

Regional Water Supply Framework

CCRPC Regional Planning Initiative

*A presentation to
the Mahomet Aquifer Consortium*

Building the Future...Together!



Champaign County Regional Planning Commission

- *100 different programs and services*
- *Annual budget of \$23 million*
- *Approximately 211 employees*
- *Three divisions*
 - *Head Start*
 - *Community Services*
 - *Planning and Community Development*

Planning and Community Development Division

- Business and Community Loans
- Champaign Urbana Urbanized Area Transportation Study (MPO)
- Regional Services
- Planning Services
- Information Services

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Regional Water Supply Framework

“Engage in regional water planning around development and industry that have impacts on the water supply and surrounding communities.”

Champaign Growing Greener, City of Champaign

“Collaborate with Mahomet Aquifer stakeholders in coordinated messaging and policies.”

Sustainable Water Management Plan, City of Urbana

“Water supplies should be planned and managed with enhanced regional cooperation and coordination to address shared responsibilities and the interests of future generations. Enhanced regional cooperation and coordination should be achieved through voluntary efforts in the spirit of self-governance.”

“... The bull’s eye of concern is in Champaign County...”

A Plan to Improve the Planning and Management of Water Supplies in East-Central Illinois, Mahomet Aquifer Consortium

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Regional Water Supply Framework

Expected Results

1. A shared understanding of current science, policies and plans.
2. Shared goals and objectives including sustainable water supply.
3. A menu of actions and strategies that can be implemented locally.
4. Evaluation tools created and available.
5. A coordinated water supply management framework.

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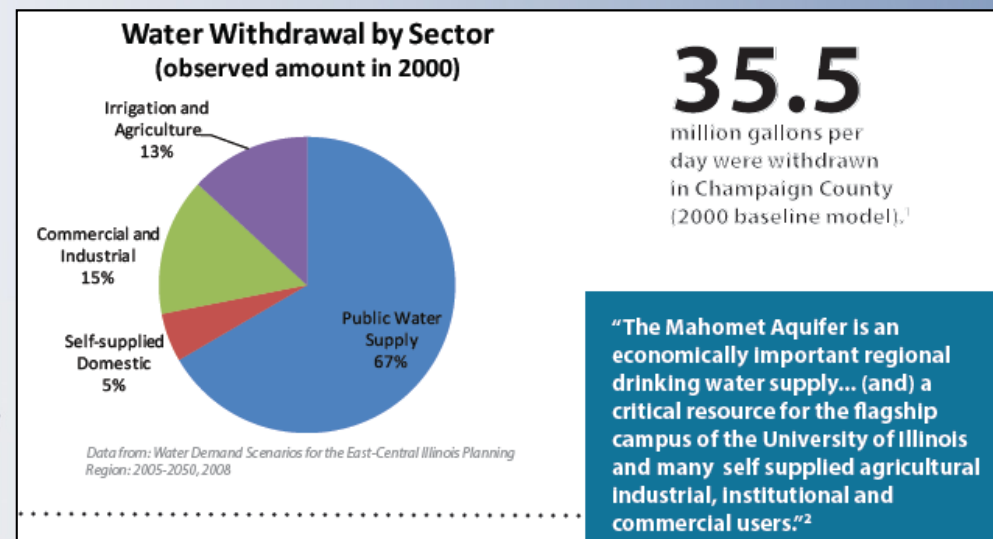
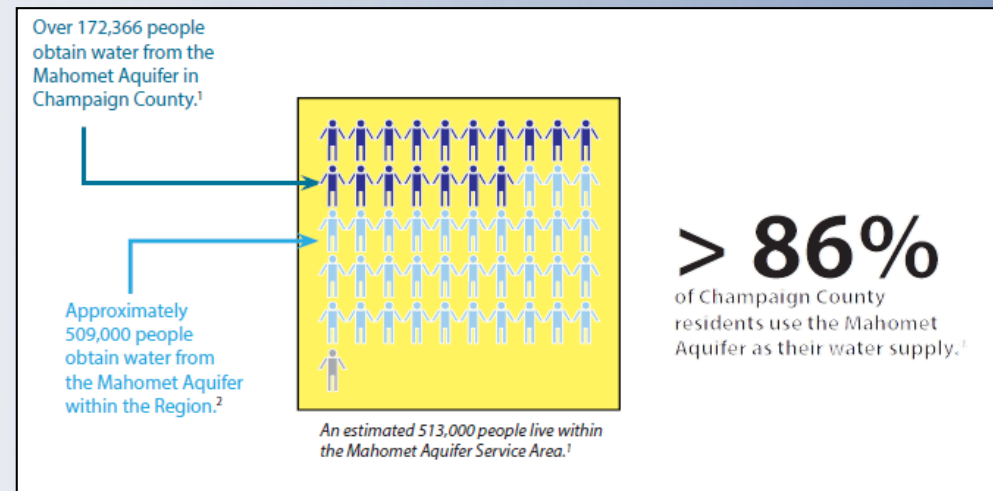
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Information specific to Champaign County



