

NWPA Support

IDNR Grant through June 2020

CMAP will provide support to the NWPA to help build the organization's capacity and promote sustainable water use policy and practices.

Tasks for FY19:

- Newsletter
- Member engagement and TAC support
- Water conservation outreach (with IISG)
- Scope development for scenario planning process
- Organizational materials and website

Organizational materials

Main projects:

- Update organization's one-pager
- Limited update of the 2014-2016 strategic plan
 - Update water use assessment (pages 8-9)
 - Recognize accomplishments to date
 - Identify priority strategies for the coming year

Limited update of the NWPA Strategic Plan

Update strategic plan by recognizing achievements and focus on priority projects.

Today

- Review water use assessment
- Revisit mission, vision, and goals
- Step through the objectives and strategies and reflect on progress
- Prioritize objectives for future focus

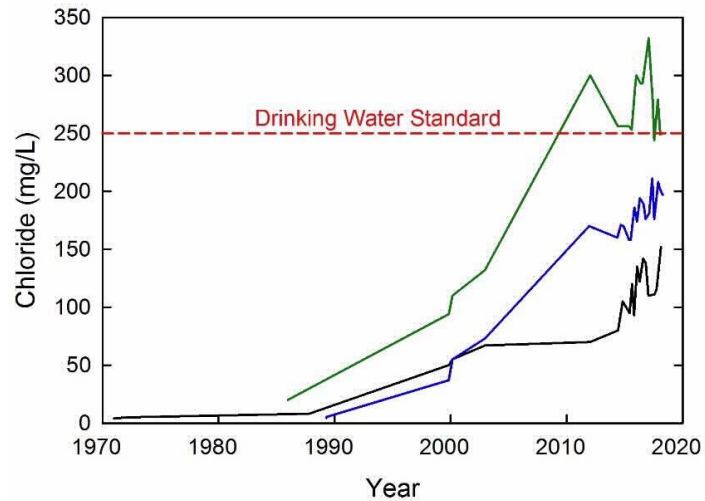
Strategic Plan for the NWPA

Water use assessment

- Current Use
- Quick summary of supply sources and challenges
- Projected use

Sources and challenges

- Desaturation (sandstone)
- Contamination (shallow)



Current demand for sandstone dependent users

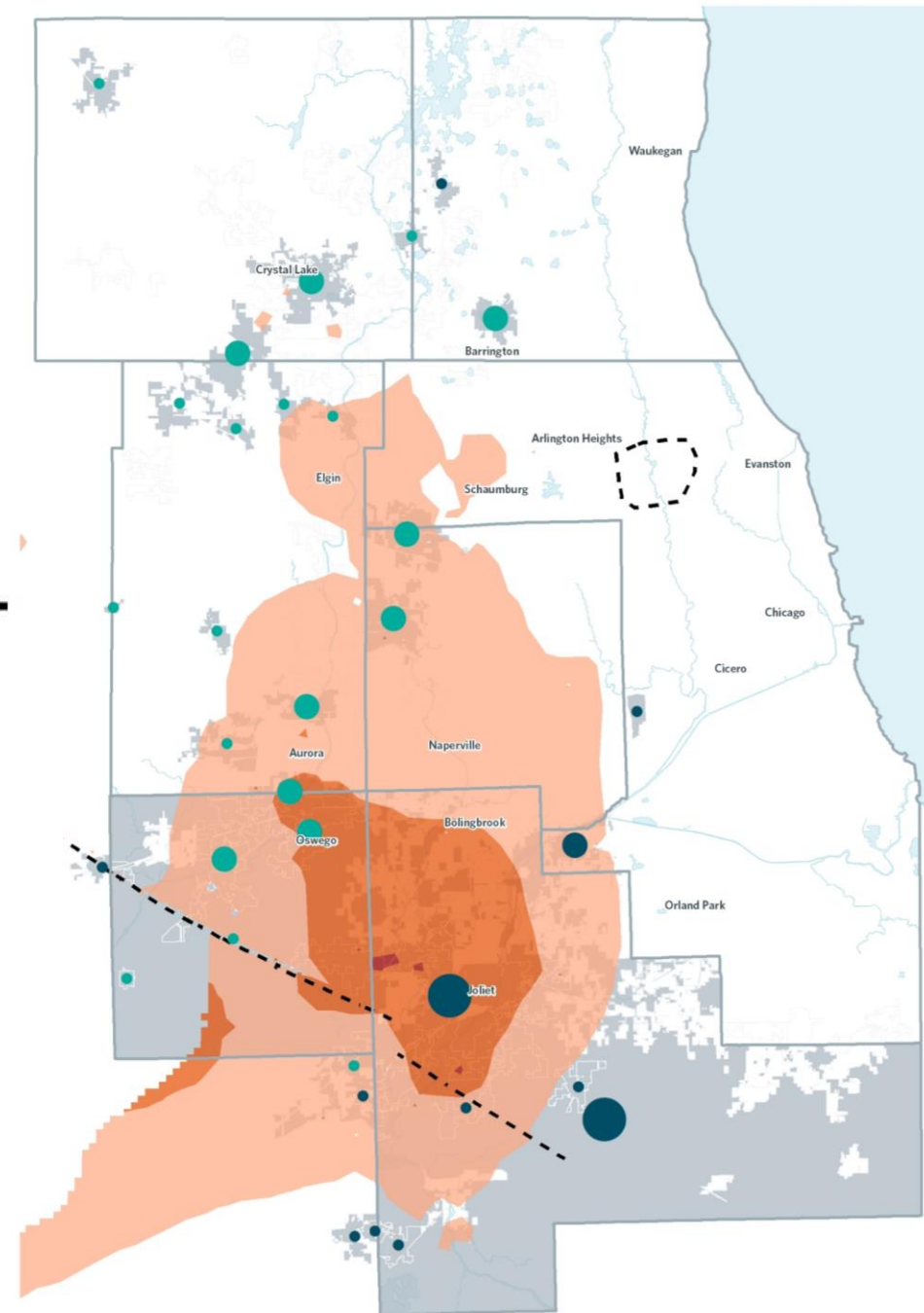
Demand (MGD)



