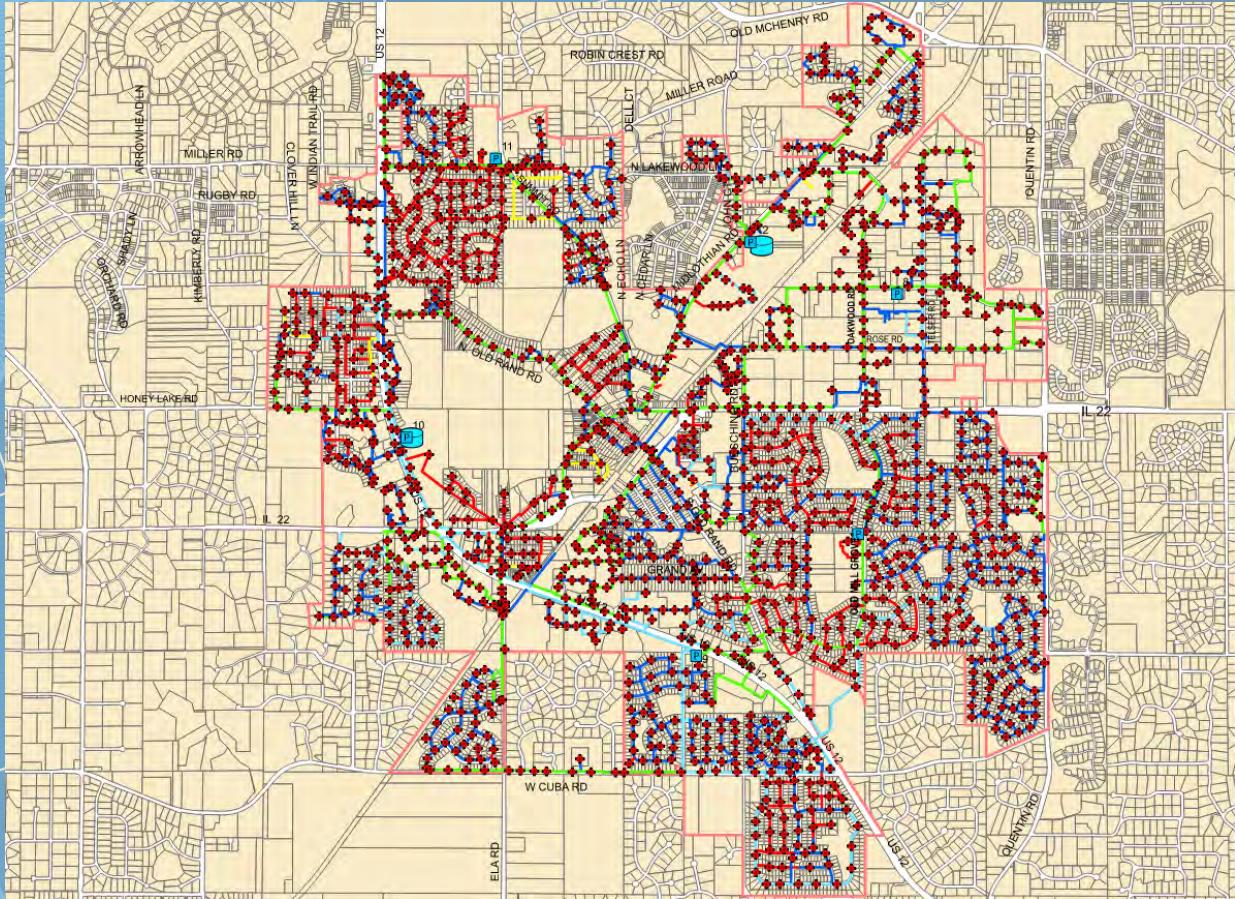


Village of Lake Zurich Lake Michigan Water Supply Study Assessment

Amrou Atassi, PE, BCEE,
PMP; Vice President CDM
Smith

November 7, 2022



**CDM
Smith**

Outline

- Background
- Study Scope and Objectives
- Study Deliverables
- IEPA SRF Funding

