

**MINUTES OF A COMMITTEE OF THE WHOLE MEETING
OSWEGO VILLAGE PRESIDENT AND BOARD OF TRUSTEES
OSWEGO VILLAGE HALL
100 PARKERS MILL, OSWEGO, ILLINOIS
March 3, 2020**

CALL TO ORDER

President Troy Parlier called the meeting to order at 6:00 p.m.

ROLL CALL

Physically Present: President Troy Parlier and Trustees James Marter, Terry Olson, Pam Parr, Luis Perez, Judy Sollinger and Brian Thomas.

Staff Present: Dan Di Santo, Village Administrator; Christina Burns, Asst. Village Administrator/HR Director; Tina Touchette, Village Clerk; Jeff Burgner, Police Chief; Jennifer Hughes, Public Works Director; Susan Quasney, Village Engineer; Rod Zenner, Community Development Director; Jenette Sturges, Community Engagement Coordinator, Marketing; Joe Renzetti, IT/GIS Manager; Jay Hoover, Building & Zoning Manager; Corinna Cole, Economic Development Director; Tim Zasada, Asst. Public Works Director, Utilities; Steve Raasch, Facilities Manager; Natalie Zine, Planner; Karl Ottosen, Village Attorney; and Ryan Morton, Village Attorney.

CONSIDERATION OF AND POSSIBLE ACTIONS ON-ANY REQUESTS FOR ELECTRONIC PARTICIPATION IN MEETING

There was no one who requested to electronically participate.

PUBLIC FORUM

Public Forum was opened at 6:01 p.m.

Gerald Sternberg addressed the Board regarding why the Village website does not show who is running for office; voting ballot should be on the Village's website; having a link to be able to gain knowledge; needing to get census information out to the public; millions or billions of money received by the State; help the State help the city.

Jack Nevin and Maggie Westlove addressed the Board regarding video gaming at convenience stores that do not have gas service; he owns the 7-Eleven on Douglas; been in the Village for 30 years; don't put him as a disadvantage; places near him have gaming; all gas stations are considered a convenience store whether they have gas or not; convenience stores should be on the same playing field and have the same advantages as others; his store is a family friendly store.

Mary Branchflower addressed the Board regarding the AACVB; she is part owner of Velvet Grace; business has been open for four years; the business has been featured on a Facebook page by the AACVB; AACVB videotaped the business, but didn't hear back from the AACVB; AACVB should attend a Downtown Association meeting; they need to be more involved with the Downtown businesses; need better communication from the AACVB to promote businesses and work together with tourism.

There was no one else who requested to speak; the Public Forum was closed at 6:15 p.m.

OLD BUSINESS

There was no Old Business.

NEW BUSINESS

F.1. Consideration and Discussion of the Potable Water Supply Issues Facing the Village of Oswego

Director Hughes addressed the Board regarding water supply issues.

History

- 1895 - Public water supply established with construction of a well. The first well was approximately 12-14 feet in diameter and 18 feet deep (shallow aquifer). Abandoned 1921.
- 1921 - Well No. 1 constructed (Abandoned)
 - 680 feet deep
 - Initially, this well was in service every night for a period of 1-1/2 to 2 hours and every other night for five hours.
- 1932 – Well 2 (Abandoned)
 - 720 feet deep
 - By 1945, these two wells produced 50,000 gallons per day.

