

**MINUTES OF A COMMITTEE OF THE WHOLE MEETING
OSWEGO VILLAGE PRESIDENT AND BOARD OF TRUSTEES
OSWEGO VILLAGE HALL
100 PARKERS MILL, OSWEGO, ILLINOIS
July 13, 2021**

CALL TO ORDER

President Troy Parlier called the meeting to order at 6:02 p.m.

ROLL CALL

Board Members Physically Present: President Troy Parlier; Trustees Tom Guist, Kit Kuhrt, James Marter II, Terry Olson, Jennifer Jones Sinnott and Brian Thomas.

Staff Physically Present: Dan Di Santo, Village Administrator; Christina Burns, Asst. Village Administrator; Tina Touchette, Village Clerk; Jeff Burgner, Police Chief; Jennifer Hughes, Public Works Director; Rod Zenner, Community Development Director; Mark Horton, Finance Director; Scott McMaster, ED Director; Joe Renzetti, IG/GIS Director; Jenette Sturges, Community Engagement Coordinator, Marketing; Karl Ottosen, Village Attorney; and Douglas Dorando, Village Attorney.

PUBLIC FORUM

Public Forum was opened at 6:02 p.m.

Gerald Sternberg addressed the Board regarding infrastructure; fibrous in concrete; other reinforcement types; saving money on curbs and concrete; rental housing.

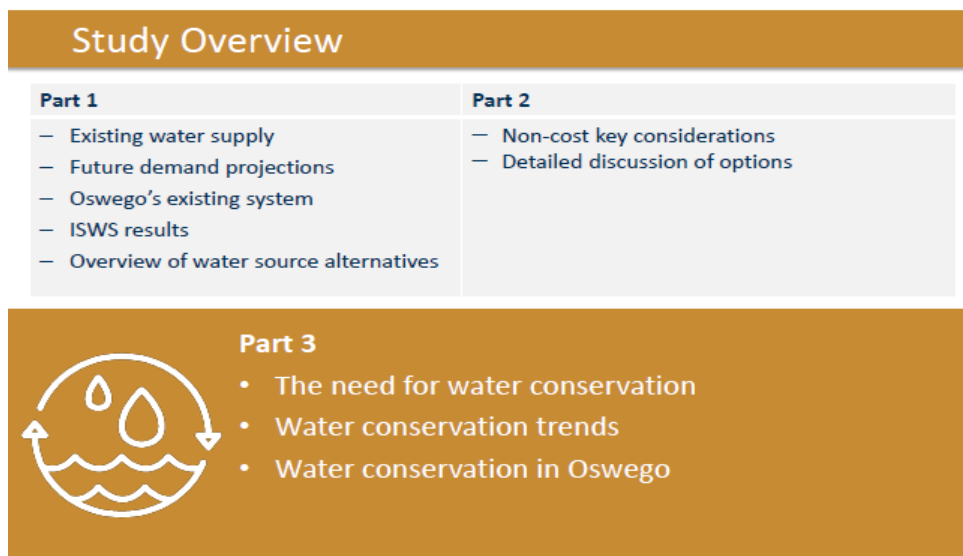
Jose Villarreal addressed the Board regarding the death of his son at the intersection of Mill Road/Lynx and Washington Street; he was a Sgt. First Class and did three tours in the Middle East; need to do something at that intersection; school is a half block away; cars are doing over 25 mph; advocate so no one else goes through this.

There was no one else who requested to speak. The public forum was closed at 6:09 p.m.

OLD BUSINESS

F.1 Update on the Alternative Water Source Evaluation – Part 3: Water Conservation

Director Hughes addressed the Board regarding alternative water source options and water conservation. The presentation will address the issue of the max day to average day ratio; the minimum requirements for the Lake Michigan permit; and introduce other conservation measures that could be considered later. Baxter & Woodman representatives, Carolyn Grieves and Lauren Schuld attended in person and presented the following:



The slide is titled "Study Overview" and is divided into three parts. Part 1 and Part 2 are listed in a table, while Part 3 is shown below with a water drop icon.

