Key Topic: Energy Projects

Kingsley Park Project Pathways

CAMBRIDGE WATER BOARD

MEETING MINUTES

November 13, 2012

This meeting was called to order at 5:04 p.m. at 250 Fresh Pond Parkway, in Cambridge, Massachusetts. Those in attendance were:

Cambridge Water Board (CWB): Ann Roosevelt, Jim Tanner, Richard Johnson and James Burruss Cambridge City Council Member (CCCM): Minka vanBeuzekom Cambridge Water Department (CWD): Sam Corda, Fred Centanni, Tim MacDonald, Mark Gallagher and Linda Vierboom.

A. MINUTES OF OCTOBER 9, 2012 AND OCTOBER 17, 2012 MEETINGS

The minutes were reviewed with changes to be made. They will be revised and resubmitted for approval at the next meeting in December.

B. MANAGING DIRECTOR'S REPORT

Kingsley Park Project Pathways: Mr. Corda has suggested a third option for the lower pathway. The proposed path/boardwalk would skirt the edge of the existing watershed runoff/treatment area and because the path would be further away than the existing path it would keep the existing detention and bowl areas uncompromised and create a demarcation between the two. Bioengineering has been asked to review this option for feasibility and ADA compliance. The board will be updated once more is known as to its feasibility.

Ms. Roosevelt suggested that a Water Board "legal" file be compiled and kept. Mr. Corda will work with Ms. Roosevelt to initiate and complete this "file".

C. OPERATIONS

Transmission and Distribution:

None

Watershed:

None

Business:

Ms. Roosevelt requested that the Enterprise Fund balance be listed in the business section as a line item.

It was asked why the billings through October were down 7+%. The cycle amounts are down due to the sewer abatements being applied automatically within the water and sewer bill. The sewer abatement accounts are being fully automated into the water and sewer bills and the transition is expected to be fully integrated by the end of FY13.

Website Progress – Ideally this should be up to speed within the next six months. There has been staff training and a meeting will take place with staff to discuss, initiate and complete content input.

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Water Operations:

Energy Projects – The handout "Cambridge Water Treatment Plant Daily Electric Consumption in kWh per Day, Data Generated from Nstar's Monthly Readings" was passed out and summarized by Mr. MacDonald. This outline and graph illustrates energy use from 2009. The graph shows energy savings and in particular from November 2011 where a portion of the process improvements were initiated. There was an overall savings in the plant that resulted from: 1) lowering the level of Payson Park; 2) modifying the way we run the High Lift pumps; and 3) modifying the filtering sub processes. "November 13, 2012 Energy Project Status Update" was passed out and Mr. MacDonald reviewed the following projects:

New Boiler - Project has been put out to bid. The lowest cost qualified bidder will be selected. Solar Panels - There had been a holdup by the City while trying to "wrap" this project into the Martin Luther King, Jr. net-zero school building project. It was found out today that we can restart the Solar Project.

Process Related Projects- A meeting on the ozone system was held. Currently, DEP classifies our treatment plant as "other". We want to re-class the process as "conventional" and are making the case to DEP to obtain approval to reclassify the treatment plant.

Chemical System – Change to fluoride pumps.

Pumping System – Testing of the existing system to be done to support the design. Variable Frequency Drives to be put on low lift pumps. This is the largest energy saving at about 750,000 KWHs/yr.

Demand Response- A contract has been signed with Comverge. The ultimate benefit is that the Water Department will be paid over \$30,000/year to reduce demand when there is an "Electrical Grid" problem. This effort will also give the plant operations staff access to additional electrical submetering data to further improve electrical operational efficiency.

Go Green Operations – Basically there are two phases. Demand periods in the summer (June – September) from 9 am – 6pm and demand periods in the winter (October – May/non daylight) from 4 pm to 9 pm, where we shift the peak load by optimizing pump operations.

Engineering Division:

None

D. ACTION ITEMS

An application for use of the reservation by a charitable trust was received. The event would be a 5K foot race with about 500 attendees. The proposal was to have tables for organizations and a child "bouncy house". This organization is not related with the City, fundraising is not allowed on the reservation and this particular request would be detrimental to the reservation simply due to the size of the proposed event. Because of these reasons, it is recommended that the Board deny the permit. The board was in agreement.

Mr. Johnson moved and Mr. Burruss seconded the motion to deny the application for use by a charitable foundation race event.

Mr. Burruss suggested detailing the criteria to make it clear to the proponent why the use permit was denied.

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The permanent	change of	water	board	meeting	dates	from	Tuesday	's to	Wednesday	's was a	pproved
by all.	1 2000-001					***************************************					

E.	MISCELLANEOUS	CORRESPONDEN	ICE AND	ITEMS	OF IN	TEREST
No	ne					

F. NEW BUSINESS

None

Mr. Burruss moved and Mr. Johnson seconded the motion to adjourn the meeting at 6:37 pm. The vote was unanimous in favor of the motion.

G. NEXT MEETING DATES /TOPICS

Wednesday, December 12, 2012 - Approved/Election of the President/Strategic Planning Wednesday, January 9, 2013 - TBA Wednesday, February 13, 2013 - TBA Wednesday, March 13, 2013 - TBA

Minutes approved by vote of the Board.		
950		
Signed:	Date:	
Ann C. Roosevelt, President		