

DATE: April 6, 2015

ATTENDEES: Abby Piersall, Town of Hingham
Roger Fernandes, Town of Hingham
Mary Savage Dunham, Town of Hingham
Monica Conyngham, Resident
Jim Murphy, Resident
Patricia Bowie, MA Coastal Zone Management
Andre Martecchini, Kleinfelder
Nasser Brahim, Kleinfelder

RECORDED BY: Nasser Brahim, Kleinfelder

CC: File

SUBJECT: Minutes of Steering Committee Meeting No. 4
Hingham Climate Change Vulnerability Risk Assessment
Adaptation Study

KLEINFELDER NO.: 20152625.001A

The purpose of the fourth Steering Committee meeting was to review the preliminary findings of the vulnerability assessment phase of the study (Phase II). Kleinfelder presented flood modeling results for present, 2030, and 2070 time horizons, taking into account sea level rise and storm surge, and answered questions from Steering Committee members. Risk scoring and ranking results for municipally-owned infrastructure were also presented and discussed. Finally, Kleinfelder delivered a draft memo summarizing the methods and presenting the results of the vulnerability assessment.

A televised presentation to the Town's Planning Board and Conservation Commission on Phase II methods and preliminary results took place the evening of April 6th, after the Steering Committee meeting. A public meeting will be held at Hingham Town Hall on April 16, 2015.

Action items and related feedback from the Steering Committee meeting are highlighted below.

Action items for Kleinfelder:

1. Call out MBTA station/tunnel on close-up maps of downtown area. (**Complete: MBTA is not in the close-up area, so not labeled, but verified and can mention that the tracks see flooding with a 1% annual chance of ~0.5 ft. in 2030, and up to 4 ft. in 2070**)
2. Verify whether pump station on Downer Ave near Hingham Yacht Club is at risk of flooding (**Complete: yes, the pump station is at risk**)
3. In tables listing infrastructure assets at risk of flooding, note the first time horizon in which the assets are vulnerable (e.g., "only in 2070" vs. "present and beyond") (**Complete: public meeting presentation slide showing facilities vulnerable indicates time horizon**)

4. Use more familiar names (e.g., local landmarks) to identify the locations of public coastal stabilization structures, both in tables and in maps. Could also note the lengths.
(Complete: slide added to public meeting presentation showing barrier locations with labels for easier reference)
5. Send the Town the list of public coastal stabilization structures, indicate elevations (including the source of elevation information – CZM, Town drawings, etc), and note elevation data gaps. **(Complete: sent to Abby Piersall on 4/8/15)**
6. Share Phase II Draft Memo and Maps with Steering Committee members via FTP or dropbox. **(Complete: links sent to Abby Piersall on 4/8/15 and 4/10/15)**
7. Suggestions for public meeting presentation (April 16, 2015):
 - o Length should be 30-45 minutes
 - o Include a slide outlining the stakeholder engagement process (dates/number of Steering Committee, Planning Board/Conservation Commission, Selectmen meetings; members)
 - o High level explanation of consequence scoring should be included
 - o Provide references for public coastal stabilization structures to make more relatable (see note above)
8. Finalize Phase 2 memo, incorporating probability of exceedance data for roadways and any new data/feedback from the Town on critical elevations and consequence scores (see Actions items #1 and #2 for Town of Hingham).

Action items for Town of Hingham:

1. Complete survey of critical elevations for exposed municipal infrastructure (facilities and coastal stabilization structures), and send to Kleinfelder.
2. Review consequence scoring for critical assets to ensure assumptions are reasonable, and send feedback to Kleinfelder.

The minutes of meeting are the recollection of the author. If there are points or issues that are misrepresented and should be revised, corrected or added, please forward your comments within three days from the date of receipt to the author who will integrate them in a revised version of the minutes.