



MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY

Water Use Program

March 15, 2022



Great Lakes Compact

- Compact among the 8 Great Lakes basin states
- Parallel agreement with Ontario & Quebec
- Prohibits diversions outside the Great Lakes basin
- Prevent adverse resource impacts
- Each member state & province must regulate its internal water resources
- Surface water and groundwater are interconnected parts of a single hydrologic cycle
- Part 327 is Michigan's statute to administer the compact



Water Use Program Purpose

- Register large quantity withdrawals
- Collect annual water use data
- Determinations on potential impacts to water resources as a result of proposed withdrawals
- Processing water withdrawal permits

Water Use Requirements

All water users having a capacity to withdraw water quantities averaging 100,000 gallons per day (70 gallons/ minute) must report on an annual basis to:

- Agricultural user – to EGLE or MDARD; no fee if reporting to MDARD.
<https://milogin.Michigan.Gov/>.
- All other industries – to EGLE with an associated fee of \$200.
<Http://www.Egle.State.Mi.Us/wur/>.

Water Withdrawal Assessment Tool

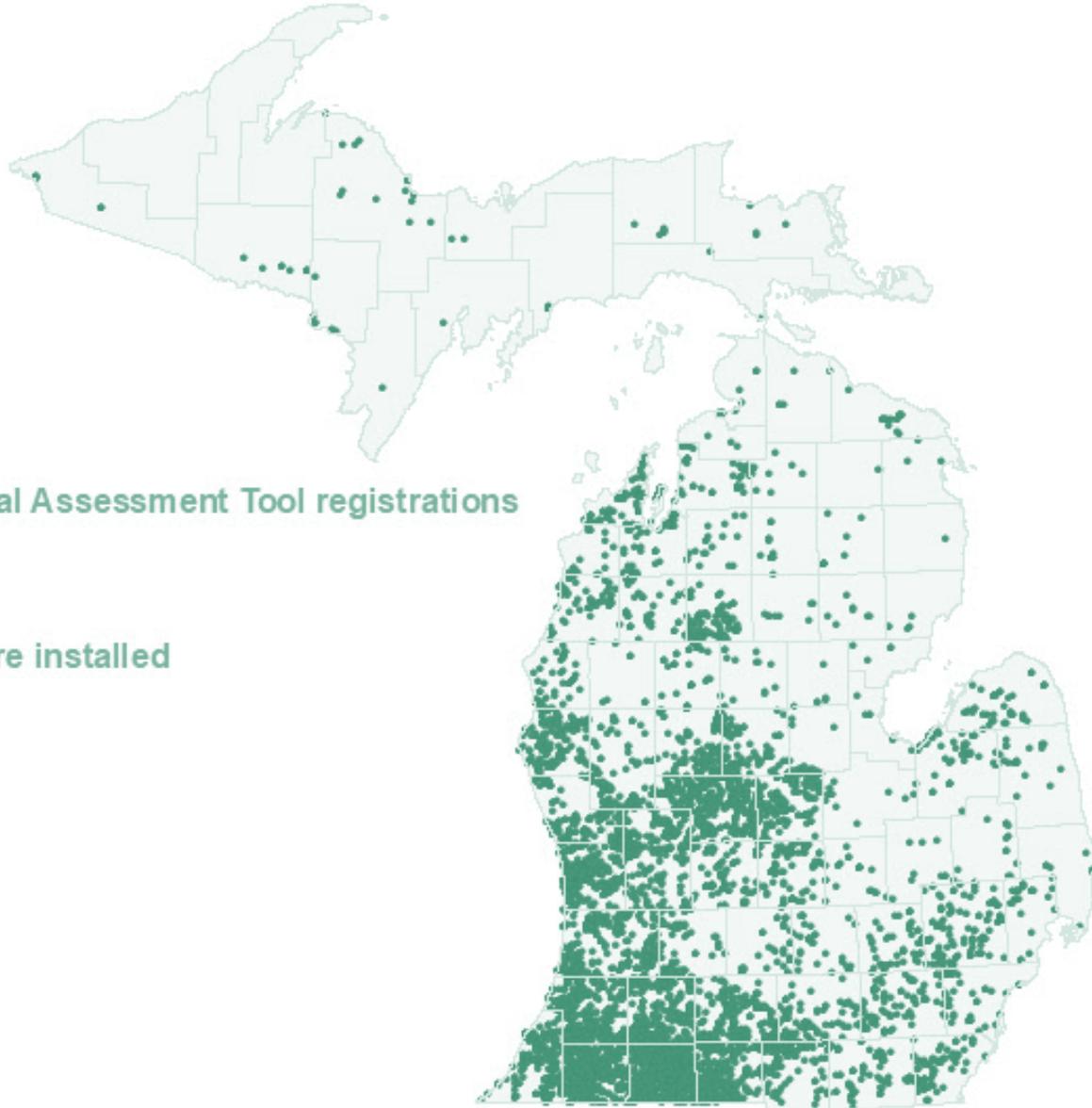
- Tool to measure potential adverse resource impacts (ARIs) on local streams and rivers
- Baseline capacity withdrawals reported before 4/1/2009 are not included
- Provides opportunities for site-specific reviews (SSR) and alternative analysis



