
Village of Romeoville

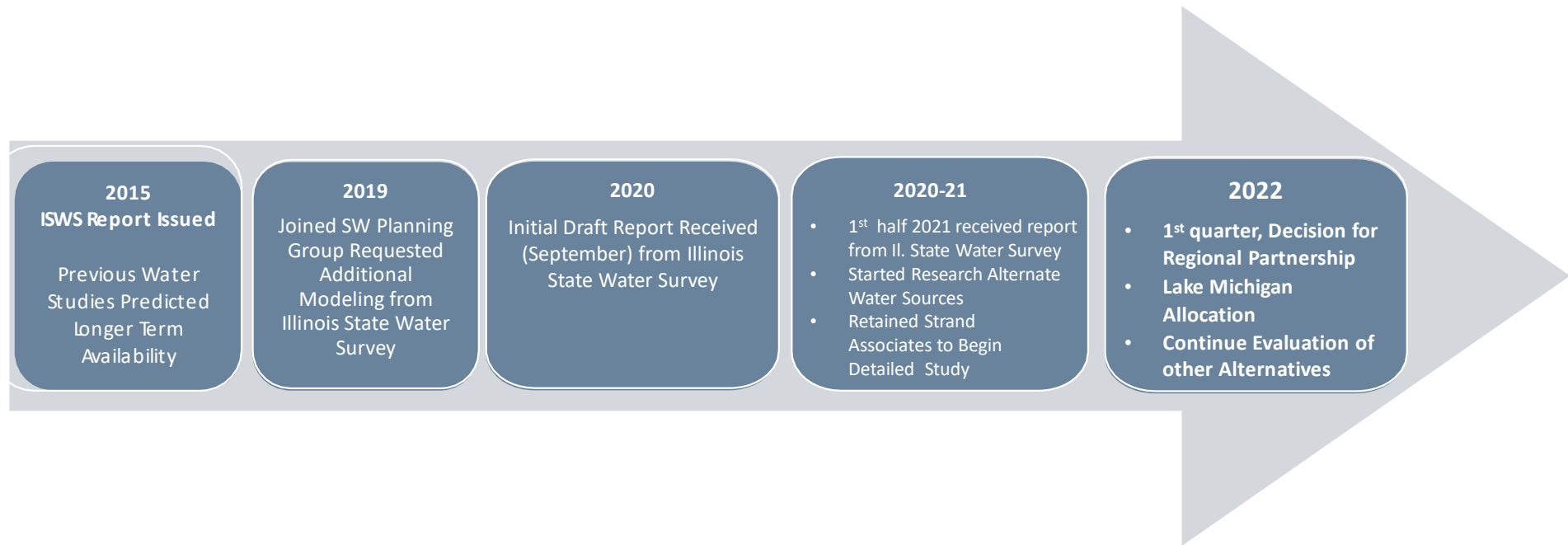
Securing our Future

2/16/2022



**Romeoville Water:
Securing Our Future**

Regional Water Commission Timeline History



Village performed comprehensive study of feasible alternatives

PHASE 1

Groundwater Source

- Shallow Aquifer Treatment

River Water Source

- Kankakee River
- Illinois River
- Des Plaines River

Lake Michigan Water Source

- City of Chicago directly
- Regional Water Commission – Indiana Intake
- Regional Water Commission – City of Chicago
- DuPage Water Commission
- Illinois American Water Company

The Village chose to investigate nine alternative sources in addition to a baseline, “Do Nothing” option.

Village performed comprehensive study of feasible alternatives

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The Shallow Limestone Aquifer is currently providing about half of the Village's water supply. While this aquifer provides water which is currently within regulatory limits, it is highly susceptible to local surface runoff and contamination is expected to rise over the coming years. Advanced membrane water treatment plants were cost prohibitive.

The Illinois and the Kankakee Rivers are at too great of a distance for the Village to be the sole owner of the critical water delivery infrastructure beyond Village limits. These alternatives were cost prohibitive.

The Des Plaines is of such poor water quality, even if regulators would allow the use as a source, the cost to treat the water is cost prohibitive.

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For the Village to purchase directly from the City of Chicago it would result in a too great of a distance for the Village to be the sole owner of the critical water delivery infrastructure beyond Village limits. The City of Chicago would not extend the infrastructure to the Village. This alternatives was not feasible and was cost prohibitive.

The Regional Water Commission which Joliet and other neighboring communities are forming chose to purchase from the City of Chicago rather than build their own intake in Indiana. So, this option was no longer feasible.

