$189,635,000\*  
The Commonwealth of Massachusetts, Massachusetts  
General Obligation Refunding Bonds, 2019 Series E  
  
COMPETITIVE ISSUE  
  
MOODY'S: Aa1 S&P: AA FITCH: AA+  
  
DATED:09/12/2019 FIRST COUPON:12/01/2019 DUE: 12/01  
  
MATURITY AMOUNT\* COUPON PRICE

12/01/2020 0 3.00% 1.03  
12/01/2021 1,310M 3.00% 1.04  
  
  
12/01/2023 0 3.00% 1.11  
12/01/2024 0 3.00% 1.19  
12/01/2025 10MM+ 3.00% 1.21  
12/01/2026 10MM+ 3.00% 1.27  
12/01/2027 0 3.00% 1.34  
  
  
CALL FEATURES: No optional call  
\*APPROXIMATE SUBJECT TO CHANGE  
  
Goldman Sachs & Co. LLC  
By: Goldman Sachs & Co. LLC New York, NY