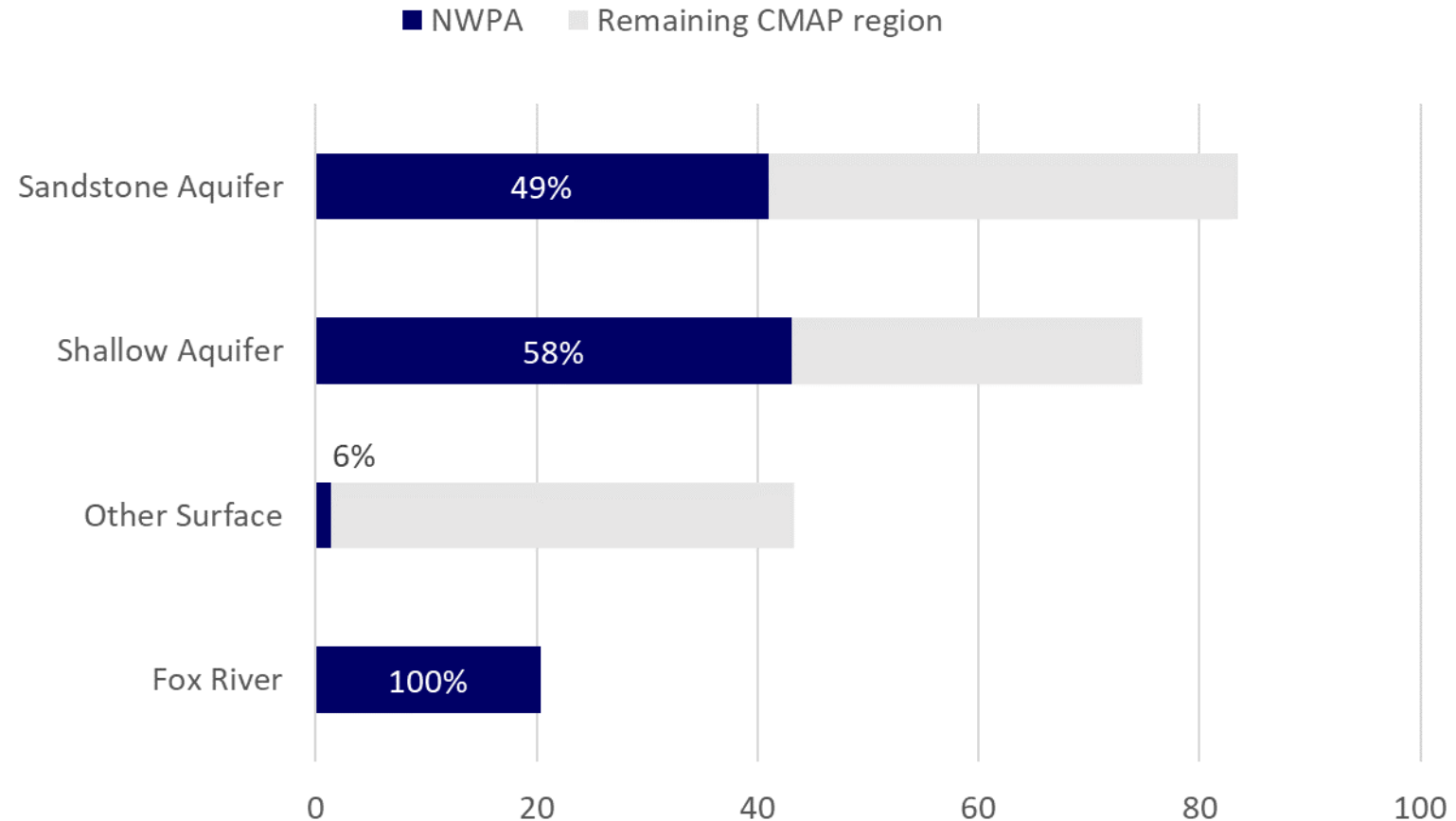
- Sandstone dependent communities
- NWPA communities
- Non-NWPA communities

