

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)				6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
GAMCO INVESTORS, INC. ET AL ONE CORPORATE CENTER RYE, NY 10580		X		
GGCP, INC. 140 GREENWICH AVENUE GREENWICH, CT 06830		X		
Associated Capital Group, Inc. ONE CORPORATE CENTER RYE, NY 10580		X		
GABELLI MARIO J C/O GAMCO INVESTORS, INC ONE CORPORATE CENTER RYE, NY 10580		X		

Signatures

/s/ Douglas R. Jamieson, Attorney-In-Fact for MARIO J. GABELLI, GGCP, INC. and ASSOCIATED CAPITAL GROUP, INC.		03/12/2020
	**Signature of Reporting Person	Date
/s/ Kevin Handwerker, Executive VP, General Counsel & Secretary for GAMCO INVESTORS, INC.		03/12/2020
	**Signature of Reporting Person	Date

Explanation of Responses:

* If the form is filed by more than one reporting person, see Instruction 4(b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

(1) These shares are owned by Mario J. Gabelli .

(2) These shares are owned by GGCP, Inc.

(3) These shares are owned by Associated Capital Group, Inc.

GAMCO Investors, Inc. and Associated Capital Group, Inc. have less than a 100% interest in this entity; GGCP, Inc. has less than a 100% interest in GAMCO Investors, Inc. and Associated Capital Group, Inc.; and Mario J. Gabelli has less than a 100% interest in GGCP, Inc. The amount of securities reported as beneficially owned reflects the total amount of securities held by this entity which is greater than the Reporting Persons' indirect pecuniary interests. The Reporting Persons hereby disclaim ownership of these securities in excess of their pecuniary interests.

(5) Mr. Gabelli is the Initial Member of E3M 2018 LLC, a limited liability company.