



# Lake County Public Works Annual Update

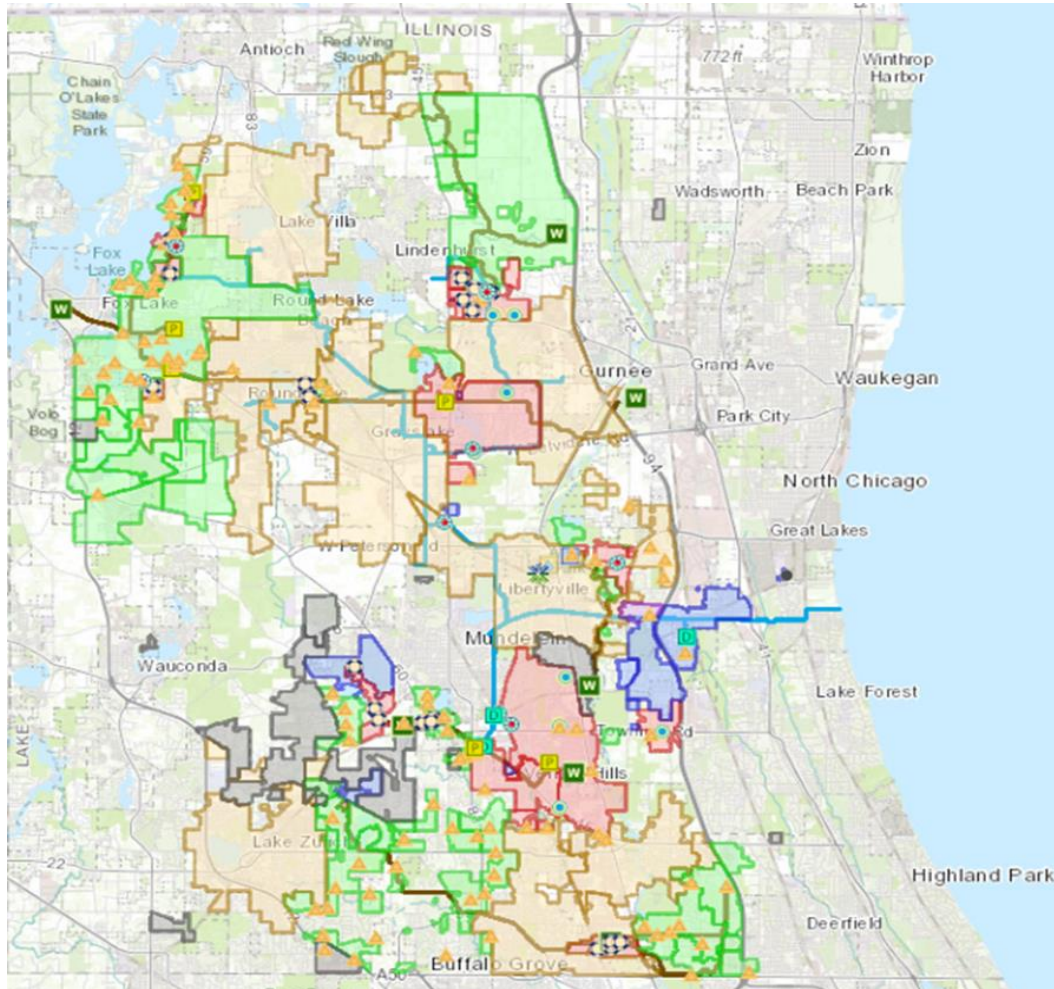
**Austin McFarlane**

**Interim Director**

**June 7, 2023**

**Public Works Mission: Deliver exceptional, financially sustainable, reliable, drinking water and wastewater services in a safe manner, ensuring high quality service, public health and environmental stewardship.**

# Services Provided Through a Network of Systems



- A. Continued essential services to > 40% of County residents**
- B. 12 Water Systems**
  - Ground and Surface water
  - 8 towers and 9 reservoirs
- C. 3 Wastewater Reclamation Facilities**
  - 107 lift stations
  - 5 pump stations
  - 7 regional interceptor sewers
  - 8 sanitary sewer systems

