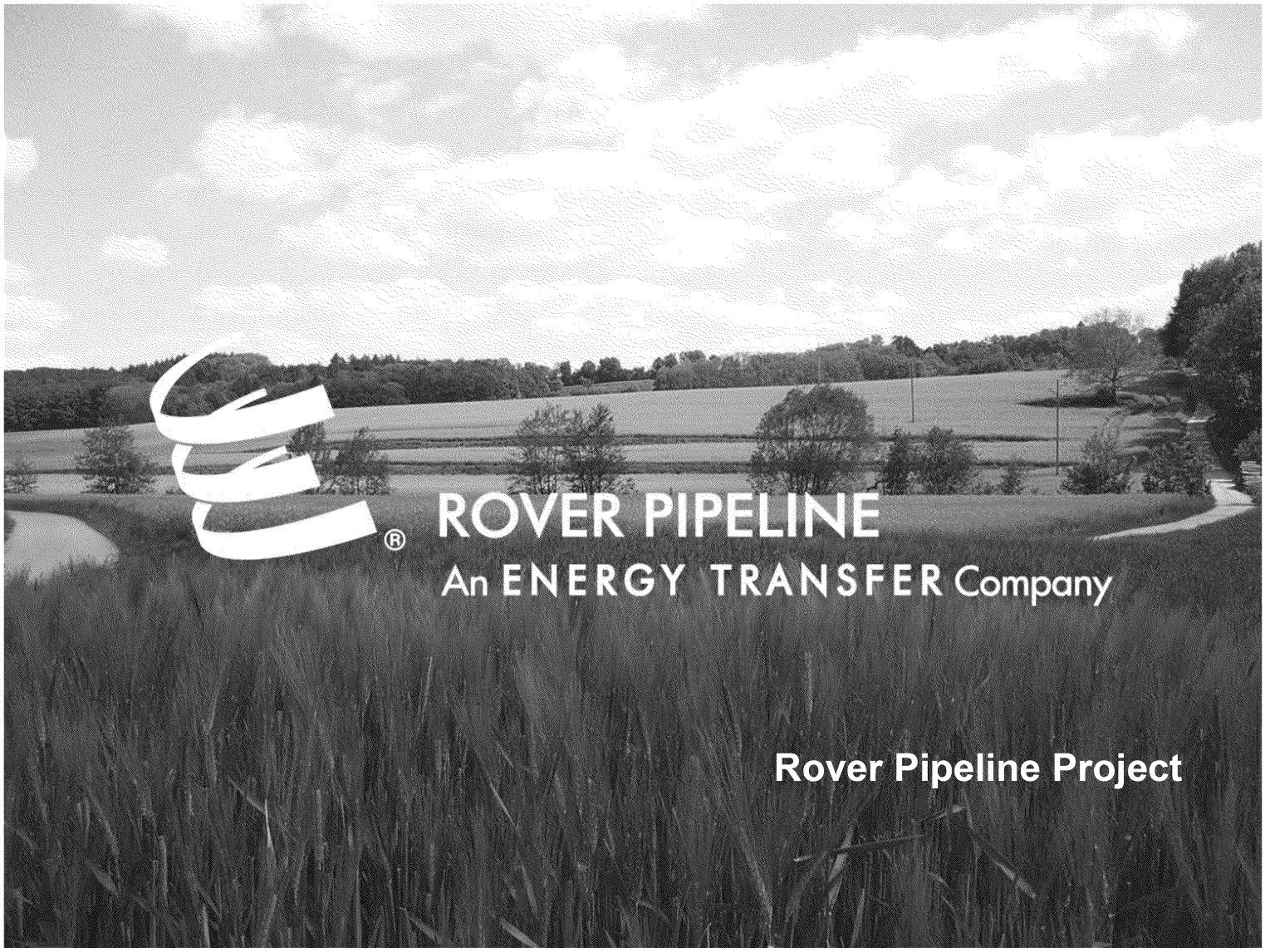
ROVER PIPELINE
An ENERGY TRANSFER Company
Rover Pipeline Project

