

### Trade Execution Insight

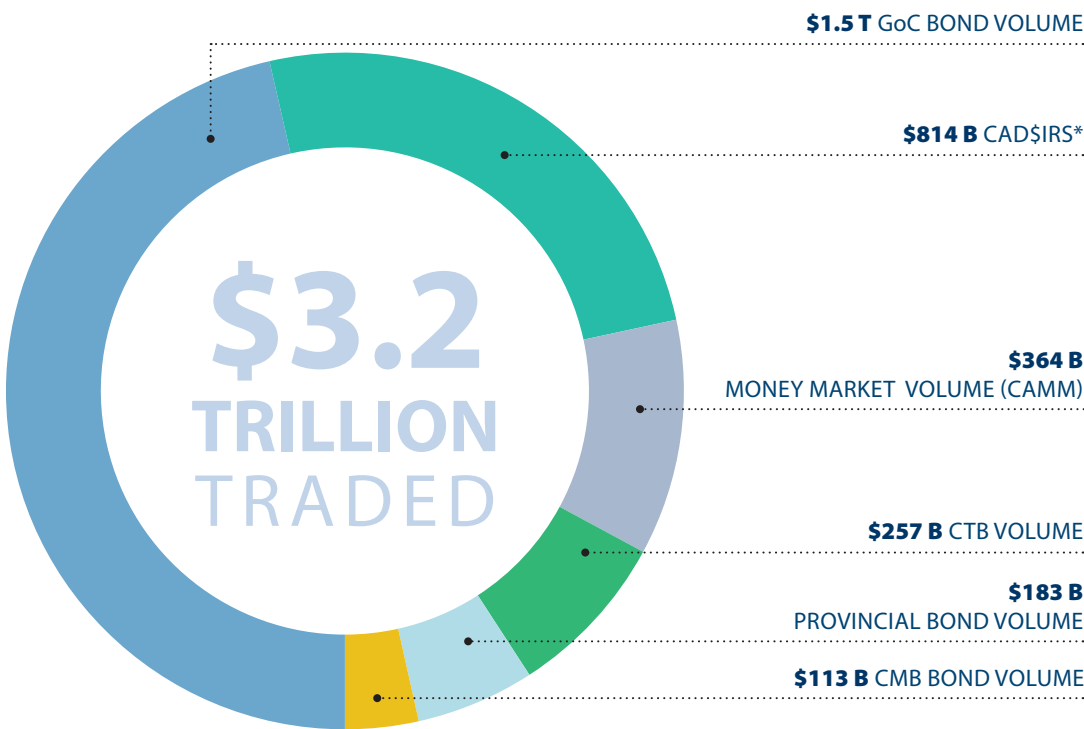
294,000  
TRADE COUNT

754  
BUY-SIDE PROFESSIONALS

166  
SELL-SIDE TRADERS

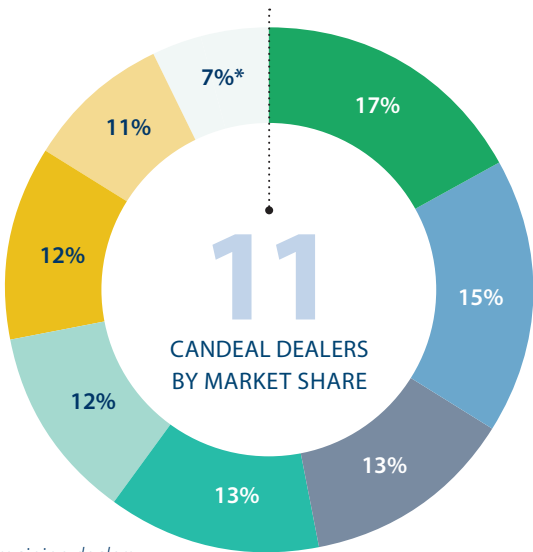
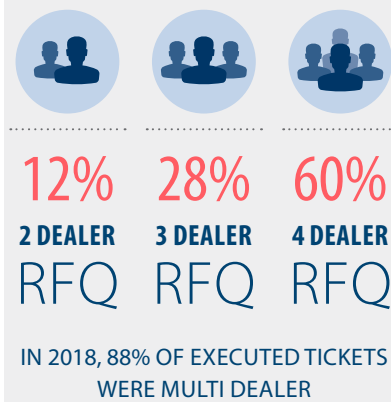
29%  
OF OUR BOND BUSINESS WAS  
DONE OUTSIDE OF CANADA

