



# Lake County Illinois

## Legislation Text

File #: 08-0481, Version: 1

Joint Resolution authorizing the purchasing agent to enter into an agreement for professional services with the Illinois State Geological Survey to complete detailed 3-D digital geologic mapping for the Lake County Water Supply Planning project, and approve a line item transfers in the amount of \$160,000 from the general operating expense accounts to the Water Supply Planning account.

- The Lake County Board selected Water Supply Planning as one of their top four Strategic Initiatives for 2008, and in response to the Board's direction, a multi-departmental committee, the Integrated Water Resources Group (IWRG), was formed to begin work on water supply planning in Lake County.
- The IWRG hosted two Lake County Water Forums out of which two main water initiative recommendations were formed including research leading water conservation measures and further study the geology and water supply of Lake County.
- The IWRG researched information about water resources from many agencies and developed a report that outlined the State of Lake County Water Supply including further definition of what we know and don't know about Lake County Water Supply.
- This lead to the IWRG working with the Illinois State Geologic Survey (ISGS), who has been partnering with the United States Geologic Survey (USGS), to complete the mapping of Lake County geology through the collection of high-quality data from outcrops, drilling and geophysics with the integration of state of the art computerized mapping software and methods, to create detailed 3-D geologic maps of the glacial deposits and the bedrock surface.
- A two phase concept proposal for the completion of the 3-D digital geologic mapping is presented along with a proposal to repurpose FY2008 monies to fund the first phase of the proposal from the Illinois State Geological Survey.
- The resolution authorizes the purchasing agent to negotiate and execute an agreement to contract with the Illinois State Geological Survey for professional services to complete detailed geological mapping in the amount not to exceed \$210,000.
- Funding for this project will be \$50,000 from the FY2008 Health Department Budget along with authorization for line item transfers in the amount of \$160,000 from the general operating expense account listed below to the Water Supply Planning account 101-1102065-71150-000-000-000-10110:

Water Supply Project	\$70,000	101-1102040-71150-000-000-000
Public Works	\$50,000	610-4887799-71150-000-000-000
IT/GIS	\$20,000	101-1300050-71730-000-000-000
Planning	\$10,000	101-2800010-71150-000-000-000
SMC	\$10,000	212-4201010-71150-000-000-000

**WHEREAS**, the Lake County Board selected Water Supply Planning as one of their top four Strategic Initiatives for 2008; and

**WHEREAS**, in response to the Board's direction a multi-agency team, the Integrated Water Resources Group (IWRG), was formed to begin work on water supply planning in Lake County; and

**WHEREAS**, the committee hosted two Lake County Water Forums and developed a report

outlining what is know and unknown about the State of Lake County Water Supply; and

**WHEREAS**, the survey results and input from the two Lake County Water Supply Forums both indicated that Lake County water supply stakeholders seek leadership from the County in two areas including researching and coordinating leading practices in water conservation and further study county geology and water supply; and

**WHEREAS**, the IWRG team has identified FY2008 monies to be repurposed to fund the first phase of the proposal from the Illinois State Geologic Survey; and

**WHEREAS**, through the Central Great Lakes Geologic Mapping Coalition and the STATEMAP component of the National Cooperative Geologic Mapping Program, the Illinois State Geologic Survey (ISGS) has been partnering with the United States Geologic Survey (USGS) for more than 16 years to conduct a pilot project to map Lake County geology; and

**WHEREAS**, this mapping effort has focused on the collection of high-quality data from outcrops, drilling and geophysics with the integration of state of the art computerized mapping software and methods, to create detailed 3-D geologic maps of the glacial deposits and the bedrock surface; and

**WHEREAS**, the federal and state funding for this project has slowed significantly limiting the progress on the completion of these maps and in response the IWRG has worked with the ISGS to develop a draft two phase concept proposal for the completion of the 3-D digital geologic mapping, phase one of the ISGS proposal will speed the completion of the detailed geologic mapping for Lake County as well as the necessary data points to use for a future water supply modeling project; and

**WHEREAS**, the proposed project will further the Lake County Water Supply Planning initiative and will acquire the data and information necessary for local government officials and other water stakeholders to make more informed decisions about water supply planning in Lake County.

**NOW, THEREFORE, BE IT RESOLVED**, by this County Board of Lake County, Illinois, that the purchasing agent be authorized to negotiate and execute an agreement to contract with the Illinois State Geological Survey for professional services to complete detailed geological mapping in the amount not to exceed \$210,000 and

**BE IT FURTHER RESOLVED** that \$50,000 in funding from the Public Health Department along with line item transfers be authorized in the amount of \$160,000 from the general operating expense account listed below to the Water Supply Planning account  
101-1102065-71150-000-000-10110:

Water Supply Project	\$70,000	101-1102040-71150-000-000-000
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**DATED**, at Waukegan, Lake County, Illinois, on this 12<sup>th</sup> day of August, A.D., 2008.