Presentation Agenda

- PROJECT DESCRIPTION (FERC Resource Report 1)
- WATER USE AND QUALITY (FERC Resource Report 2)
- FISHERIES, VEGETATION AND WILDLIFE (FERC Resource Report 3)
- QUESTIONS / COMMENTS

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Project Description (FERC Resource Report 1)

- **The Rover Pipeline LLC (Rover), Rover Pipeline Project**
  - **Project Facilities**
    - **Supply Laterals:**
      - Eight supply laterals totaling approximately 199.3 miles of 24-, 30-, 36-, and 42-inch- diameter pipeline in West Virginia, Pennsylvania, and Ohio;
      - Approximately 70,870 horsepower (hp) at six new compressor stations in: Doddridge and Marshall counties, WV; Washington County, PA; and Noble, Monroe, and Harrison counties, OH
      - Various new receipt and delivery meter stations on the supply laterals.
    - **Mainlines A and B:**
      - Approximately 209.5 miles of 42-inch-diameter pipeline (Mainline A) in Ohio;
      - Approximately 202.1 miles of adjacent 42-inch-diameter pipeline (Mainline B) in Ohio; and
      - Approximately 114,945 hp at three new compressor stations in Carroll, Wayne, and Crawford, counties, Ohio.
    - **Market Segment:**
      - Approximately 209.4 miles of 42-inch-diameter pipeline in Ohio and Michigan;
      - Approximately 25,830 hp at one new compressor station to be located in Defiance County, Ohio;
      - Two new delivery meter stations in Defiance County, Ohio; and
      - Two new delivery meter stations in Washtenaw and Shiawassee counties, Michigan.

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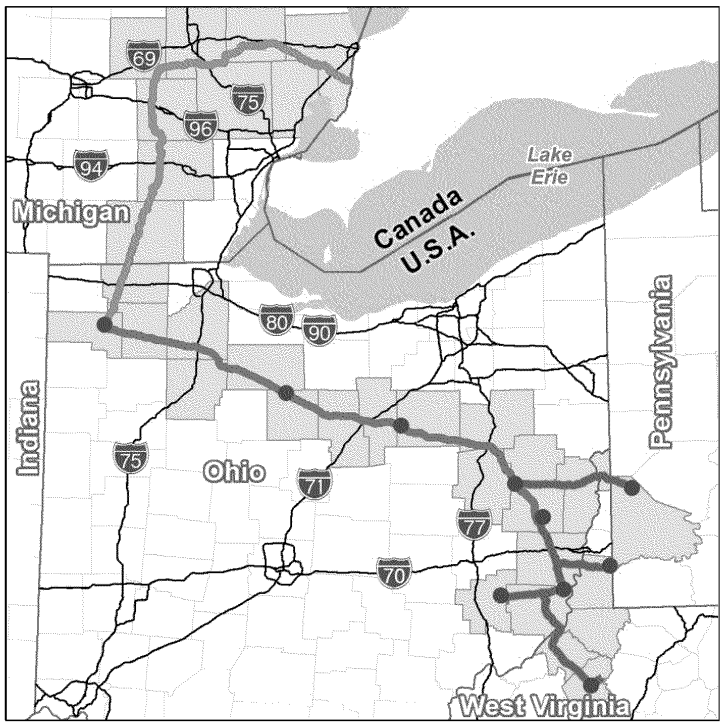
Project Description (FERC Resource Report 1)



Legend

- Interstate Highways
- Compressor Station
- Mainline Segment
- Market Segment
- Supply Lateral
- Counties Affected
- County Boundary

ROVER PIPELINE
An ENERGY TRANSFER Company

Project Description (FERC Resource Report 1)

• Purpose and Need

- Producer-driven pipeline project in which Marcellus and Utica producers have made long-term commitments for transportation capacity to move significant volumes of natural gas production to connections with interstate natural gas pipelines and storage facilities, as well as to major gas consuming markets in the Gulf Coast, Midwest and Canadian regions.
- Hub facilities connected to the Project at Defiance and Dawn will facilitate the delivery of natural gas to high-demand centers in the U.S. and Canada, thus increasing the diversity of supply, and helping to moderate gas prices by replacing declining supplies from the Gulf Coast.
- Project will also benefit local Midwest gas consumers by providing access to a readily available, stable, and competitively priced gas supply for local distribution companies connected to the Project.
- Project is fully subscribed and has the capacity to transport 3.25 billion cubic feet per day of natural gas.

