EXHIBIT 5

Additions underscored
Deletions [bracketed]

NYSE Arca Options Fees and Charges

Effective Date: July [3]10, 2017

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NYSE Arca OPTIONS: TRADE-RELATED CHARGES FOR STANDARD OPTIONS[14]

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TRANSACTION FEE FOR ELECTRONIC EXECUTIONS - PER CONTRACT

Order Type	Electronic Executions in Penny Pilot Issues[6]		Electronic Executions in Non Penny Pilot Issues[6]	
	Post Liquidity	Take Liquidity	Post Liquidity	Take Liquidity
LMM	($0.32)**	$0.50	($0.40)	$1.10
NYSE Arca Market Maker	($0.28)	$0.50	($0.05)	$1.10
Firm and Broker Dealer	($0.10)	$0.50	$0.50	$1.10
Customer	($0.25)	$0.49	($0.75)	$0.85
Professional Customer	($0.25)	$0.50	($0.75)	$1.10
Customer against LMM*	N/A	N/A	N/A	$0.67

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** Lead Market Makers will also receive an additional $0.04 per contract credit on eligible executions in Penny Pilot issues in their LMM appointment, per the "Market Maker [Monthly]Penny Pilot and SPY Posting Credit Tiers [and Qualifications for Executions in Penny Pilot Issues and SPY]."

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Market Maker Incentive For Penny Pilot Issues [8,15]	
At least 0.75% of [Total Industry Customer equity and ETF option ADV]TCADV from Customer [Posted Orders]posted interest in [both Penny Pilot and non-Penny Pilot]all [I]issues *and* an ADV from Market Maker [Posted Orders]posted interest equal to 0.70% of [Total Industry Customer equity and ETF option ADV]TCADV	$0.41 Credit Applied to electronic executions of Market Maker posted interest[Posted Electronic Market Maker Executions] in Penny Pilot Issues
[Includes transaction volume from the Market Maker's affiliates or its Appointed OFP.[15]]	

Market Maker Incentive For Non-Penny Pilot Issues [8,15]		
At least 0.55% of [Total Industry Customer equity and ETF option ADV]TCADV from Market Maker Maker [Posted Orders]posted interest in [A]all [I]issues, or	At least 1.60% of [Total Industry Customer equity and ETF option ADV]TCADV from all orders in all [I]issues, all account types, with at least 0.80% of [Total Industry Customer equity and ETF option ADV]TCADV from [Posted Orders]posted interest in all [I]issues	$0.55 Credit Applied to electronic executions of Market Maker posted interest[Posted Electronic Market Maker Executions] in [N]non-Penny Pilot Issues
[Includes transaction volume from the Market Maker's affiliates or its Appointed OFP.[15]]		

Market Maker Incentive for SPY[8]	
At least 0.20% of TCADV from Market Maker posted interest in SPY	$0.45 credit applied to electronic executions of Market Maker posted interest in SPY

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MARKET MAKER [MONTHLY]PENNY PILOT AND SPY POSTING CREDIT TIERS [AND QUALIFICATIONS FOR EXECUTIONS IN PENNY PILOT ISSUES AND SPY[8]]

OTP Holders and OTP Firms meeting the qualifications below will receive the corresponding credit on electronic executions of Market Maker posted interest in Penny Pilot Issues and SPY.[8,15]

Tier	Qualification Basis (Share of TCADV)		Credit Applied to **Electronic Executions of Market Maker Posted Interest** [Posted Electronic Market Maker Executions]in **Penny Pilot Issues (except SPY)**	Credit Applied to **Electronic Executions of Market Maker Posted Interest** [Posted Electronic Market Maker Executions]in **SPY**
Base			($0.28)	($0.28)
Select Tier	At least 0.25% of [Total Industry Customer equity and ETF option ADV] TCADV from Market Maker [Posted Orders]posted interest in [All]all [I]issues		($0.32)	($0.32)
Super Tier	At least 0.55% of [Total Industry Customer equity and ETF option ADV]TCADV from Market Maker [Posted Orders]posted interest in [All]all [I]issues, or	At least 1.60% of [Total Industry Customer equity and ETF option ADV] TCADV from all [orders]interest	($0.37)	($0.39)

