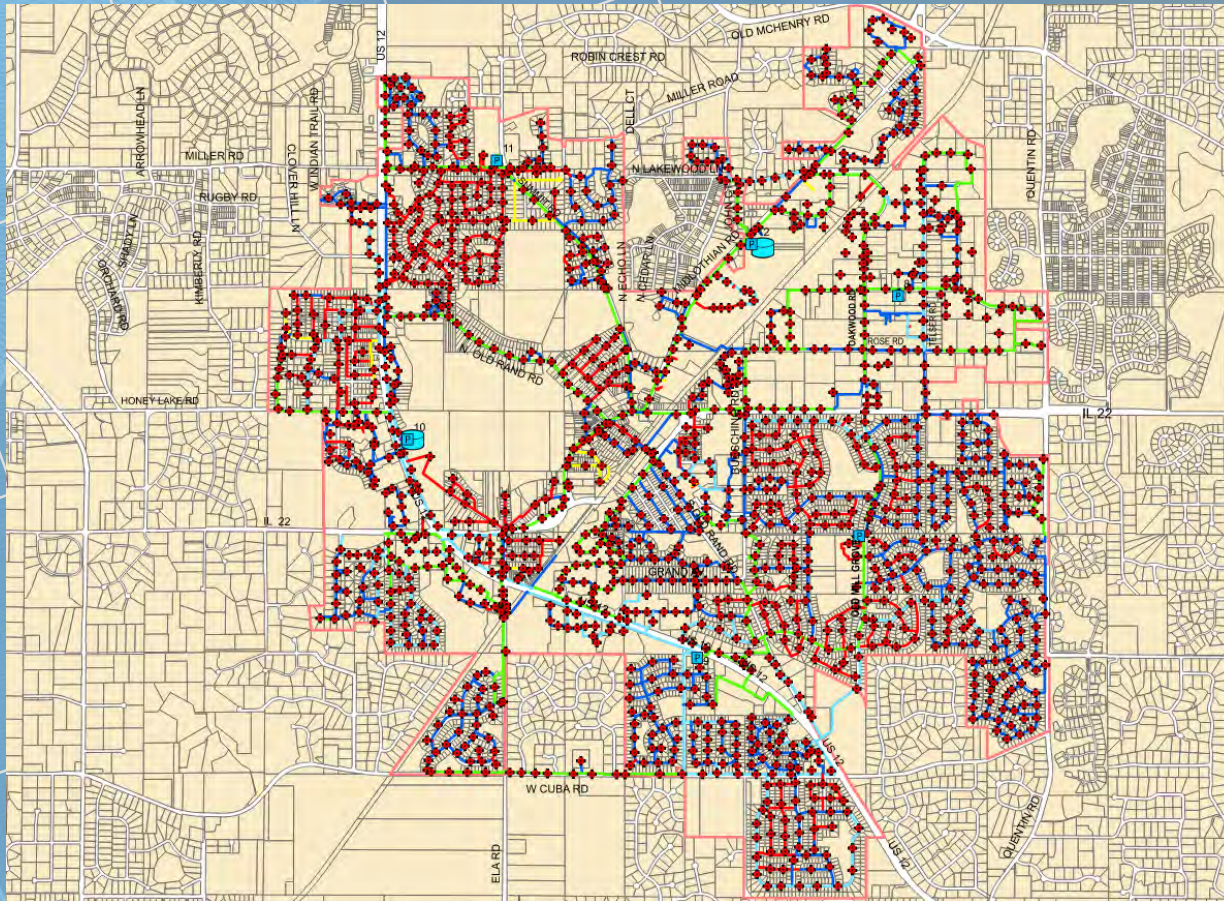


# Village of Lake Zurich Lake Michigan Water Supply Study Assessment

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

November 7, 2022



