

*Atlantic Sunrise Project – PA DEP Chapter 105 Joint Permit Application
Transcontinental Gas Pipe Line Company, LLC
Lebanon County*

ATTACHMENT D -1
SUMMARY OF PHMC COORDINATION

Revised November 18, 2016

Note: This Attachment has been replaced in its entirety

Agency Consultation/Coordination: The results of the archaeological and Architectural History field surveys conducted in Lebanon County have been submitted to the PHMC for review, as parts of four report packages: the March 2015 Initial Report Package, the November 2015 Addendum 1 Report Package, the May 2016 Addendum 2 Report Package, and the August 2016 Addendum 3 Report Package. These report submittals are marked “Contains Privileged Information – Do Not Release,” and can be available upon request directly to the PHMC. The PHMC has not requested any other specific survey methodologies or data with regard to the Project elements in Lebanon County, aside from that supplied in the following reports and PHMC correspondence (**Table D-1**) and copies of these clearance/approval letters are provided within Attachment D-2.

**Table D-1
 Project CRM Report Submittals and PHMC Responses**

Report Package Submission	PHMC Response Correspondence
March 2015 Initial Report Package	<u>Archaeology and Geomorphology</u> : Concurrence letter from the PHMC dated 21 September 2015
	<u>Architectural History</u> : Confirmation of receipt letter from the PHMC dated 22 April 2015
November 2015 Addendum 1 Report Package	<u>Archaeology and Geomorphology</u> : Concurrence letter from the PHMC dated 8 March 2016
	<u>Architectural History</u> : Confirmation of receipt letter from the PHMC dated 14 December 2015
May 2016 Addendum 2 Report Package	<u>Archaeology and Geomorphology</u> : Concurrence letter from the PHMC dated 14 July 2016
	<u>Architectural History</u> : Confirmation of receipt letter from the PHMC dated 27 June 2016
August 2016 Addendum 3 Report Package	<u>Archaeology and Geomorphology</u> : Concurrence letter from the PHMC dated 21 September 2016
	<u>Architectural History</u> : Confirmation of receipt letter from the PHMC dated 19 September 2016

The Unanticipated Discovery Plan prepared for the Project was included as part of the March 2015 Phase I report submittal, and approved for use by the PHMC in the 21 September 2015 response letter (noted above). The Unanticipated Cultural and Human Remains Discovery Plans and the Unanticipated Discovery Plan for Paleontological Resources Plan are included as Attachments 4 and 5, respectively, within the ECP (Attachment M).

Public Outreach: An open house for the Project in Lebanon County was held at Annville-Cleona High School on June 10, 2014. Public comment from several landowners was received on potential cultural issues, all of which were examined and addressed during the cultural resources field reconnaissance for the Project. In addition to the open house, consultation was initiated with the Lebanon County Historical Society, Fort Indiantown Gap Military Installation, and Friends of Old Annville concerning cultural resources in Lebanon County. The Lebanon County Historical Society and the Friends of Old Annville had no comment on the Project. Consultation concerning cultural resources within Fort Indiantown Gap is currently ongoing, and was conducted during fieldwork and reporting on the base.

Consultation was also initiated with 25 Native American tribal entities that may have cultural resources concerns within Lebanon County. Of the 25 tribes contacted, the Catawba Indian Tribe, Delaware Nation, Delaware Tribe of Indians, Oneida Nation, and the Stockbridge Munsee Band of Mohicans requested Project cultural resources documentation and provided comment on the Project. Cultural resources documentation has been provided, and coordination is ongoing with these five tribal entities.

