

**MINUTES : HSCA – EPARC - Infrastructure Group**  
**Monday February 13, 2017 from 7:00 – 9:00 PM**  
**in the Tim Tyler Board Room at HSCA.**

**Attendees:** Krista K, Pat J, Reg J, David B, Charlie L, Richard B.

**Guests:** Frank Frigo, Andrew Forsyth (both of Water Resources River Engineering)

- (1) Welcome & Introductions – Charlie Lund (5 min)
- (2) A review of the recommendations flowing from the recently completed Barrier Study was provided by Frank Frigo of Water Resources River Engineering (60 min).

Support for a new dam and reservoir on the Bow River upstream of Calgary. In addition to flood mitigation a new reservoir can provide drought mitigation, zero-emission electrical power generation and recreational opportunities. The location of the new dam is officially “to be determined” but it looks like it will be at Glenbow Provincial Park. The new dam will cost in the order of \$1B and take 10-20 years to complete. Funding and construction will be the responsibility of the province. In addition it is recommended that the provincial agreement with TransAlta for Ghost Reservoir management be continued, and that improvements to the reservoir enabling rapid drawdown be undertaken.

Proposal for “complementary barriers” for about 8km of river bank in Calgary. These barriers are intended to “top-up” protection provided by the above dams, to provide some increase in protection while waiting for the dam projects to be complete, and to permit rapid drawdown of the reservoirs when the dam projects are complete (ie. permit 1200 cms flow @Reconciliation with no damage). It is expected that the Sunnyside berm height will be increased by about 1m between about 3rd St and 9th St (approx. 1km). This should provide protection on its own for a repeat of the 2013 event (~15cm overtopping in 2013 + 22cm Prince’s Island Causeway + 50cm design freeboard). Frank indicated that ground water protection will be included for Sunnyside – the only community expected to receive ground water protection (unless you count the zoo). This is economically possible due to the pre-existence of pump stations #1 and #2. For information, to provide complete “barrier only” protection for Sunnyside a berm height increase of 3m and a length of about 3km would be required. The cost would be far, far higher making the “all barrier” solution unaffordable. Concern was expressed that the plan is to provide better protection for downtown than for Sunnyside. A proposal has been developed to provide barriers for Bowness that is expected to be acceptable to that community.

The Upper Plateau Separation project will be recommended to proceed. It looks like it will be high on the flood mitigation priority list. As a back-up, this project will be funded by the City and built when it reaches the top of the CDI priority list.

The consensus of the group was that with respect to the issues above we are in a good place overall. We might not be getting everything we would want in a perfect world, but the Water Resources proposal as described at this meeting is reasonable. It was agreed that while there are still a few details to sort out, we are satisfied. It was agreed that we will support the Water Resources report to SPC-UCS and encourage our neighbours to attend the SPC-UCS to show their support.

- (3) The proposed letter to Infrastructure Alberta was discussed and it was agreed that it be sent – Charlie Lund (10 min)
- (4) Further discussion of the upcoming meeting of the Standing Policy Committee on Utilities and Corporate Services (SPC-UCS) – All (30 min)

The City will be bringing forward a report to the SPC - UCS on March 22 (@9:30 in the Council Chamber of the Municipal Building) to continue to work on both local and upstream flood mitigation/drainage issues. This is an important meeting and as many community members as possible should try to attend and speak at that meeting.

We anticipate knowing what will be in the recommendations to UCS SPC on about March 10 so we should plan on meeting on March 14 to plan our meeting strategy (the final report will not be public until Mar 17 but we have asked for a draft earlier and indications are that we will get it).

- (5) Status of other items – no discussion
- (6) Date for next meeting: Tuesday March 14, 2017 (5 min)
- (7) Adjourn