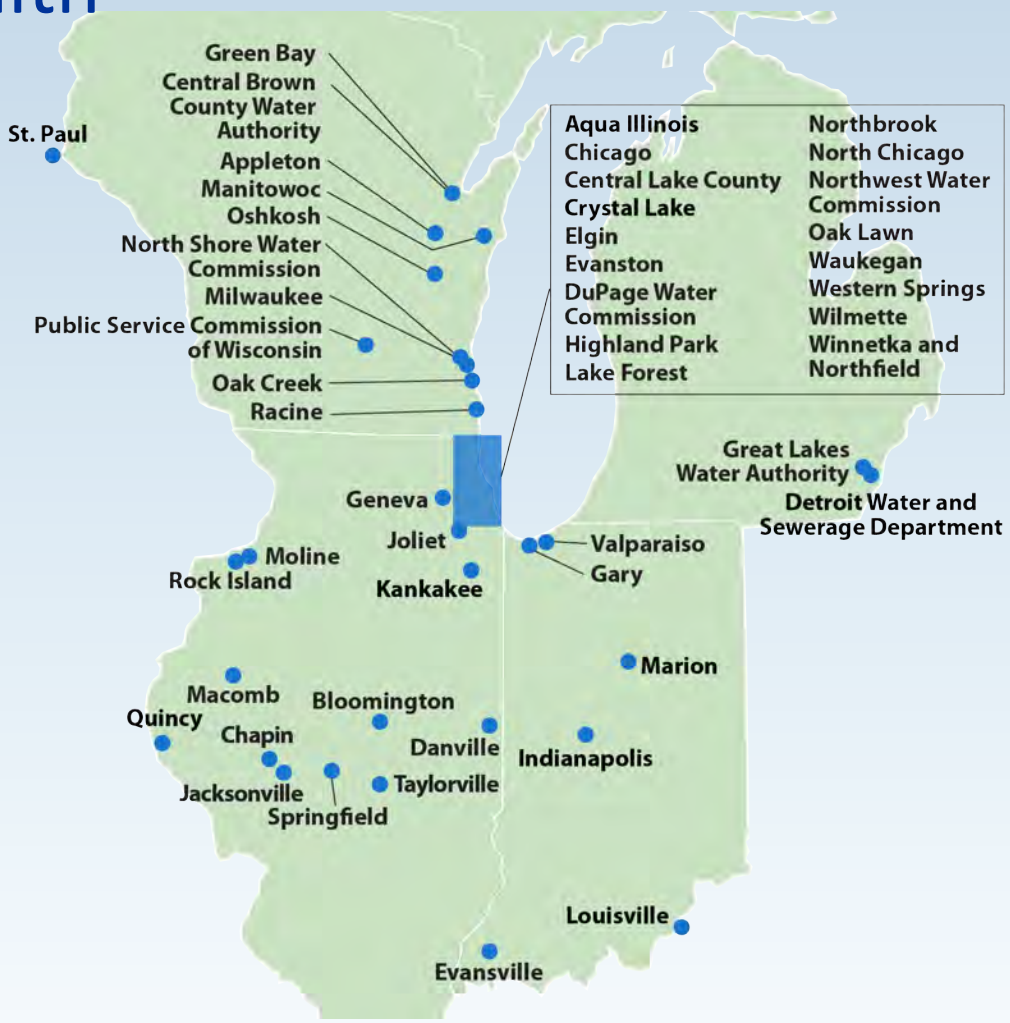
**CDM  
Smith**

# Outline

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

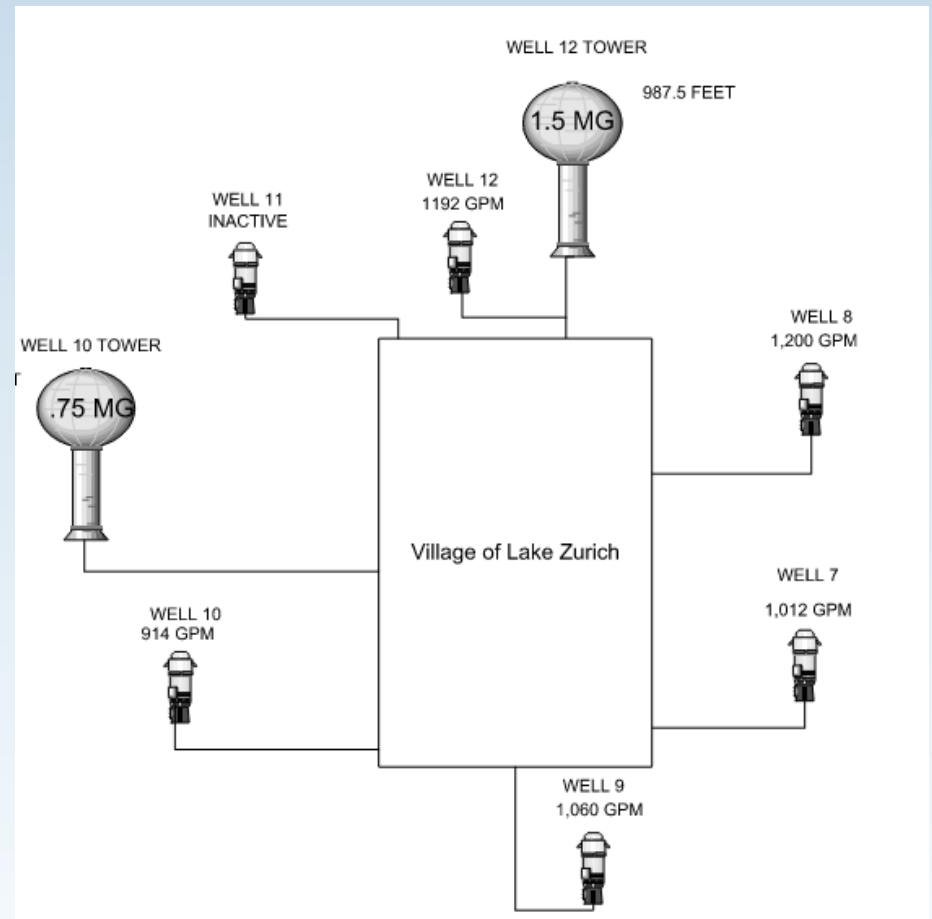
# Introduction to CDM Smith

- 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