Part 1	Part 2
<ul style="list-style-type: none">- Existing water supply- Future demand projections- Oswego's existing system- ISWS results- Overview of water source alternatives	<ul style="list-style-type: none">- Non-cost key considerations- Detailed discussion of options

Part 3

- The need for water conservation
- Water conservation trends
- Water conservation in Oswego

- Lake Michigan has very specific requirements



The Need for Water Conservation

- Water Demand Projections
- Peak Water Usage
- IDNR Requirements

Water Conservation in Oswego

- Current Measures
- Proposed Measures
- Additional Considerations

- Important practices to embrace

Water Conservation

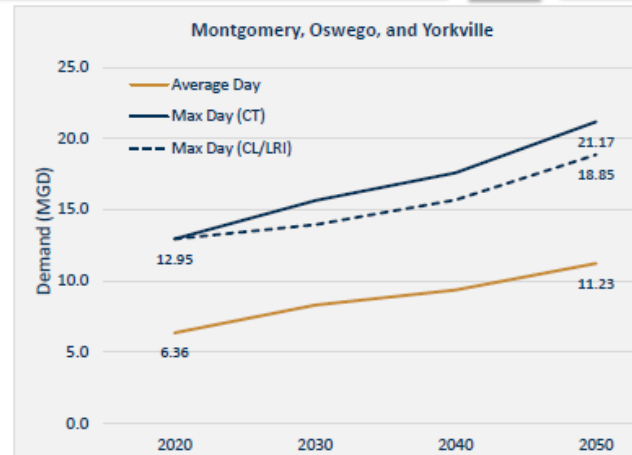
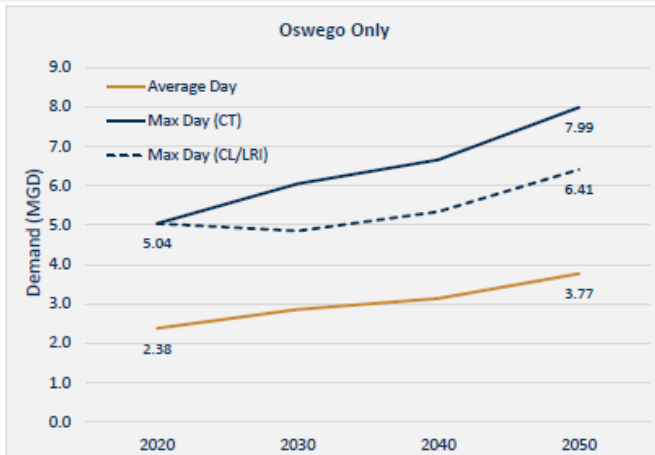
Water conservation is the practice of using water effectively to reduce unnecessary usage

Conservation is critical to ensuring the availability of water, sustaining the natural world and supporting economic, recreation, and drinking water needs

- By conserving water, would save 1.5 million gallons per day
- Would reduce infrastructure needs
- Projected water demands through 2050 with conservation plan in Oswego = 6.41 max day
- Conservation will not replace the need for a new water source

“Oswego’s sandstone withdrawals are not sustainable. Future water level declines pose a risk to Oswego’s sandstone water supply, and the community will eventually require a new water supply source.” - ISWS

The Need for Conservation - Water Demand Projections



- Help buy time for the short-term capital improvements
- Rebates
- Outdoor water uses