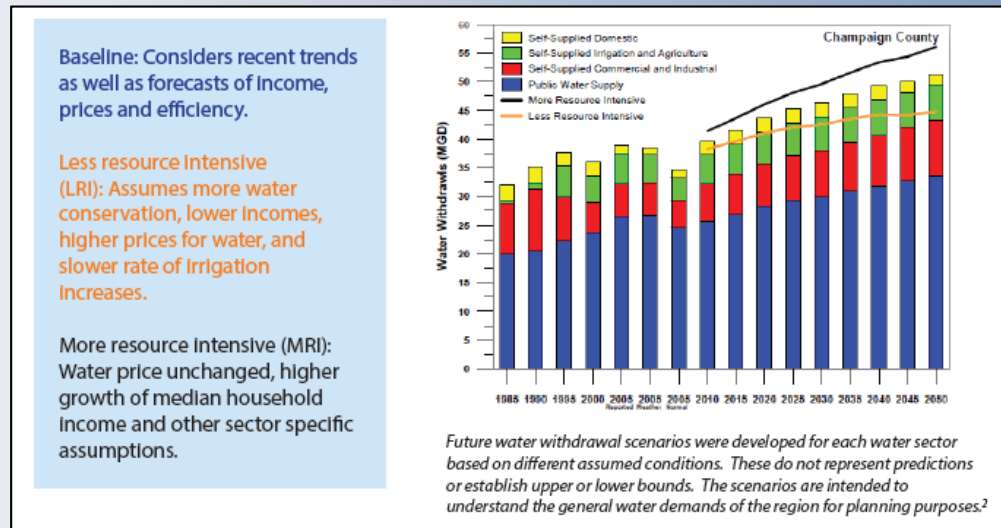
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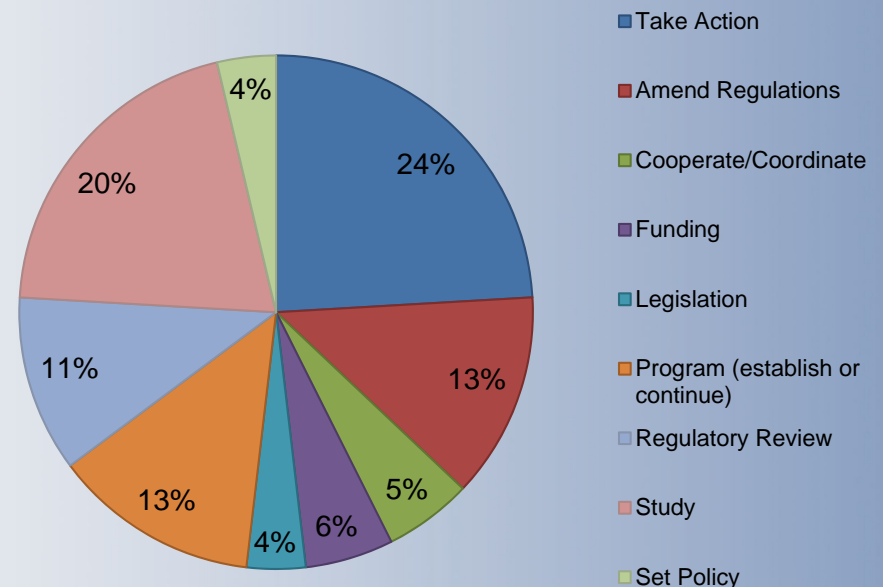
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Strategies by Type



