PDP Hedging Program

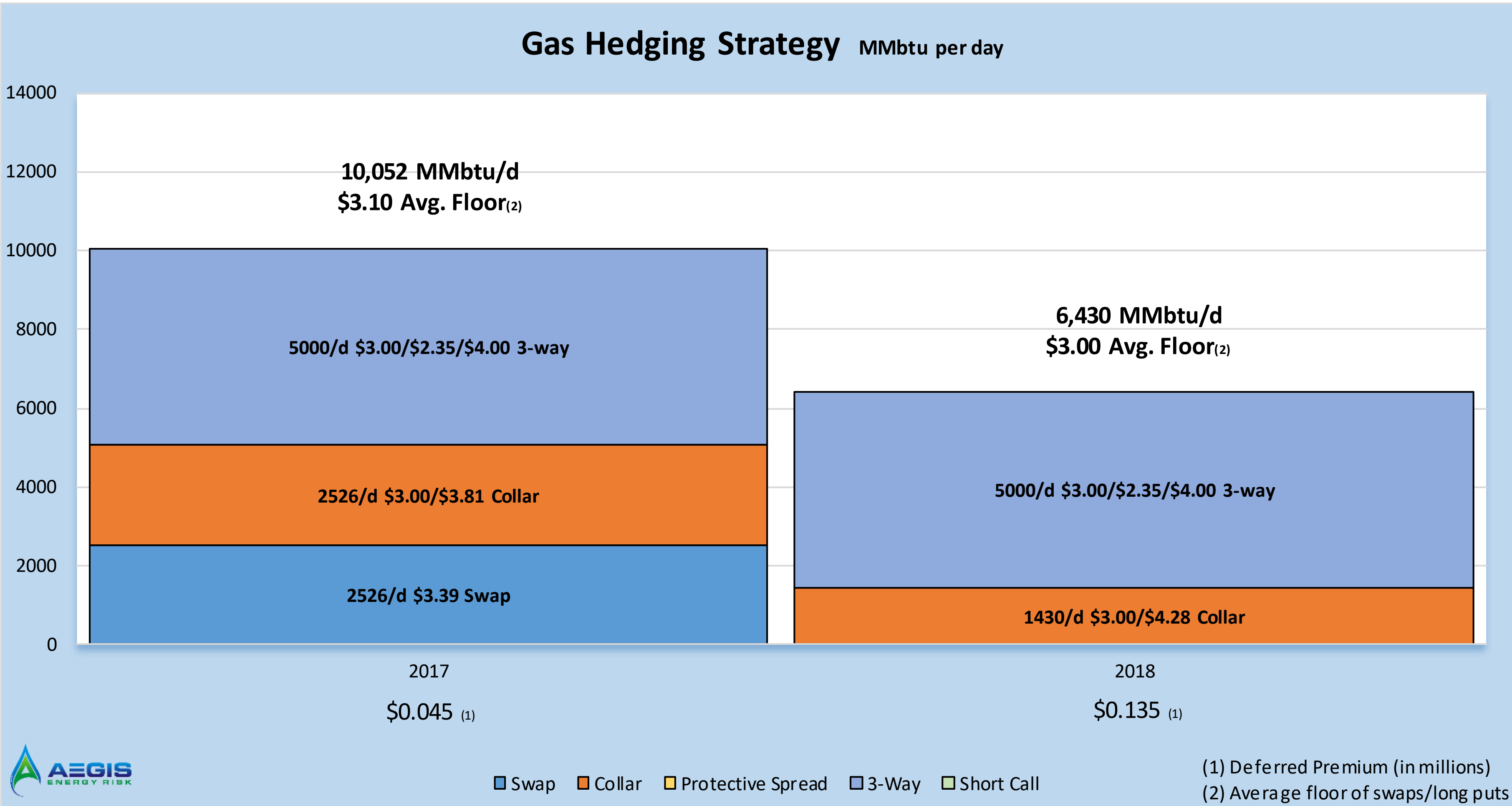
Natural Gas

Begin Period	End Period	Derivative Instrument	Daily Volume	Balance of Year Average	Total of Notional Volume	Base Fixed Price	Floor (Long)	Short Put	Call (Long)	Ceiling (Short)
2017										
Sep-17	Dec-17	3-Way	5,000	5,000	610,000		$ 3.00	$ 2.35		$ 4.00
Sep-17	Sep-17	Swaps	2,300	566	69,000	$ 3.34				
Oct-17	Dec-17	Swaps	2,600	1,961	239,200	$ 3.40				
Sep-17	Sep-17	Collar	2,300	566	69,000		$ 3.00			$ 3.73
Oct-17	Dec-17	Collar	2,600	1,961	239,200		$ 3.00			$ 3.89
2018										
Jan-18	Dec-18	3-Way	5,000	5,000	1,825,000		$ 3.00	$ 2.35		$ 4.00
Jan-18	Mar-18	Collar	5,800	1,430	522,000		$ 3.00			$ 4.28

NOTE : Hedges as of 8/1/2017

PDP Hedging Program

Natural Gas



NOTE : Hedges as of 8/1/2017

PDP Hedging Program