• Planned Construction Schedule

- Submit Permit Applications – January 2015
- Construction (Supply Laterals and Mainlines A and B) – January 2016 to In-Service December 2016
- Construction (Market Segment) – In-Service June 2017

• Pipeline Construction Procedures

- Pipe will be installed using Typical Pipeline Construction Sequence
- Special construction procedures will be used at wetland and waterbody crossings, road and railroad crossings, agricultural areas, and residential areas.

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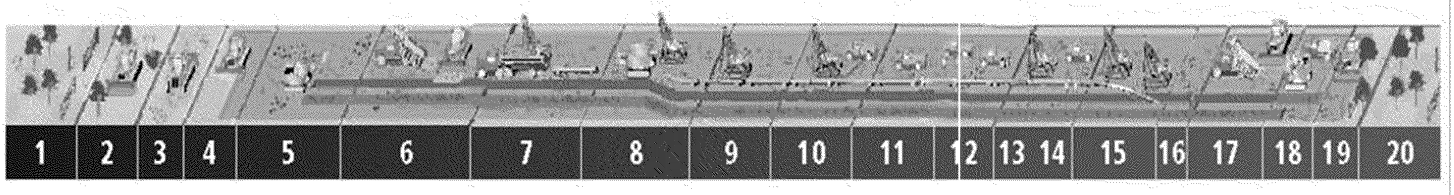
Project Description (FERC Resource Report 1)

TYPICAL PIPELINE CONSTRUCTION SEQUENCE



1. Construction
2. Clearing
3. Grading
4. Topsoil Stripping
5. Trenching
6. Padding Trench Bottom
7. Stringing
8. Bending
9. Line-up
10. Root Bead Welding
11. Fill & Cap Welding
12. X-Ray & Weld Repair
13. Coating Field Welds
14. Inspection & Repair of Coating
15. Lowering-In & Tie-Ins
16. As-Built Surveys
17. Pad & Backfill
18. Hydrostatic Testing & Final Tie-In
19. Cleanup & Restoration
20. FERC Inspections

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Project Description (FERC Resource Report 1)

- **Pipeline Construction Work Areas**
  - **Construction Right-of-Way:**
    - 150 feet in agricultural land (i.e., full right-of-way topsoil segregation);
    - 135 feet in upland areas where dual 42-inch pipelines will be installed (i.e., non-sensitive environmental areas where adequate workspace is available to expedite construction and install long sections of pipe);
    - 125 feet in upland areas where a single pipeline will be installed (i.e., non-sensitive environmental areas where adequate workspace is available to expedite construction and install long sections of pipe);
    - 120 feet in emergent and scrub-shrub wetlands where dual 42-inch pipelines will be installed;
    - 100 feet in emergent and scrub-shrub wetlands where a single pipeline will be installed;
    - 95 feet in forested wetlands where dual 42-inch pipelines will be installed, and where soil conditions are stable; and
    - 75 feet in forested wetlands where a single pipeline will be installed and where soil conditions are stable.
  - **Additional Temporary Workspace (ATWS):**
    - Typically required on both sides of road, railroad, wetland, and waterbody crossings, at truck turnarounds, at hydrostatic test water withdrawal pump locations, at pipe tie-ins, at HDD entry and exit points, at foreign pipeline or other utility crossings, and for staging and fabrication of drag sections.
  - **Access Roads:**
    - Access roads will be used to transport construction workers, equipment and materials to the construction work area from public interstate, state and county highways/roads.
    - Includes private roads and/or two-tracks that may require minor modification or improvement to safely support the expected loads associated with the movement of construction equipment and materials to and from the public roadways to the construction right-of-way.