Risk area of desaturation

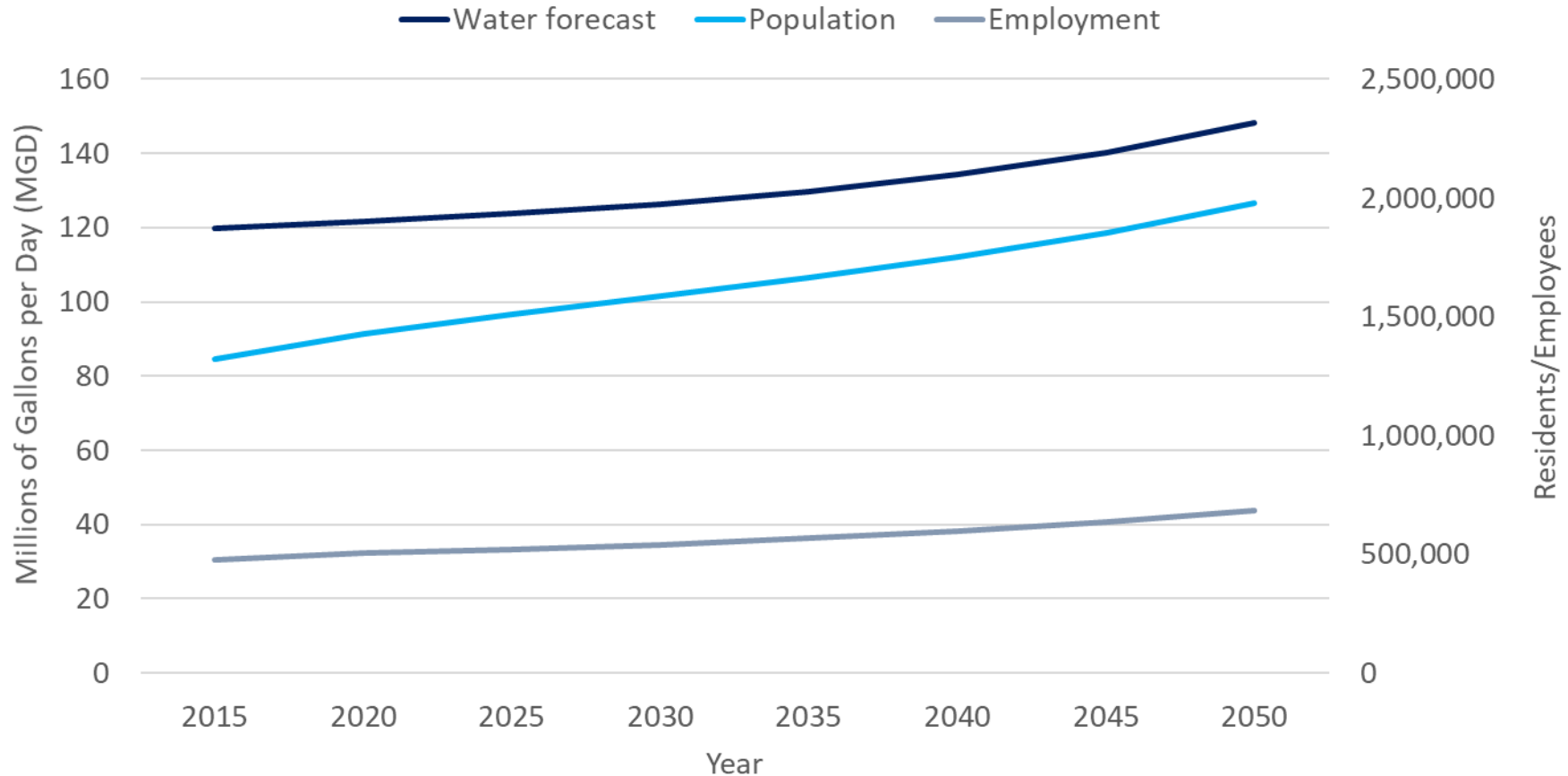
- Complete desaturation
- Partial desaturation (non-pumping)
- Partial desaturation (pumping)
- Bedrock Fault