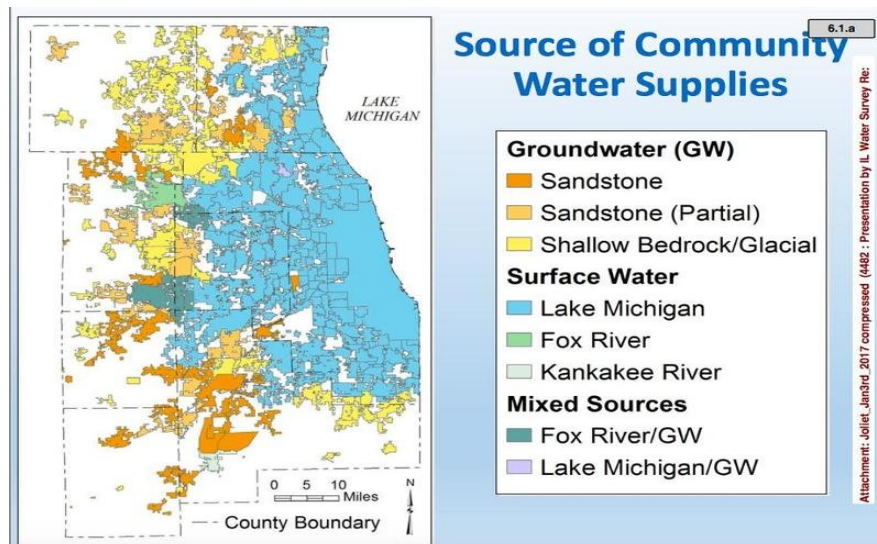
Wells in Service

- Well No. 3 (1957) – 550 gpm
- Well No. 4 (1964) – 600 gpm
- Well No.5 (1990) – 250 gpm - Abandoned in 2000
- Well No. 6 (1992) – 930 gpm
- Well No. 7 (1997) – 1,000 gpm
- Well No. 8 (2001) – 900 gpm
- Well No. 9 (2004) – 1,000 gpm
- Well No. 10 (2005) – 1,180 gpm
- Well No. 11 (2009) – 1,220 gpm
- Eleven years since the last well was built. Wells service 11,000+ accounts.

Oswego's Potable Water System

- 8 Wells with a capacity of 10,627,200 gallons per day
- FY2019 pumpage: 890,935,000 gallons
- 5 Water Towers hold 5,300,000 gallons (about 2.1 average days of pumpage)
 - Back-up supply
 - Water used in event of fires or needing to take a well down for service
- Watermain: 173 miles
- 69.3 gallons per day per person
- 2.44 million gallons on average day

Source of Community Water Supplies



Why Are We Talking About This Now?

- Depletion of aquifer
 - Depleting twice as fast as being replenished
- Joliet decision
 - Deadline to connect with them needs to be made in the next year
- Development pressures – land is available now
 - Prices can go up
- 95th Street – confirm when Aurora might move on this
 - One of the clear corridors
 - Keeping costs down because it's all open fields right now
- Lead time to implement the project
 - 5-10 years

Illinois State Water Survey

- Different aquifers in blue
- Mt. Simon is deep, but it's salt water and it is not cost effective to remove the salt
- The darker the red, the lower the water is
- Southern WI to the Rock River

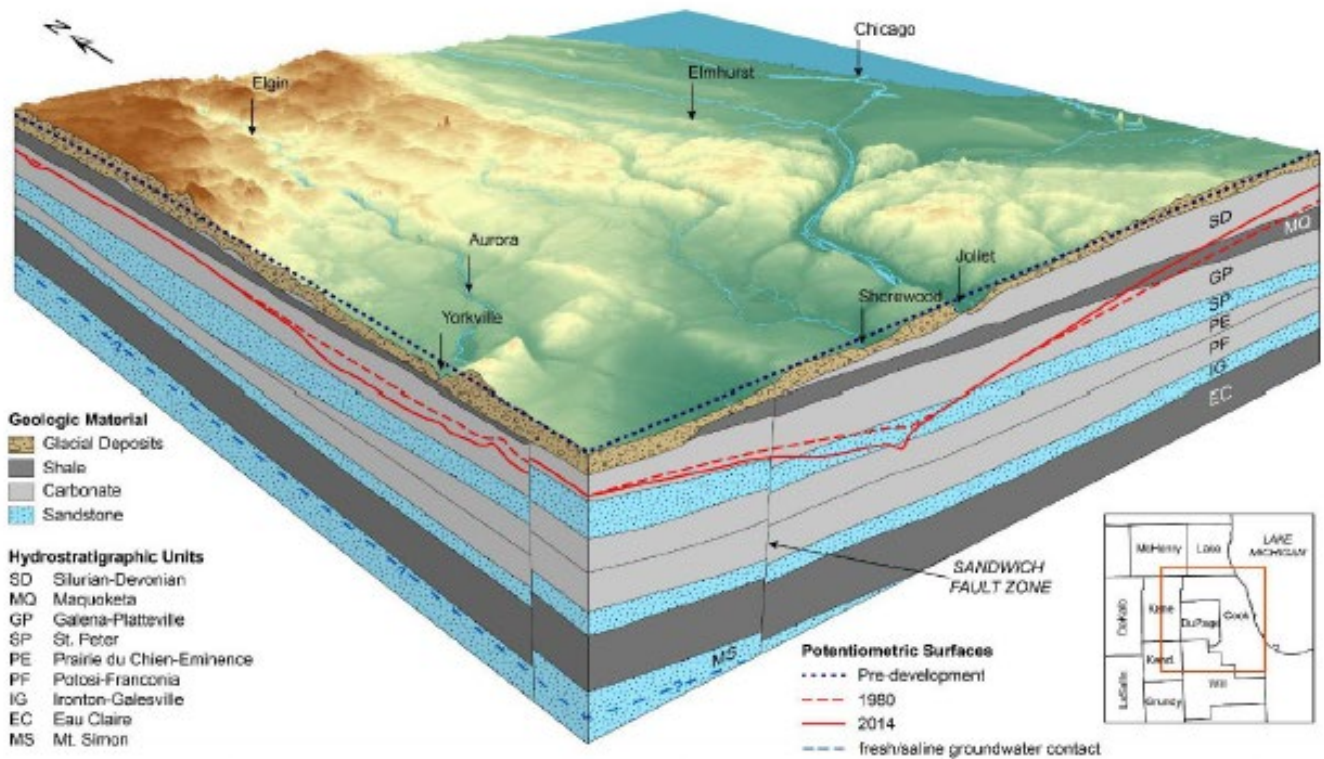
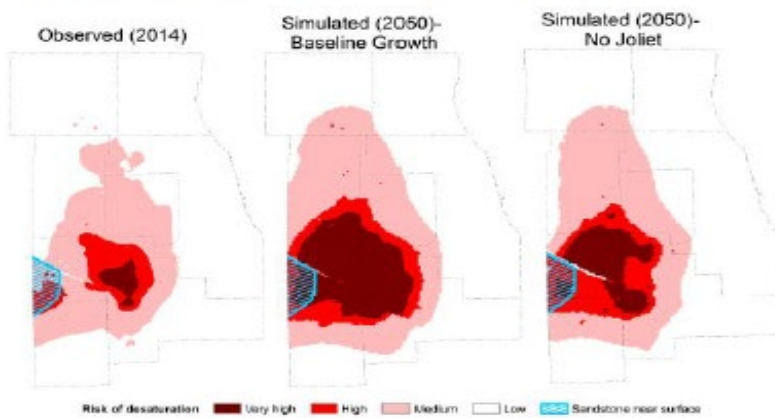