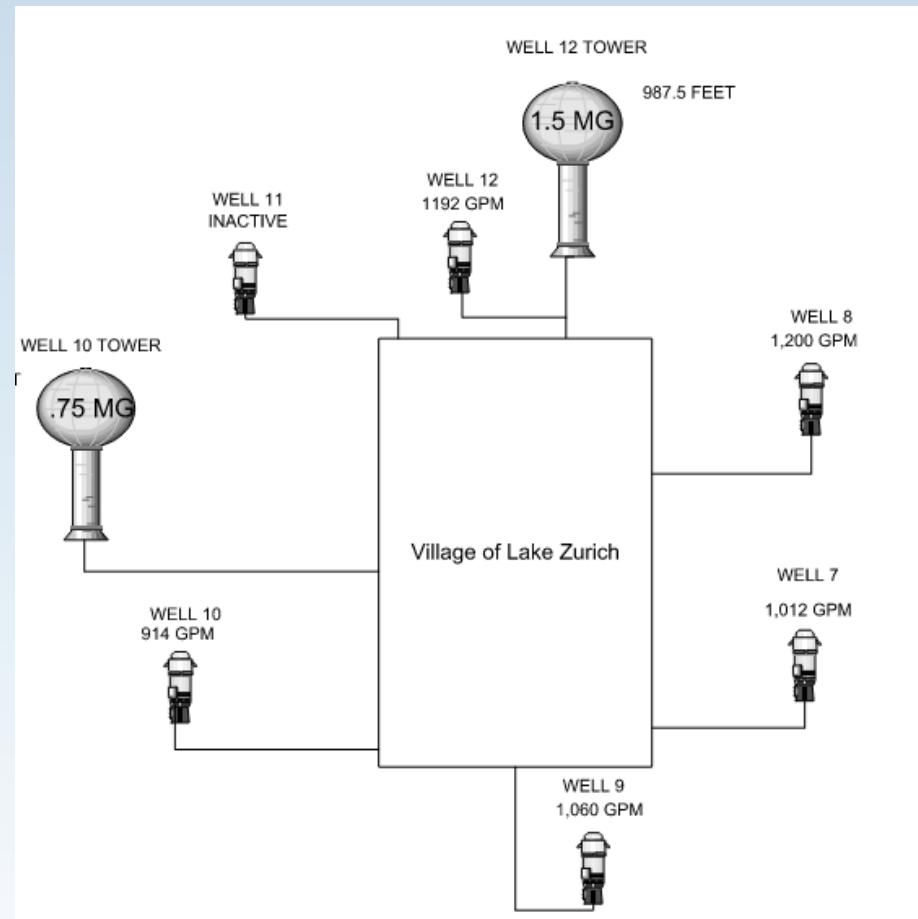
Introduction to CDM Smith

- 5,500-employees nationwide
- 75-year Plus water expertise
- Employee owned
- 100+ employees in Chicago design center
- Extensive local experience on Lake Michigan and communities throughout the Chicagoland area