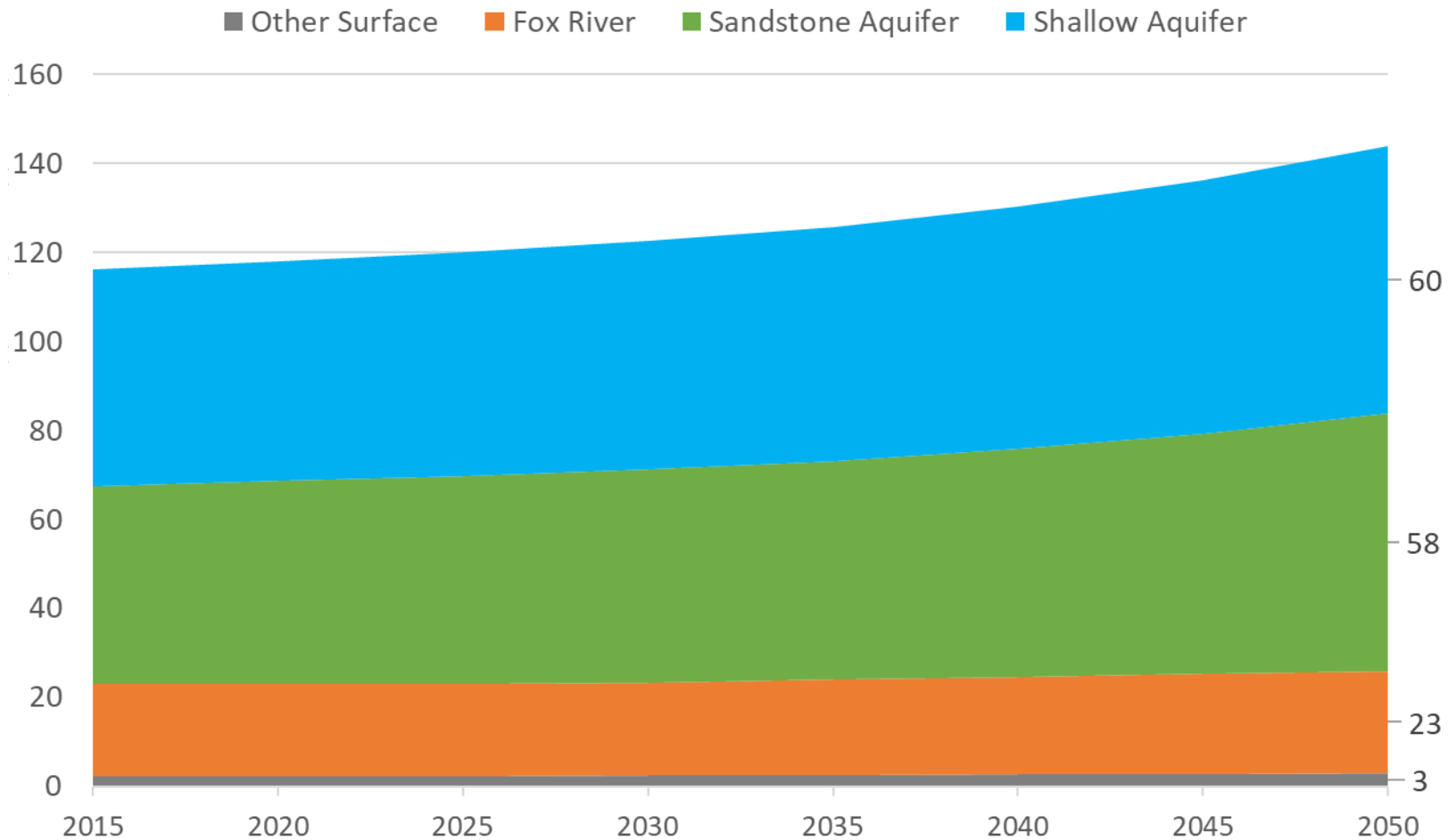
Average withdrawals for NWPA by source, 2003-13



