

1. Welcome/New members introductions/goals
  - New members Susan Deshensky & David Freeman discussed their background and goals
2. NYS DEC Input on Proposal to Further Protect Freshwater Wetlands
3. ACE Updates
  - a. Westchester County Executive has reached out to DEC to move things along with the advanced agreement
  - b. Funding for the Ward Ave and Center Ave Bridge
  - c. FMAC requested that staff reach out to ACORE for regular virtual meetings as well as an in-person meeting
  - d. What happens if we do not get the funding? Any updates on that?
  - e. What happens if the Flood mitigation work we do changes the ratios?
  - f. Mayor Sharon updates from Steve Otis
4. Pumps in the confluence
5. The Low Hanging Fruit List
  - Red Zone Cleared by DPW
  - DPW line item to do small dredging projects
  - Yearly budget for river maintenance
  - Road to Nowhere- Mayor Sharon talk to Harrison
  - Center abutment of the Anita lane Bridge
  - River gauges
  - River Wall ownership
  - Recommendations for building in a flood zone changes
  - Informed communities for projects in White Plains & Harrison
  - Hire flood czar
  - Town of Mamaroneck inform Village of Mamaroneck if will be releasing storm if more than 1" of rain is predicted
  - All containers or material not anchored down should not be permitted in a flood zone
  - Make residents know that they can Tenants can take flood insurance as renters
  - Public needs to understand the process of building permits in the aftermath of a flood
6. Other Passed FMAC resolutions to the BOT-Action Needed
  - a. The Resident Assistance Initiative (\$30k passed to fund resident flood mitigation)
  - b. Emergency preparedness
  - c.. BOT work session with Harrison

- d. New construction in flood plain-FMAC review
- e. TOM informs VOM of dam release
- f. Dike plan- FMAC unanimously voted to include the Dyke plan as an option for Dam/reservoir
- 7. Simple Plan/Already passed FMAC resolutions to the BOT-Studies updates (attached)
- 8. Underground Aquifer- FMAC unanimously voted to have the Mamaroneck aquifer studied to determine its size, how polluted it is and the methods to control its role in flooding.

Solutions include

- 1. Controlling Groundwater levels at the Surface: Channeling and diverting water flow; dealing with pinch points where water is forced through narrow corridors
- 2. Controlling recharge (refilling) of aquifer (wetlands, woodlands, upstream controls)
- 3. Pre-flood release system to drain down existing aquifer levels. Is it feasible do as per the size of the aquifer? Are we releasing polluted water? Methods include pumping out, diverting to other underground springs with capacity
- 4. Use of French drains to contain groundwater as it rises on a city scale (City of Sacramento- <https://ascelibrary.org/doi/10.1061/40792%28173%29382> )
- 5. Storage is one option is it feasible due to the aquifer's size?
- 6. Home-level protections: i.e. sump pumps
- 7. Institute a hydrologic monitoring plan for the aquifer
- 8. Underground aquifers can have underground springs. These springs can be sources of flooding in the downstream community or can be used to drain down aquifers to those springs' final sources... The Long Island Sound
- 9. Flood barriers in Hoboken-Some highlights
  - > 3 resiliency parks . The 3<sup>rd</sup> one Northwest Resiliency park is 5 acres and will detain 2 million gallons of water. Columbus park is 6 acres; Florence Park 8.2 acres; Warren Ave Park is 1.9; You also have the Rye Neck ballfields perhaps. That means we have about 16 acres and we can detain 6+ million gallons of water in these 3 parks not counting the ballfields
  - > 230 million (federal \$\$- DEP Rebuild by Design project) additional funds from American Rescue Plan funding and FEMA's Building Resilient Infrastructure and Communities fund.) + \$100 million (NJ State)
  - > 250+ million on flood walls & related-infrastructure

- > Elevated substations
- > Automated flood warning system to close roads and intersections with barriers

10. FMAC Input Into All Studies- FMAC unanimously voted to have input into all Flood studies. Also all flood studies should include these solutions

- A. Storage
- B. Barriers
- C. Property Purchases
- D. Landscaping
- E. Channeling
- F. Levees/Dams/Flood Gates
- G. Reservoirs
- H. Green Infrastructure
- I. Tunnels
- J. Pumps
- K. Replacement of Non-Natural Barriers (i.e Bridges)

11. CFTE updates (Tony Gelbar- Environmental Committee Liason)

- > Greenway project
- > Full meeting with CFTE
- > rain barrel project
- > Sand bags

12.

13. Harrison, Rye & County updates

14.

15. Q&A from the audience