

It's Not Over Till It's Over

By Jeff Share

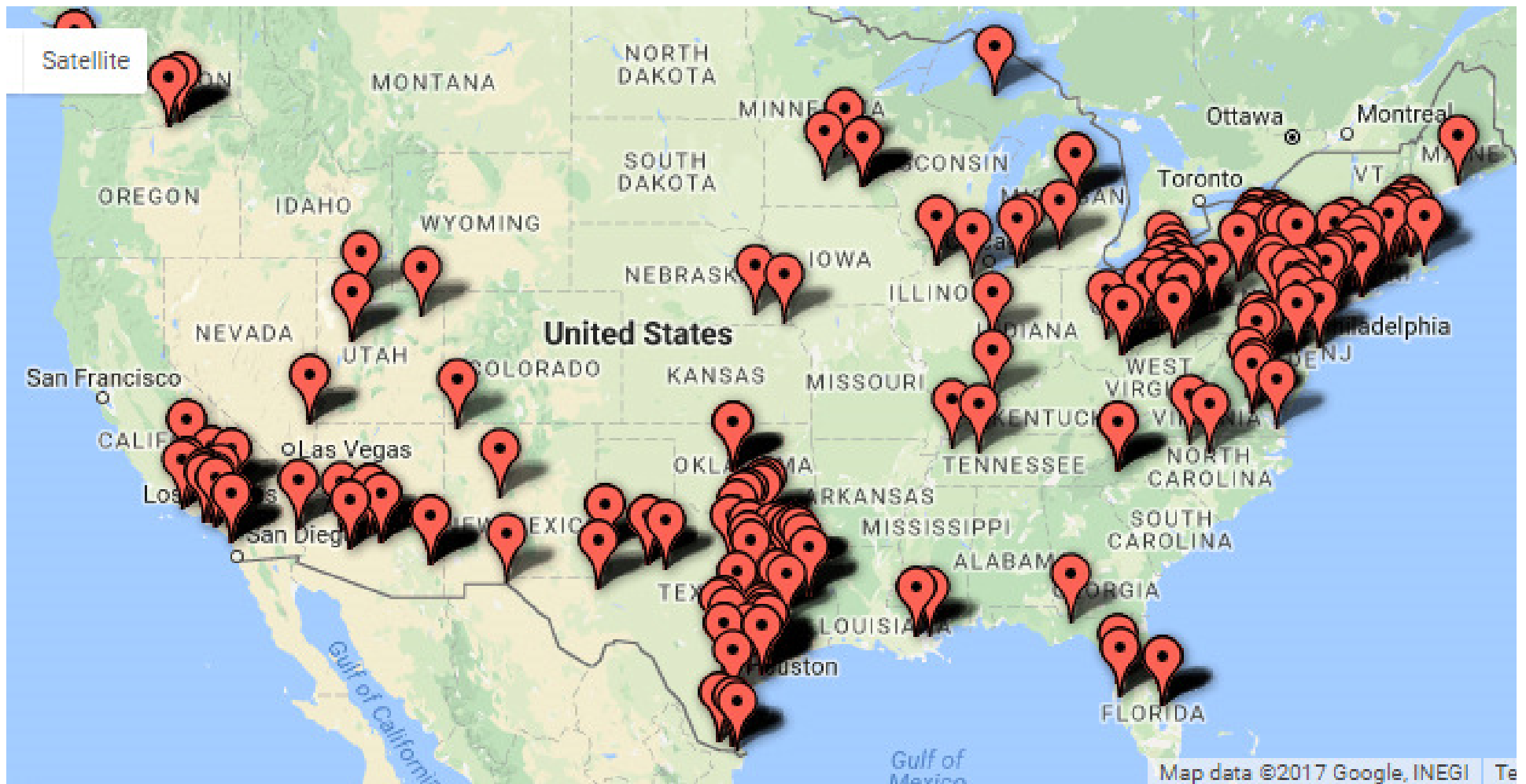
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Under Construction 45,412
Planned 38,390
Total 83,802

