

Water Beyond 2000

Upground Reservoir Project

Upground Reservoir Project Overview

The decision to construct upground reservoirs to meet the water supply needs of the central Ohio area was based on the recommendations of a 10-year study called the Water Beyond 2000 Feasibility Study. Below is a brief overview of the Upground Reservoir Project, which is currently in the final design phase.

Background:

- A series of three reservoirs are planned for construction on 2,500 acres of land owned by the City of Columbus in northwest Delaware County
- The reservoirs will be designed to provide the water supply required to meet the long-range needs for the communities served by the Columbus Division of Water and Del-Co Water Company
- In order to maintain responsible water use habits in the central Ohio service area, the City of Columbus plans to continue promoting on-going conservation efforts

Project Timeline:

- Preliminary Design was initiated in October 2004 and completed in May 2006. Activities included:
 - Subsurface investigations of the proposed facilities.
 - Establishment of the reservoir footprint and construction sequence for the three reservoirs.
 - Detailed site survey of the reservoir and alternative pump station sites.
 - Evaluation of alternative locations for the raw water pump station.
 - Evaluation of alternatives for the raw water transmission pipeline to connect the pumping facilities to the planned reservoirs and to convey water stored in the reservoirs to appropriate locations for release back into the Scioto River during drought conditions.

Criteria used during the alternative evaluations included: engineering criteria constraints; availability of adequate power; subsurface conditions; environmental protection; community impact during and after construction; right-of-way acquisition; construction costs; long-term operation and maintenance considerations; reliability; and recreational use opportunities integrated with security requirements.

- Public open house meetings for the project were held in July 2006, October 2006 and October 2007. Numerous stakeholders meetings were also held.
- Detailed design of initial construction projects including first reservoir (Site 2), raw water intake and pump station, and first phase of the raw water pipeline – February 2006 to December 2010

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- Advertising of Project
 - Part IA - Tree Removal – Completed
 - Part I- Reservoir Site 2 – Completed
 - Part II- Raw Water Intake and Pump Station – March 2011
 - Part III- Raw Water Pipeline, Phase 1 – April 2011
- Open house meeting prior to construction – Summer 2011
- Construction
 - Part IA - Tree Removal – Completed in June 2009
 - Part I- Reservoir Site 2 – May 2011 to October 2013
 - Part II- Raw Water Intake and Pump Station – August 2011 to April 2013
 - Part III- Raw Water Pipeline, Phase 1 – September 2011 to September 2013
- Filling of initial reservoir to begin in approximately October 2013

Note: Estimated timelines above for bidding and construction are dependent on securing all regulatory agency approvals and permits, and are subject to change.



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Please submit your comments on the project at:

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