

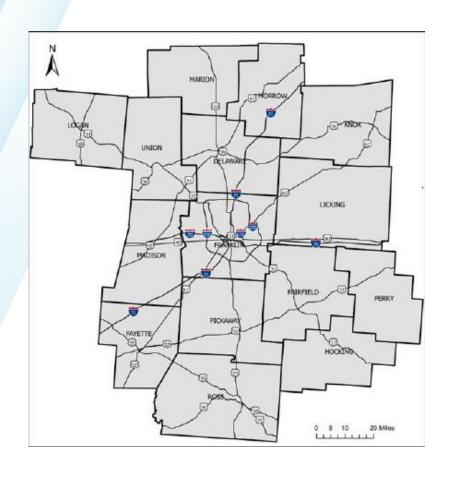
Central Ohio 15 County Water Study

Consultant Proposals Results of Agency Review





Request for Proposals - Scope



Comprehensive Water Study

- Current availability
- Current demand
- Projected future demand 2030, 2040, & 2050
- Gap analysis
- Regionalization recommendations
- Water reuse opportunities
- Siting locations for new mega water users

Request for Proposals - Scope



Identify zones of economic opportunity based on water resource feasibility and availability.



Provide a "Pathway to Readiness" for communities with capacity limitations.



Maintain water quality in our rivers and streams throughout the state in the long term.



Identify groundwater recharge needs and recommendations.



Provide information regarding reservoir re-evaluation and management (ODNR, USACE controlled and others).

Request for Proposal - Timeline

- **December 15, 2023** RFP posted on OWDA website
- **January 8, 2024** Prebid meeting
- January 26, 2024 Proposals due
- **February 12, 2024** Agency partners scoring/selection
- **March 1, 2024** Proposed contract execution date

Review Team

Ohio EPA

- <u>Director's Office</u> Tiffani Kavalec
- DSW Mark Johnson & Walter Ariss
- <u>DEFA</u> Jon Bernstein & Steve Malone
- <u>DDAGW</u> Amy Klei & Mike Proffitt

Ohio DNR

- Water Resources Brad Lodge
- Geological Survey Craig Nelson

OWDA

<u>Executive Director</u> – Ken Heigel

Scoring Criteria

PROJECT TEAM/CREDENTIALS:

Expertise of entire team assembled and clearly defined roles and responsibilities

UNDERSTANDING & APPROACH:

Meets all scope requirements and has a clear, organized strategy

EXPERIENCE:

Clear demonstration of water projects that parallel the goals of this water study

DATA MANAGEMENT:

Has a compelling plan for data collection, management and modeling

SCHEDULE:

Our confidence of them meeting deadlines based on resources and deliverable projections, including expediting Licking County findings

LOCAL KNOWLEDGE:

Understanding of local issues and constraints

- \$1,111,000
- RANK 4th = 156 points
- Headquartered in MN



- \$4,513,866
- RANK 3rd = 348.5 points
- PM in Cincinnati









- \$2,290,730
- RANK 2nd = 369 points
- PM in Columbus









- \$2,997,700
- RANK 1st = 396.5 points
- PM in Columbus















BURGESS & NIPLE



Overview of Hazen's Subconsultant Roles

Jacobs

Scenario planning and integrated modeling expertise, economic development planning

Eagon and Associates

Ground water availability, local modeling, ground water sensitivities and contamination

Coldwater

Ecosystem and recreational services, environmental demands, water quality limits

Burgess & Niple

Scenario development, infrastructure needs

Geosyntec

Regulatory constraints and permitting, TMDLs

Neighborhood Strategies

Stakeholder engagement, stakeholder identification, local development plans

Midwest Biodiversity Institute

Technical advisor - Central Ohio stream health knowledge

EMH&T

Technical advisor - Long-term economic planning

Lisa Jeffrey

Technical advisor - Evaluation of safe yield and water quality considerations

Project Team Organization

















MORPO

Planning Community Support, Consulting

Project Principal Brot Casery*

Project Manager Kathleen Smith J**

Deputy Project Manager Ched Roby #*1



Technical Leadership Team Manager

Stophanie lehii 🥕

Technical Advisors Jamie Gellner* Gregory Gaton Troy Walker Lists Juffrey 6 Michael Keller * 9 Chris Yocker*7

TECHNICAL LEADERSHIP TEAM

Water Resources Modeling John Clayton #

Groundwater Mike Gibeon #+4 Demand Projections Jack Kiefer#

Economics Tim Devine.