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Project Description (FERC Resource Report 1)

- **Pipeline Construction Work Areas (cont'd)**
  - **Contractor Yards:**
    - Contractor storage yards are needed for various uses, such as stockpiling pipe, fabricating concrete weights and piping assemblies, staging construction operations, storing construction materials, parking equipment, and for temporary construction offices.
- **Permanent Pipeline Right-of-Way/Easement**
  - 50 feet for single pipeline
  - 60 feet for dual pipelines
- **Aboveground Facilities**
  - Rover will purchase land for construction and operation of the ten new compressor stations and four new meter stations. The compressor and meter stations will be located on land adjacent to the pipelines that is large enough to accommodate station facilities. The MLVs and launchers/receivers will be located within the permanent easement for the pipeline or at the compressor or meter station sites.
- **Estimated Workforce**
  - Peak construction workforce – Estimated at 10,000 workers
  - Approximately 40 to 60 percent of the workforce will be local hires
  - Operation – 30 to 50 workers will be hired for operation of the new pipeline system

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Project Description (FERC Resource Report 1)

- **Construction Plans**
  - *Upland Erosion Control, Revegetation and Maintenance Plan* (FERC Plan) to support the application of proper field construction methods in upland areas;
  - *Rover Waterbody and Wetland Construction and Mitigation Procedures* (Rover Procedures) to support the application of proper field construction methods in wetlands and waterbodies, including project-specific exceptions for which Rover is requesting authorization from FERC
  - *Spill Prevention and Response Procedures* (SPR Procedures) that provides procedures for hazardous materials transportation, handling, storage, spill prevention, and spill response;
  - *Horizontal Directional Drill Contingency Plan* (HDD Plan) that provides procedures to be followed during HDD operations to minimize the potential for release of drilling fluids, containment and cleanup of inadvertent releases of drilling fluids should they occur, and steps that will be followed if the HDD cannot be completed as planned;
  - Draft *Agricultural Impact Mitigation Plans* (AIM Plans) for Ohio and Michigan that contain measures that will be implemented at a minimum during construction through agricultural fields;
  - *Winter Restoration Plan* that specifies erosion control and stabilization measures that will be implemented in areas during winter construction and where the construction work areas are not fully restored and revegetated prior to winter; and
  - *Environmental Complaint Resolution Procedures* so that landowners and stakeholders may report environmental complaints or concerns, and a process for resolving these concerns.

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Project Description (FERC Resource Report 1)

- **Construction Compliance**
  - In addition to pipeline craft inspectors, Rover will employ full-time Environmental Inspectors, including Agricultural Inspectors, for the duration of Project construction to ensure compliance with environmental permit requirements.
  - Upon request by FERC, Rover will fund a third-party environmental compliance monitoring program that will be managed by FERC with the objective to assess environmental compliance.
- **Operations**
  - Routine maintenance of pipeline right-of-way and aboveground facilities;
  - Inspection, repair, and cleaning of pipeline; and
  - Maintenance of cathodic protection system.
- **Non-Jurisdictional Facilities**
  - Related facilities, such as electric distribution or other support systems that may be constructed to provide electricity or other services to the compressor or meter stations, that may be required to support Project.
  - None identified to date. If applicable, will be addressed in future submittals.
- **Estimated Project Land Requirements**
  - 11,318.96 acres during construction
  - 4,465.33 acres for operation (includes permanent easement and aboveground facility sites)
  - See Table 1

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TABLE 1
Summary of Estimated Construction and Operation Land Requirements

Facility	State	Construction [1] (acres)	Operation [2] (acres)
Supply Laterals:			
Pipelines	WV, PA, OH	3012.56	1185.26
Aboveground Facilities:	WV, PA, OH	328.86	328.86
Access Roads	WV, PA, OH	14.23	0
Contractor Yards	WV, PA, OH	313.51	0
	Supply Laterals Subtotal	*3669.16*	*1,514.12*
Mainlines:			
Mainlines A and B	OH	3,642.06	1,514.89
Aboveground Facilities:	OH	129.64	129.64
Access Roads	OH	0	0
Contractor Yards	OH	218.12	0
	Mainlines Subtotal	*3,989.82*	*1,644.53*
Market Segment	OH, MI	3,497.15	1,268.59
Aboveground Facilities:	OH, MI	38.09	38.09
Access Roads	OH, MI	3.7	0
Contractor Yards	OH, MI	121.04	0
	Market Segment Subtotal	*3,659.98*	*1,306.68*
	PROJECT TOTAL	**11,318.96**	**4,465.33**