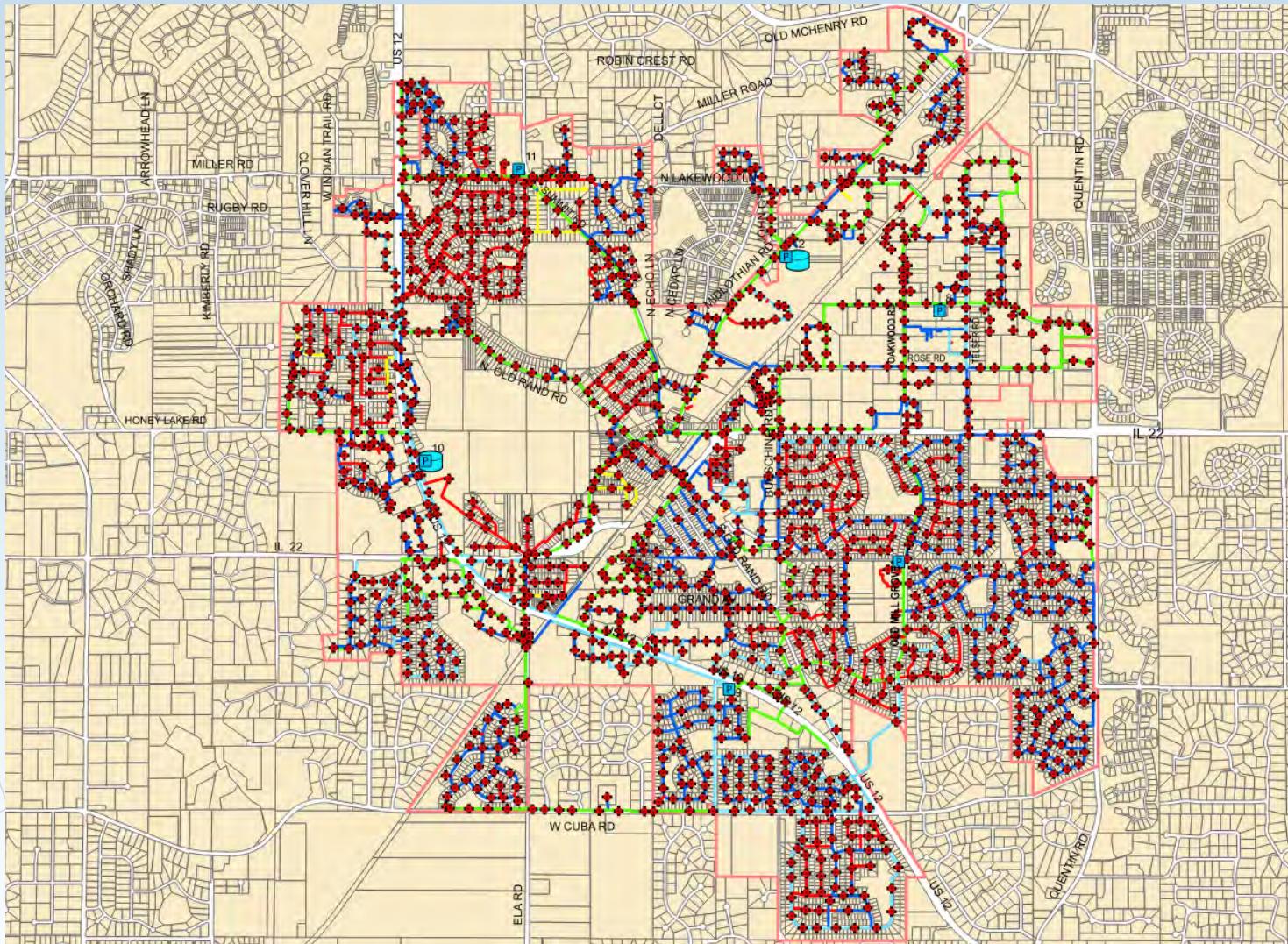


Study Objectives

- Assess the impact of new water supply on existing Village distribution system hydraulics
- Identify required internal Village improvements and associated costs



Impact on Distribution System Pressure and Fire Flow



Scope of Work

- Kickoff meeting
- Establish design criteria
- Hydraulic modeling
- Evaluate Improvements
- Develop costs
- Develop final report
- Prepare IEPA SRF project nomination form