(Note: all figures are in miles)





www.eia.gov/outlooks/aeo/

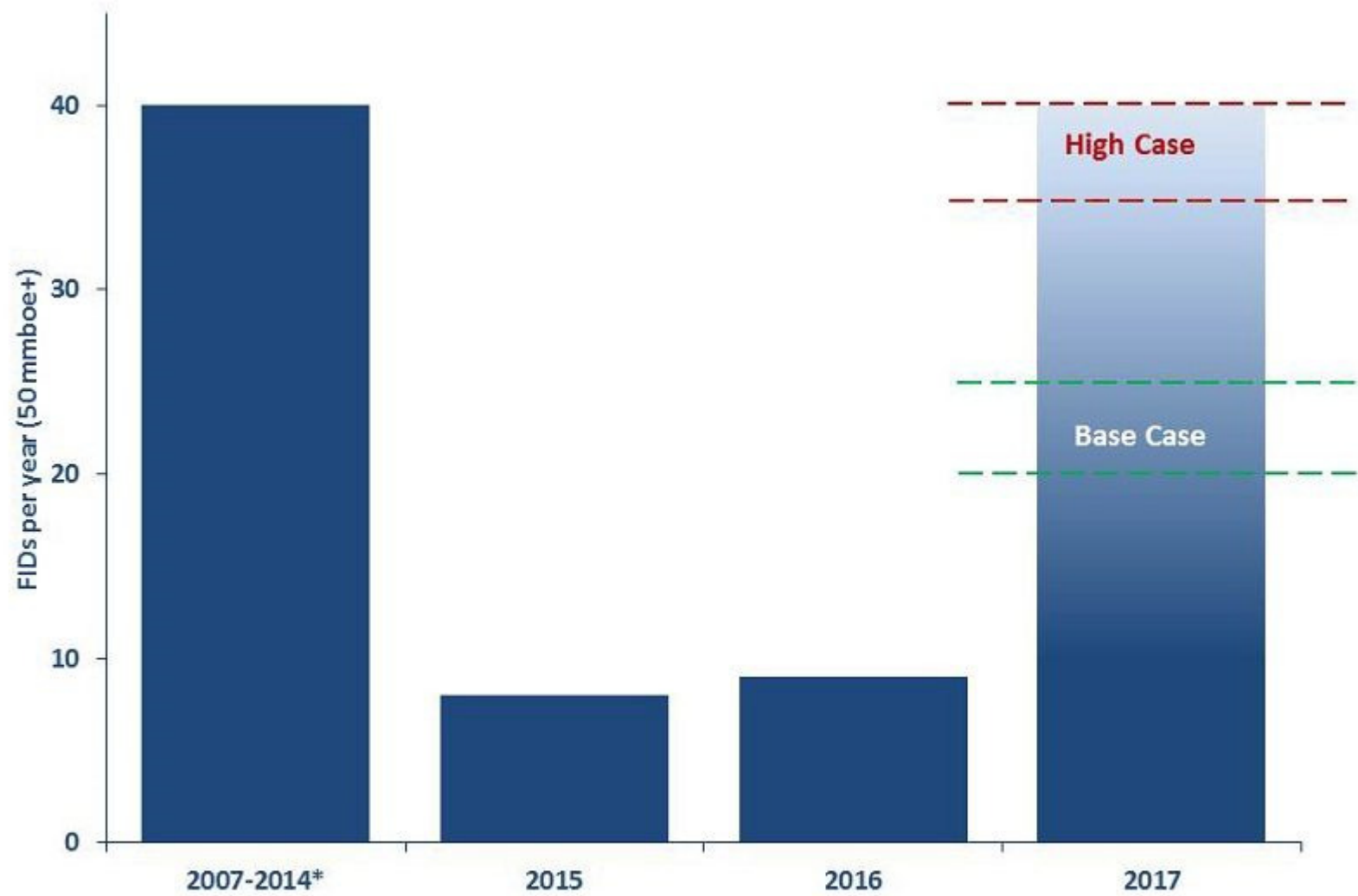
Annual Energy Outlook 2017
with projections to 2050



