



## Financial Services Audit Committee Communication

**Date:** September 23, 2022

**To:** Great Lakes Water Authority Audit Committee

**From:** Matthew S. Lane MPA, Charges Outreach and Modeling Manager

**Re:** Max Day/Peak Hour Annual Report

**Background:** At the end of summer annually, the Great Lakes Water Authority (GLWA) staff reviews the daily water system pumpage and reservoir data to determine the System Maximum Day (Max Day) and the hourly water system pumpage and reservoir data to determine the System Peak Hour (Peak Hour).

Once the Max Day and Peak Hour are determined, GLWA reviews the daily and hourly performance for all Member Partners on the water model contracts as of that date to evaluate compliance with the values set forth in the Exhibit B of each Member Partner's model contract. GLWA completes this analysis using the wholesale master meter data available in GLWA's Wholesale Automated Meter Reading (WAMR) portal.

**Analysis:** Based on the system pumpage and reservoir analysis completed for 2022, the System Max Day and Peak Hour are as follows:

2022 GLWA System Max Day:

- July 19, 2022
- 631 MGD (562 MGD in 2021)

2022 GLWA System Peak Hour:

- 7:00 – 8:00 pm EST
- 697 MGD (662 MGD in 2021)

Chart 1 – Historical Max Day / Peak Hour



This is an increase of 35 MGD and 69 MGD respectively over the prior year, as depicted in Chart 1. After review of the WAMR data from July 19, 2022, GLWA staff determined that no Member Partners exceeded either the Max Day or Peak Hour Value in their model contract.

**Proposed Action:** Receive and file report.