



DATE: June 17, 2022

SUBJECT: OPRA Failover to Secondary Data Center: Friday, June 17, 2022

TO: OPRA DATA RECIPIENTS

On June 17, 2022, at approximately 09:44:29 AM, OPRA experienced a hardware disk failure impacting a single node hosting multiple redundant OPRA processes, including those supporting OPRA High Speed Line 4 ("HSL4"). OPRA automatically failed over HSL4 to its secondary instance running on a redundant node. At approximately 10:01:39 AM, an attempt to put the failed node back into service (a "Node Heal") itself failed, and disrupted data dissemination on both HSL4 and High Speed Line 31 ("HSL31"). OPRA then failed over all OPRA processes from the local data center ("LDC") to the remote data center ("RDC"), which was completed between 10:18:48 AM and 10:21:43 AM. OPRA thereafter operated normally out of the RDC for the remainder of the day.

Data recipients may have experienced a minor gap in data dissemination on HSL4 during the node failure but would have been able to gap-fill any missing data once normal processing resumed. Data recipients also would not have been able to receive OPRA data from HSL4 or HSL31 following the failed Node Heal, and participants would not have been able to send or receive data to or from OPRA during the failover from the LDC to the RDC.

SIAC will replace the failed disk on the evening of June 17, 2022 and is continuing to investigate both the node failure and Node Heal failure.

OPRA will run out of the Primary Data Center on Tuesday, June 21, 2022.

OPRA, LLC