# PW Staffing



**99 Full Time**  
**3 Part-time**



**52 union (Local 150)**



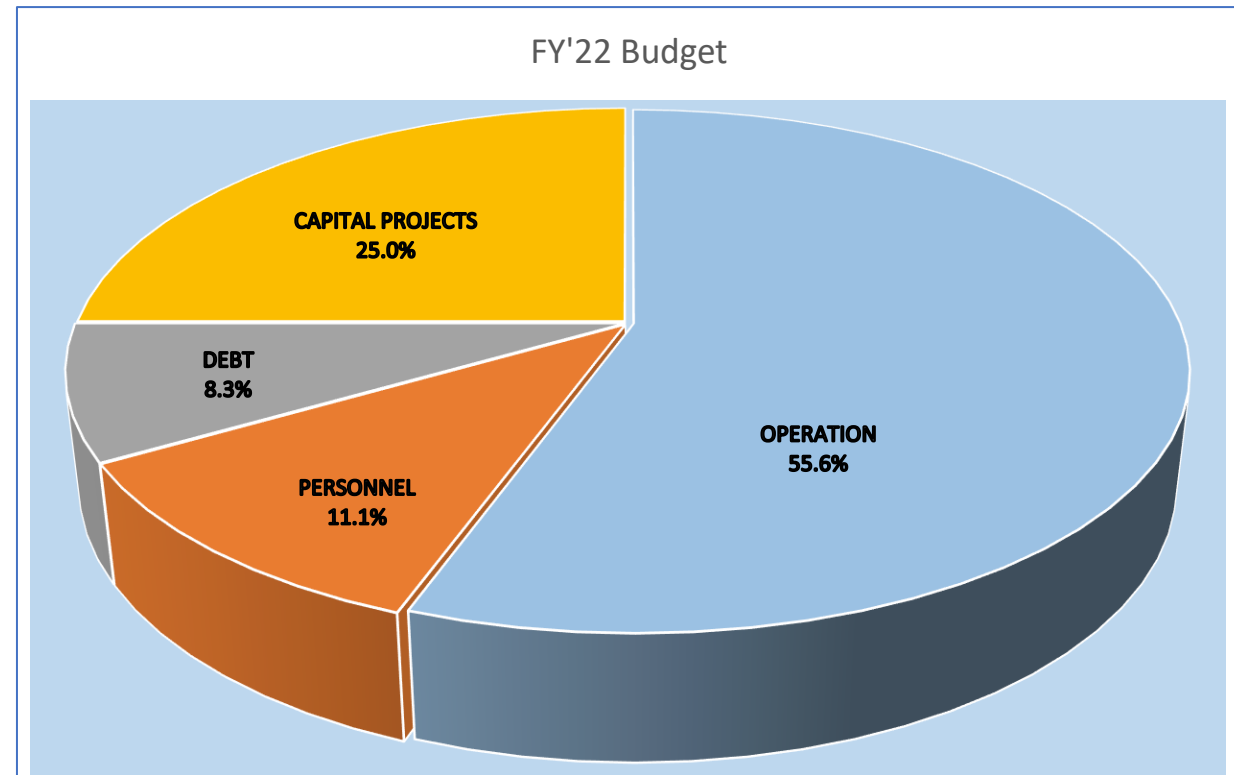
**80% of Operators possess an IEPA License and the Laboratory is IEPA/IDPH certified.**

- **21% Turnover Rate in FY'22**
- **30% Turnover Rate due to – Retirement**
- **In-House Training for CDL**
- **IEPA Training Classes**
- **Developing approved Courses for CEU (Water/Wastewater).**

# Budget – FY'22

- **Operation = \$40M**
- **Personnel Cost = \$8M**
- **Debt Service = \$6M**
- **Capital = \$18M**  
**(5-yr CIP) = >\$89M**  
**(10-yr CIP) = >\$160M**

**Preservation = 79%**  
**Modernization = 18%**  
**Expansion = 3%**



# FY'22 Actions

## A. Capital Projects

- Oak Terrace – Phase1
- Linden Avenue Sewer Rehab
- Des Plaines River WRF – Bar Screen Replacement
- Force Mains Improvement at:  
Wellington, South Cedar,  
Tree Lakes
- New Century Town WRF –  
Bar Screen Replacement
- Rt. 83 Sewer Line  
Improvement



# FY'22 Actions

## A. Capital Projects

- Sunset Drive Gravity Sewer Improvement
- Oakwood Water Main Improvement
- Baker Road Water Main Replacement
- North Libertyville Estate Drainage Improvements
- Lincolnshire Interconnection