Village performed comprehensive study of feasible alternatives

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PHASE 2

Lake Michigan Water Source

- DuPage Water Commission
- Regional Water Commission – City of Chicago
- Illinois American Water Company

Phase 2 Analysis Identified Lake Michigan to be a safe, reliable renewable source of water

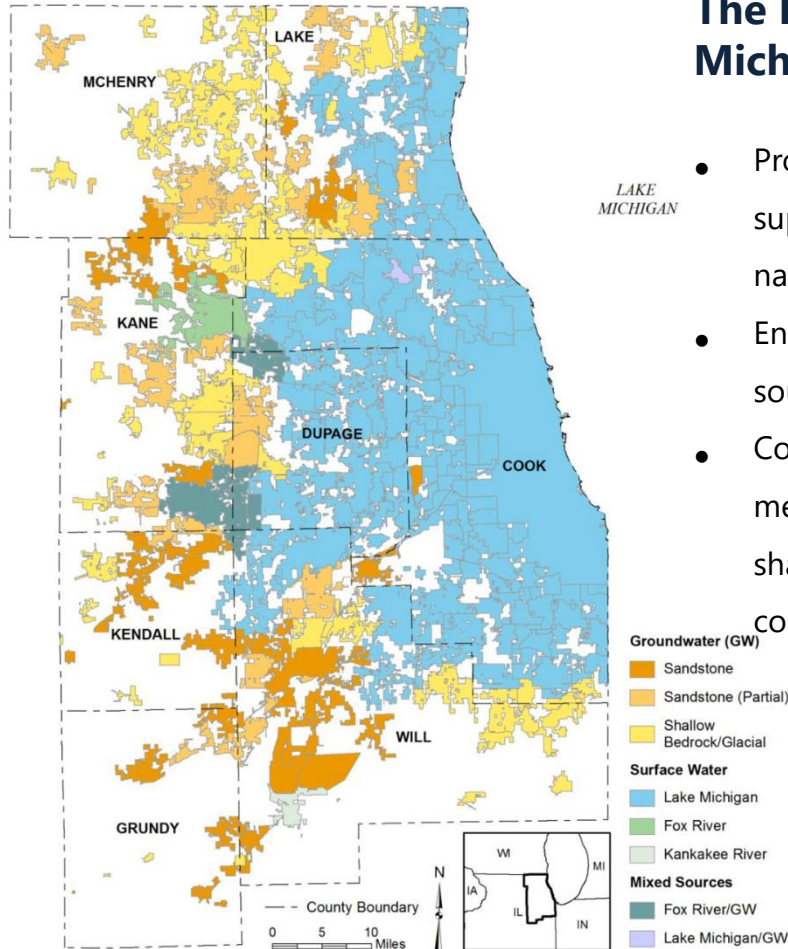


Figure 7: Source of municipal water used by each community in northeastern Illinois as of 2014.

The Benefits of Lake Michigan Water

- Proven record of continuous supply, high-quality water, naturally soft
- Ensures long term water source for the Village
- Costs for water treatment and meeting regulations are shared by larger group of consumers