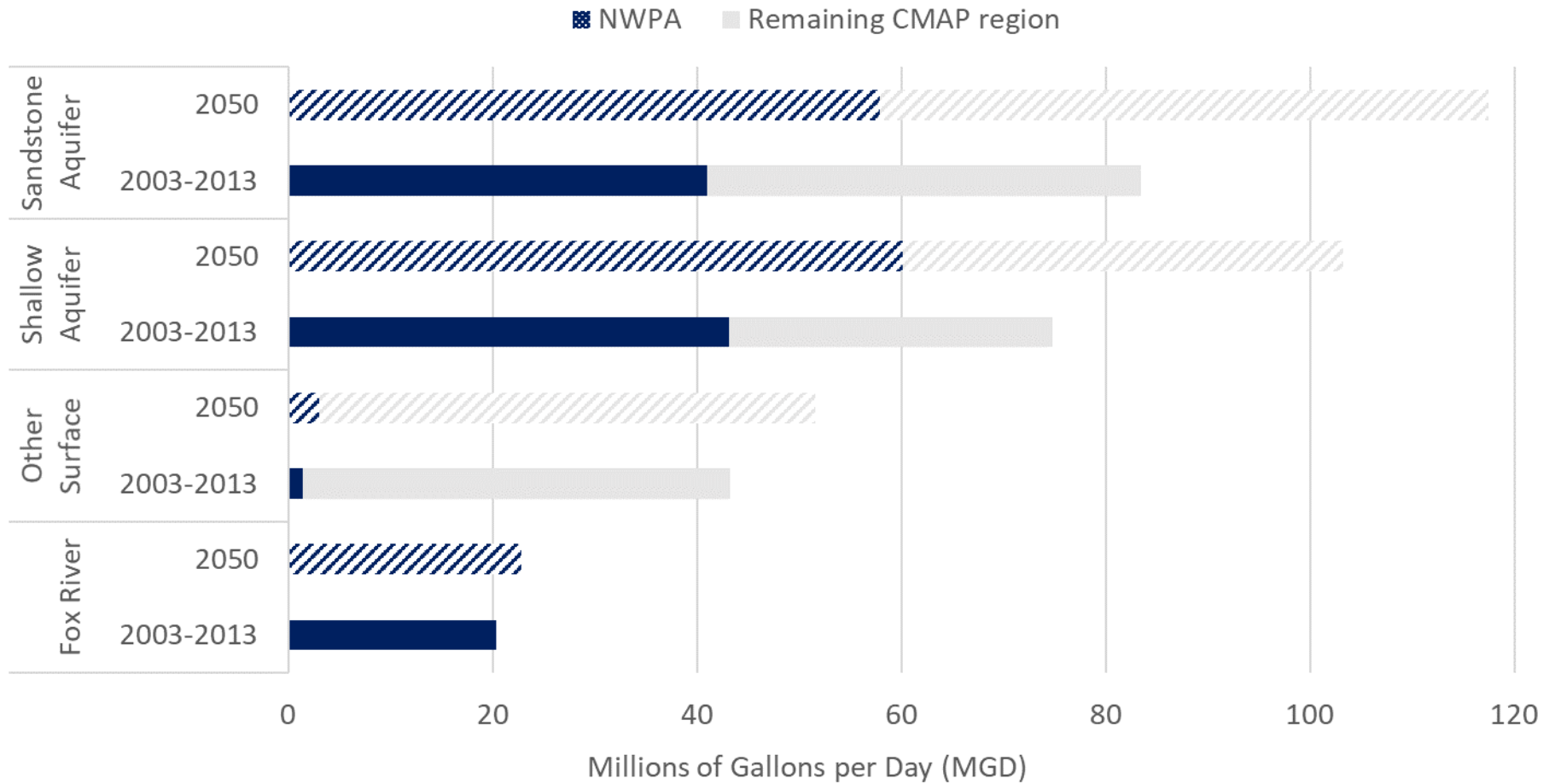
NWPA water demand forecast, 2050



Projected use for NWPA by source, 2050



Projected use for NWPA by source, 2050



Strategic Plan for the NWPA

Water use assessment

- Are there questions on the information we presented?
- Is there anything else you'd like to see?
- How would you like to see this information shared?