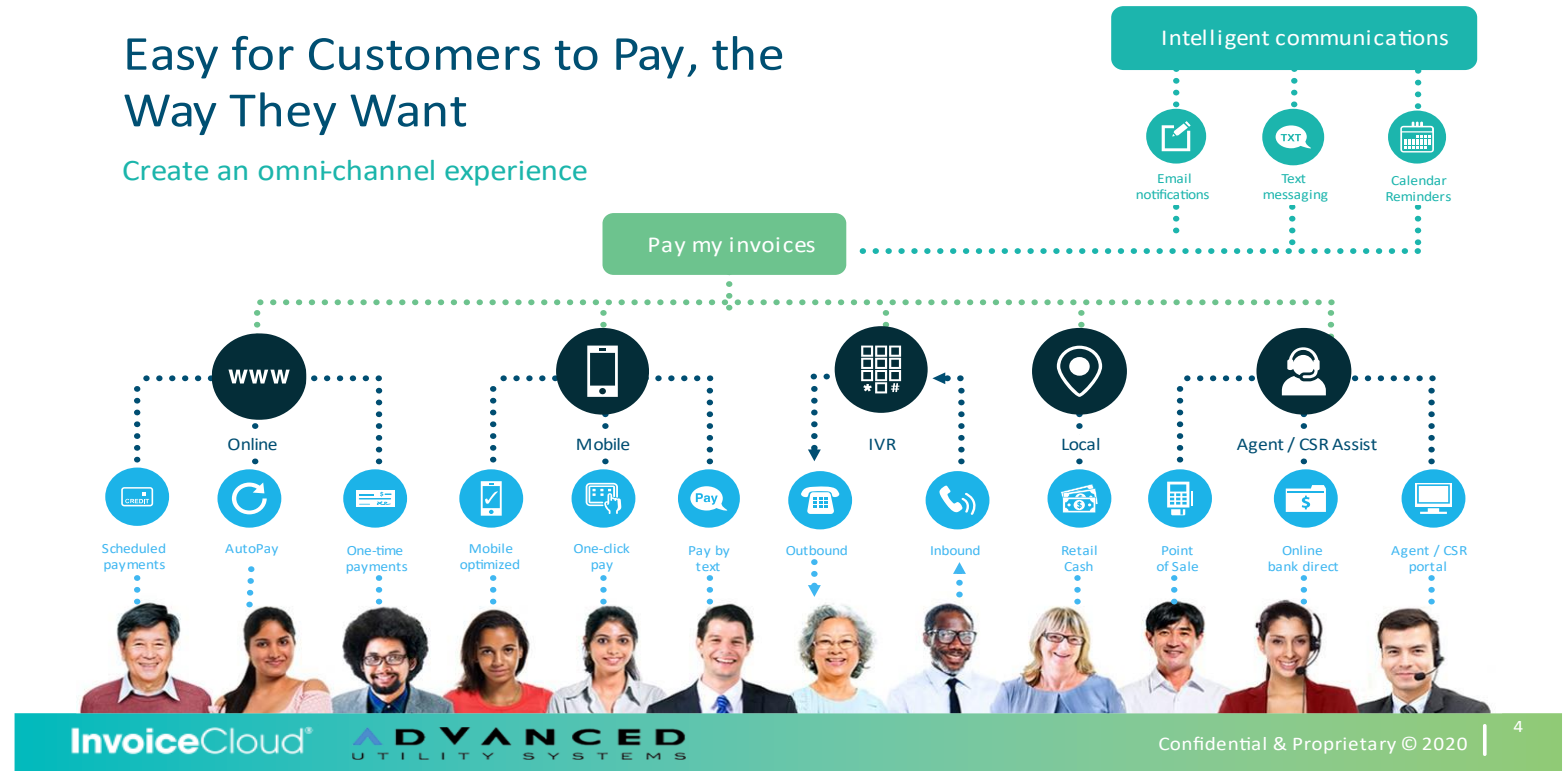
# FY'22 Actions

## B. Software Upgrades

- Citizen Vue
- Work Order
- Invoice Cloud

Easy for Customers to Pay, the Way They Want

Create an omni-channel experience



# FY'22 Actions

## C. Workgroup and Public Outreach

- a) Sustainability
- b) Safety
- c) Diversity/Inclusion
- d) Employee Engagement
- e) Succession Planning
- f) Technical Committee
- g) Tours