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Actions

- Prevent PCB's and hazardous waste from being stored above the Mahomet Aquifer. (Champaign)
- Require connection to municipal utilities when available (Mahomet)
- Track potable water use (Urbana)
- Retrofit city's faucets (Urbana)
- Upgrade city computer-server room cooling system. (Urbana)
- Reduce water used for city landscape irrigation. (Urbana)
- Retrofit city's toilets. (Urbana)
- Pursue sole source aquifer status. (Urbana)
- Legal action to protect the Mahomet Aquifer. (Urbana)
- Report TMDL testing. (Urbana)

Studies

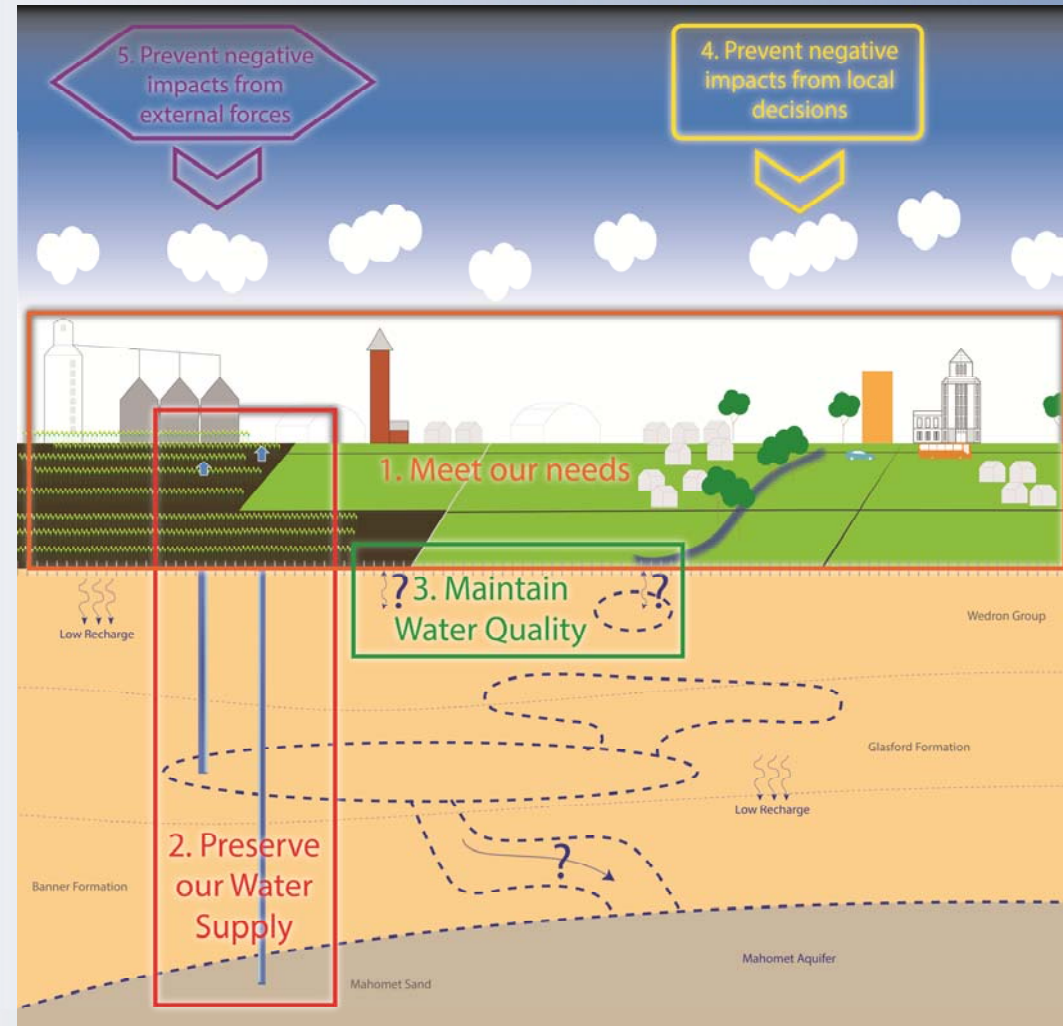
- Sustainable maximum yield. (Our Future. Here.)
- Impacts from development and industry. (Champaign)
- Contain and filter runoff. (Champaign)
- Identify recharge areas. (Champaign)
- Use of treated waste water (Champaign)
- Potential for contamination from on-site sewage disposal systems (Mahomet)
- Impact from industrial development (Rantoul)
- Use of treated waste water (Urbana)
- Brownfields Cleanup (Urbana)
- Household Hazardous Waste Collection (Urbana)
- Surface water protection (Urbana)
- Stormwater management practices (Urbana)
- Pharmaceutical waste collection (Urbana)