6,736 Water Withdrawal Assessment Tool registrations

7/9/2009 - 3/10/2022

Not all registrations are installed

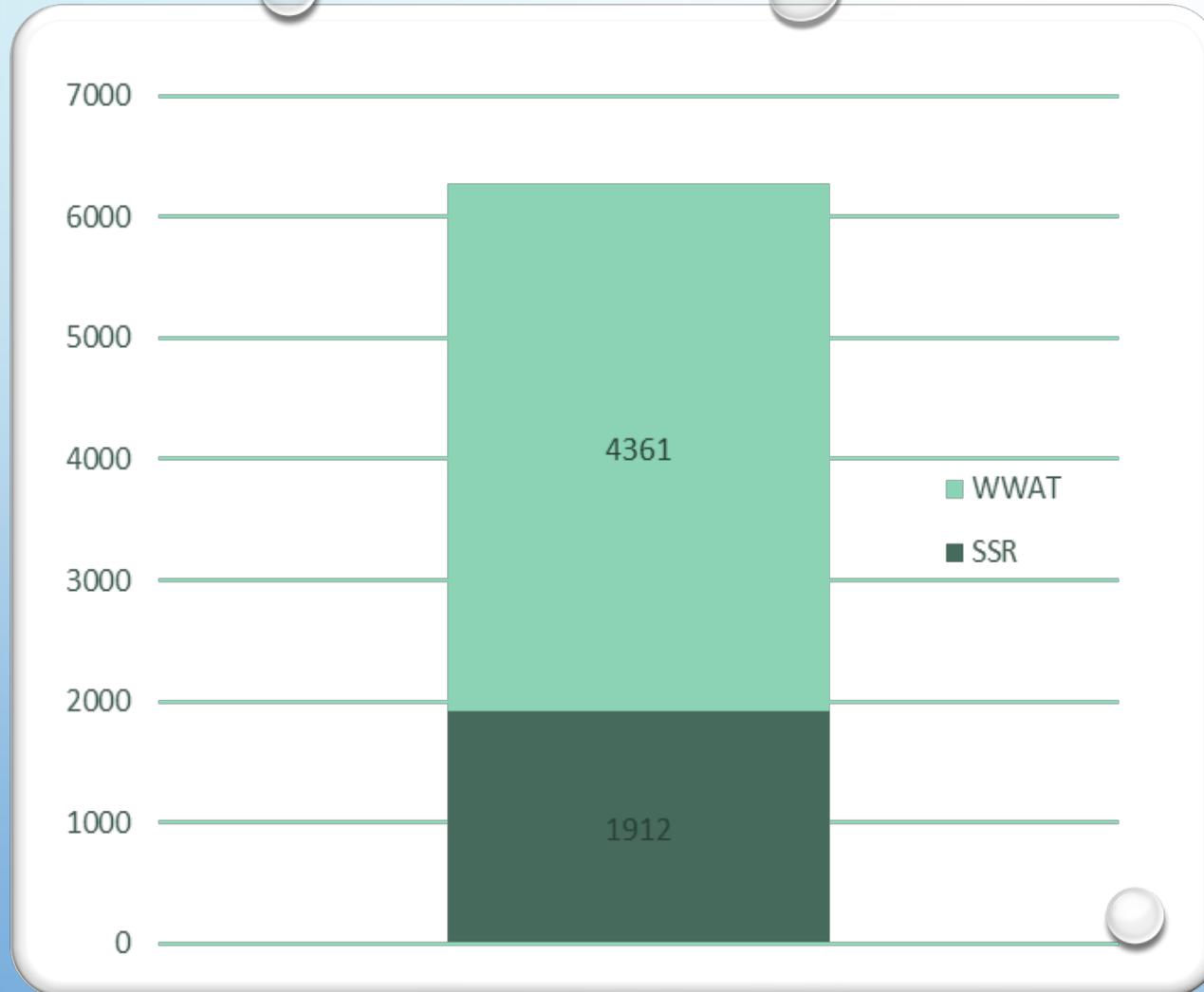


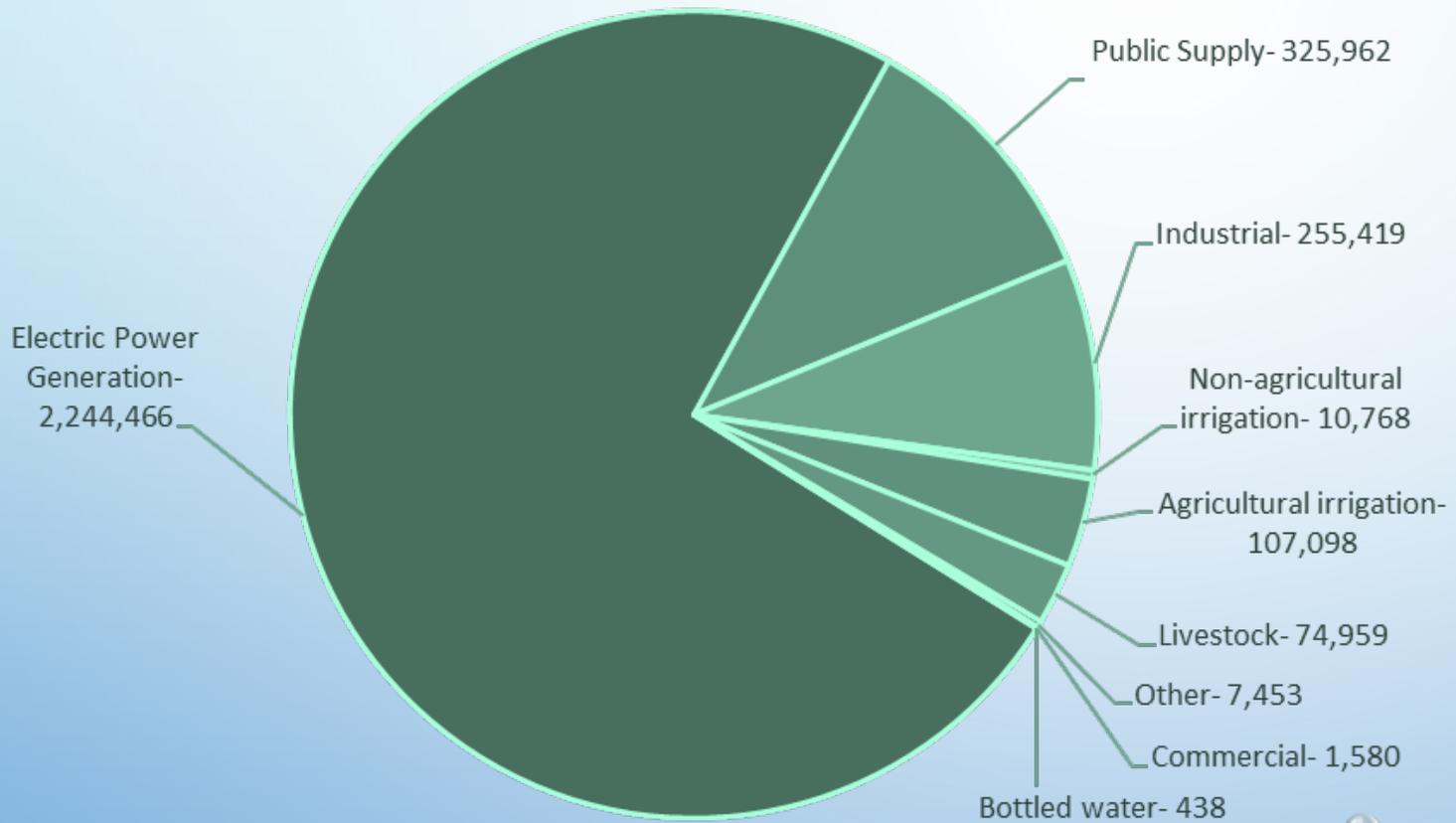
EGLE Water Use Program

Water Withdrawal Registrations

Large Quantity Withdrawals

Authorized Since
July 9, 2009

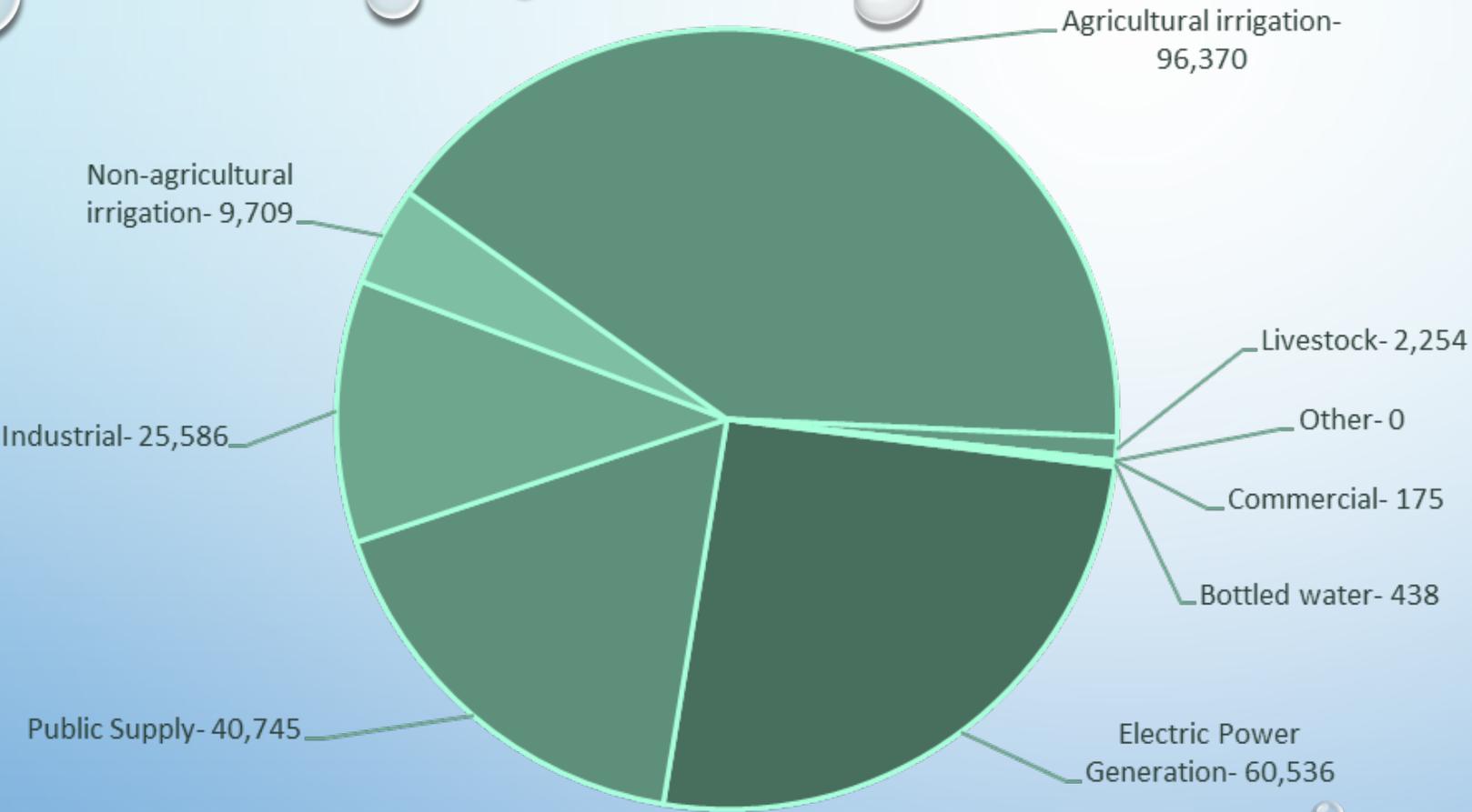




Total Water Use In 2020

*Pumping volumes = millions of gallons

Consumptive Water Use In 2020



*Pumping volumes = millions of gallons

Water Use Advisory Council

External Stakeholder Group

Advises Departments and Legislature on Water Use Program

Part 328 codified WUAC in 2018

Provides Biennial reports to legislature

First biennial report presented in December 2020

MICHIGAN WATER USE
ADVISORY COUNCIL
2020 REPORT

DECEMBER 2020



Water Use Advisory Council Report

Recommendations in areas including:

- Water conservation
- Improve current operations & data collection
- New operations to improve data collection & modeling
- Additional activities to improve data collection & modeling
- New & ongoing activities not requiring additional funding



THANK YOU