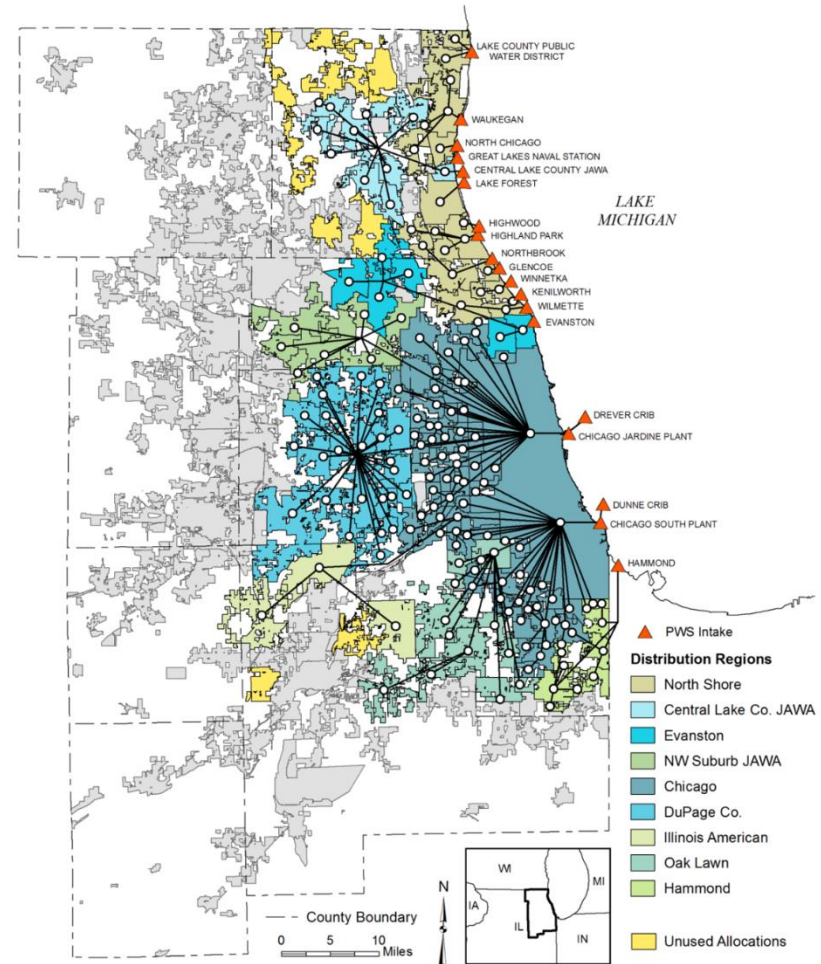


Figure 58: Lake Michigan water distribution network in northeastern Illinois for 2012. Connecting lines are illustrative and do not represent the physical pipelines.

Village performed comprehensive study of feasible alternatives

PHASE 2

Lake Michigan Water Source

- ~~DuPage Water Commission~~
- Regional Water Commission – City of Chicago
- ~~Illinois American Water Company~~

ILAWC – Evaluation of ILAWC Data indicated that RWC and DWC were more cost competitive options