[1] The construction work area includes the construction right-of-way, which varies from 75 to 150 feet, and ATWS where required.
[2] Permanent right-of-way is 60 feet for two pipelines (Mainlines A and B) and 50 feet for a single pipeline.

Project Description (FERC Resource Report 1)

- **Public Outreach**
  - Rover initiated contacts with federal and state agencies, and potentially affected landowners in June 2014;
  - Rover conducted 13 open houses along the proposed pipeline route in July and September 2014; and
  - FERC is currently conducting 10 scoping meetings along the pipeline route (November and December 2014).
- **Major Permits and Approvals**
  - FERC – Section 7(c) Certificate and Section 3(a) Presidential Permit for border crossing;
  - U.S. Army Corps of Engineers (Huntington, Pittsburgh, Buffalo, and Detroit Districts) – Section 404 and Section 10 permits;
  - U.S. Environmental Protection Agency – Comments on the Project;
  - U.S. Fish & Wildlife Service – Section 7 consultation;
  - West Virginia, Pennsylvania, and Ohio Air Quality Agencies – Clean Air Act permits;
  - State Historic Preservation Officers – Section 106 consultation;
  - Ohio Environmental Protection Agency – Section 401 Water Quality Certification;
  - Michigan Department of Environmental Quality – Section 401/404 Permits, Coastal Zone Consistency Determination; and
  - State Natural Resource Agencies – State species consultations.

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Project Description (FERC Resource Report 1)

- **Cumulative Impacts**
  - Includes other proposed or recently completed projects in the same vicinity (i.e., counties) as the Rover Pipeline Project.
  - 96 projects identified:
    - 48 in Ohio
    - 29 in Michigan
    - 14 in Pennsylvania
    - 6 in West Virginia

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Presentation Agenda

- PROJECT DESCRIPTION (FERC Resource Report 1)
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- QUESTIONS / COMMENTS

ROVER PIPELINE
An ENERGY TRANSFER Company

Water Use and Quality (FERC Resource Report 2)

- **Groundwater Resources**
  - Sole-Source Aquifers Crossed – None
  - Public and Private Water Supply Wells and Springs – 18 within 150 feet of the construction work areas
  - Wellhead Protection Areas –
    - Supply Laterals – None identified to date
    - Mainlines A and B – 7 identified (Total crossing length = 7.64 miles)
    - Market Segment – 11 identified (Total crossing length = 6.53 miles)
  - Procedures to Avoid or Minimize Impacts –
    - Upland Erosion Control, Revegetation, and Maintenance Plan (FERC Plan)
    - Rover Wetland and Waterbody Construction and Mitigation Procedures (Rover Procedures)
    - Spill Prevention and Response Procedures (SPR Procedures)

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Water Use and Quality (FERC Resource Report 2)

- **Surface Water Resources**
  - **Watersheds**
    - Project crosses 18 HUC-8 (subbasin) watersheds
  - **Surface Waters**
    - **Environmental Survey Completed:**
      - Data presented is based on surveys completed for 375.9 miles (60.8 percent) of the total pipeline system
    - **Waterbodies Crossed:**
      - Total of 599 identified to date. See Table 2.

TABLE 2
Summary of Waterbodies Crossed by the Rover Pipelines by Flow Type

Waterbodies by Crossing Width	Perennial Streams	Intermittent Streams	Ephemeral Streams	Lakes and Ponds
Major (over 100 feet wide)	12	0	0	2
Intermediate (10 to 100 feet wide)	93	27	0	2
Minor (less than 10 feet wide)	118	218	127	0
Total	223	245	127	4

Note:
Waterbodies in the workspace but not crossed by the pipeline are not included in this table as crossings. This table reflects all waterbody crossings surveyed to date, including occurrences where a waterbody is crossed by the pipeline more than once.

