

BOROUGH OF HIGHLANDS

STRATEGIC RECOVERY PLANNING REPORT



September 2014

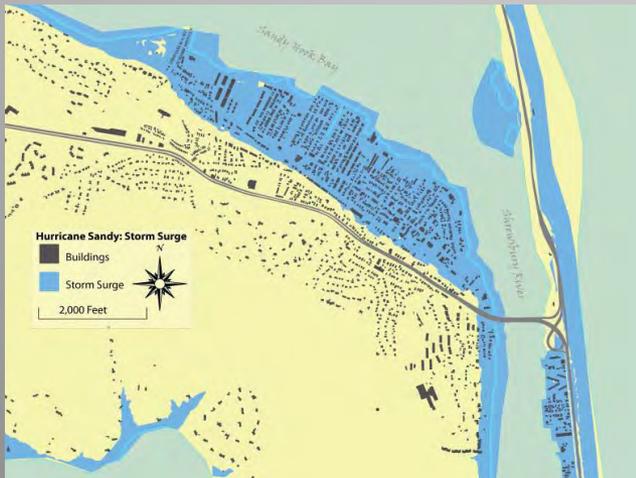
Why do a Strategic Recovery Planning Report? (SRPR)

- To access state \$\$ for plans/ordinance re-writing
- To assist in decision-making
- To educate about risks & vulnerability

What's in a SRPR?

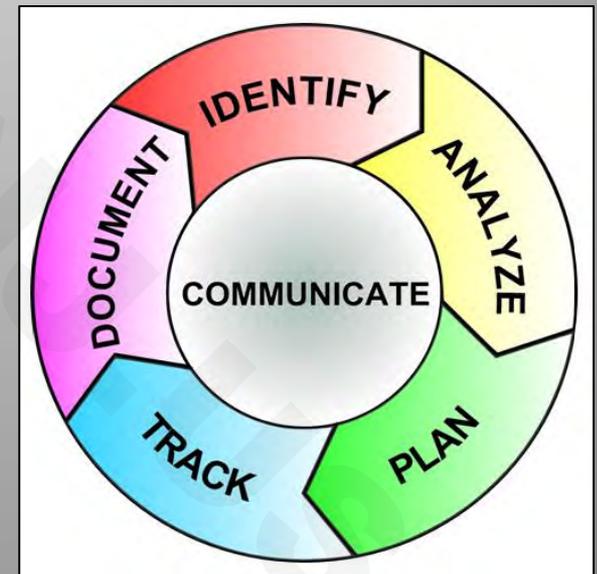
1. Existing conditions
 2. Impact of Sandy
 3. Risk assessment
 4. Getting to Resilience Report & Recommendations
 5. Assessment of Existing Plans
 6. Recommendations for Action
 7. Implementation
- Appendices

Ch. 2 Initial Impact Assessment



Ch. 3 Risk Assessment

- Hazards
- Risk
- Vulnerability & potential impacts
- Exposure to sea level rise



Ch. 3 Risk Assessment

Hazards:

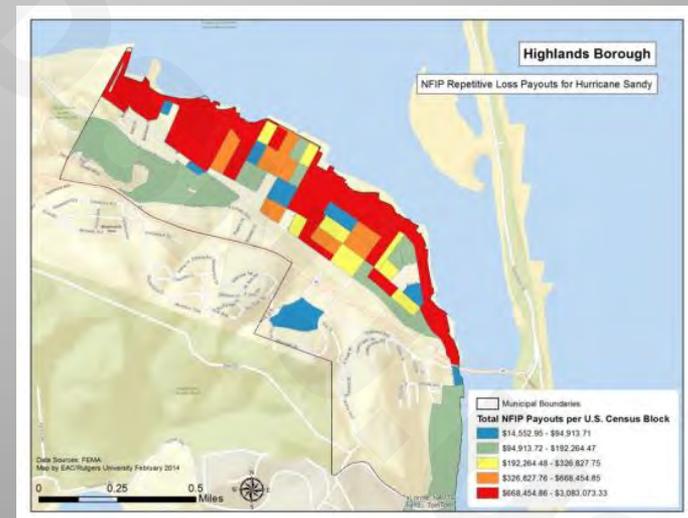
- sea level rise
- higher storm surges
- more intense & frequent storms