Cultural Resources Survey Summary: The Phase I archaeological field reconnaissance conducted in Lebanon County was focused on 28.4 miles of the proposed CPL-South alignment, encompassing 1122.95 acres of which 1019.72 acres have been investigated; the remaining 103.23 acres has been inaccessible. The field survey investigated a 300-foot-wide study corridor on CPL-South through Lebanon County, in addition to full survey coverage of ancillary work areas, which resulted in the examination of 13,340 SL (including radial shovel tests) in Lebanon County. The field survey recorded 1,879 SL as occurring on steep slopes, 480 SL as wet (in either a waterbody or wetland), 3,749 SL within agricultural fields displaying sufficient ground surface visibility to meet PHMC guidelines, and 1,140 SL were determined to have been subjected to modern ground disturbance (most commonly underground pipeline utilities). The field crew also visually inspected 150 SL in residential properties. The visual inspection was supplemented by the excavation of 5,642 shovel tests. These investigations resulted in the identification of 20 archaeological resources within the current limits of the field survey, as outlined in the section below.

The Architectural History field reconnaissance of the Project elements in Lebanon County resulted in the identification of 72 historic-era aboveground resources located within the viewshed of the Project. An additional 10 aboveground resources were identified during field reconnaissance, on work areas subsequently removed from consideration as Project land requirements.

The geomorphological desktop study identified the Swatara Creek crossing as an area of increased potential for encountering deeply buried cultural deposits, and recommended field examination. Deep testing was conducted along the eastern bank of Swatara Creek in 2015, with the results documented in the November 2015 Addendum 1 Report Package. The only resource found in that area was an isolated find (36LE/051); no additional geomorphological work along the eastern bank of Swatara Creek in the corridor is required. The western bank of Swatara Creek, which will require geomorphological testing, remains inaccessible; it will be investigated for deeply buried cultural deposits once access to that area becomes available.

Additional cultural resources fieldwork is projected in Lebanon County on realigned and previously-inaccessible tracts of the CPL-South loop and additional temporary-use work areas, once those areas become accessible.

Cultural Resources Identified: The Phase I archaeological field reconnaissance of the CPL-South study corridor in Lebanon County resulted in the identification of 20 archaeological resources. One of these resources, site 36LE0536, represents the archaeological footprint of a late 19th/early-mid 20th century farmstead, and contained archaeological deposits in context with extant, *in situ* structural remnants. This resource was recommended as Potentially Eligible for the NRHP, which was confirmed by the PHMC on August 5, 2014, and in its response to the March 2015 report. Field survey of a reroute alignment has subsequently avoided this resource entirely, and it is no longer projected for impacts as part of the Project. Similarly, 36LE0540 is a mid-late 19th century homestead with substantive archaeological deposits and *in situ* probable cellar remains and a water well. This resource was recommended as Potentially Eligible for

the NRHP, which was confirmed by the PHMC on May 13, 2015, and in its response to the November 2015 report. The Project APE entirely avoids this site. With regard to the remaining 18 archaeological resources identified in Lebanon County, the PHMC has determined that no further archaeological investigations are required prior to construction.

A total of 82 aboveground resources were identified during the Architectural History survey conducted for Project land requirements in Lebanon County; 72 of these resources are currently located within the Project, while an additional 10 resources were identified on parcels subsequently removed from the Project APE (due primarily to changes in the Project alignment). Four resources had been previously determined Eligible by PHMC, while an additional resource was determined to be a rural historic district identified by Transco and confirmed by PHMC. Transco recommended five of the resources as Potentially Eligible and eight resources as Eligible for the NRHP. PHMC review concluded that one of the resources submitted as Potentially Eligible was not Potentially Eligible, and the additional four Potentially Eligible resources were folded into a rural historic district. Transco submittal of the eight resources recommended as Eligible resulted in PHMC determination of six Eligible resources and two Not Eligible resources. One resource has not been submitted to PHMC due to lack of access for survey, while another resource was determined to be Not Eligible by PHMC. PHMC determined there were no anticipated effects to the remaining 53 resources as a result of the Project.

Tables D-2 and D-3 list all cultural resources identified as a result of the archaeological and Architectural History work conducted in Lebanon County.

