



1

Othello Demographics

- Median Income Below State Average
- Child Poverty Rate 3x State Average
- 88% Persons of Color

Persons of Color:

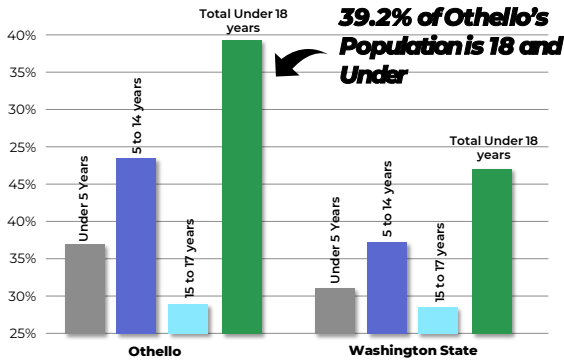
Project Census Tract 88%

WA Avg. 31%

Mortality Rate:

Project Census Tract 871/100,000

WA Avg. 682/100,000



2

Othello's Water Supply Issues and Objectives

- 100% reliant on **rapidly depleting** groundwater supply
- Ensure our community has access to **reliable clean water** supply
- Provide for **economic vitality** (we are a home to regional ag processors)
- **Mitigating** environmental disparities
- **Resilience** to drought

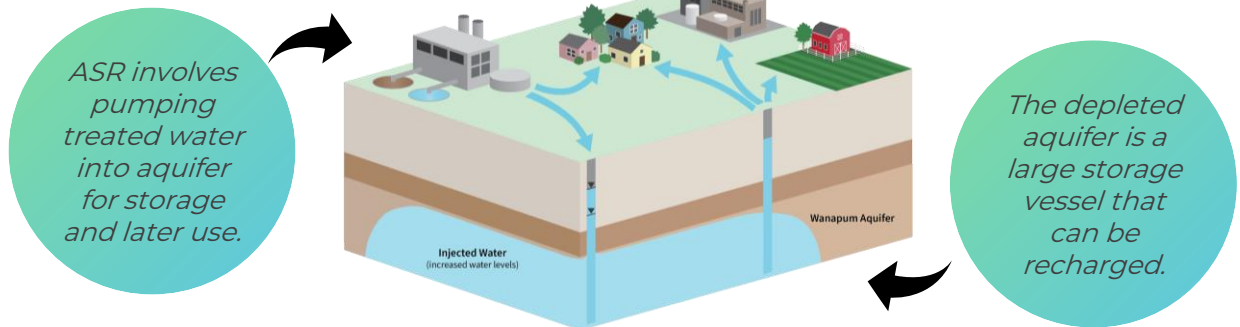


We Have a Critical Need to Diversify Water Supply for Future Sustainability

3

Water Supply Strategy Advancement

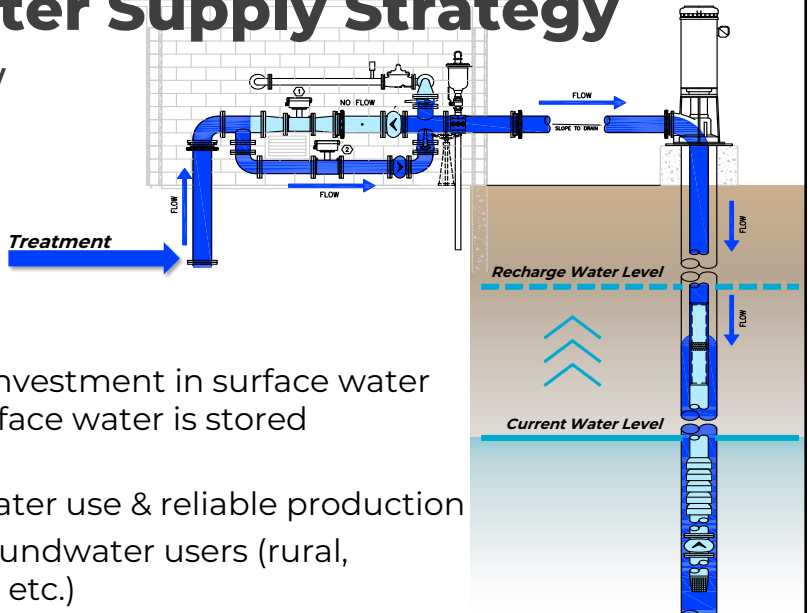
- **Development of Water Supply Sustainability Strategy**
 - Short-term:** Optimize groundwater capacity (completed)
 - Long term:** Diversify water supply source options
- **Optimize Seasonally Available Surface Water through Treatment, Direct Use, and Aquifer Storage and Recovery (ASR)**