Crude Oil 2017

Begin Period	End Period	Derivative Instrument	Daily Volume	Balance of Year Average	Total of Notional Volume	Base Fixed Price	Floor (Long)	Short Put	Call (Long)	Ceiling (Short)
2017										
Aug-17	Dec-17	3-way	280	280	42,840		$ 80.00	$ 65.00		$ 97.25
Aug-17	Sep-17	3-way	250	100	15,250		$ 80.00	$ 60.00		$ 98.70
Oct-17	Oct-17	3-way	200	41	6,200		$ 80.00	$ 60.00		$ 98.70
Nov-17	Nov-17	3-way	250	49	7,500		$ 80.00	$ 60.00		$ 98.70
Dec-17	Dec-17	3-way	200	41	6,200		$ 80.00	$ 60.00		$ 98.70
Aug-17	Dec-17	Put Spread	500	500	76,500		$ 82.00	$ 62.00		
Aug-17	Dec-17	Swaps	400	400	61,200	$ 54.50				
Aug-17	Sep-17	Swaps	150	60	9,150	$ 53.55				
Oct-17	Dec-17	Swaps	150	90	13,800	$ 53.80				
Oct-17	Dec-17	Swaps	150	90	13,800	$ 50.25				
Aug-17	Dec-17	Collar	200	200	30,600		$ 45.00			$ 53.50

