

**Fox River Study Group
Board of Directors Meeting
Fox Metro Water Reclamation District
9:30 AM February 22, 2018**

In attendance: board members: Kyla Jacobsen, Art Malm, Cindy Skrukrud, Bob Trueblood, Tom Muth, Mark Phipps, Rob Linke

Guests: Karen Clementi, Jack Russell, Randy Hummer, Beth Vogt, Maggie Soliz, Jeff Freeman, Christa Van't Hul, Deanna Doohaluk, Walter Voegel, Mike Ott, Carl Fischer, Matt Bardol, Bob Morris, Mike Wisinski, Scott Lavanne, Kathey Paap, Amy Underwood, Rishab Mahajan
Board members Excused: Megan Andrews, Byron Richason

- Meeting was called to order at 9:30 am.
- Everyone introduced themselves.
- Minutes of Jan. 25, 2018 meeting - passed unanimously on a motion from Bob Trueblood, seconded by Mark Phipps.
- Treasurer's Report – Tom
 - Financial report - Bob Trueblood made a motion for Tom Muth to look into options to move money to a CD. Rob Linke seconded the motion. Tom will look into options for 6 and 12 month terms and the amount will be decided at that time.
 - Bills to pay
 - Geosyntec motion to pay the Jan. 2018 invoice- \$14,226.25 passed unanimously on a motion by Bob Trueblood, seconded by Mark Phipps.
 - 2017 audit - Tom has not had an opportunity to speak with the auditors, but will before March meeting and report.
 - Invoices have been sent to communities.
- Discussion Items
 - Reminder to get in Board of Directors appointment letters and 2017 in-kind work.
 - Modeling work update- Rishab Mahajan, Geosyntec - presentation was made on what they are doing with the model review
 - Previous FRIP model showed that dam removal results in decreased DO levels so they did a modeling review (poor temp calibration, use of rating curves for hydraulic reaches, use of prescribed recreation rates.)
 - Reaeration is a function of depth and velocity, shallow depth, faster velocities result in reaeration. QUAL2K and FRIP model utilized prescribed rates.

- Used model-calculated reaeration rates, reran baseline and model scenarios with the Carpentersville dam removed. They saw the intuitive results: the DO increased with the dam gone.
 - There will be proper documentation to show that the data is valid and is open to external review as well. These results are more intuitive and along the lines of what is to be expected.
 - Other improvements to the review of the model: use Manning's equation for the free-flowing reaches, use rating curve for dam impoundment reaches, include the drop in elevation at the dam impoundment to activate the "waterfall effect".
 - Data review of the validation time periods and model calibration. They will use the periods with the most data: summer 2012 and summer 2016. The upstream input will have a big impact on the data review.
 - Reach Segmentation - algal low flow study data had useful information. The data was only collected at 6 stations. Need to extrapolate the data to the whole of the river. Going to be using the segments to assign data to the river. They will revisit the data during the data collection time period.
 - Will review the upstream boundary conditions - use Algonquin dam impoundment dam data, data from upstream of Stratton Dam, correlate limited data upstream to downstream, and look at sensitivity of model assumptions to the upstream boundary conditions.
 - Bathymetric data gaps - this will drive the hydraulics, and they have a good data set to work with. There are some data gaps south of the Yorkville Dam. Fran Klaus from Kendall County could potentially provide data. Jeff Freeman from EEI has some data as well that he can provide.
 - Summary - diagnosed the reason for the counterintuitive results for dam removal/DO scenarios, identified proposed calibration and validation time periods, proposed segmentation for the the Fox River, identified options for upstream boundary condition data gaps, processed bathymetry data for model inputs.
- Wastewater facility data request - Submittals for the mainstem facilities, but it's not complete. Beth and Cindy will work on a list of who needs to be reached.
 - Response to USEPA questions on NPDES conditions for Fox watershed major wastewater treatment facilities Last meeting we reviewed the IEPA comments of special conditions for the major dischargers on the Fox River. USEPA asked FRSG to write an explanation to special conditions 2, 7 and 8. Cindy and Beth created the draft that was sent out with the meeting announcement. Once it's finalized, Cindy will send to the USEPA and ask if they would like to meet with us. Sanjay told Cindy that Al Keller will be hired on a contract basis to work on Fox River permits. Beth asked that we include the Region 3 study on the Chesapeake

basin stating that annual limits are appropriate vs. monthly limits.

40CFR122.45(d)(2). This comment will be added to the other comments and the board was in agreement to the contents of the memo.

- Army Corps Fox River Habitat & Connectivity Study update - The Corps has determined that we could serve as a non-federal sponsor. A meeting of the Corps with the IDNR and FRSG will be scheduled.
 - Communications work update - There is a proposal from BlueStem (was distributed with meeting notice). The communications subcommittee hasn't completely finished their work on this. Bob Trueblood are a motion authorizing the committee to proceed with BlueStem on this effort on a not to exceed \$6000. The motion was seconded by Tom Muth and passed unanimously.
 - Administrative/technical assistance- proposal from Deuchler - not to exceed amount of \$13,500 for 2018. There is a lot going on with the study group and Deuchler could add some professional assistance. No expiration date. No work will be performed without direction from the board. The chair and the treasurer will be the first line of approval. Deuchler will be as efficient in the use of their time and FRSG funds. A motion was made by Bob Trueblood and seconded by Rob Linke. The motion passed unanimously.
- Next meeting dates-
 - Mar 22- 1:30 pm call in to 630-301-6861
 - April 26- 9:30 am
 - Adjourned at 11:15 am
 - Upcoming dates
 - March 5- One Earth Film Festival - Waubensee Community College, Aurora Downtown Campus [Details](#). Tom and Cindy will staff the FRSG booth.
 - March 8- Illinois Pollution Control Board Brown Bag Noon-1pm, Thompson Center, Chicago. This is being cancelled. Rescheduled details to follow.
 - March 23-Fox River Summit, Burlington WI [Details & Registration](#)

Adjourned at 11:15 am