



# Water supply planning integration

July 11, 2019



ENVIRONMENT

# Integrated approach to water resources

# Project scope

IDNR grant through June 2020


Integrate water supply planning through LTA planning process

Promote sustainable development and water use

# Timeline

1. Literature review and interviews
2. Develop approach / draft guidelines  
← — *July 2019* — →
3. Pilot on comprehensive plans
4. Revise approach / guidance

# Literature review

- Guides (nationwide)
  - In-region plans
  - Out-of-region plans
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- Water supply and land use planning more common in the West
  - Integration result of state requirements
  - Guides lacked info on methodology/analysis to achieve integration

# Approach overview

Plan phases	Points of integration
Project Orientation	<ul style="list-style-type: none"><li>• Scope statement</li><li>• Steering committee</li><li>• Community profile</li></ul>
Existing Conditions	<ul style="list-style-type: none"><li>• Source water assessment (quality, quantity, infrastructure)</li><li>• Review of policy and non-regulatory water conservation/demand management measures</li><li>• Stakeholder interviews</li></ul>
Community Outreach	<ul style="list-style-type: none"><li>• Public meetings</li></ul>
Visioning & Plan Development	<ul style="list-style-type: none"><li>• Development of future land use</li><li>• Vision and goal setting</li><li>• Recommendations</li></ul>
Approval & Adoption	

# Existing conditions phase

## Identify source

- Lake Michigan
- Shallow aquifers
- Sandstone aquifers
- Rivers



## Assess

- Water Quality
- Water Quantity
- Water Infrastructure



## Review

- Regulatory measures
- Non-regulatory measures



## Evaluate

- Local demand forecast



## Inform

- Future Land Use
- Non-land use Recommendations

# Next steps

Finalize LTA plan selection

Pilot on comprehensive plans

Report out and receive feedback

Revise approach and internal guide for staff





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