Figure 23: Potentiometric surface of the Cambrian-Ordovician sandstone aquifers for predevelopment, 1980, and 2014 in northeastern Illinois. The left cutaway runs through southern McHenry, Kane, and Kendall Counties. The right cutaway runs through Kendall, Will, and southern Cook Counties

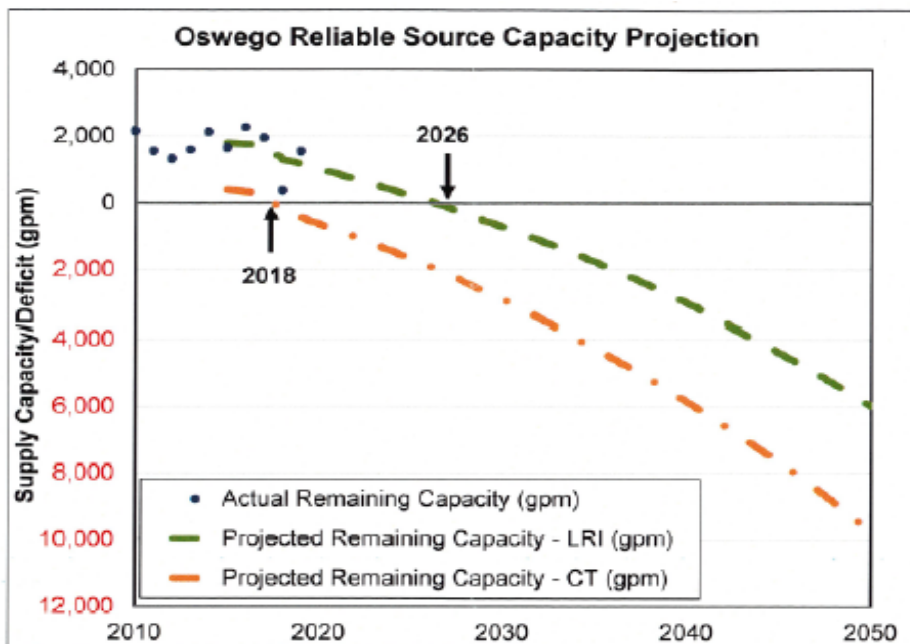
Water: The Issue (Water Planning)

Risk of desaturation (Future)



Decisions

- Orange- projection of current trends
- Green- conserving water could extend out a little bit
- By 2026, will need a new well to meet the demand
 - 2-3 years to get the well built
 - Not in the budget



Previous Studies

- HR Green, "Water Study," July 2014.
 - Identified System Improvements
 - Recommended new water source: Fox River
- EEI, "Sub-Regional Water Supply and Treatment Analysis," June 2016
 - Evaluated potential for partnering with Yorkville and Montgomery
- EEI, "Water and Sewer Rate Analysis and Summary," August 2017

