



DATE: FEBRUARY 28, 2019

TO: OPRA DATA RECIPIENTS

SUBJECT: February 28, 2019 OPRA FAILOVER TO SECONDARY DATA CENTER

At approximately 9:24 am ET on February 28, 2019, OPRA received customer reports that pre-open market data messages the customers expected were not being disseminated from OPRA across any of the OPRA output lines at its primary data center in Mahwah, NJ. OPRA investigated and confirmed there were indeed no such market data messages being disseminated. In an abundance of caution, OPRA determined that immediate failover to the secondary remote data center in Chicago, IL was preferred over continued investigation that might further delay a restoration of service. Failover to the secondary remote data center was initiated at 9:28:34am and completed at 9:30:12am, at which time OPRA returned to normal operations.

Post-failover, OPRA determined the lack of market data message flow in the pre-open period was actually normal operations for OPRA as of the morning of February 28, 2019 (because the source of such messages was no longer disseminating them to OPRA as of that day). Normal operations from the primary data center will resume on March 1, 2019.