimeter. In addition, the overall Project length and land use impact differences are negligible. Landowners associated with Deviation No. P-1507 were identified in the April Landowner Lists as “Affected Landowners.” This deviation does not impact any new landowners.

Deviation No. P-1601

Deviation No. P-1601 is a minor route optimization beginning at MP 67.5 and ending at MP 68.3 in Northampton County, PA. It optimizes the Route 22 crossing and realignment with surveyed utilities. Another reason PennEast selected this deviation was to accommodate a landowner request to avoid the landowner's mulch piles. In addition, the differences in the overall Project length, construction acreage, and land use impacts associated with this deviation are negligible. Landowners associated with Deviation No. P-1601 were identified in the April Landowner Lists as "Affected Landowners." This deviation does not impact any new landowners.

Deviation No. P-1603

Deviation No. P-1603 is a minor route modification due to a landowner request beginning at MP 63.6R2 and ending at MP 63.8 in Northampton County, PA. It reflects a route modification to minimize impacts to culturally sensitive sites and two (2) landowner subdivided lots. The differences in overall Project length and land use impacts are negligible. Landowners associated with Deviation No. P-1603 were identified in the April Landowner Lists as "Affected Landowners." This deviation does not impact any new landowners.

Deviation No. P-1604

Deviation No. P-1604 is a minor route modification based on a landowner request beginning at 61.9R2 and ending at MP 62.5R2 in Northampton County, PA. It reflects a route modification that shifts the pipeline alignment closer to Bath Pike, thus minimizing the impacts to the proposed Mohawk Real Estate Development property development. Accommodating a landowner request was a primary consideration for implementation, despite slight increases in overall Project length and land use impacts.

Three (3) landowners (owning a total of seven (7) parcels) associated with Deviation No. 1604 were identified in the April Landowner Lists as "Affected Landowners." One (1) landowner previously identified as an "Affected Abutter" will have a permanent easement on their property as a result of adopting this deviation. This landowner has been notified accordingly and is identified as an "Affected Landowner" in the updated landowner list, which is being filed contemporaneously herewith, as Volume IV [Privileged & Confidential].

Deviation No. P-1606

Deviation No. P-1606 is a minor route modification based on a landowner request beginning at MP 63.9 and ending at MP 64.4 in Northampton County, PA. It modifies the route by shifting the proposed pipeline alignment farther from the Trio Farms planned development into existing building setbacks, which was a primary consideration for implementation. However, the realignment maintains the same distance from existing

residences along Route 946. In addition, the difference in overall Project route length is negligible.

Six (6) landowners (owning a total of seven (7) parcels) associated with Deviation No. 1606 were identified in the April Landowner Lists as “Affected Landowners.” One (1) landowner previously identified as an “Affected Abutter” will have a permanent easement on their property as a result of adopting this deviation. This landowner has been notified accordingly and is identified as an “Affected Landowner” in the updated landowner list, which is being filed contemporaneously herewith, as Volume IV [Privileged & Confidential].

Deviation No. P-1609

Deviation No. P-1609 is a minor route modification based on a landowner request beginning at MP 61.5R2 and ending at MP 61.7R2 in Northampton County, PA. It modifies the route to avoid impacting the landowner’s operational runway located between Sterner Road and Bath Pike. In addition, the overall Project length and land use impact increases are negligible. Landowners associated with Deviation No. P-1609 were identified in the April Landowner Lists as “Affected Landowners.” This deviation does not impact any new landowners.

Deviation No. P-1708

Deviation No. P-1708 is a minor route modification based on a landowner request beginning at MP 76.8 and ending at MP 77.2R2 in Northampton County, PA. The primary consideration for implementation was to avoid a future development, despite slight increases in the overall Project length and land use impacts. Landowners associated with Deviation No. P-1708 were identified in the April Landowner Lists as “Affected Landowners.” This deviation does not impact any new landowners.

Deviation No. P-1710

Deviation No. P-1710 is a route modification beginning at MP 79.5R2 and ending at MP 81.7 in Hunterdon County, NJ. This deviation addresses cultural resources at the western side of the previous route and stakeholder guidance that PennEast avoid Gravel Hill at the eastern part of the previous route. The primary considerations for this route modification were to optimize the Gravel Hill Preserve crossing, to avoid parcels encumbered with United States Department of Agriculture (USDA) easements, and to avoid an area known to be sensitive for archaeological resources, as identified by stakeholders. As a result of negotiations with PSE&G, PennEast will be able to construct a large portion of the deviation entirely within the existing powerline corridor, mainly through the forested area, which will reduce permanent land impacts. Further, the portion of the deviation that is outside the existing PSE&G utility corridor is routed through open space and agricultural lands, which will not require additional clearing, thereby reducing permanent land impacts. The deviation slightly reduces the overall Project length and land use impacts.