DWC – Present value cost analysis indicates that RWC is more economical

ALTERNATIVE WATER SUPPLY STUDY PHASE 2 RESULTS

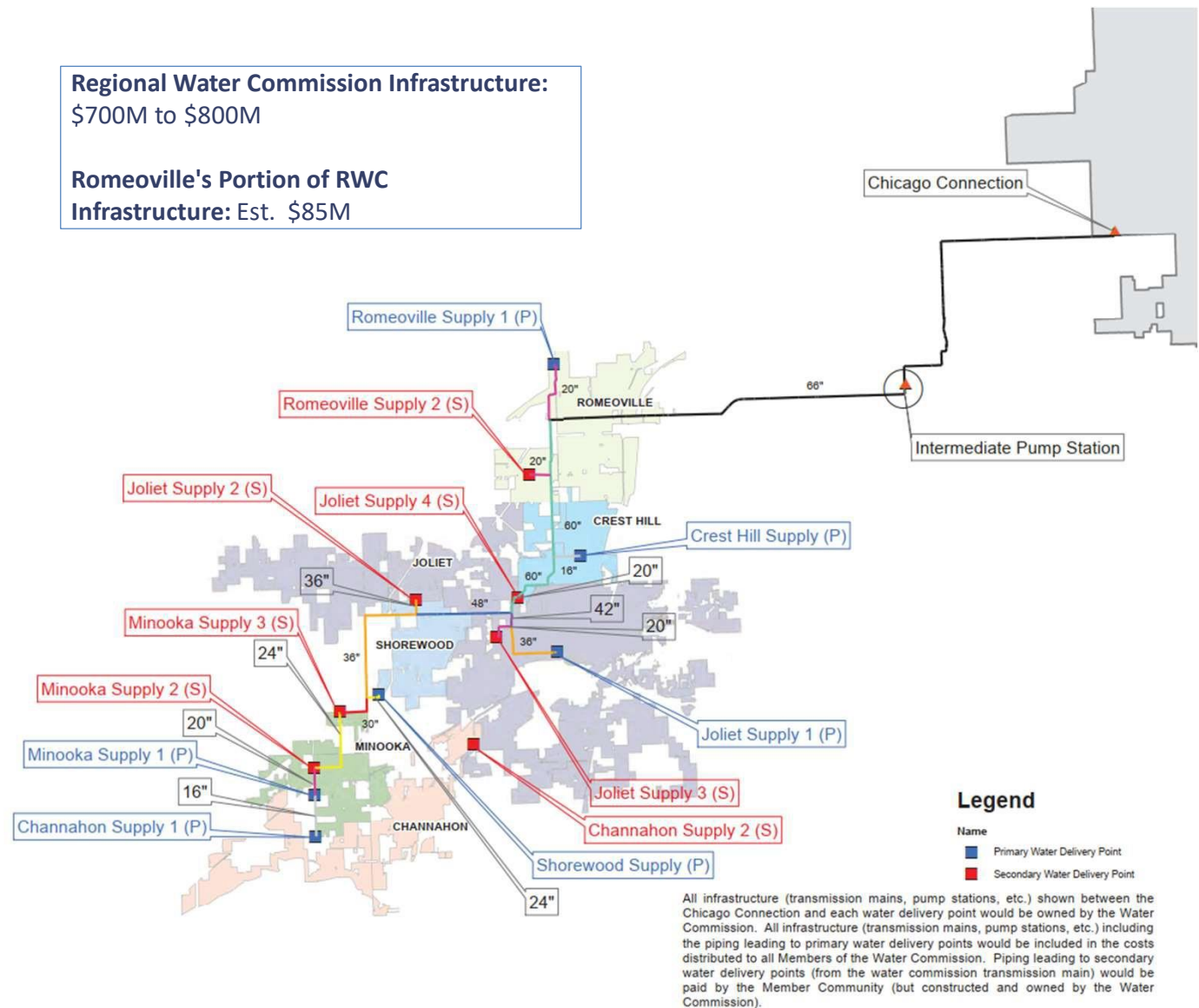
Regional Water Commission

REGIONAL PARTNERS

- Channahon
- Crest Hill
- Joliet (w/Rockdale)
- Minooka
- Romeoville
- Shorewood

Regional Water Commission Infrastructure:
\$700M to \$800M

Romeoville's Portion of RWC Infrastructure: Est. \$85M



Note: Location for facilities are conceptual and do not indicate final locations for the proposed infrastructure. Final siting and routing analyses are ongoing as part of the engineering design process.

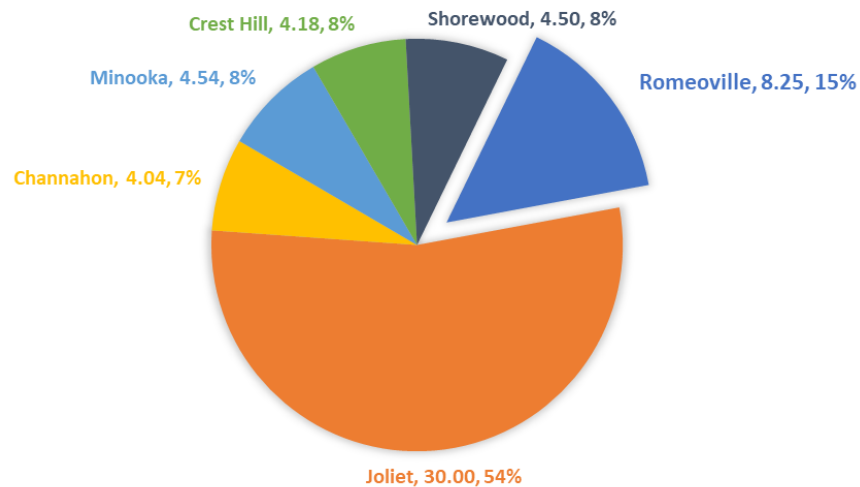
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Being a Part of the new Regional Water Commission Offers Romeoville Many Benefits

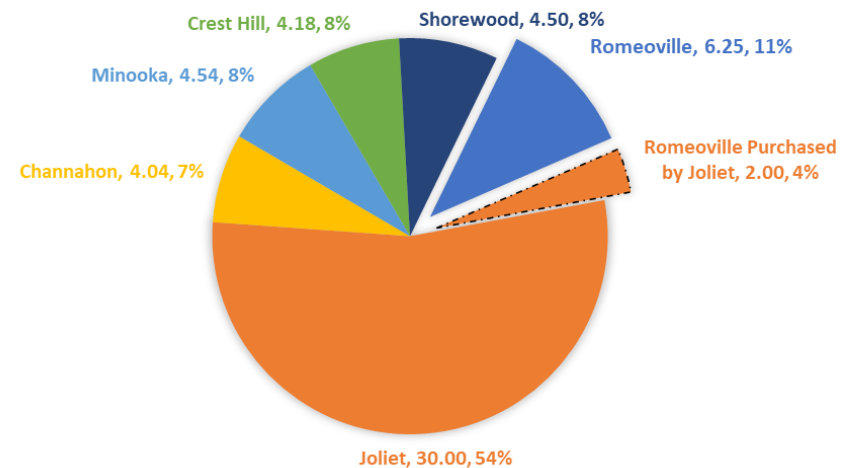
- ❖ Supply Transmission Main Runs Through Village and Minimizes Internal System Improvements
- ❖ Wholesale Purchase Rate is Transparent and Very Cost Advantageous
- ❖ Lake Michigan Provides Higher Water Quality than Groundwater Sources – Naturally Soft
- ❖ Village participation in Forming of Commission and Terms and Conditions
- ❖ Shared Costs for Transmission Main from Windham Facility to Airport Road Facility Significantly Reduces Internal Costs
- ❖ Higher Voting Authority Than Other Commissions
- ❖ Beginning of Supply Rather than End of the Line
- ❖ Construction Managed by Others
- ❖ Potential for Advantageous Funding Opportunities

