

Water Supply Project

Progress Update

July 28, 2020

Project History

2006: Water supply study and receipt of Lake Water allocation

2014: ISWS presented declining deep sandstone aquifer data to staff and Mayor

2015: Lake Water feasibility study

2015: Home Rule status approved by residents

2018: Village contracted with CBBEL for Final Engineering services

2019: Village selected site for Receiving Station

October 2019: 60% Transmission Main Plans and Construction Estimate

February 2020: 60% Receiving Station Plans and Construction Estimate

Ongoing: Discussions with ComEd, Illinois-American Water, DuPage Water Commission and Southwest Water Planning Group (Joliet)

Completed Work

Site Investigation

ComEd Easement Appraisals and Initial Coordination

Preliminary (60%) Plans and Construction Cost Estimate

Transmission Main

Receiving Station

Initial Regulatory and Local Agency Permit Coordination

Coordination with Potential Water Suppliers

Illinois-American Water

DuPage Water Commission

Southwest Water Planning Group (SWPG)

Next Steps

Select Lake Water Supplier, Negotiate Transportation and Delivery Costs

Illinois-American Water

DuPage Water Commission

Southwest Water Planning Group

Identify Other Community Connections

Design Year Population (2040 vs. 2050)

IEPA Planning Report and Apply for IEPA Loan

Final Engineering

Regulatory and Local Agency Permitting

Land Acquisition

Bidding and Construction

Select Lake Water Supplier

Illinois-American Water Company

DuPage Water Commission

Southwest Water Planning Group (Joliet)

Anticipated Timeline

August 25, 2020: Joliet City Council Meeting to Discuss Governance Structure

June 2021: Finalize Governance Structure and Water Rates

July 2021 – December 2021: Negotiate and Finalize Intergovernmental Agreements

2022 – 2024: Final Design, Permitting and Land Acquisition

2025 – 2030: Construction

Each supplier will have different up-front costs (buy-in, construction, easements, etc.) as well as transportation/delivery charges, governance structures and control over future rate increases. Potential for other community connections with IAWC and DWC.

Design Year Population

Population Projections Drive Water Consumption

CMAP GO TO 2040 Study*

Released in 2010

Projected Village Year 2040 Population of 49,013

CMAP ON TO 2050 Study*

Released in 2018

Projects Village Year 2050 Population of 23,540

**Prepared by Chicago Metropolitan Agency for Planning (CMAP)*

The 30”-diameter transmission main included in preliminary design was sized based on a projected Village population of 49,013 in Year 2040. The ON TO 2050 study population projections are substantially lower, corresponding to lower water demands.

IEPA Loan and Final Engineering

IEPA Loan Application*

Prepare and Submit Planning Report to IEPA

Prepare and Submit Loan Application and Financial Information to IEPA

Obtain IEPA Planning Approval and Placement on IEPA Intended Funding List

Obtain Loan Approval (After Bidding)

Engineering Design*

Pre-Final (90%) Plans, Specifications and Estimate

Final (100%) Plans, Specifications and Estimate

**Dependent on Selected Water Supplier, Identification of Other Community Connections and Transmission Main Sizing.*

Regulatory and Local Agency Permitting

Regulatory and Local Agency Permits

USACE*

IDNR-OWR*

IDOT District 1*

Canadian National Railroad

Will County DOT*

IEPA NPDES

IEPA Water Main Construction

Bolingbrook

Romeoville

Plainfield

Joliet

Plainfield Township

Lockport Township

** Denotes permit has been issued or informal approval granted pending pre-final engineering plan submittal.*

Land Acquisition, Bidding and Construction

Land Acquisition

- Permanent easements

- Temporary construction easements

- ComEd engineering review delayed by ComEd tower replacement project

- License agreements (railroad)

Bid Package Breakout

- Desired project size affects number of contracts

- Simultaneous or staggered bidding of contracts

Bidding

Construction

- Start in Fall 2021 at earliest (IEPA loan schedule)

- Construction duration 2-4 years, depending on bid approach

Questions?