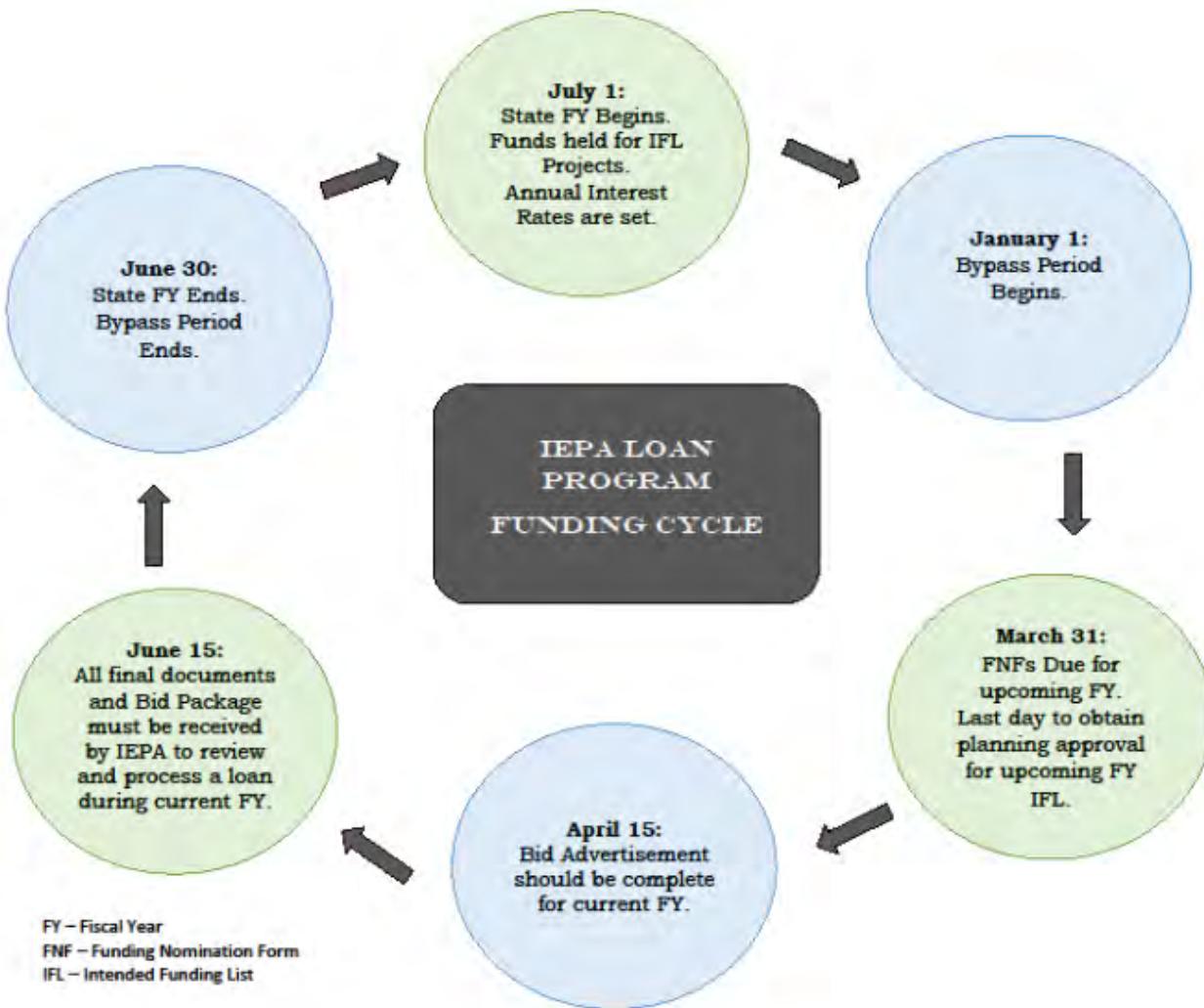
Deliverables

- Updated hydraulic model of Village system
- Pressure and fire flow maps for existing system and new system
- Draft and final reports
- IEPA SRF project nomination forms

IEPA SRF Funding

- Drinking Water Loan from IEPA
- Low interest rate
 - Drinking Water Loan Interest Rate: 1.24% (July 1, 2022 through June 30, 2023)
 - Previously was much lower (<1%)
- Extensively used by drinking water systems across the State
- Cost effective for large water programs
- Typically 20-year loan

IEPA SRF Funding Cycle



Thank You.

Questions?