Avalon Floodplain Management Planning

Presentation of Draft Plan to Borough Council

April 12, 2023

The Community Rating System (CRS)

- A voluntary incentive program that encourages floodplain management practices that exceed the minimum requirements of the National Flood Insurance Program
  1. Reduce and avoid flood damage
  2. Strengthen and support the NFIP
  3. Encourage floodplain management
  4. Reduce flood insurance premiums

- Avalon – Class 3 Community with 3,817 Points
- Only four municipalities have a rating higher than Avalon
- 326 points for FMP (Average is 150 points)

Credits / Points	Class	Premium Reduction
4,500+	1	45%
4,000 – 4,499	2	40%
3,500 – 3,999	3	35%
3,000 – 3,499	4	30%
2,500 – 2,999	5	25%
2,000 – 2,499	6	20%
1,500 – 1,999	7	15%
1,000 – 1,499	8	10%
500 – 999	9	5%
0 – 499	10	0

Overview of Draft Plan

- Section 1 – Introduction
- Section 2 – Community Profile
- Section 3 – FMP Process
- Section 4 – Hazard Assessment
- Section 5 – Impact Assessment
- Section 6 – Goals
- Section 7 – Action Plan Development
- Section 8 – Plan Implementation
- Section 9 – Annual Review Process

FMP Process

- FMP Committee
  - Eleven Members
    - Five Members Representing Borough Departments
    - Six Members Representing General Public
  - Consulting and Advisory Members
- Meeting Schedule
  - April 14 – Kickoff Meeting
  - May 19 – Assess the Hazard
  - June 2 – Assess the Problem
  - June 16 – Set Goals
  - June 30 – Review Possible Activities
  - July 21 – Draft the Action Plan

FMP Process

- Public Notices and Advertisements
  - Avalon Borough Website
  - AHLOA Website
  - Newspaper Advertisements
  - Council Meeting Announcements
- Public Meetings
  - January 13, 2023 – Public Information Meeting
  - February 23, 2023 – Feedback on the Draft Plan
  - April 12, 2023 – Public Comment at Council Meeting

Hazard Assessment

- Hazards:
  - Nor'easters
  - Hurricanes and Tropical Storms
  - Heavy Rain Events
  - Coastal Erosion
  - Wind Storms
  - Severe Winter Weather
  - Tsunami
  - Wildfire

Hazard Assessment

- Flood Hazard Areas
  - AE 8 Zone
  - AE 9 Zone
  - AE 10 Zone
  - Coastal A Zone
  - Repetitive Loss Areas

Hazard Assessment

- Future Conditions – Sea Level Rise

Summary of STAP Outcomes
Sea-level rise:
Table ES-1: New Jersey Sea-Level Rise above the year 2000 (1991-2009 average) baseline (ft)*

	Chance SLR Exceeds	2030	2050	2070			2100			2150		
				Emissions								
				Low	Mod.	High	Low	Mod.	High	Low	Mod.	High
Low End	> 95% chance	0.3	0.7	0.9	1	1.1	1.0	1.3	1.5	1.3	2.1	2.9
Likely Range	> 83% chance	0.5	0.9	1.3	1.4	1.5	1.7	2.0	2.3	2.4	3.1	3.8
	~50 % chance	0.8	1.4	1.9	2.2	2.4	2.8	3.3	3.9	4.2	5.2	6.2
	<17% chance	1.1	2.1	2.7	3.1	3.5	3.9	5.1	6.3	6.3	8.3	10.3
High End	< 5% chance	1.3	2.6	3.2	3.8	4.4	5.0	6.9	8.8	8.0	13.8	19.6

Impact Assessment

- Life Safety
- Public Health
- Critical Facilities
- Economy and Business Community
- Buildings

Goals of FMP

- Reduce the threat to health and safety
- Reduce property damage
- Prevent flood problems from getting worse
- Protect natural resources
- Reduce number of repetitive loss properties
- Educate and inform the public on flood hazards
- Ensure infrastructure projects are consistent with flood protection policies
- Apply science-based SLR data to flood protection strategies

Review of Possible Activities

- Preventive – 9 Activities

- Property Protection – 10 Activities

- Natural Resources Protection – 15 Activities

- Emergency Services – 14 Activities

- Structural Projects – 12 Activities

- Public Information – 10 Activities

Action Plan – New Activities

- Establish Local Tide Gauge

- Bay Park Marina Resiliency Improvements

- Accelerate Bulkhead Replacement

- Flood Insurance Awareness Initiative

- Initiate Business District Flood Study

FMP Adoption and Implementation

- April 12, 2023 – Present Draft Plan to Borough Council

- April 26, 2023 – Council to Adopt Final Plan

- April 28, 2023 – Submit FMP to FEMA

- 2023 – Implement Action Plan per FMP Schedule