# FY'23 Look Ahead

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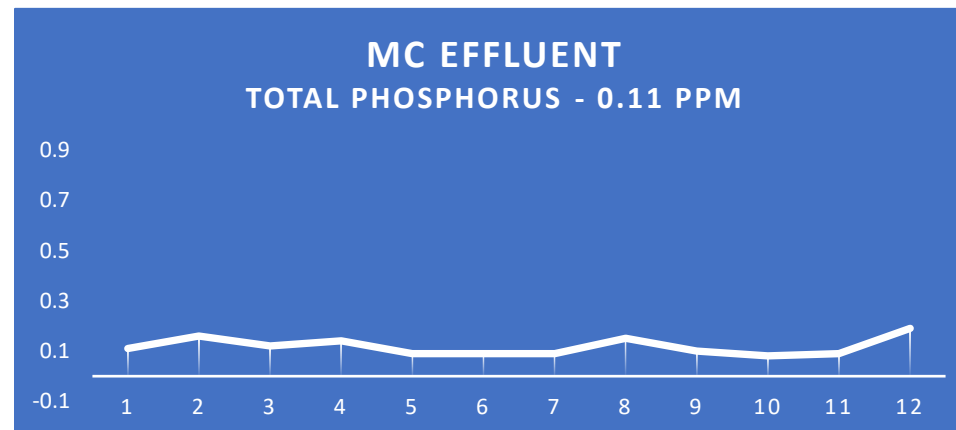
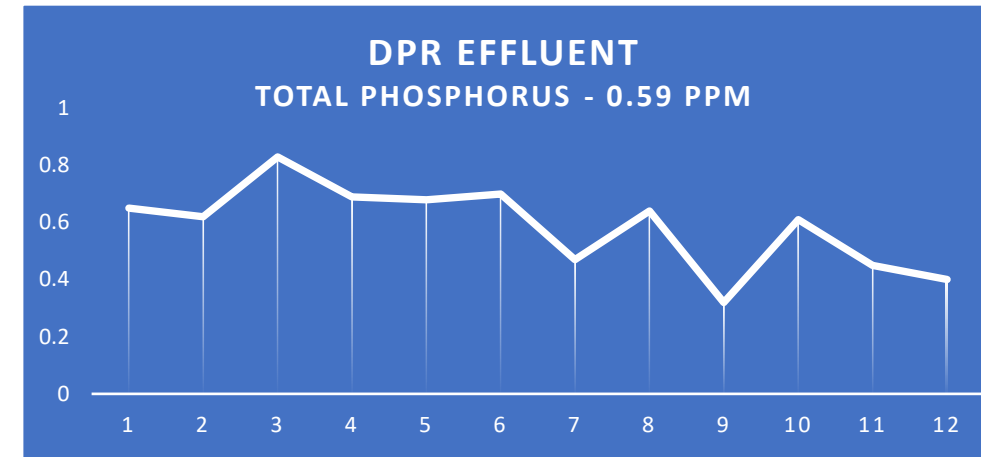
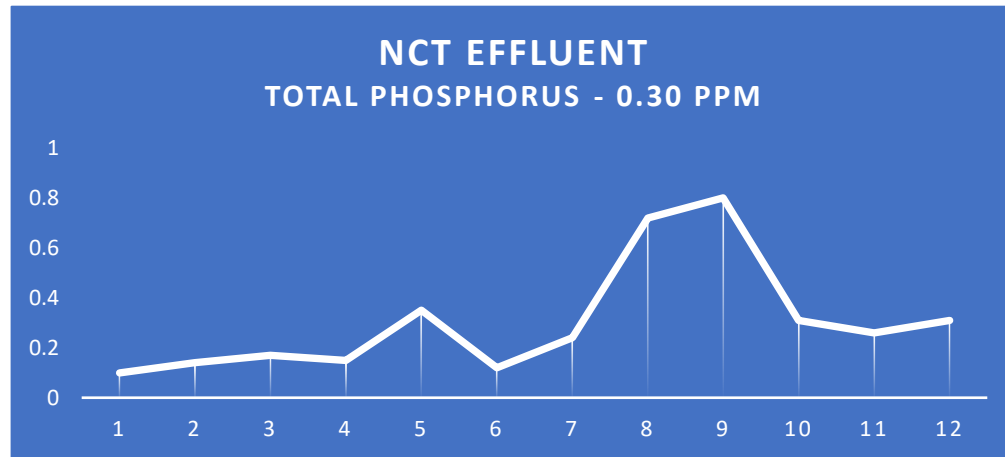
1. Capital Projects
2. ARPA Projects
3. Billing Software Implementation
4. Rate Study/Rate Ordinance
5. Community Grant Funding
6. Intergovernmental Agreements
  - a) Green Oaks
  - b) Lake Villa
  - c) Hawthorn Woods
  - d) Deer Park

# IEPA/USEPA Regulations

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1. PFAs (perfluoroalkyl substances)
  - a. Drinking Water (proposed limit – 4ppt)
  - b. Sanitary Sewer/Biosolids
2. NARP (Nutrient Assessment Reduction Plan)
3. Lead Service Line Inventory
4. Pre-treatment Program
5. Consumer Confidence Report

# 2022 Plant Performance – Nutrients





**Questions?**