

Damariscotta – Sea-Level Rise and Storm Surge

MGS used town as a case study for sea level rise

Matt Lutkus, Town Manager

- Buildings in downtown area are from 1950's
- When the Rt 1 Bypass was constructed, the fill material was brought down and was placed behind the buildings for a parking lot
- The parking lot now needs reconstruction, including sub-structure, paving and drainage
- A Shore and Harbor Study – 2010
 - Reconstruct the parking lot
 - Construction of Restrooms
 - Pedestrian Walkways
 - More parking spaces
- 2013 – Pay/ Parking – got public involved with lot
 - Waterfront revitalization
 - Waterfront Improvement Committee

Robert – Faunce – Lincoln County Regional Planning (Coastal Mitigation Study)

- Gave presentation using Google Earth data about how sea level rise and storm surge will negatively affect the parking lot and adjacent buildings

David Murphy – Milone and MacBroom

Future Flooding Resiliency Study

Grant from MCP to evaluate sea level rise

Goals:

- Determine vulnerability
- Establish scenarios
- Identify opportunities

Design - Elevation – optimal elevation to address problems of sea level rise

Adaptation strategies

- Neighborhood based
- Different ways to address elevation issues
- Provide ways for individuals to make changes on their own

George Parker – Waterfront Improvement Committee

Harbor Waterfront Plan

Phase 1: Reconstruct parking lot

Phase 2: Restrooms

Phase 3: Expand parking

Phase 4: Improve pedestrian access

Phase 5: Expand green space or boardwalk

Phase 6: Pile supported deck across "Misery Gulch"

LeeAnn – Infrastructure Adjustments with Flood Adaptation Measures

Need to relocate pipes if reconstructing parking lot, very complex due to location of treatment plant and pumps

Travis - Utility Planning

How do utility pipes effect/ are they effected with sea level rise

Storm drains fill up during each high tide already

Electrical – all buildings would need to be updated for code before hooking up to the new system

Snow dump

Q&A Session

1. Why not go for a 13' elevation parking lot that will be completely out of the flood zone?
2. During FEMA conversations, might the 12' elevation change with the new maps?
3. Runoff & storm surges, would green space help?
4. When receiving money from a federal agency, the elevation needs to be 100 yr flood + 2-3 feet above
5. Sea level rise info well used
6. Great resource for individual property owners to use – spreadsheet from Milone and MacBroom
7. What's the flood damage from the 1978 flood?