Eight (8) landowners (owning a total of nine (9) parcels) associated with Deviation No. 1710 were identified in the April Landowner Lists as “Affected Landowners.” Three (3) landowners identified in the April Landowner Lists as “Affected Abutters” will have permanent easements on their property as a result of adopting this deviation. One (1) landowner previously identified in the April Landowner Lists as an “Affected Abutter” will have small amounts of temporary workspace on their property. Four (4) landowners identified in Appendix F of PennEast’s September 24, 2015 Certificate Application Filing (September 2015 Application) as “Impacted Landowners” will have permanent easements on their property as a result of adopting this deviation. Such landowners have been notified accordingly and are identified as “Affected Landowners” in the updated landowner list, which is being filed contemporaneously herewith, as Volume IV [Privileged & Confidential].

Deviation No. P-1711

Deviation No. P-1711 is a minor route modification beginning at MP 73.2 and ending at MP 74.1 in Northampton County, PA, which was developed to address stakeholder guidance that requested PennEast minimize impacts to federally-listed threatened and endangered species. It modifies the route to avoid a potential bog turtle habitat that would have been impacted by the prior alignment, which was the primary consideration for the implementation, despite overall increases in Project length, land use impacts, and the number of impacted parcels.

Five (5) landowners (owning a total of six (6) parcels) associated with Deviation No. P-1711 were identified in the April Landowner Lists as “Affected Landowners.” Two (2) landowners previously identified as “Affected Abutters” will have permanent easements on their property as a result of adopting this deviation. One (1) landowner previously identified in the April Landowner Lists as an “Affected Abutter” will have small amounts of temporary workspace on their property as a result of adopting Deviation No. P-1711. One (1) affected landowner will have two (2) additional parcels affected by permanent easements associated with Deviation No. P-1711. One (1) landowner identified in Appendix F of PennEast’s September 2015 Application as an “Abutter” will have small amounts of temporary workspace on their property as a result of adopting this deviation. All of these landowners have been notified of these changes and are identified accordingly in the updated landowner list, which is being filed contemporaneously herewith, as Volume IV [Privileged & Confidential].

Deviation No. P-1820

Deviation No. P-1820 is a minor route modification that begins at MP 82.4 and ends at MP 82.7 in Hunterdon County, NJ, which was developed in response to stakeholder guidance to avoid regulated resources. The primary consideration was to realign this portion of the route in order to avoid surface impacts and facilitate trenchless crossings of a wetland adjacent to Milford Warren-Glen Road and Spring Mills Brook, a Category One (C1) stream, despite slight increases in the overall Project length and land use impacts. Landowners associated with Deviation No. P-1820 were identified in the April

Landowner Lists as “Affected Landowners.” This deviation does not impact any new landowners.

Deviation No. P-1914

Deviation No. P-1914 is a route modification in response to NJDEP guidance to avoid regulated resources beginning at MP 96.2 ending at MP 97.2R2 in Hunterdon County, NJ. This deviation aligns the route for a trenchless crossing of a known long-tailed salamander habitat and Wickecheoke Creek, a C1 stream, and avoids three (3) USDA-encumbered parcels. Despite the overall increase to the number of parcels crossed, the decreased preserved land impacts were the primary considerations for implementing this deviation. The differences in overall Project route length and land use impacts are negligible.

Four (4) landowners associated with Deviation No. P-1914 were identified in the April Landowner Lists as “Affected Landowners.” Five (5) landowners previously identified as “Affected Abutters” will have permanent easements on their property and are now “Affected Landowners” as a result of adopting this deviation. One (1) landowner identified in the April Landowner Lists as an “Affected Abutter” will have small amounts of temporary workspace on their property and is still categorized as an “Affected Abutter.” Such landowners have been notified accordingly and are identified in the updated landowner list, which is being filed contemporaneously herewith, as Volume IV [Privileged & Confidential].

Deviation No. P-1916

Deviation No. P-1916 is a minor route modification that begins at 92.6R2 and ends at MP 92.8R2 in Hunterdon County, NJ, which was developed in response to stakeholder guidance to avoid preserved lands. It modifies the route to avoid two (2) Green Acres parcels. Although the overall Project length and land use impacts increase slightly, this deviation crosses half the number of parcels than the previous route crossed. Landowners associated with Deviation No. P-1916 were identified in the April Landowner Lists as “Affected Landowners.” This deviation does not impact any new landowners.

