

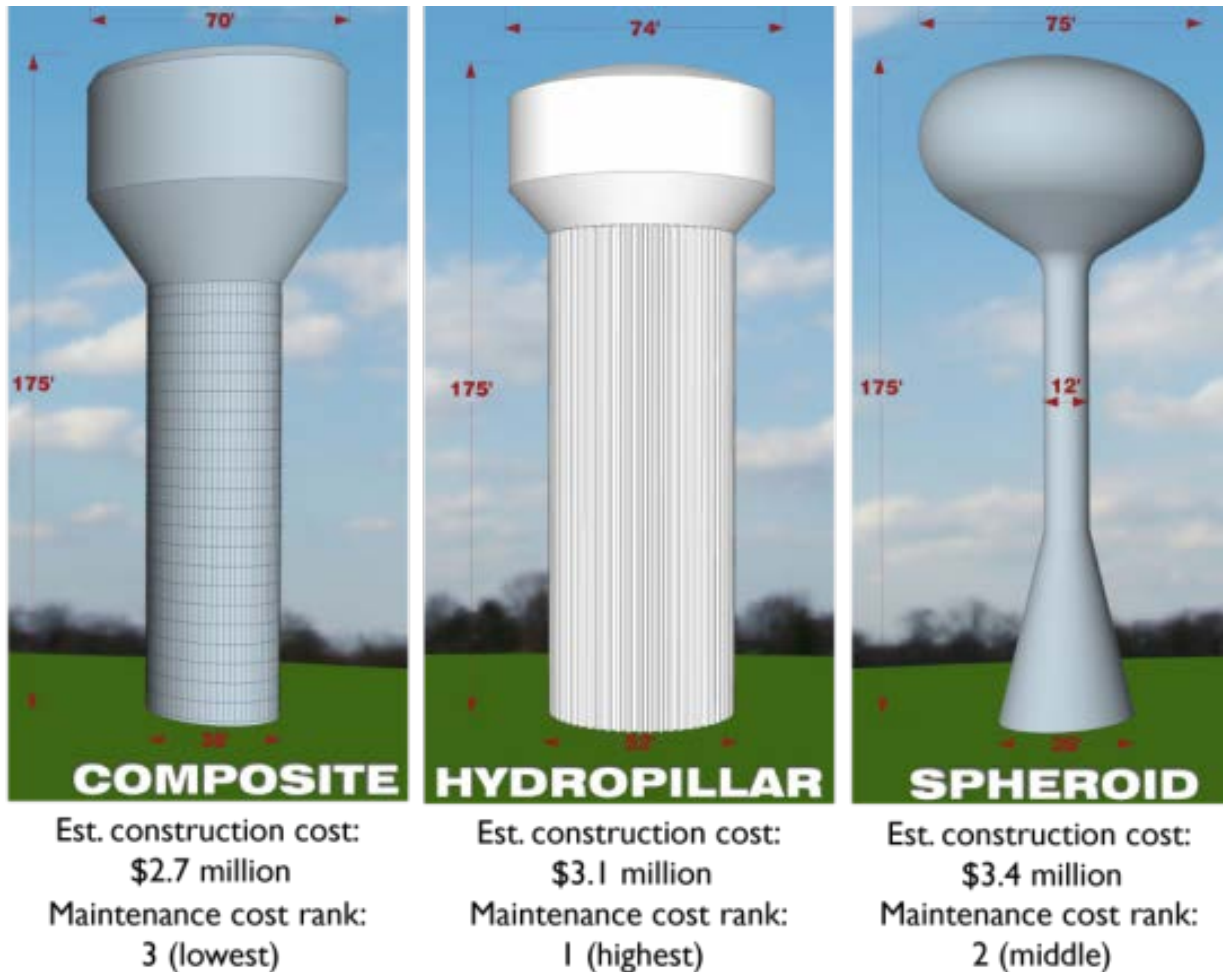
PUBLIC INFORMATION MEETING – BLACKHAWK WATER TOWER

UPDATES FROM DECEMBER MEETING:

- Madison City Council approved the request to file a petition with the Town of Middleton for the annexation of the Old Sauk / Pioneer parcel on April 19th.
- The Madison Water Utility Board approved proceeding with a water tower on the Old Sauk / Pioneer parcel at the public hearing on April 26th.
- Madison Water Utility (MWU) and Baxter & Woodman have proceeded with additional research on water tower styles and analyses.
- MWU is preparing to present a water tower /site design recommendation to the Water Utility Board at their meeting on May 24th, pending further public discussion and input.

WATER TOWER DESIGN RESEARCH:

The total project budget of \$3.6 million includes an estimated \$3.3 million for construction of the tower itself. A construction and maintenance cost analysis was recently completed studying three feasible styles for a 1-million gallon water tower: Spheroid, Hydropillar, and Composite. Results of the analysis (below) show higher-than-desired construction and maintenance costs for large spheroid and hydropillar towers. The composite style best fits into the budgeted and approved amount for this project.



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SITE PLACEMENT:

The tower will be placed on a high elevation area of the property in order to minimize its overall height. The site contains a high point ridge which presents a few potential areas for placement. All three potential areas would have the least impact on views from nearby Pope Farm Conservancy, based on feedback gathered during a meeting with their representatives. MWU plans to set the driveway entry point near Old Sauk Road's crest to allow for the clearest vision when entering and exiting the site. Potential water tower placement options below are labeled 1, 2, and 3.



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UPPER STEEL TANK PAINTING:



Madison water towers are usually painted with a one or two-tone color scheme. Two-tone schemes have been applied on some towers to help mask any mildew or rust that can be caused by condensation on the bottom of the tank.

Sky blue paint is often used to help avoid a stark contrast during daytime hours. No Madison water towers are painted with words or designs due to high costs involved (water towers are typically re-painted every 20-25 years).



CONCRETE AESTHETICS:

A composite tank also presents aesthetic opportunities on the concrete base of the tank. Because painting the base would be costly, it is recommended instead to pattern the concrete base as shown in an example to the right:



The photo on the left shows how multiple concrete patterns may also be used on the tank base.

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CURRENT PROJECT SCHEDULE:

The following schedule is the current goal for the project’s timeline. Any changes to the project scope, budget, or otherwise may require updates to the schedule.

May 2016	Public meeting and design hearing to Water Board.
August 2016	Preliminary design and concept development completed.
October 2016	Project design completed and advertised for contractor bidding.
February 2017	Project bid opening and recommendation to hire contractor.
April 2017	Start of construction.
August 2018	Project completed, water tower operational.

PROJECT CONTACTS:

Project Engineer: Pete Holmgren, P.E. City of Madison Water Utility	(608) 261-5530 pholmgren@madisonwater.org
Consulting Engineer: Jerry Groth, P.E. Baxter & Woodman, Inc.	(608) 347-1542 ggroth@baxterwoodman.com

ADDITIONAL INFORMATION:

Please visit our project website to sign up for the project email list, take a project survey, and stay updated on additional information throughout the duration of the project:

MadisonWater.org/BlackhawkTower