**Table D-2
Inventory of Archaeological Resources Identified in Lebanon County**

Resource ID	Type	Description	PHMC NRHP Determination	Treatment Status
36LE0547	Archaeological Resource	Historic Homestead	Not Eligible (11/24/2015)	No Further Work
36LE0539	Archaeological Resource	Prehistoric Isolated Find and Historic Farmstead	No DOE, Not Evaluated, No Further Work (1/7/2015)	No Further Work
36LE/028	Archaeological Resource	Historic Isolated Find	Not Evaluated, No Further Work (8/5/2014)	No Further Work
36LE/029	Archaeological Resource	Historic Isolated Find	Not Eligible, No Further Work (8/5/2014)	No Further Work
36LE0548	Archaeological Resource	Historic Surface/Subsurface Scatter	Not Eligible (11/24/2015)	No Further Work
36LE/040	Archaeological Resource	Multi-component Isolated Find	Not Evaluated, No Further Work (11/24/2015)	No Further Work
36LE0549	Archaeological Resource	Historic Subsurface Scatter	Not Eligible (11/24/2015)	No Further Work
36LE/039	Archaeological Resource	Prehistoric Isolated Find	Not Evaluated, No Further Work (11/24/2015)	No Further Work

Table D-2
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Resource ID	Type	Description	PHMC NRHP Determination	Treatment Status
36LE0536	Archaeological Resource	Historic Farmstead	Potentially Eligible (8/5/2014)	Avoidance
36LE/051	Archaeological Resource	Multi-component Isolated Find	Not Evaluated, No Further Work (11/24/2015)	No Further Work
36LE/031	Archaeological Resource	Historic Isolated Find	Not Evaluated, No Further Work (1/7/2014)	No Further Work
36LE0540	Archaeological Resource	Historic Homestead	Potentially Eligible (5/13/2015)	Avoidance
36LE0541	Archaeological Resource	Historic Surface/Subsurface Scatter	Not Eligible (5/13/2015)	No Further Work
36LE0554	Archaeological Resource	Historic Surface Scatter	Not Eligible (9/21/2016)	No Further Work
36LE/032	Archaeological Resource	Historic Isolated Find	Not Evaluated, No Further Work (1/7/2014)	No Further Work
36LE0425	Archaeological Resource	Multi-component Subsurface Scatter	Not Eligible (11/24/2015)	No Further Work
36LE/036	Archaeological Resource	Historic Isolated Find	Not Evaluated, No Further Work (11/24/2015)	No Further Work
36LE/037	Archaeological Resource	Historic Isolated Find	Not Evaluated, No Further Work (11/24/2015)	No Further Work
36LE/038	Archaeological Resource	Historic Isolated Find	Not Evaluated, No Further Work (11/24/2015)	No Further Work
36LE0546	Archaeological Resource	Prehistoric Subsurface Scatter	Not Eligible (11/24/2015)	No Further Work

Table D-3
Inventory of Aboveground Cultural Resources Identified in Lebanon County

BHP Key	Resource Description	Transco NRHP Recommendation	PHMC NRHP Determination and Anticipated Effects	Treatment Status
122695	Structure, Roadway (Pennsylvania Turnpike)	Eligible	Eligible; No Adverse Effect (8/23/2016)	No further work
862082	Farmstead, 4-bay Colonial Revival dwelling with Craftsman-style porch	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work
862081	Rails to Trails	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work

Table D-3
Inventory of Aboveground Cultural Resources Identified in Lebanon County

BHP Key	Resource Description	Transco NRHP Recommendation	PHMC NRHP Determination and Anticipated Effects	Treatment Status
862080	Farm, 3-bay stone dwelling with several additions	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work unless reroutes result in changes to impacts
862079	Farm, Stone house with multiple additions	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work unless reroutes result in changes to impacts
862078	Residential, Cape Cod dwelling	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work
862077	Farmstead, 3-bay dwelling with additions	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work
862076	Farmstead, Vernacular dwelling	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work
862192	Residential, Modern Movement dwelling	Not Eligible (1/7/2015)	Undetermined; No anticipated effects (2/2/2015)	No further work
862075	Farm, 4-bay brick Colonial Revival dwelling	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work unless reroutes result in changes to impacts
026605	Farmstead, 5-bay stone dwelling	Potentially Eligible (5/1/2015)	Undetermined; No anticipated effects (5/27/2015)	No further work unless reroutes result in changes to impacts
862226	Farm, Four-bay brick dwelling	Not Eligible (6/26/2015)	Undetermined; No anticipated effects (7/27/2015)	No further work
862074	Farmstead, Stone house with sandstone quoins	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work unless reroutes result in changes to impacts
862229	South Annville Rural Historic District	Eligible (7/29/2016)	Eligible; No Adverse Effect (8/22/2016)	No further work unless reroutes result in changes to impacts
862073 ^a	Farm, 4-bay stone dwelling with Georgian details	Potentially Eligible (11/10/2014)	None – now part of South Annville Rural Historic District	None – now part of South Annville Rural Historic District