4

Othello's Water Supply Strategy

ASR Overview

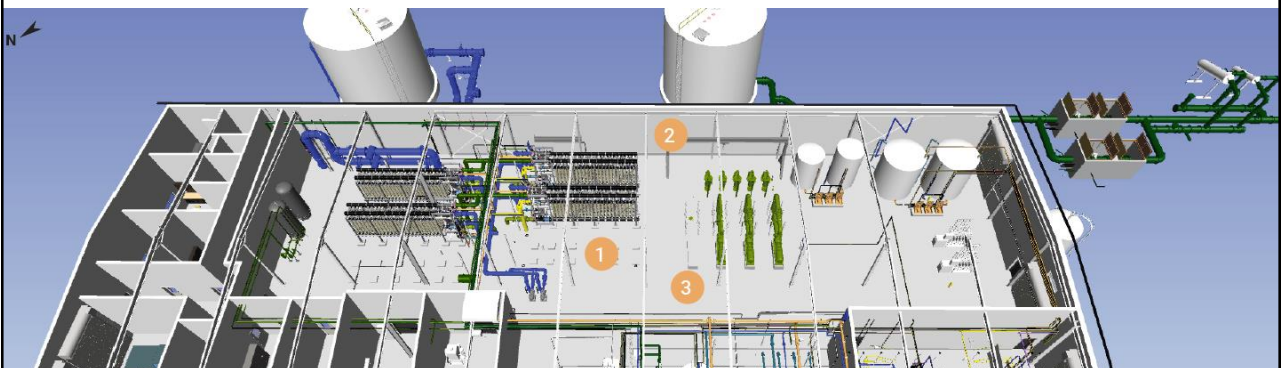


- Maximizes the City's investment in surface water treatment (excess surface water is stored underground)
- Sustainable groundwater use & reliable production
- Benefit to all local groundwater users (rural, agriculture, industrial, etc.)

5

Treatment Plan (phased expansion)

- Need flexibility, **expandability**, easy of use
- Pressure membrane can handle turbidity spikes
- Smart analyzers for contaminants



6

Project Phases and Funding



Project thoroughly developed & advanced through Phases 1 & 2

- **City's Secured \$11+ Million since 2012**
- **2025 City purchase of 77 acres for the treatment plant**
- **Funding Sought to Complete Phase 3: Water Treatment Plant design and construction**

Phase 3 addresses City's long-term resiliency goals

7

Future Phases

How we'll scale our modular facility in the future...

What we need now	What we'll do next	Where we're going
<p>2027</p> <p>Water Treatment Plant design and construction</p> <p><i>direct supply and initiate ASR</i></p>	<p>2025+</p> <p>Reuse planning & WTP modifications</p> <p><i>reuse or increased diversion</i></p>	<p>2030+</p> <p>Year-round treatment / higher capacity</p> <p><i>expand ASR operations</i></p>

8

What We Need



Current Need

Funding to design and build an expandable water treatment plant to provide water supply resiliency and sustainability.



Long Term

Funding to expand treatment facility to also receive process water from food processors to support regional industries in a sustainable manner.