The Need for Conservation - Peak Water Demands



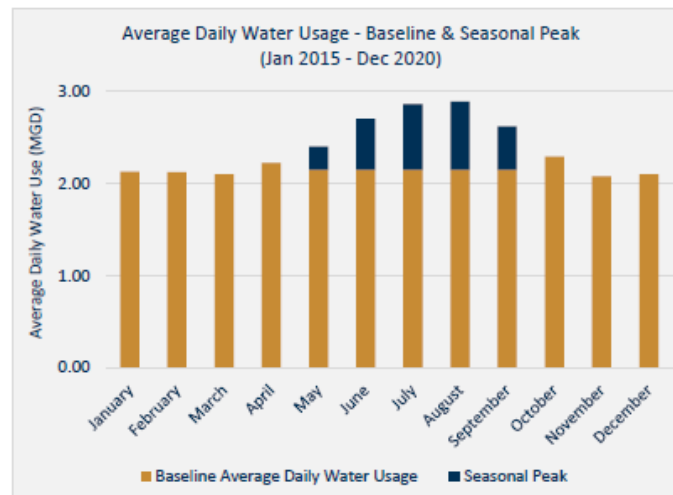
Baseline Demand

- Low-flow plumbing
- High efficiency appliances
- Public education

Seasonal Peak Demand

- Irrigation requirements
- Lawn watering restrictions
- Sod/seeding restrictions

Defer short-term capital improvements needed to meet increasing water demands



- Village's ordinance will need to be updated to get Lake Michigan allocation

The Need for Water Conservation – IDNR Requirements



Conservation Practice	Satisfied by Existing Oswego Ordinance	Performed but Not Included in Existing Oswego Ordinance
1) Leakage monitoring and correction for storage, transmission and distribution systems.	No	Yes
2) Metering of all new construction. When practicable and feasible, the Department recommends sub-metering in new multi-family buildings.	No	Yes (metering) No (sub-metering)
3) Metering of existing non-metered services as part of any major remodeling.	No	Yes
4) The adoption of ordinances requiring that new and replacement plumbing fixtures be a labeled WaterSense product, as specified by US EPA.	No	No
5) The adoption of ordinances requiring the installation of closed system air conditioning in all new construction and in all remodeling.	No	No
6) The adoption of ordinances requiring that all lavatories for public use in new construction or remodeling be equipped with metering or self-closing faucets.	No	No
7) The adoption of ordinances requiring that all newly constructed or remodeled car wash installations be equipped with a water recycling system.	No	No
8) The adoption of ordinances that restrict non-essential outside water uses to prevent excessive, wasteful use. These shall provide that unrestricted lawn sprinkling will not be allowed from May 15 through September 15 of each year by requiring, as a minimum, that lawn sprinkling shall not occur on consecutive days nor shall any lawn sprinkling occur during at least a 6 hour period in the middle of the day (i.e., 10 a.m. through 4 p.m., noon to 6 p.m.) when evapotranspiration is at its highest. New lawns (less than 3 months old) may be exempted from this provision.	Yes	N/A
In addition, new/replacement sprinkler systems shall be equipped with a WaterSense labeled irrigation controller and shall be in compliance with Section 2.5(g) of the Illinois Plumbing License Law [225 ILCS 320].	No	No
9) Development and implementation of public programs to encourage efficient water use.	No	No
10) Installation of facilities and implementation of programs to reduce to a reasonable minimum, and to accurately account for, water used for navigational and discretionary diversion purposes.	N/A	N/A

- Possible to meet the 10% with small modifications

The Need for Water Conservation – IDNR Requirements



AWWA Water Balance Table

Non-revenue water is the difference between the volume of water produced and the volume of water billed to customers.

AWWA M36 Water Audit Software

IDNR requirement less than 10%

For Water Calendar Year 2019, Oswego had approximately **11% non-revenue water**

Total System Input	Water Exported	Authorized Consumption	Billed Authorized Consumption	Billed Water Exported		Revenue Water
	Water Supplied			Billed Metered Consumption	Billed Unmetered Consumption	
Water Losses		Apparent Losses	Unbilled Authorized Consumption	Unbilled Metered Consumption	Unauthorized Consumption	Non-revenue water
	Unbilled Unmetered Consumption			Customer Metering Inaccuracies		
	Real Losses	Leakage on Mains	Data Handling Error			
		Leakage on Service Lines				
		Leakage and Overflows at Storage				

- Annual leak detection
- When to fill swimming pools
- Rolling current practices into future ordinance

Tina Touchette
Village Clerk