### TOTAL TRADED VOLUME



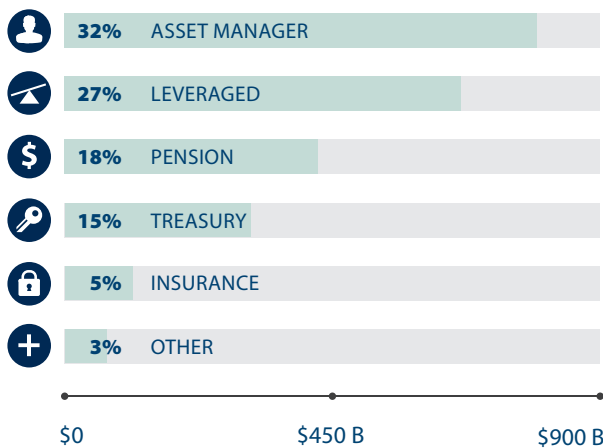
\* CanDeal/Tradeweb North American Interest Rate Swaps Platform

### Multi-Dealer Volume Breakdown



\* Market Share of remaining dealers

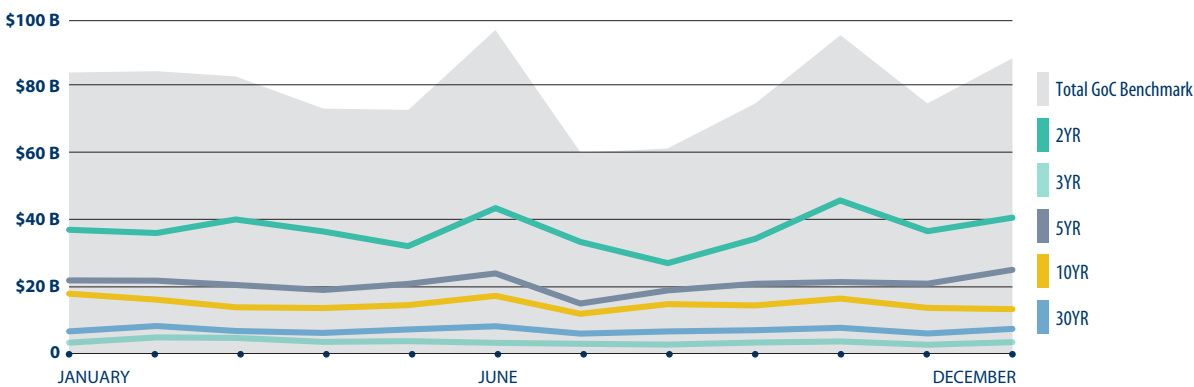
### Volume by Client Type All Products



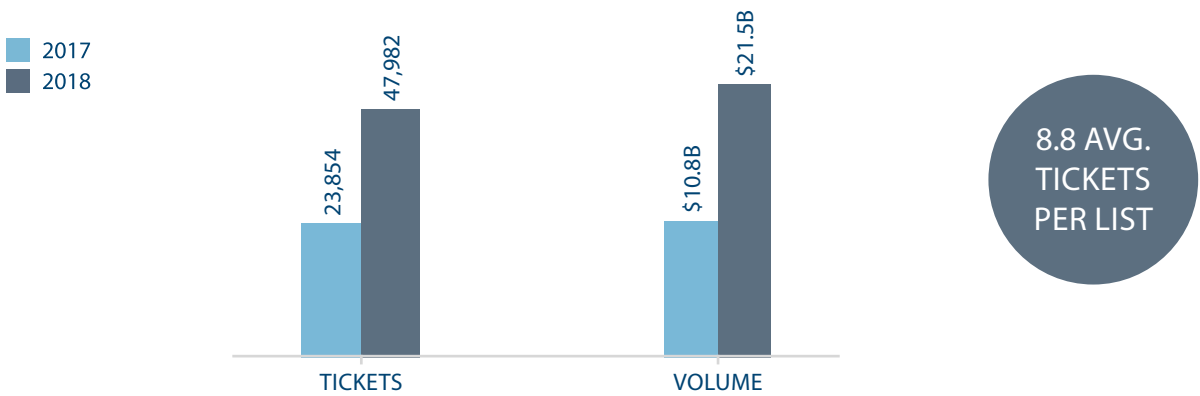
### Average Time to Quote



### Total GoC Benchmark Volume



### List Trading Activity Doubled in 2018



### CanDeal Has Replaced

1,040,478  
PHONE CALLS IN 2018

THAT'S

4,162  
PHONE CALLS PER DAY

More 2018  
Highlights:

Dealer auto response rate  
increased by 70%

Volume of real return bonds  
increased by over 200%

CanDeal Evolution was  
launched to Canadian clients