Deviation No. P-2010

Deviation No. P-2010 is a minor route modification that begins at 103.0R2 and ends at MP 103.2R2 in Hunterdon County, NJ, which was developed in response to stakeholder guidance that PennEast should try to avoid all vernal pools. This deviation modifies the route to avoid a known vernal pool. In addition, two (2) fewer parcels are crossed and the overall Project length and land use impacts are slightly reduced. Landowners associated with Deviation No. P-2010 were identified in the April Landowner Lists as “Affected Landowners.” This deviation does not impact any new landowners.

Deviation No. P-2011

Deviation No. P-2011 is a minor modification to optimize the route beginning at MP 104.1R2 and ending at MP 104.3R2 in Hunterdon County, NJ. Pursuant to ongoing discussions with PSE&G, this deviation will realign the route to be collocated with an existing PSE&G utility easement, which was the primary consideration for implementing the deviation, despite slight increases in overall Project length and land use impacts. Landowners associated with Deviation No. P-2011 were identified in the April Landowner Lists as “Affected Landowners.” This deviation does not impact any new landowners.

Deviation No. P-2102

Deviation No. P-2102 is a minor route modification to accommodate a landowner request beginning at MP 112.0R2 and ending at MP 112.3R2 in Mercer County, NJ. The route modification minimizes impacts to the landowner’s hops fields, which was the primary consideration for implementation, despite slight increases in overall Project length and land use impacts. The deviation moves the pipeline into existing building setbacks, which avoids conflicts with future building plans on both parcels. Landowners associated with Deviation No. P-2102 were identified in the April Landowner Lists as “Affected Landowners.” This deviation does not impact any new landowners.

Hydrostatic Test Water Storage Descriptions

Introduction

For the PennEast Pipeline Project (Project), adequate water storage is required to allow for a continuous fill of the pipeline during hydrostatic testing operation in order to prevent excessive air entrapment in the pipeline. Each construction spread was evaluated and PennEast Pipeline Company, LLC (PennEast) determined that one million gallons would be required and stored in either frac-tanks or a lake tank at various strategic locations throughout the Project area. The required workspace associated with the hydrostatic test operations related to water storage has been depicted for each spread, with a brief description, as further detailed below.

ATWS-1923, Spread 1

This hydrostatic test water storage additional temporary workspace (ATWS) is shown on alignment sheet 000-03-01-022. The ATWS is located in Plains Township, Luzerne County, PA, and consists of 0.69 acre of sparse woodland and abandoned mine lands. The ATWS is located south of Ridgewood Road, which is currently used by trucks hauling minerals from the nearby quarry. A hydrant is located approximately 2,400 feet east along Route 315 and could be used as a primary water source. Located at mile post (MP) 10.3, the ATWS is able to store water for hydrostatic test sections in either direction. This ATWS would allow for the use of frac-tanks or lake tank storage and could be filled using tankers or slick lines.

ATWS-1924, Spread 2

This hydrostatic test water storage ATWS is shown on alignment sheet 000-03-01-058. The 1.14-acre ATWS is located in Kidder Township, Carbon County, PA, in a wooded land parcel located adjacent to an existing energy corridor. This ATWS is located at MP 28.9 and would allow for water trucking or pumping from Boulder Lake to the site to be used during hydrostatic testing operations. This ATWS enables the water to be transported along existing roadways and the construction right-of-way (ROW) without increasing truck traffic near the residential subdivision. The ATWS would be able to use either frac-tanks or lake tank storage methods.

ATWS-1925, Spread 3

This hydrostatic test water storage ATWS is shown on alignment sheets 000-03-01-121 and 000-03-01-122. This ATWS is located in East Allen Township, Northampton County, PA, and consists of 0.69 acres of agricultural land. The ATWS is located on the west side of Route 512 and provides good truck access. A hydrant is located approximately 500 feet south of the ATWS. The ATWS is located at MP 60.5 and could provide test water both up and down the line. The site will require minimal grading to provide an adequate footprint for the storage, safe access, and reliable water source. The location could store water by either frac-tank or lake tank storage methodology.

ATWS-1926, Spread 4

This hydrostatic test water storage ATWS is shown on alignment sheets 000-03-01-209 and 000-03-01-210. The site is located in Hopewell Township, Mercer County, NJ, and consists of 0.72 acres of agricultural land near Goat Hill Road. The D&R Canal is located approximately 2,500 feet to the southwest of the site; the Delaware River is approximately 800 feet further southwest of the D&R Canal. This ATWS is located at MP 104.6 and will allow for truck access along both State Route 29 and Valley Road. The ATWS location is gently sloped, requiring minimal site preparation for its use of either frac-tanks or lake tank storage methods.