NOTE : Hedges as of 8/1/2017

PDP Hedging Program

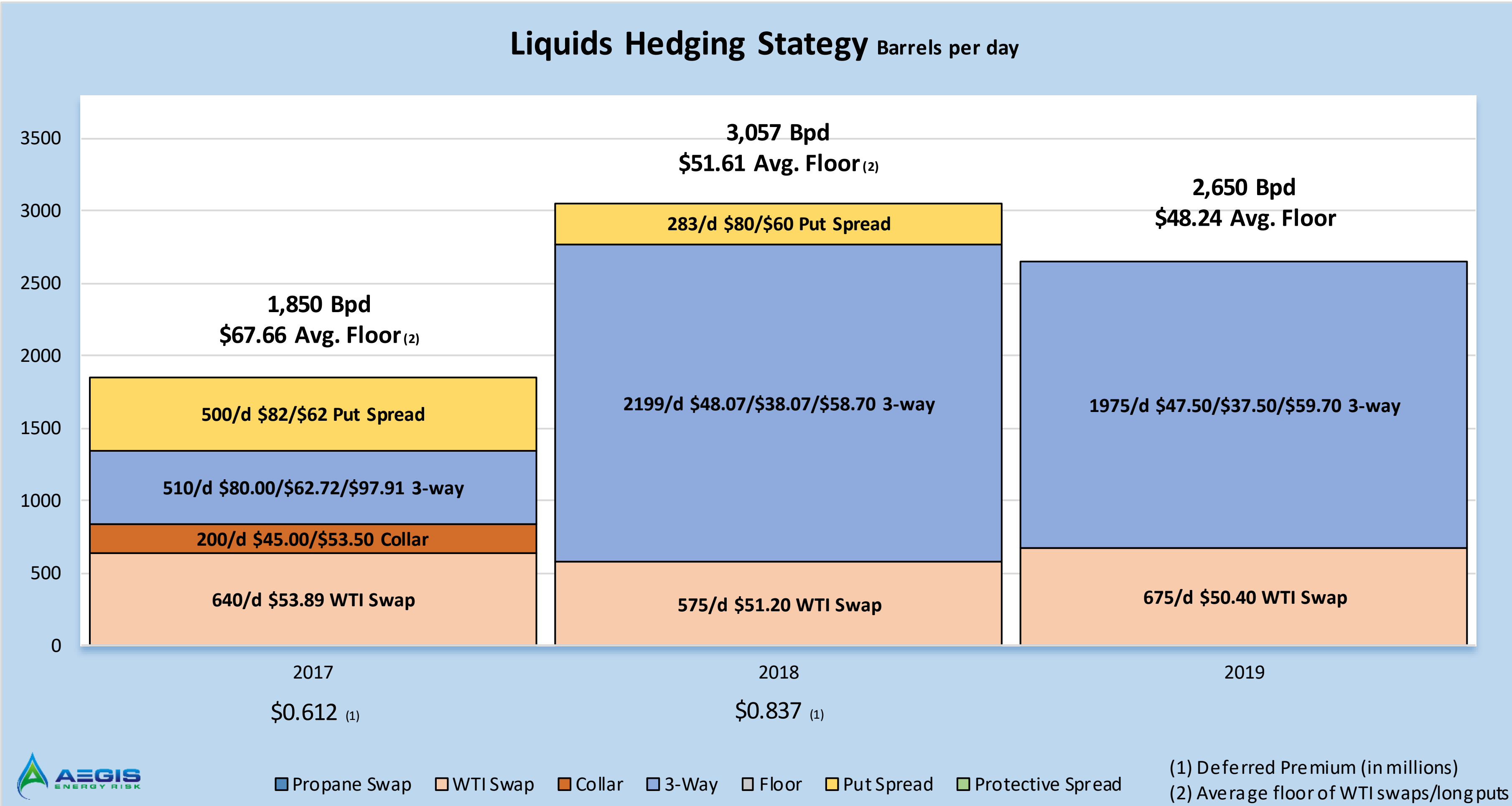
Crude Oil 2018-19

Begin Period	End Period	Derivative Instrument	Daily Volume	Balance of Year Average	Total of Notional Volume	Base Fixed Price	Floor (Long)	Short Put	Call (Long)	Ceiling (Short)
2018										
Jan-18	Aug-18	Put Spread	425	283	103,275		$ 80.00	$ 60.00		
Jan-18	Dec-18	3-way	500	500	182,500		$ 50.00	$ 40.00		$ 61.60
Jan-18	Jun-18	Swaps	600	298	108,600	$ 51.20				
Jul-18	Sep-18	Swaps	500	126	46,000	$ 51.20				
Oct-18	Dec-18	Swaps	600	151	55,200	$ 51.20				
Jan-18	Mar-18	3-way	1,800	444	162,000		$ 47.50	$ 37.50		$ 57.85
Apr-18	Jun-18	3-way	1,700	424	154,700		$ 47.50	$ 37.50		$ 57.85
Jul-18	Sep-18	3-way	1,600	403	147,200		$ 47.50	$ 37.50		$ 57.85
Oct-18	Dec-18	3-way	1,700	428	156,400		$ 47.50	$ 37.50		$ 57.85
2019										
Jan-19	Sep-19	Swaps	700	524	191,100	$ 50.40				
Oct-19	Dec-19	Swaps	600	151	55,200	$ 50.40				
Jan-19	Sep-19	3-way	2,000	1,496	546,000		$ 47.50	$ 37.50		$ 59.70
Oct-19	Dec-19	3-way	1,900	479	174,800		$ 47.50	$ 37.50		$ 59.70

NOTE : Hedges as of 8/1/2017

PDP Hedging Program

Crude Oil and NGL



NOTE : Hedges as of 8/1/2017