Tier	Qualification Basis (Share of TCADV)		Credit Applied to **Electronic Executions of Market Maker Posted Interest** [Posted Electronic Market Maker Executions]in Penny Pilot Issues (except SPY)	Credit Applied to **Electronic Executions of Market Maker Posted Interest** [Posted Electronic Market Maker Executions]in **SPY**
		in all [I]issues, all account types, with at least 0.80% [Total Industry Customer equity and ETF option ADV]TCADV from [Posted Orders]posted interest in all [I]issues		
Super Tier II	At least 0.20% of [Total Industry Customer equity and ETF option ADV]TCADV from Market Maker [Posted Orders]posted interest in all [I]issues, plus ETP Holder and Market Maker posted volume in Tape B Securities ("Tape B Adding ADV") that is equal to at least 1.50% of US Tape B consolidated average	At least 1.60% of [Total Industry Customer equity and ETF option ADV] TCADV from Market Maker [orders]interest in all issues, with at least 0.90% of [Total Industry Customer equity and ETF option ADV]TCADV	($0.42)	($0.42)

Tier	Qualification Basis (Share of TCADV)		**Credit Applied to Electronic Executions of Market Maker Posted Interest [Posted Electronic Market Maker Executions]in Penny Pilot Issues (except SPY)**	**Credit Applied to Electronic Executions of Market Maker Posted Interest [Posted Electronic Market Maker Executions]in SPY**
	daily volume ("CADV") for the billing month executed on NYSE Arca Equity Market; or	from Market Maker [Posted Orders]posted interest in all [I]issues		
	[*Includes transaction volume from the Market Maker's affiliates or its Appointed OFP.[15]*]			

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NYSE Arca OPTIONS: GENERAL

BILLING DISPUTES

All fee disputes concerning fees billed by the Exchange must be submitted to the Exchange in writing and must be accompanied by supporting documentation. All fee disputes must be submitted no later than sixty (60) days after receipt of a billing invoice.

1.- 7. No Change

8.   The calculations for qualifications for monthly posting credits or discounts only include electronic executions and the Exchange will include the activity of either (i) affiliates or (ii) an Appointed OFP or Appointed MM, per Endnote 15. Customer equity and ETF option ADV does not include Electronic Complex Order Executions. The Exchange may exclude from the calculation of ADV contracts traded any day (1) the Exchange is not open for the entire trading day and/or (2) there is an Exchange System Disruption. QCC orders are neither posted nor taken; thus QCC transactions are not

included in the calculation of posted or taken execution volumes. Orders routed to another market for execution are not included in the calculation of taking volume. Market Maker Total Electronic Volume does not include Electronic Complex Order Executions, QCC Transactions, or orders routed to another exchange for execution. Total Industry Customer equity and ETF option average daily volume ("TCADV") includes OCC calculated Customer volume of all types, including Complex Order Transactions and QCC transactions, in equity and ETF options. An affiliate of an OTP Holder or OTP Firm is as defined in NYSE Arca Rule 1.1(a). For purposes of calculating the executed Average Daily Volume ("ADV") of Retail Orders of U.S. Equity Market Share on the NYSE Arca Equity Market, a Retail Order must qualify for the Retail Order Tier set forth in the Schedule of Fees and Charges for NYSE Arca Equities, Inc.

9.- 14. No Change

15.   Includes transaction volume from the OTP Holder's or OTP Firm's affiliates or its Appointed OFP or Appointed MM. An "Appointed MM" is an NYSE Arca Market Maker that has been designated by an Order Flow Provider ("OFP") (as defined in NYSE Arca Rule 6.1A(a)(21)). An "Appointed OFP" is an OFP that has been designated by an NYSE Arca Market Maker. An NYSE Arca Options Market Maker appoints an OFP and an OFP appoints an NYSE Arca Options Market Maker for the purposes of the Fee Schedule, by each sending an email to optionsbilling@nyse.com. These corresponding emails will be viewed as acceptance of the appointment. The Exchange will recognize one such designation for each party. A party may make a designation not more than once every 12-months, which designation shall remain in effect unless or until the Exchange receives an email from either party indicating that the appointment has been terminated.

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