Integrated Planning Brindha Dhanasakaran A

QUANTIFICATION OF SUPPLY AVAILABILITY

Groundwater Modeling

Steve Champa * 4 Martin Handrie Stophanie Bustos

Surface Water Modeling

John Clayton Dustin West # *

Water Quality Evaluation (Reservoirs, Stream/Stormwater)

Elizabeth Crafton Kriston Risch # 2 Both Toot-Lavy* 5

INFRASTRUCTURE CAPACITY ASSESSMENT

Asset Management and GIS

Kiley Grilliot * Jamie Docker* Kris Popovioh #2 Sam Squillento !

Drinking Water Treatment, Storage and Distribution

Phil MacClollan * Mike Ciangiordano #/

Wastewater Collection. Treatment, and Reuse

Scott Alpert Scott Phipps* Molario Garnez #1

Stormwater Management

Erio Ondonack * 2 Guillermo Regulado

SCENARIO SCORECARD AND TRIGGER-BASED PLANNING

Multi-Oritoria Decision Analysis Kinston Planks

Sarah Dominiok Mark Anderson / Dynamic Planning and Visualization

Dilip Kumar Duetin West *

ECONOMIC DEVELOPMENT SCENARIO PLANNING

Determination of Economic

Development Scenarios Dennis Jackson Joseph Denyluk # * / Bob Weinschrott (Industrial) Jim Lenner * 8

