PUBLIC INFORMATION MEETING

BOOSTER PUMP STATION 106 RECONSTRUCTION PROJECT

MADISON WATER UTILITY

Project Engineer: Adam Wiederhoeft, P.E.: (608) 266-9121
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General/ Water Quality/ CAP Volunteering: (608) 266-4651

http://www.cityofmadison.com/water/plans/BPS106.cfm

Wednesday, October 03, 2012 – 5:30 PM
Reservoir Park
110 Glenway St, Madison, WI 53705
Location of existing Pump Station 106
Purpose of Meeting:
Introduce the project and the project team. Present preliminary project information to the public and provide an opportunity for the public to provide input and ask questions about the project. Invite interested citizens to participate in the development of the project through a Citizen’s Advisory Panel (CAP).

Project Description:
Booster Pumping Station 106 (BPS-106) is an interzone transfer pumping station located on Madison’s near-west side in the sloped embankment of Reservoir Park. The primary function of BPS-106 is to transfer water from Madison’s main pressure zone (PZ 6, central Madison) into the City’s southwest pressure zone (PZ 7, west side, southwest side). The pumping station draws water from the adjacent 6,000,000 gallon buried reservoir (hence, Reservoir Park), which stores water from wells in PZ 6, and then BPS-106 pumps the water into the higher-pressure PZ-7 areas. This pumping facility has been operating since 1926 - making it Madison Water Utility’s oldest operating facility.

The reconstruction of BPS-106 is one of Madison Water Utility’s high-priority infrastructure replacement projects (Visit the website to see the Madison Water Utility Infrastructure Management Plan). The replacement of BPS-106 is part of the Water Utility’s 2012-2014 Capital Improvement budget. The BPS-106 reconstruction project addresses both condition/deterioration problems and will increase the reliability of this critical system facility.

Project Objectives:
The scope of the replacement project is as follows:

- The existing facility contains one single-speed pump with a capacity of 1,500 gallons-per-minute (gpm). The new facility will provide additional capacity and better system redundancy with two variable-speed 2,100 gpm pumps. Additionally, the new pumps will incorporate remotely controlled pressure-reducing valves which will allow the pumps to operate in reverse (from PZ-7 into PZ-6), as needed. As possible, space will be provided to allow future accommodations such as electrical equipment expansions or chlorination equipment.
- A tank mixing system will be added to the buried reservoir. The addition of a tank mixing system improves water quality & consistency by eliminating “dead spots” (areas of water not regularly drawn into the existing system) which may contain chlorine levels that are too low or non-existent compared to other areas in the reservoir.
- The deteriorated access/vent structures located on top of the buried reservoir will be replaced.
- The rainwater drainage on the top of the buried reservoir will be improved to eliminate the occurrence of standing water.

On August 7, 2012, the City of Madison Common Council authorized the City/Madison Water Utility to execute a Professional Services agreement with Strand Associates, Inc. to provide engineering and design services for the reconstruction of BPS-106.

Site Specific Project Challenges/Issues:

- Impacts to the park
  - Trees
  - Wooden stairway to reservoir
  - Equipment/material staging during construction
- Placing/sizing of the replacement facility
- Impacts to Glenway St. traffic during construction
- Site access
FREQUENTLY ASKED QUESTIONS:

What is the project’s anticipated schedule?
- The design of the reconstruction project will begin in fall 2012 and should be completed, reviewed, and ready to bid in March or April of 2013. The bidding/preconstruction phase will likely extend to June or July of 2013. Construction of the replacement facility is anticipated to occur from summer of 2013 to spring of 2014.

Will I experience water shut-offs or service interruptions due to this project?
- You shouldn’t experience any interruptions in water service due to this project. If a service interruption would need to occur, you would receive at least 48-hours notice prior to the planned interruption.
- If you do experience a service outage and were not notified in advance by the Water Utility, please call the 24-hr operator at 608-266-4665.

How will my drinking water be affected by this project?
- BPS-106 transfers water pumped by PZ-6 wells (mainly Unit Well 14, Unit Well 6, Unit Well 27 & Unit Well 19) from the Glenway reservoir into PZ-7. The areas of PZ-7 receiving this water also receive water from Unit Well 12 located within PZ-7. With the increased pumping capacity of the new BPS 106, it is likely that customers in PZ-7 will receive a higher percentage of water from the PZ-6 wells compared to right now.
- Visit the website to see which wells are serving your address.
- Visit the website to see water quality reports for Madison Municipal Wells.
- For any questions related to water quality, please contact the Utility at 266-4654 or water@madisonwater.org.

How will the project affect Reservoir Park and/or traffic on Glenway St?
- It is likely that one lane of traffic on Glenway St in front of the project area (north of the playground/open space area) will be closed for material/equipment staging for most, if not all of the project’s construction. Use of the playground and other city-park facilities will be available during the project (except for areas on/around the buried reservoir & pump house).
- It is likely that some trees/brush on the sloped embankment located above or near the booster station on the Glenway St side of the reservoir will need to be removed during construction. Madison Water Utility, City of Madison Parks Dept., and City of Madison Forestry Dept. will be evaluating the impacts to trees as the potential designs of the replacement facility are developed.
- A playground improvement project at Reservoir Park is being proposed as an amendment to the 2013 City of Madison Capital Budget. With its approval, Madison Water Utility will be contributing funds to the Parks Dept. in support of the playground improvements.

How much do you anticipate the reconstruction project will cost?
- Madison Water Utility has budgeted $1.7 million for this project.
PUBLIC INFORMATION MEETING – OCTOBER 3, 2012

COMMENT SHEET

MADISON WATER UTILITY
BOOSTER PUMP STATION 106 RECONSTRUCTION PROJECT

We welcome your comments and feedback with respect to this project. Comments may be dropped off in the comment folder or mailed to address on the back of this page.

NAME: _____________________________________ DATE: _____________________

MAILING ADDRESS: _________________________________________________________________
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COMMENTS:
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WOULD YOU LIKE TO PARTICIPATE ON A CITIZEN ADVISORY PANEL FOR THIS PROJECT?
If yes, please include your email address and/or phone number.
Please fold, tape and mail

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MADISON WATER UTILITY
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MADISON, WI 53713

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