Cost of Regional Water Commission Infrastructure Based on Projected 2050 Maximum Day Demand

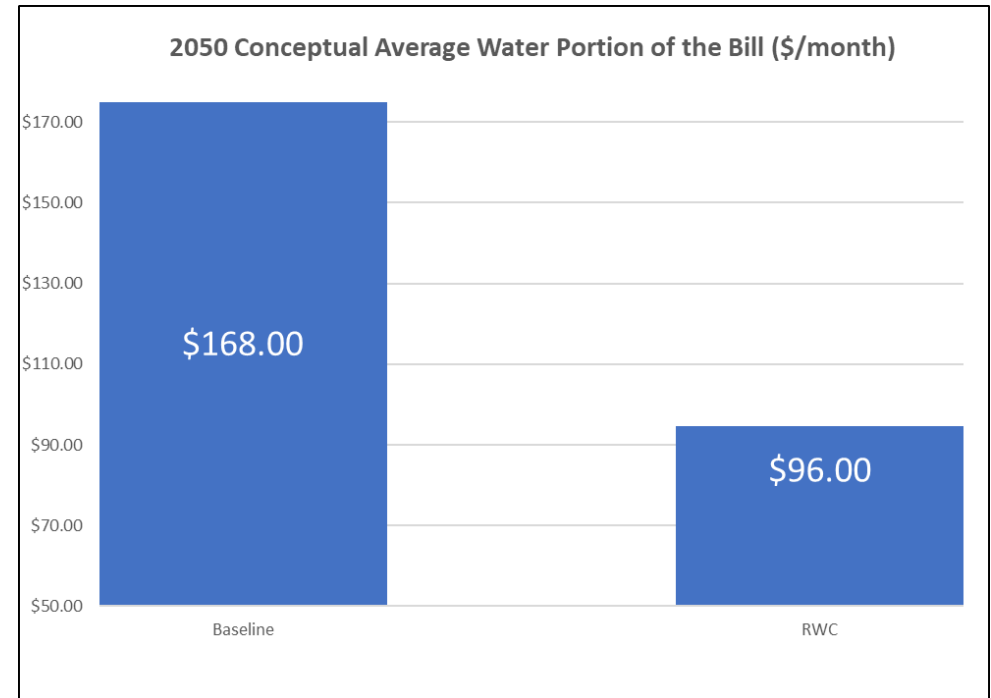
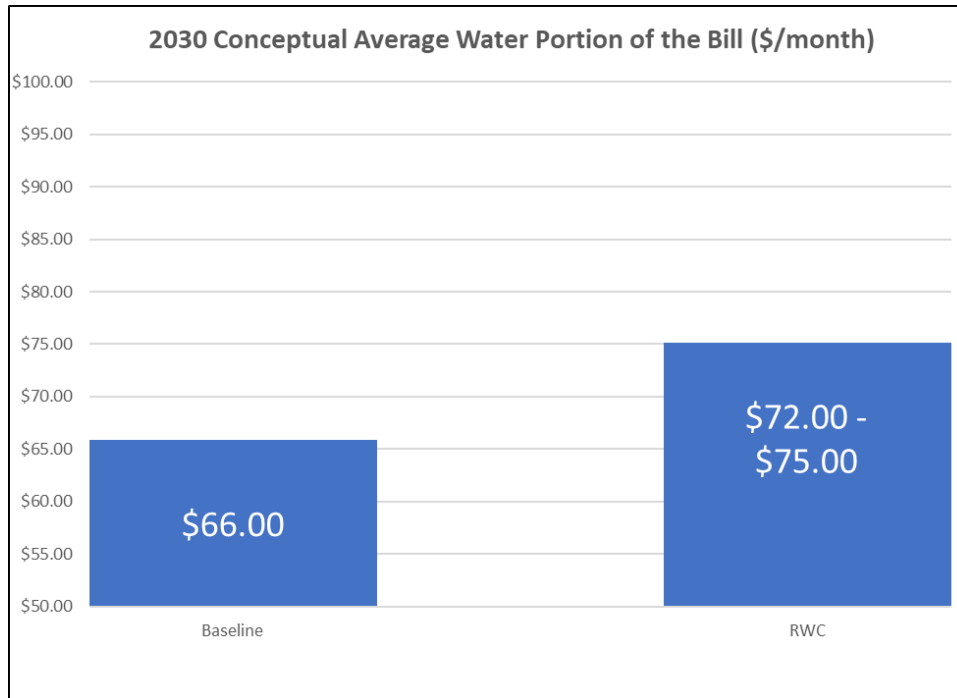
DECLARATION OF 2050 MAXIMUM DAY DEMAND (MGD)