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- Residential plumbing retrofit program
 - Water waste prohibition
 - Metering
 - Public education programs
 - Conservation design
 - Water conservation certificate program
 - Education in schools
 - Drought planning
 - Groundwater protection ordinance
 - Road salt training and monitoring
 - Integrate water supply planning with long term land use planning

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- Water use by sector
 - Development impacts on water supply
 - Well head level data
 - Per capita cost

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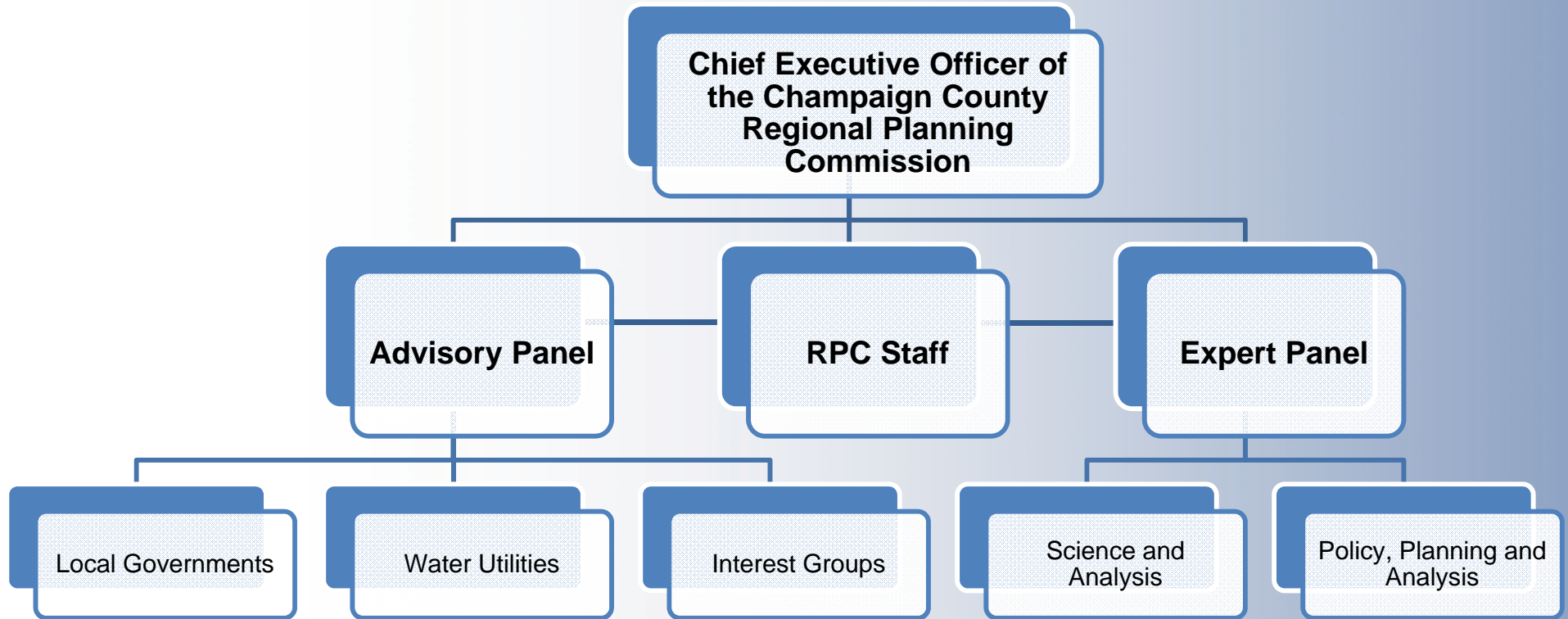
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Regional Water Supply Framework

Establish advisory panel (CCRPC)



Define project scope (advisory panel)



Draft goal and objectives (CCRPC)



Summarize current understandings (expert panel)



Detail selected problems and issues (expert panel)



Develop evaluation tools related to selected problems and issues (expert panel)



Identify actions and strategies (advisory panel)



Evaluate actions and strategies (expert panel)



Finalize framework and implement

Regional Water Supply Framework

Thank you!

Comments & Questions

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