Strategic Plan for the NWPA

Mission Statement

The NWPA, formed by intergovernmental agreement, seeks to collaboratively plan for and steward our shared river and groundwater resources to ensure a sustainable water supply for the people, economy, environment, and future generations.

Strategic Plan for the NWPA

Vision Statement

The NWPA area will have dependable supplies of water for generations to come.

Strategic Plan for the NWPA

Goals:

- A. Build the organization capacity to achieve mission
- B. Provide education and outreach to raise awareness of the value of water
- C. Develop sustainable water use policies and practices that are widely adopted and protective of water supplies

Strategic Plan for the NWPA

Goal A: Build the organization capacity to achieve mission.

- Develop an annual stream of revenue
 - Reevaluate membership dues
 - Pursue grant opportunities
- Develop a work plan/budget consistent with the strategic plan
 - Determine staff and resource needs
- Create a structure for communication with and engagement of members
 - Produce an annual report
 - Prepare and deliver news, activity updates, and action requests

Strategic Plan for the NWPA

Goal B: Provide education and outreach to raise awareness of the value of water.

- Promote a water use conservation and efficiency ethic
 - Encourage participation in neverwaste.org and WaterSense
 - Encourage adoption of Water 2050 recommendations and use of existing resources and programs
- Incorporate ongoing educational opportunities for elected officials and school-age children
 - Collaborate with partners to apply existing educational programs
 - Approach local college to develop short film
 - Build on high-profile events (fix-a-leak, world water day)
 - Copy City of Batavia's annual utilities field trip
 - Prepare briefs for newly elected officials
 - Develop and make presentations to elected officials.

Strategic Plan for the NWPA

Goal C: Develop sustainable water use policies and practices that are widely adopted and protective of water supplies.

- Define sustainable water use by each water source
- Track monthly and annual water use among members
- Improve the scientific understanding of water supplies in terms of quantity and quality
- Make recommendations to protect groundwater and surface water quality
- Achieve consistency among member regarding an outdoor lawn-watering ordinance
- Organize to develop drought-preparedness recommendations

Strategic Plan for the NWPA

Goal C: Develop sustainable water use policies and practices that are widely adopted and protective of water supplies.

- Define sustainable water use by each water source
 - Develop sustainable yield definition accepted by organization
 - Consider ISWS guidance on optimal new well locations to avoid interference.
- Track monthly and annual water use among members
 - Support monthly data reporting by members
 - Poll IWIP for annual data
 - Develop framework for understanding private well use

Strategic Plan for the NWPA

Goal C: Develop sustainable water use policies and practices that are widely adopted and protective of water supplies.

- Improve the scientific understanding of water supplies in terms of quantity and quality
 - Determine data needs in concert with ISWS
 - Develop ideal network of monitoring wells
- Make recommendations to protect groundwater and surface water quality
 - Promote sensible salting
 - Engage other organizations and watershed planning efforts

Strategic Plan for the NWPA

Goal C: Develop sustainable water use policies and practices that are widely adopted and protective of water supplies.

- Achieve consistency among member regarding an outdoor lawn-watering ordinance
 - Provide guidance and assistance with ordinance implementation, development, and promotion
- Organize to develop drought-preparedness recommendations
 - Work with ISWS to develop best estimate of available supply
 - Assess demand per NWPA member by customer class for monthly, seasonal, and annual use.
 - Forecast population and growth projections
 - Estimate annual volume of nonrevenue water.

Keypad polling

Prioritize objectives for future focus

Using the Polling Device



- Firmly press the button (1-10) that corresponds to your answer choice
- Votes are anonymous
- If you make a mistake or change your mind, vote again, as long as the polling is open
- Your last vote is the vote that counts

Keypad polling (rank order)

Goal A: Build the organization capacity to achieve mission.

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Keypad polling (rank order)

Goal B: Provide education and outreach to raise awareness of the value of water.

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Keypad polling (rank order)

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Keypad polling (rank order)

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Next Steps

- Present prioritization to TAC
- Focus on reviewing and streamlining strategies for priority goals and objectives
- Report back to EC on progress