Demand Projections -Drinking Water, Wastewater

Lina Krontz Dave Bracciano

Demand Projections -Reclaimed Water

Scott Albert Phil MacClotten* Emma van Dommelon*

Demand Projections - Stormwater

Erio Ondonack * 2 Chris Reighle *

STAKEHOLDER ENGAGEMENT

Stakeholder Identification and Engagement

Jim Lenner * ii Leti Soleun /

Communications Support Joff Noslo

Magain Drummay Flay Larseor *

NEEDS ASSESSMENT

Supply and Infrastructure Needs

Phil MacClollan * Erio Ondersk # 2 Dempsey Ballou f Michael Arete *4

Source Water Protection Needs

Emma van Dommoken* Elizabeth Crafton Kriston Risch * 2

TMDL and Permitting Updates

Kriston Risch* 2 Adrianna Namura * 5

Cost Estimates, Funding Analysis, and Regionalization Opportunities

Jamie Decker* Fernando Aranda BetsyEhler*2

LEGEND Subconsultants

 Indicates Ohio office location

f Jacobse 2 Burgoon & Niple Coldwater

4 Eagon & Associates

5 Georgeton © Line Joffroy 7 Michwood Biodiversity Institute

Neighborhood Stratagore

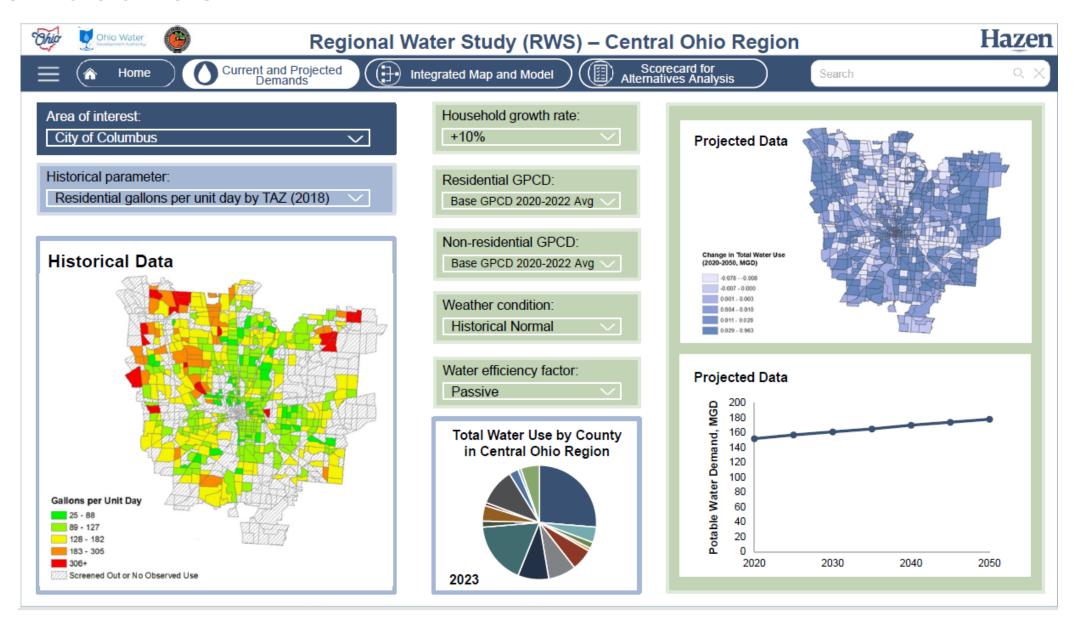


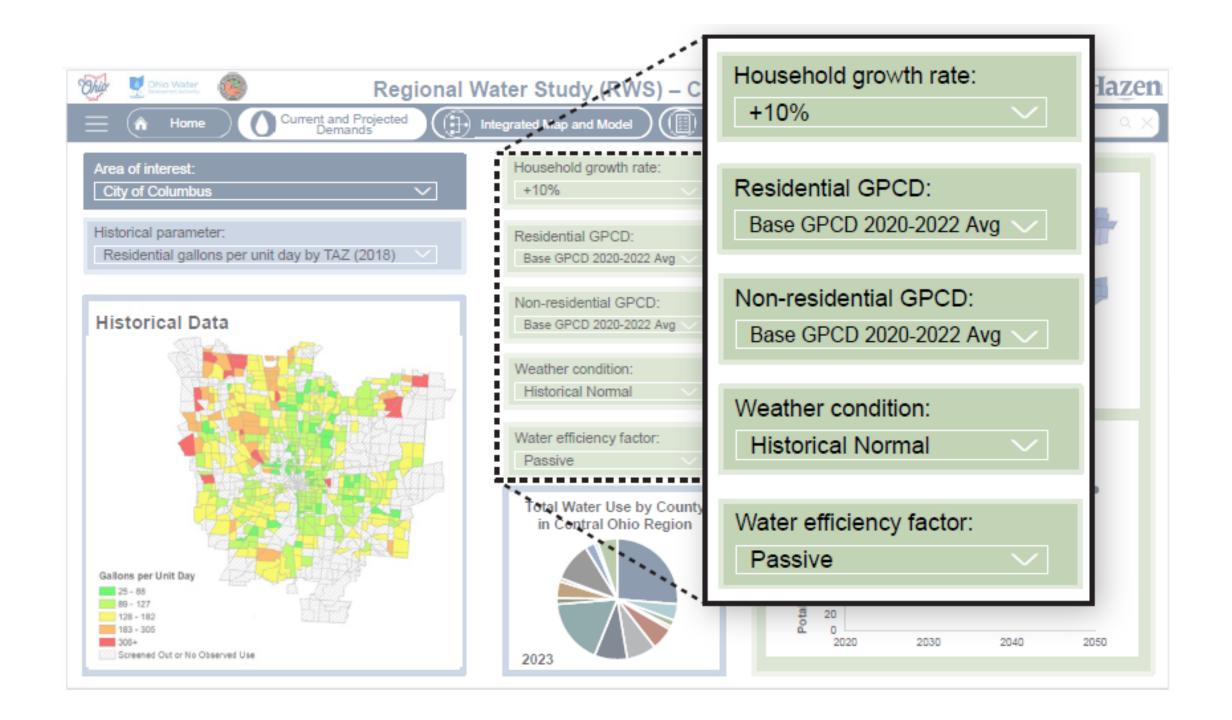
Environmental Protection Agency

Hazen & team

- Assembled the most diverse, qualified team
- Very detailed schedule to meet the December deadline
 - CDM Smith's schedule was not as detailed and offered an alternative schedule through summer of 2025
- Outputs proposed to be on visually displayed dashboards
 - No other team provided detailed explanations beyond GIS maps or reports as deliverables
 - Hand over models that can continue to be used for future scenario changes

Dashboards





Overview of All Four Proposals

Proposal	Cost	Score	Rank	
Proposal 1	\$1,111,000	156	4	Minneapolis
Proposal 2	\$4,513,866	348.5	3	Cincinnati
Proposal 3	\$2,290,730	369	2	Columbus
Proposal 4	\$2,997,700	396.5	1	Columbus