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Water Use and Quality (FERC Resource Report 2)

- **Surface Water Resources (cont'd)**
  - **Navigable Waters:**
    - Ohio River (3 crossings)
      - Pittsburgh District: 2 crossings - one on the Burgettstown Lateral and one on the Majorsville Lateral
      - Huntington District: 1 crossing on the Sherwood Lateral
    - St. Clair River (Detroit District) on the Market Segment
    - All crossings of navigable rivers will be by horizontal directional drill (HDD)
  - **Surface Water Intakes within 3 miles:**
    - Burgettstown Lateral – Ohio River: Intake approximately 1.27 river miles downstream of centerline
    - Seneca Lateral – Woodsville Reservoir/Sunfish Creek: Between 0.9 and 2.7 river miles downstream of centerline
    - Mainlines A and B – Black Fork Mohican River: Intake approximately 1.55 river miles downstream of centerline
    - Mainlines A and B – East Branch Portage River: Intake approximately 2.3 river miles downstream of centerline
    - Market Segment – St. Clair River: Intake approximately 1.9 river miles downstream of centerline
    - HDDs proposed for Ohio, Black Fork Mohican, and St. Clair Rivers

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Water Use and Quality (FERC Resource Report 2)

- **Surface Water Resources (cont'd)**
  - **Scenic Rivers:**
    - Tuscarawas River – Listed on the Nationwide Rivers Inventory
    - Maumee River – Ohio Scenic River
    - Sandusky River – Ohio Scenic River
    - These three rivers will be crossed by Mainlines A and B using HDD
  - **Waterbody Crossing Methods and Procedures:**
    - All construction across waterbodies will be in compliance with the Rover Procedures and SPR Procedures.
    - Crossing methods include: Open cut (wet trench), dam and pump and flume (dry trench), or HDD (trenchless).
    - Instream construction activities will be completed in 24 hours for minor water crossings (i.e., less than 10 feet wide), and within 48 hours for intermediate water crossings (i.e., greater than 10 feet but less than 100 feet) unless site-specific conditions make completion within 48 hours infeasible.
    - Restoration of stream banks will be completed within 24 hours following installation of the pipeline.
    - Banks will be returned to as close as possible to preconstruction contours or to a stable angle.
    - Major waterbody crossings (i.e., over 100 feet wide) require site-specific crossing plan.
    - ATWS will be placed at least 50 feet from water's edge (except in cultivated or rotated cropland) unless approved in writing by FERC due to site-specific conditions.
    - Erosion controls will be maintained throughout construction and until revegetation is complete.
    - Maintenance during operation will be limited to allow a riparian strip at least 25 feet wide to permanently revegetate. However, a 10-foot-wide corridor centered on the pipeline may be maintained in herbaceous vegetation to facilitate periodic corrosion/leak surveys, and trees within 15 feet of the pipeline that have roots that may compromise the integrity of the pipeline coating may be cut and removed.

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Water Use and Quality (FERC Resource Report 2)

- **Wetlands**
  - **Wetlands Crossed/Affected:**

TABLE 3
Summary of Wetlands Crossed

Wetland Type	Length Crossed (miles)	Temporary	Permanent	Total	Total PFO Conversion[1]
Supply Laterals					
PEM	0.71	2.85	2.84	5.69	0.28
PSS	0.34	3.61	3.59	7.2	
PFO	0.08	0.21	0.41	0.61	
Sub-Total	*1.13*	*6.67*	*6.84*	*13.5*	
Mainlines A and B					
PEM	1.66	9.38	10.21	19.60	7.93
PSS	0.12	0.87	0.73	1.59	
PFO	1.50	5.06	11.93	16.99	
Subtotal	*3.28*	*15.31*	*22.87*	*38.18*	
Market Segment					
PEM	3.90	19.76	22.28	42.04	9.51
PSS	1.49	7.62	8.74	16.36	
PFO	2.60	6.63	17.30	23.93	
Subtotal	*3.9*	*34.01*	*48.32*	*82.33*	
Total	**8.31**	**55.99**	**78.03**	**134.01**	**17.72**

Data presented is based on surveys completed for 375.9 miles (60.8 percent) of the total pipeline system.
[1] Represents acres of PFO wetland that will be converted to PEM/PSS cover types within the operational pipeline right-of-way.
PEM = emergent; PSS = scrub-shrub; PFO = forested.