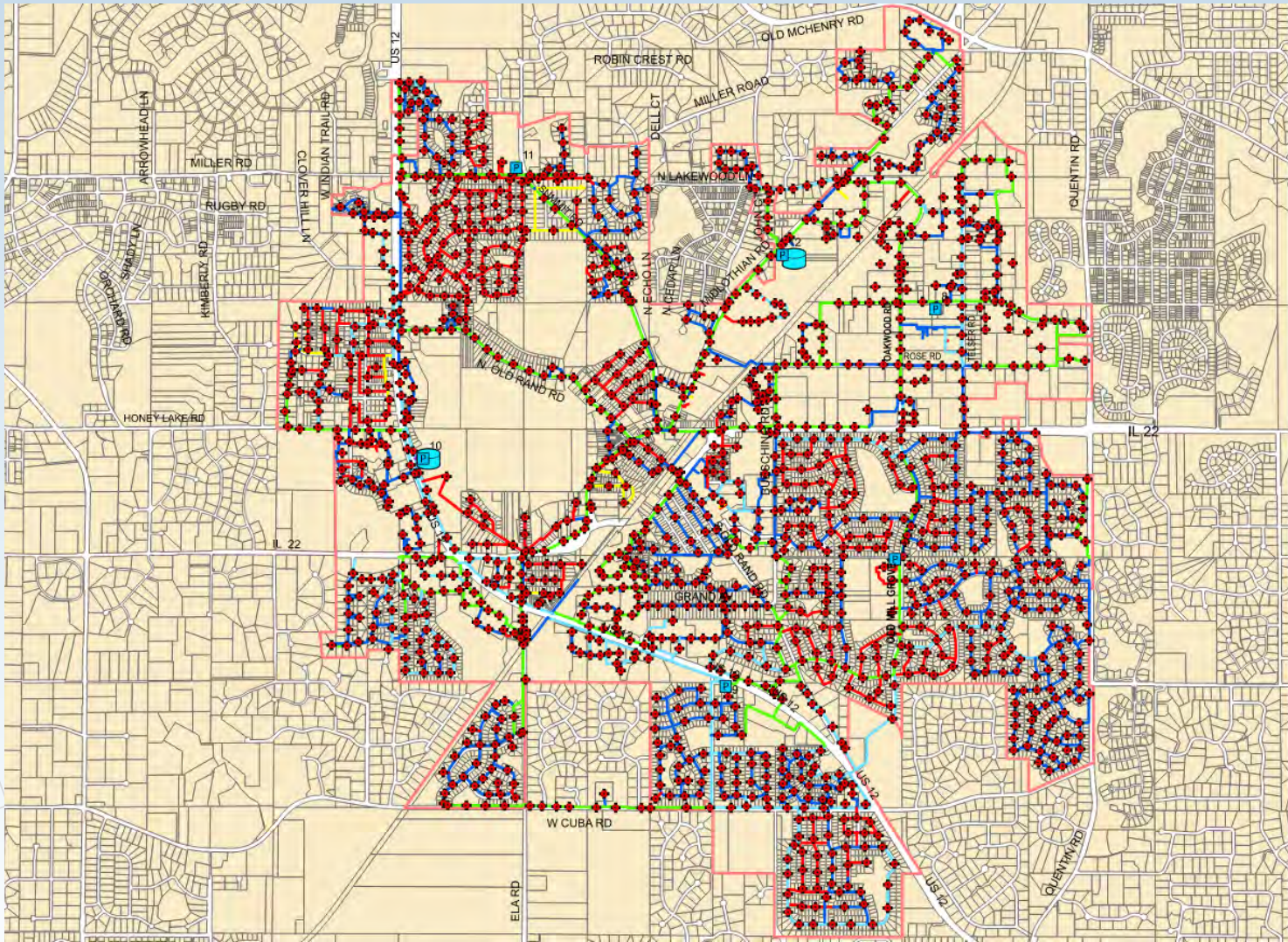


# Study Objectives

- 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

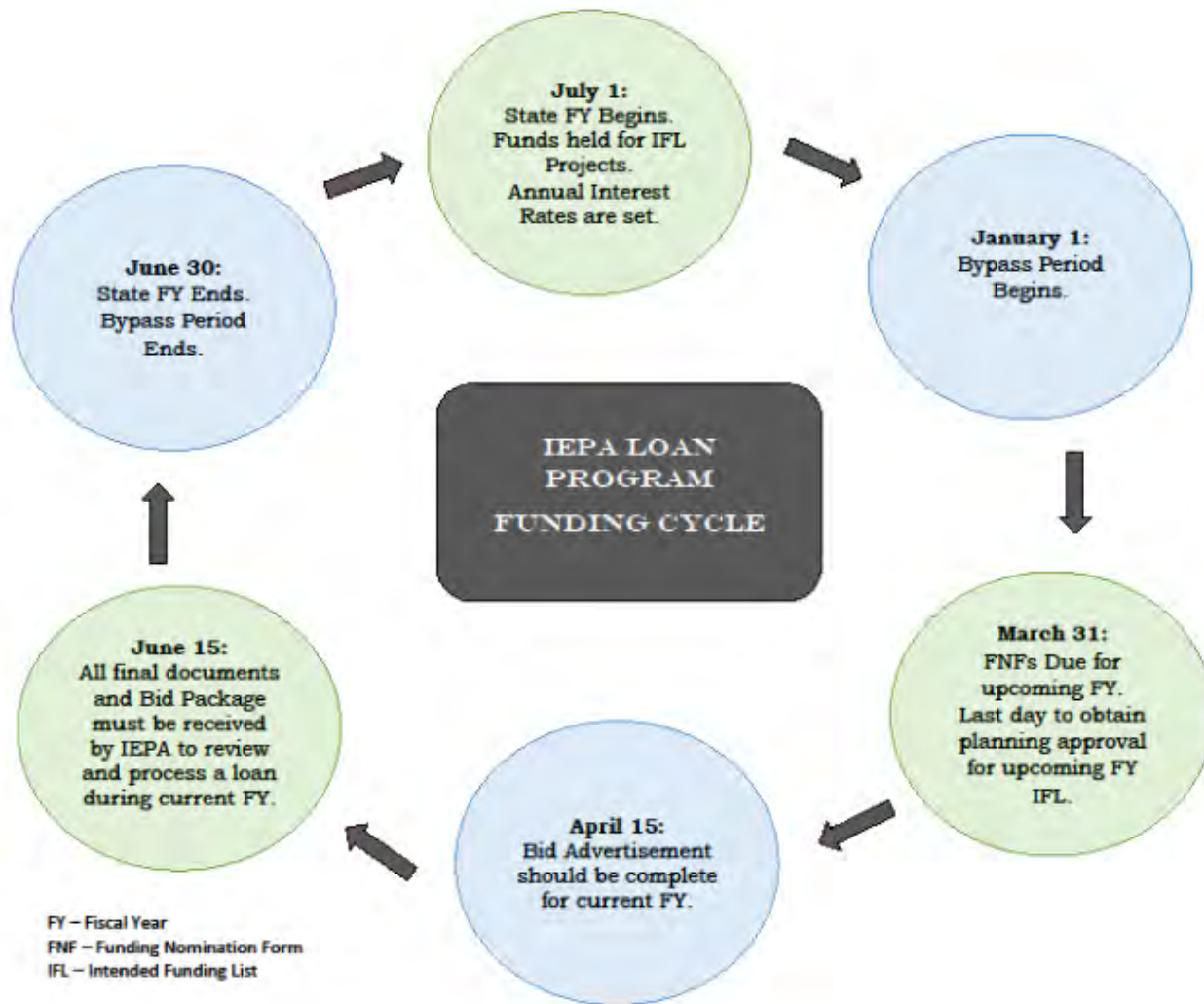
- Updated hydraulic model of Village system
- Pressure and fire flow maps for existing system and new system
- Draft and final reports
- IEPA SRF project nomination forms

# 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?