



**25 PIPELINES**

## Natural Gas Pipelines Bring Major Investment, Jobs to the Appalachian Basin



**\$23.5 Billion**



**92,000 Jobs**

**3,000 miles**

**22.7 Bcf/d**

FERC Appalachian Basin Natural Gas Pipelines (OH, PA, WV)							
Pipeline Company	Project	State	Investment (millions)	Miles	Est. Jobs	MMcf/d	Status
Williams	<a href="#">Atlantic Sunrise</a>	PA	\$2,100	183	8,000	650	<a href="#">Operational</a>
Energy Transfer Partners	<a href="#">Rover</a>	OH, MI	\$4,200	713	13,000	3,250	<a href="#">Operational</a>
TransCanada	<a href="#">Leach Xpress</a>	OH	\$1,600	160	5,652	1,500	<a href="#">Operational</a>
Enbridge	<a href="#">NEXUS Gas Transmission Project</a>	MI, OH	\$1,500	255.9	5,235	1,500	<a href="#">Operational</a>
Tennessee Gas	Orion	PA	\$109	13	<a href="#">752</a>	135	<a href="#">Operational</a>
<b>Total Operational - 5 Pipelines</b>			<b>\$9,509</b>	<b>1324.9</b>	<b>32,639</b>	<b>7,035</b>	
TransCanada	<a href="#">Mountaineer Xpress</a>	WV	\$2,000	170.1	4,000	2,700	<a href="#">Partially operational</a>
Enbridge	<a href="#">Texas Eastern Appalachian Lease Project (TEAL)</a>	OH	\$183	4.7	<a href="#">272</a>	950.2	<a href="#">Partially operational</a>
TransCanada	<a href="#">WB Xpress</a>	VA, WV	\$900	29.2	<a href="#">1,690</a>	1,300	<a href="#">Partially operational</a>
<b>Total Partially Operational - 3 Pipelines</b>			<b>\$3,083</b>	<b>204</b>	<b>5,962</b>	<b>4,950</b>	
EQT Midstream, NextEra, Con Edison, WGL Midstream, RGC Midstream	<a href="#">Mountain Valley</a>	VA, WV	\$3,700	301	4,400	2,000	<a href="#">Under construction</a>
Dominion Energy	<a href="#">Atlantic Coast</a>	NC, VA, WV	\$2,700	564.1	17,240	2,000	<a href="#">Under construction</a>
Dominion Energy	<a href="#">Supply Header Project</a>	PA, WV	\$500	37.51	1,305	1,511	<a href="#">Under construction</a>
Eastern Shore Natural Gas	<a href="#">Expansion Project</a>	PA, MD, DE	\$98.60	39.6	<a href="#">2,292</a>	400	<a href="#">Under construction</a>
DTE Midstream	<a href="#">Birdsboro Pipeline</a>	PA	\$47	14	<a href="#">810</a>	79	<a href="#">Under construction</a>
UGI, Spectra Energy, NJR Pipeline, SJI Midstream, Southern Gas	<a href="#">PennEast</a>	NJ, PA	\$1,000	120	12,160	1,107	<a href="#">Permits approved</a>
National Fuel Supply	<a href="#">Northern Access</a>	PA, NY	\$500	99	1,680	490	<a href="#">Permits approved</a>
RH energytrans	<a href="#">Risberg Line</a>	PA, OH	\$86	28	<a href="#">1,621</a>	55	<a href="#">Permits approved</a>
National Fuel	<a href="#">Line N to Monaca</a>	PA	\$20	4.5	<a href="#">260</a>	133	<a href="#">Permits approved</a>
TransCanada	<a href="#">Eastern Panhandle Expansion</a>	MD, PA, WV	\$250	3.5	<a href="#">202</a>	47.5	<a href="#">Permits approved, blocked in Maryland</a>
Williams	<a href="#">Constitution</a>	PA, NY	\$683	124.1	1,300	650	<a href="#">Delayed indefinitely</a>
Adelphia Gateway	<a href="#">Adelphia Gateway</a>	PA	Estimate Not Yet Available	50	<a href="#">2,895</a>	250	<a href="#">Awaiting regulatory approval</a>
TransCanada	<a href="#">Buckeye Xpress</a>	OH, WV	<a href="#">\$209</a>	66.2	<a href="#">3,832</a>	700	<a href="#">Awaiting regulatory approval</a>
Empire Pipeline, Inc.	<a href="#">Empire North Project</a>	PA, NY	\$141	Estimate Not Yet Available	Estimate Not Available	205	<a href="#">Awaiting regulatory approval</a>
Dominion Energy	<a href="#">Sweden Valley</a>	PA, OH	\$48	4.9	<a href="#">283</a>	120	<a href="#">Awaiting regulatory approval</a>
Williams	<a href="#">Northeast Supply Enhancement</a>	NJ, NY, PA	\$927	37.09	3,186	400	<a href="#">Awaiting FERC EIS</a>
Williams	Leidy South	PA	Estimate Not Yet Available	Estimate Not Yet Available	Estimate Not Yet Available	<a href="#">580</a>	<a href="#">Pre-Filing</a>
<b>Total in progress - 17 Pipelines</b>			<b>\$10,909</b>	<b>1493.5</b>	<b>53,466</b>	<b>10,728</b>	
<b>Total Natural Gas Pipelines - 25</b>			<b>\$23,501.30</b>	<b>3,022.4</b>	<b>92,067</b>	<b>22,712.7</b>	