- Reviewed existing budget and capital needs as a basis for recommended water rates
- Metropolitan Planning Council, “Shared Drinking Water Service: A Summary Report on Available Governance Structures,” June 2018.
 - Identified and evaluated ways communities could work together administer the new water source
- AECOM, “Feasibility Study to Receive Lake Michigan Water Via the DuPage Water Commission,” September 2018
 - Determined it is technically feasible to connect to the DPWC
- Both options still need to work with the water systems

Fox River Alternative

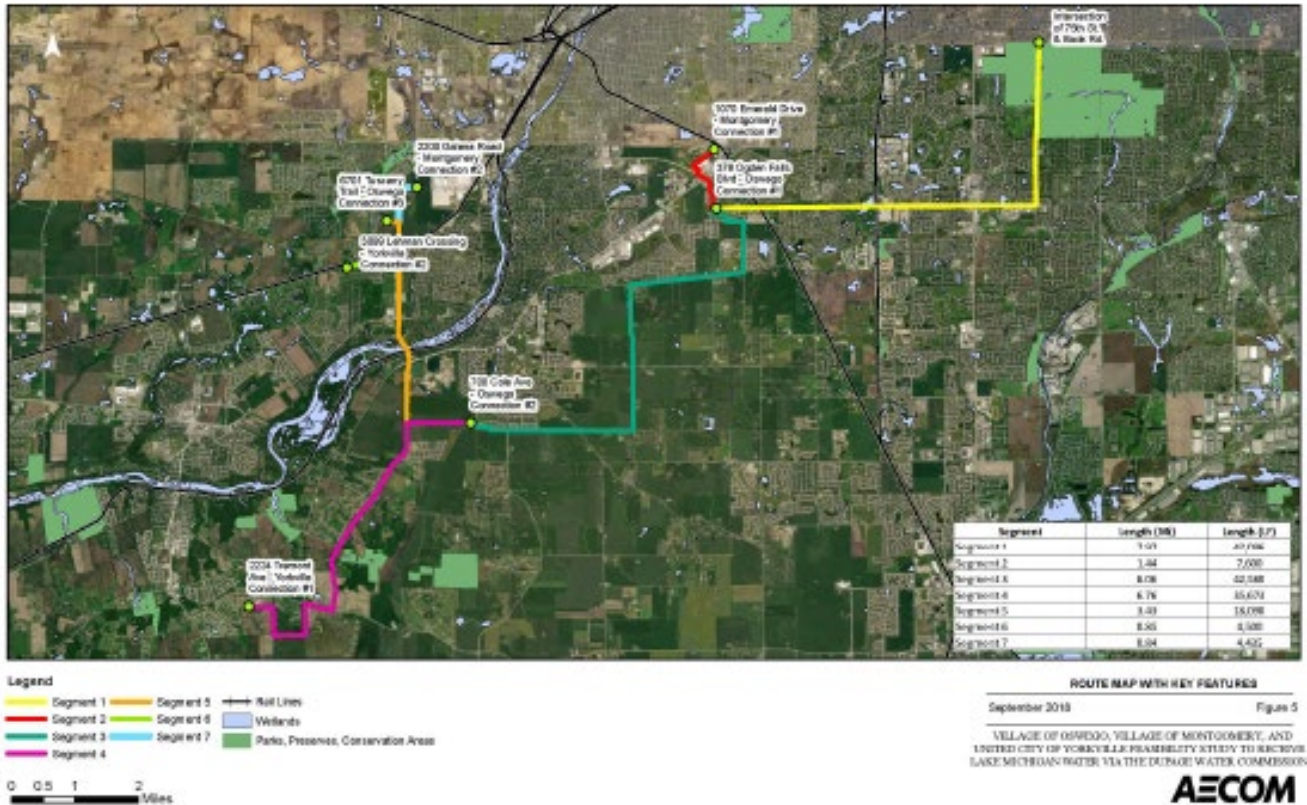
- Governance model for plant/operation/costs
 - Would need to be staffed 24/7
 - Who would take it on?
- Determine how to mix river and sub-surface water
- Permit from the Department of Natural Resources to withdraw water from the river
- Design
- Land acquisition for plant
- Construction of distribution system improvements
- Construction of plant
- Maintenance of existing wells – what to do with WRT system?
 - WRT system removes radium from the water

Lake Michigan Alternative

- Determine partner
 - DuPage Water Commission
 - Joliet
- Testing
 - Will still need to test for water quality
 - Understanding the chemicals needed
- Permit from the Department of Natural Resources to withdraw water from Lake Michigan
- Design
- Obtain easements for transmission main
- Construction of distribution system improvements
- Construction of transmission main
- Abandon existing wells?