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Water Use and Quality (FERC Resource Report 2)

- **Wetlands (cont'd)**
  - **Wetland Crossing Methods and Procedures:**
    - All construction across wetlands will be in compliance with the Rover Procedures and SPR Procedures.
    - Mats or timber rip rap will be used to support construction equipment where necessary to avoid rutting.
    - Construction equipment will be limited in wetlands to that needed to install the pipeline.
    - Vegetation will be cut just above ground level, leaving existing root systems in place.
    - Tree stumps will only be pulled from the trenchline except where removal from the working side of the construction right-of-way is required for safety reasons.
    - Topsoil will be segregated in unsaturated wetlands within the area disturbed by trenching.
    - Wetlands will be restored to pre-construction wetland contours to maintain wetland hydrology.
    - Fertilizer, lime, or mulch will not be used unless required in writing by appropriate federal or state agency.
    - Erosion controls will be maintained throughout construction and until revegetation is complete.
    - Wetland restoration will be considered complete when the affected wetland satisfies the current federal definition for a wetland and vegetation is at least 80 percent of the cover of adjacent undisturbed wetland areas.
  - **Compensatory Mitigation:**
    - Compensation for unavoidable wetland impacts will be through In-lieu fee programs, mitigation banks, or other approved programs in accordance with USACE or state requirements.

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Presentation Agenda

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ROVER PIPELINE
An ENERGY TRANSFER Company

FISHERIES, VEGETATION AND WILDLIFE (FERC Resource Report 3)

- **Fisheries**
  - **Fishery Resources:**
    - No designated trout waters crossed in West Virginia
    - The Burgettstown Lateral will cross Kings Creek (designated approved trout water) in Pennsylvania
    - Pipelines will cross Captina Creek, Sunfish Creek and tributaries (designated Exceptional Warmwater Habitat), and Clay Lick and tributaries, Island Creek tributaries, Grassy Run and tributaries, Lea Branch tributary (designated coldwater habitat) in Ohio
    - Market Segment will cross Kearsley Creek, Pine Creek, and the Belle River (designated trout streams)
  - **Construction Methods and Procedures:**
    - All construction will be in accordance with the Rover Procedures and SPR Procedures.

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FISHERIES, VEGETATION AND WILDLIFE (FERC Resource Report 3)

• Vegetation

TABLE 4
Land Use Acreage Affected by Construction and Operation

Workspace Type/ Facility	Forest / Woodland [1]		Agricultural [2]		Open Land [3]		Residential [4]		Industrial/ Commercial [5]		Open Water [6]		Total	
	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation
Supply Laterals														
Pipeline Right-of-Way:	2,010.53	790.6	760.65	297.82	98.41	39.29	136.7	51.89	0.1	0	6.17	5.66	3,012.56	1,185.26
Aboveground Facilities:	151.41	151.41	139.06	139.06	26.15	26.15	12.22	12.22	0	0	0.02	0.02	328.86	328.86
Access Roads:	0	0	0	0	0	0	0	0	14.23	0	0	0	14.23	0
Contractor Yards:	0	0	0	0	274.52	0	0	0	38.99	0	0	0	313.51	0
Subtotal Supply Laterals:	2,161.94	942.01	899.71	436.88	399.08	65.44	148.92	64.11	53.32	0.00	6.19	5.68	3,669.16	1,514.12
Mainlines														
Mainlines A and B	563.02	256.58	2,896.33	1,179.10	33.23	14.16	137.84	58.5	0	0	11.64	6.55	3,642.06	1,514.89
Market Segment	771.97	318.8	2,516.90	869.69	58.7	24.36	145.68	53.73	0	0	3.9	2.01	3,497.15	1,268.59
Aboveground Facilities:	8.39	8.39	152.59	152.59	0.3	0.3	6.45	6.45	0	0	0	0	167.73	167.73
Access Roads:	0	0	0	0	0	0	0	0	3.7	0	0	0	3.7	0
Contractor Yards:	0	0	0	0	159.51	0	0	0	179.65	0	0	0	339.16	0
Subtotal Mainlines:	1,343.38	583.77	5,565.82	2,201.38	251.74	38.82	289.97	118.68	183.35	0.00	15.54	8.56	7,649.80	2,951.21
PROJECT TOTAL:	3,505.32	1,525.78	6,465.53	2,638.26	650.82	104.26	438.89	182.79	236.67	0.00	21.73	14.24	11,318.96	4,465.33