Independent Statistics & Analysis
U.S. Energy Information
Administration

#AEO2017

January 5, 2017
www.eia.gov/aeo



Source: Wood Mackenzie

2017 Major Pipeline Construction Outlook

Operator	Project	# Projects	Size (inches)	# Spreads	
Boardwalk Pipeline	Coastal Bend Header	1	36	2	
	Subtotal	1		2	
Cheniere	Corpus Christie	1	48	1	
	Subtotal	1		1	
Columbia Pipeline Group	Leach Xpress	1	36	5	
	Cameron Access	1	36	2	
	Mountaineer Xpress	1	36	8	mainly tree felling
	Subtotal	3		15	
Dominion Pipeline	Supply Header	1	36	1	
	Subtotal	1		1	
Energy Transfer	Rover - Pipe & Laterals	1	36 - 42	10	
	Sunoco Mariner East 2	1	20	7	
	Bayou Bridge	1	20	3	
	Palmetto Expressway	1	24	1	
	Revolution	1	30	1	
	Subtotal	5		22	
Enterprise Products	Midland to Sealy	1	24	5	
	Garyville RGP	1	30	1	
	ECHO Phase 2	1	30	1	
	Subtotal	3		7	
Howard Energy	Border Express	1	12	2	
	Nueva Era	1	30	1	
	Subtotal	2		3	

Operator	Project	# Projects	Size (inches)	# Spreads	
Kinder Morgan	Utopia	1	12	3	
	Connecticut Expansion	1	24	1	
	Orion	1	36	1	
	Susquehanna West	1	36	1	
	Southwest Louisiana Supply	1	36	1	
	Triad	1	36	1	
	Subtotal	6		8	
National Fuel	Northern Access	1	24	4	
	Subtotal	1		4	
Plains All American	Diamond	1	20	3	
	Subtotal	1		3	
Spectra Energy	Sabal Trail	1	36	5	carryover from 2016
	Atlantic Bridge	1	42	3	
	Nexus	1	36	4	
	Valley Crossing	1	42	4	
	Robstown	1	42 - 48	2	
	Subtotal	5		18	
Williams	Dalton Expansion	1	30	2	
	Atlantic Sunrise	1	30 - 42	4	9 total; potential delay
	Virginia Southside II	1	20	1	
	Hillabee	1	42 - 48	2	
	Subtotal	4		9	
Miscellaneous	Miscellaneous	30	various	30	misc. midsize / lateral
	Subtotal	30		30	
TOTAL - 2017		63		123	

2018 Major Pipeline Construction Outlook

	Operator	Project	# Projects	Size (inches)	# Spreads	
1	Columbia Pipeline Group	Mountaineer Xpress	1	36	8	
2		WB Xpress	1	24	1	
3		Subtotal	2		9	
4	Dominion Pipeline	Atlantic Coast	1	36	7	
5		Subtotal	1		7	
6	EQT Midstream	Mountain Valley	1	42	12	
7		Subtotal	1		12	
8	National Fuel	Empire North Expansion	1	24	2	
9		West Boylston Lateral	1	16	1	
10		Subtotal	2		3	
11	Pilgrim Pipeline	Pilgrim	1	18	8	
12		Subtotal	1		8	
13	Spectra Energy	Access Northeast	1	42	2	
14		Subtotal	1		2	
15	Spire	Spire STL	1	?	2	
16		Subtotal	1		2	
17	Williams	Constitution	1	30	2	
18		Northeast Supply Enhance	1	26 - 42	3	
19		Atlantic Sunrise	1	30 - 42	5	5 in 2018; 9 total
20		Subtotal	3		10	
21	Miscellaneous	Miscellaneous	30	various	30	misc. midsize / lateral
22		Subtotal	30		30	
	TOTAL - 2018		42		83	

2018 Major Pipeline Construction Outlook

	Operator	Project	# Projects	Size (inches)	# Spreads	
1	Atlanta Gas Light	Penn East Pipeline	1	36	4	
2		Subtotal	1		4	
3	Enbridge	Line 3 Replacement	1	30	4	
4		Subtotal	1		4	
5	Williams	Appalachian Connector	1	?	3	
6		Subtotal	1		3	
7	Williams Northwest	Pacific Connector	1	36	5	
8		Subtotal	1		5	
9	Miscellaneous	Miscellaneous	1	various	30	misc. midsize / lateral
10		Subtotal	1		30	
	TOTAL - 2019		5		46	

Summary:

Major Pipeline Constructon Outlook			
	Year	# Projects	# Spreads
1	2017	63	123
2	2018	42	83
3	2019	5	46
	TOTAL	110	252



March 21, 2017

Omni Galleria, Houston, TX

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Tom Hutchins, INGAA Foundation Chairman, vice president of EH&S for Kinder Morgan, Inc.,

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