Transmission Mains (Oswego, Yorkville, Montgomery)

- DuPage option
 - Water needs to go under the Fox River
 - Plant needs to be near the Orchard Rd. area



Issues to Consider

- Schedule
 - By year 2050, will be in serious trouble
- Governance / Control over future costs => rates
- Future needs met?
 - Fox River would still require a backup source for times when river is low
- Emergency backup
 - How long will it take to fix?
- Whether to keep the wells
- Water quality
- Funding
 - Many millions of dollars

Schedule Constraints

- Aquifer drawdown
- Joliet's schedule
 - Running out of water in 10 years
 - Oswego to go through Shorewood to connect to Joliet
- Need for well by 2026
 - Sooner rather than later
 - \$5 million+
- Expiration of WRT contract – October 2023
- Implementation
 - Consultant
 - Testing
 - Permits

- Construction
- Fox River will take 10 years to implement

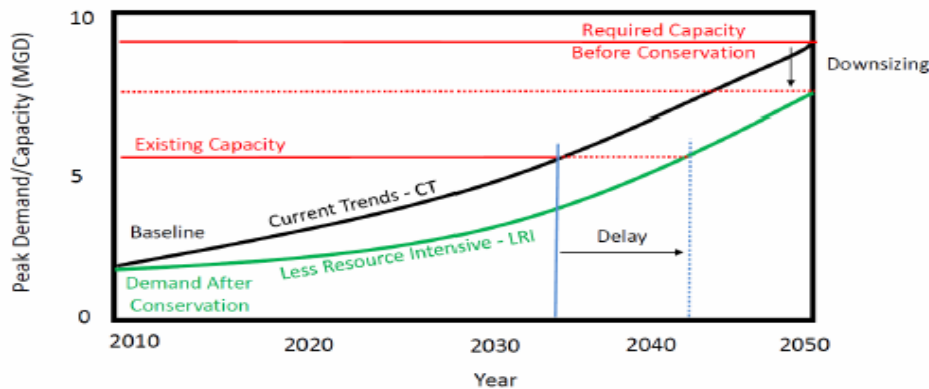
Next Steps (within the next two years)

- Promote conservation measures
- Evaluate options
 - Route study for Joliet
- Select preferred alternative
- Hire engineer

Conservation



Deferred Capacity Increases Due To Water Use Reduction



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“If we run out of water, we don’t have a community. Businesses and residents want to know that they have safe, clean drinking water that’s affordable.”

Board and staff discussion focused on still have a problem even with Joliet coming off the aquifer; re-constructing the network of water lines; Bartlett is going to the DuPage Water Commission; some Village wells are being lowered; almost at limit on how far they can be lowered; needing to make a decision in the next two years; needing direction on whether to add Joliet as an option; whether any other communities are partnering with Joliet; new well would be 1,400-1,800 feet deep; Well 9 at 1,100 feet; needing to know where the new well would go; what Yorkville and Montgomery are doing; if more communities move to the Lake Michigan option, the more that is saved; Joliet is not putting extra capacity in; Joliet needs to decide whether they are connecting through Chicago or Indiana; unknown which options are more cost effective; intangibles will drive the decision; water quality and availability; would still keep some of the wells running; Aurora sees impact on wells; still may not have enough water if using the Fox River; staff to provide a matrix with the pros and cons of each option; biggest issue is timing; doing nothing is not an option; reliability of other partners; terms of contracts is an issue; negotiating a long term contract; tying rate to source; keeping wells for emergencies; Asst. PW Director Zasada understands Oswego’s water system and maximizes the system; excellent job; using hydraulics to save on electrical power; including Lake Michigan and Joliet as an option; difference between Joliet and DuPage Water Commission; might be cheaper for Montgomery to choose the Fox River option; Montgomery has more time to make a decision than Oswego does; recapturing costs if another community ties into the system after it is already built; it’s a blessing to have three options for water. Staff will bring this item back for further discussion on the three options. There was no further discussion.

F.2. Consideration and Discussion of the Village's Pavement Management Program and Related Funding

Item was moved to the March 3, 2020 Regular Village Board meeting under Staff Reports.

CLOSED SESSION

There was no Closed Session held.

ADJOURNMENT

The meeting adjourned at 7:04 p.m.

Tina Touchette
Village Clerk