Construction = Land affected during construction for pipeline facilities is comprised of the temporary construction right-of-way and additional temporary workspace (ATWS)
Permanent = Land affected during operation of the pipeline includes the permanent right-of-way.
1 Upland and wetland forest.
2 Active hayfields, cultivated land, and specialty crops.
3 Utility rights-of-way, open fields, vacant land, herbaceous and scrub-shrub uplands, non-forested lands, emergent and scrub-shrub wetlands, golf courses.
4 Existing developed residential areas, including low, medium, and high density residential neighborhoods, and urban/suburban residential.
5 Manufacturing or industrial plants, paved areas, landfills, mines, quarries, electric power or natural gas utility facilities, developed areas, roads, railroads and railroad yards, and commercial or retail facilities.
NOTE: Additional access roads and contractor yard locations pending January 2015 submittal.

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FISHERIES, VEGETATION AND WILDLIFE (FERC Resource Report 3)

• Federally Listed Threatened and Endangered Species

TABLE 5
Summary of Federally Listed Species that May Occur in the Project Area

Common Name, Scientific Name	Federally Listed [1]	Potentially Occurring In: WV	PA	OH	MI
Plants					
prairie white-fringed orchid, Platanthera leucophaea	T			X	X
Birds					
rufa red knot, Calidris canutus rufa	PT				X
Mammals					
Indiana bat, Myotis sodalis	E	X	X	X	X
northern long-eared bat, Myotis septentrionalis	PE	X	X	X	X
Reptiles and Amphibians					
eastern massasauga, Sistrurus catenatus	C			X	X
copperbelly water snake, Nerodia erythrogaster neglecta	T			X	
eastern hellbender, Cryptobranchus alleganiensis	PC			X	
Mussels					
clubshell, Pleurobema clava	E	X		X	
fanshell, Cyprogenia stegaria	E	X			
snuffbox, Epioblasma triquetra	E	X	X		X
northern riffleshell, Epioblasma torulosa rangiana	E			X	
pink mucket pearlymussel, Lampsilis abrupta	E	X	X		
rayed bean, Vilosa fabalis	E			X	X
sheepnose, Plethobasus cyphyus	E	X			
white catspaw, Epioblasma obliquata perobliqua	E			X	
Insects					
Mitchell's satyr, Neonympha mitchellii mitchellii	E				X
Poweshiek skipperling, Oarisma poweshiek	PE				X
Total	17	7	4	10	9

[1] E – Endangered; T = Threatened; C – Candidate. ; PE – Proposed Endangered; PT – Proposed Threatened; PC – Proposed Candidate

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FISHERIES, VEGETATION AND WILDLIFE (FERC Resource Report 3)

- **State Listed Threatened and Endangered Species**

TABLE 6
Summary of State Listed Species that May Occur in the Project Area

Species	WV	PA	OH	MI
Plants	-	16	124	89
Birds	-	-	9	16
Mammals	-	1	1	2
Reptiles & Amphibians	-	-	6	5
Mussels	-	4	25	12
Fish	-	-	13	14
Insects	-	-	12	7
Total	0	21	190	145

Note: West Virginia does not list threatened or endangered species.

- **Consultations with USFWS and state agencies ongoing**
- **Species-specific surveys will be conducted in 2015 where appropriate.**

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