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BHP Key	Resource Description	Transco NRHP Recommendation	PHMC NRHP Determination and Anticipated Effects	Treatment Status
026589 ^a	Farmstead, 3-bay stone dwelling with 2-bay addition	Potentially Eligible (11/10/2014)	None – now part of South Annville Rural Historic District	None – now part of South Annville Rural Historic District
862072	Farmstead, Stone dwelling with large ell addition	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work unless reroutes result in changes to impacts
026581 ^a	Farm, 5-bay stone dwelling with sandstone lintels	Potentially Eligible (11/10/2014)	None – now part of South Annville Rural Historic District	None – now part of South Annville Rural Historic District
026588 ^a	Farm, Brick dwelling with Colonial Revival details	Potentially Eligible (11/10/2014)	None – now part of South Annville Rural Historic District	None – now part of South Annville Rural Historic District
862071	Residential, Eclectic Stone dwelling	Eligible (5/20/2016)	Eligible; No Adverse Effect (6/17/2016)	No further work unless reroutes result in changes to impacts
026164	Outbuildings, Barns	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work
142969	Farmstead, Stone dwelling and brick dwelling	Eligible	Eligible; No Adverse Effect (8/23/2016)	No further work
862070	Residential, Vernacular wood-frame dwelling	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work
026177 and 026178	Farm, Vernacular wood-frame dwelling and stone dwelling	Not Eligible (1/7/2015)	Full HRSF Requested (2/2/2015), Pending Landowner Access	Pending Landowner Access
026144	Farmstead, 5-bay wood-frame dwelling constructed in two phases	Eligible (3/23/2016)	Eligible; No Adverse Effect (4/12/2016)	No further work unless reroutes result in changes to impacts
862069	Farm, Original dwelling form obstructed by additions	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work
862068	Farm, Concrete block Foursquare	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work unless reroutes result in changes to impacts

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BHP Key	Resource Description	Transco NRHP Recommendation	PHMC NRHP Determination and Anticipated Effects	Treatment Status
862067	Farm, Vernacular dwelling with multiple additions	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work
862066	Farmstead, 5-bay wood-frame dwelling	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work
862065	Farm, 4-bay wood-frame dwelling with front gable addition	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work
862064	Farm, 4-bay wood-frame dwelling with multiple additions	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work unless reroutes result in changes to impacts
862063	Farm, 3-bay Colonial Revival dwelling	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work unless reroutes result in changes to impacts
862062	Farmstead, 4-bay wood-frame dwelling	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work unless reroutes result in changes to impacts
862061	Farm, 3-bay wood-frame dwelling with multiple additions	Eligible (7/29/2016)	Eligible; No Adverse Effect (8/22/2016)	No further work unless reroutes result in changes to impacts
862060	Farm, 4-bay wood-frame dwelling	Eligible (5/20/2016)	Eligible; No Adverse Effect (6/17/2016)	No further work unless reroutes result in changes to impacts
862059	Farm, 4-bay wood-frame dwelling	Eligible (7/29/2016)	Not Eligible (8/22/2016)	No further work
862058	Farm, 2-bay dwelling expanded to 6 bays with enclosed porches	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work unless reroutes result in changes to impacts
862057	Residential, 2-bay vernacular dwelling	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work since resource is not a Tenant House for BHP Key 862059
862056	Farm, 3-bay wood-frame dwelling	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work