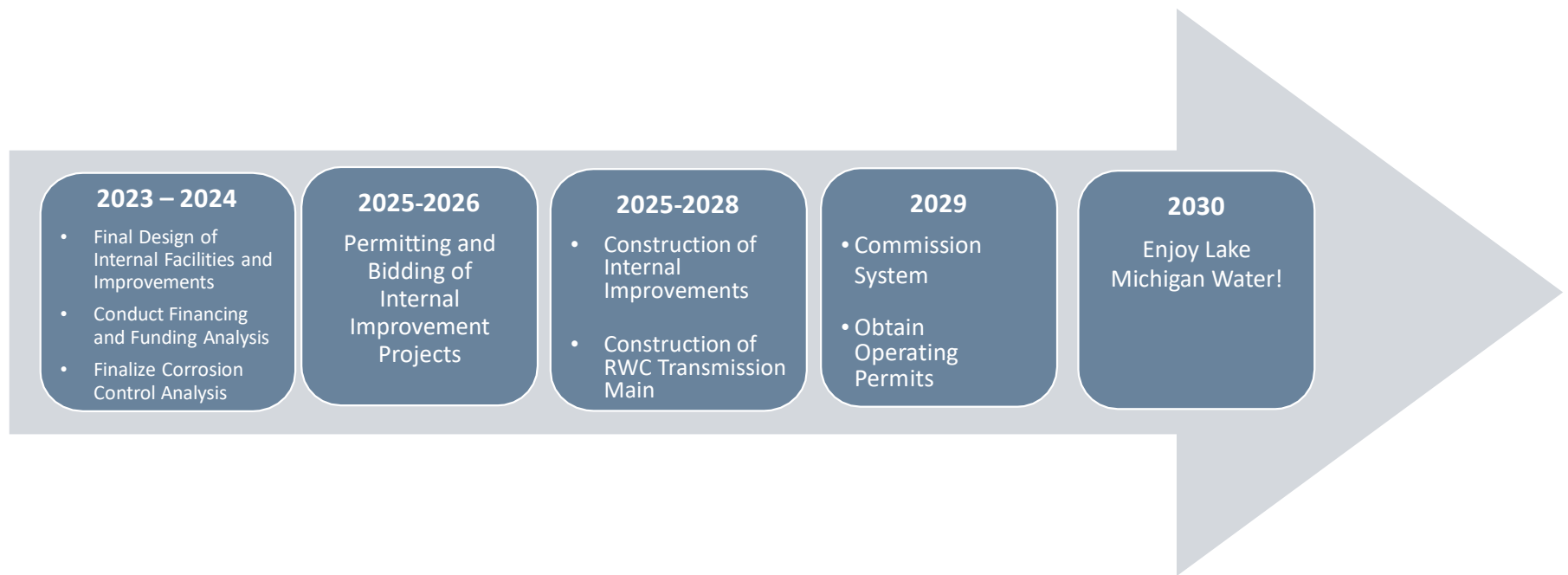
DECLARATION OF 2050 MAXIMUM DAY DEMAND (MGD)
BASED ON PROPOSED M.O.U. WITH JOLIET



Conceptual Water Bill Impact Analysis Results – Based on Currently Available Information and Average Usage of 6000



Regional Water Commission Timeline History



Agreement Structure

- Preliminary Agreement
 - Key Principles
 - Basis of Design
 - MOU with Joliet