Enhanced Collocation Descriptions

PSE&G Enhanced Collocation – Non-Gravel Hill Areas

PennEast has been in ongoing negotiations with PSE&G to allow for an overlap occupation of permanent easements between the utility companies. The intent is to install the proposed PennEast pipeline on the edge of PSE&G's permanent easement, with 15 feet of overlap between the utilities. In these areas, PennEast will have an offset permanent easement, with 35 feet to the outside of the existing PSE&G easement and 15 feet within the existing easement. Additionally, PennEast will have construction workspace within the PSE&G easement which will decrease the amount of tree clearing and impacts to sensitive New Jersey resources, as these areas have been previously disturbed.

For a depiction of this overlapping occupation, refer to alignment sheets 000-03-01-203 through 000-03-01-205 (approximate MPs 101.4R2 to 102.3R2), 000-03-01-206 through 000-03-01-207 (approximate MPs 103.0R2 to 103.4), and 000-03-01-209 (approximate MPs 104.1 to 104.5).

PSE&G Enhanced Collocation – Gravel Hill Area

In addition to the modifications described above, PennEast has also negotiated installing the pipeline entirely within the existing PSE&G easement through the Gravel Hill Preserve. This collocation is partially depicted in mapping for Deviation No. 1710 in Appendix P, which is provided in Volume II of this filing. PennEast will reduce the permanent easement from 50 feet to 30 feet upon entering the PSE&G easement and abut the northern easement edge for the entire length through Gravel Hill Preserve, until the proposed route reaches open space. Additionally, temporary construction workspace will not extend beyond the northern easement boundary; therefore, the existing easement will contain all workspace within previously-disturbed acreage and will isolate tree clearing to the utility easement entry and exit locations on the western and eastern extents of the Gravel Hill Preserve hillside.

For a depiction of this construction layout, refer to alignment sheets 000-03-01-162 through 000-03-01-163.1 (approximate MPs 81.0R2 to 81.5R2).

Access Road Modification Rationale

The rationale for changes to the PennEast Pipeline Project (Project) access roads between May 2016 and September 2016 largely fall into one (1) of the following categories, further described herein.

Modified or Removed Access Roads

Modified: Previously identified access roads have been modified to abut the construction footprint and centerline of the route modifications submitted in Volume V herewith. Modifications include length or path deviation to better tie into the construction right-of-way (ROW) footprint.

Redundant: Previously identified access roads that have been eliminated due to alternative access points. The change is a result of identifying better accessibility along the route.

Removed: Previously identified access roads which have been eliminated entirely. These changes resulted from the route deviations submitted in Volume V herewith.

Additional Access Roads

Added: New access roads not previously identified. Most of these changes are the result of a route deviation which requires access.

Trenchless Support: New access roads that are needed to support the use of trenchless technology. Additional access is required to allow the travel of equipment along the construction ROW when the passage through environmental features is eliminated to reduce impacts. Access roads were also added to support pipeline installation through horizontal directional drilling (HDD) methodology.

Delivery Point Modification Description

As a result of ongoing coordination with Algonquin Gas Transmission, LLC (Algonquin) and Texas Eastern Transmission, LP (TETCO), the Algonquin and TETCO interconnects, located on parcel LB-HU-002 in Hunterdon County, West Amwell Township, NJ, have been modified to deliver gas to a revised location, approximately 0.4 mile to the northwest, from the previously depicted terminus of the Lambertville Lateral in PennEast's Second Supplemental Response to FERC's February 10, 2016 Data Request, submitted on March 24, 2016 (*see* accession no. 20160325-5021).

The station's piping, totalling 36 inches in diameter and approximately 0.5 mile in length, travels through the existing facility on parcel LB-HU-001.000 and terminates at an existing scraper trap site on parcel LB-HU-001.000-CR. TETCO currently owns and operates both the parcels and pipeline facilities.

This modification increases the Project footprint by approximately 8.2 acres: 2.6 acres are temporary impacts and 5.6 acres are permanent impacts. Almost 70% of this acreage is previously disturbed commercial and industrial land use.

This modification addresses feedback from the utilities involved in the interconnect agreement and delineates the ownership of the proposed aboveground facility equipment for future operation. Additionally, the modification minimizes impacts to existing infrastructure and forested areas to the extent practicable. For a depiction of this change, refer to Site Layout drawing 026-03-00-001, which shows the full extent of this modification.