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BHP Key	Resource Description	Transco NRHP Recommendation	PHMC NRHP Determination and Anticipated Effects	Treatment Status
862191	Cemetery; Modern residential buildings	Not Evaluated (1/7/2015)	Undetermined; No anticipated effects (2/2/2015)	No further work unless reroutes result in changes to impacts
107363	Military Base (Fort Indiantown Gap Military Installation)	Eligible	Eligible; No Adverse Effect (8/23/2016)	No further work
862055	Outbuilding, Barn	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work
862190	Residential, 3-bay wood-frame dwelling	Not Eligible (1/7/2015)	Undetermined; No anticipated effects (2/2/2015)	No further work
862210	Farm, 4-bay Vernacular wood-frame dwelling	Not Eligible (5/1/2015)	Undetermined; No anticipated effects (5/27/2015)	No further work unless reroutes result in changes to impacts
862211	Residential, 3-bay Split Level dwelling	Not Eligible (5/1/2015)	Undetermined; No anticipated effects (5/27/2015)	No further work
862189	Residential, American Foursquare with alterations	Not Eligible (1/7/2015)	Undetermined; No anticipated effects (2/2/2015)	No further work
862188	Residential, 3-bay vernacular wood-frame dwelling	Not Eligible (1/7/2015)	Undetermined; No anticipated effects (2/2/2015)	No further work
862212	Farmstead, 3-bay Vernacular wood-frame dwelling	Not Eligible (5/1/2015)	Undetermined; No anticipated effects (5/27/2015)	No further work
862054	Farm, 3-bay wood-frame dwelling	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work unless reroutes result in changes to impacts
026840	Residential, log and wood-frame dwelling; former schoolhouse also on parcel	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work
862053	Residential, 4-bay dwelling with Gothic Revival detail	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work
862052	Residential, 3-bay wood-frame dwelling	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work

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BHP Key	Resource Description	Transco NRHP Recommendation	PHMC NRHP Determination and Anticipated Effects	Treatment Status
862051	Farmstead, 4-bay stone dwelling	Eligible (12/8/2015)	Eligible; No Adverse Effect (1/4/2016)	No further work unless reroutes result in changes to impacts
862050	Farmstead, 4-bay dwelling built in two sections	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work
026836	Residential, 3-bay vernacular wood-frame dwelling	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work
026835	Outbuilding, Barn	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work
144291	Appalachian Trail National Scenic	Eligible (11/10/2014)	Eligible; No Adverse Effect (8/23/2016)	Pending
862049	Farm, 5-bay wood-frame dwelling with Colonial Revival details	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work
026834	Farm, 3-bay wood-frame dwelling	Eligible (5/20/2016)	Not Eligible (6/17/2016)	No further work
862048	Farm, Italianate-style dwelling	Not Eligible (5/20/2016)	Not Eligible (6/17/2016)	No further work
862047	Farm, 4-bay wood-frame dwelling	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work unless reroutes result in changes to impacts
862046	Farm, 3-bay wood-frame dwelling	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work
026833	Residential, 5-bay wood-frame dwelling with additions over time	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work
862045	Residential, Raised Ranch dwelling	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work
862044	Farm, 3-bay wood-frame dwelling	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work
862043	Farm, Cape Cod dwelling	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work

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BHP Key	Resource Description	Transco NRHP Recommendation	PHMC NRHP Determination and Anticipated Effects	Treatment Status
862041	Residential, American Foursquare dwelling	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work
862042	Residential, Ranch dwelling	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work
862040	Residential, Front gable dwelling with Colonial Revival details	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work
862039	Farmstead, 4-bay dwelling with multiple additions	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work
862038	Farm, Log dwelling enlarged into a 3-bay Colonial Revival-style dwelling	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work
862037	Farm, Vernacular wood-frame dwelling	Not Eligible (11/10/2014)	Undetermined; No anticipated effects (12/11/2014)	No further work unless reroutes result in changes to impacts
^a - Resource located in South Annville Rural Historic District (BHP Key No. 862229)				