Ch. 3 Risk Assessment (cont'd)

Vulnerability assessment

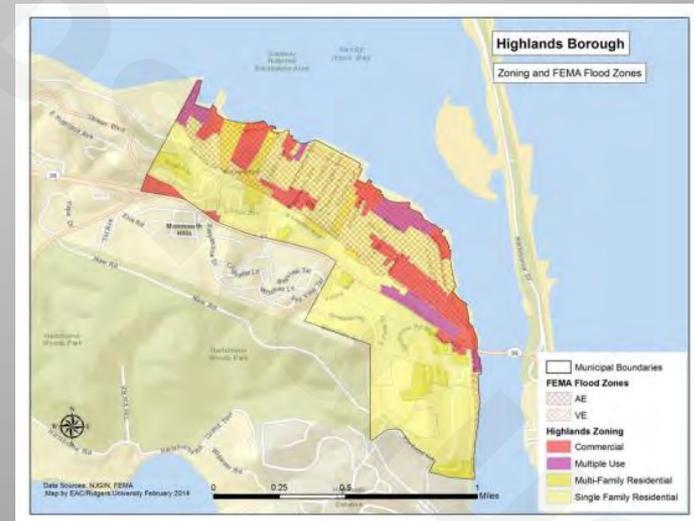
- Flood zones
- Amount of disaster recovery assistance



Ch. 3 Risk Assessment (cont'd)

Vulnerability assessments (cont'd)

- Community facilities & infrastructure
- Zoning districts
- Socially vulnerable: income/age



Ch. 3 Risk Assessment: SLR

A word about sea level rise

Cannot predict the future, BUT

- scientific consensus: sea level rise is occurring,
- public policy recognizes this & that SLR is forecast to continue and increase
- therefore we need to understand estimated impact of SLR and start to respond

The facts:

Sea levels have risen 1.3 feet since 1932 (NOAA, Sandy Hook data)

The projections:

Additional 1.5 feet by 2050 (Rutgers study)

Ch. 3 Risk Assessment: SLR (cont'd)

Estimate of exposure with Sea Level Rise: where & how much?



- 40 acres inundated
- 98 properties
- 82 taxable properties
- \$7 million in assessed value
- \$171,000 tax revenue loss

Ch. 3 Risk Assessment SLR (cont'd)

Estimate of exposure with sea level rise & 1% storm: where and how much?



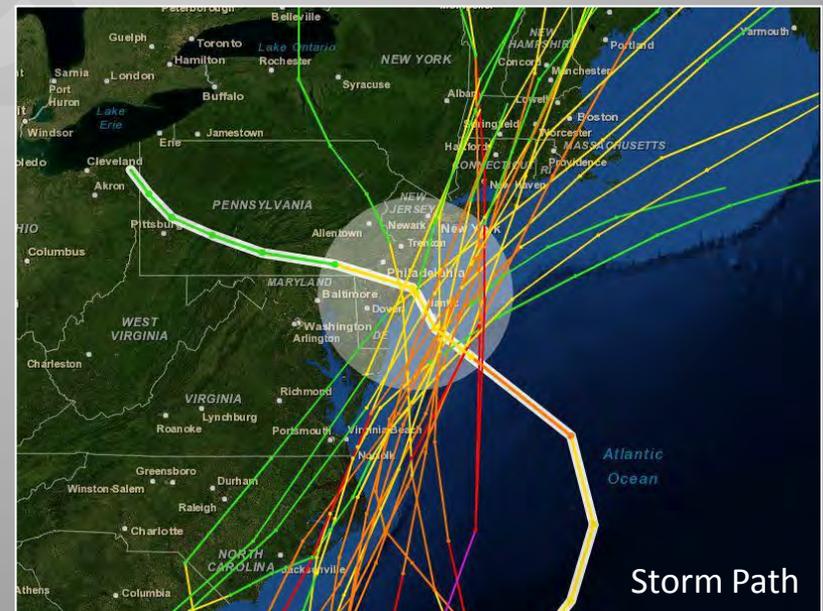
- 211 acres inundated
- 1,500+ properties
- 1,400+ taxable properties
- \$299 million in assessed value
- \$7.3 million tax revenue loss

Ch. 3 Risk Assessment (cont'd)

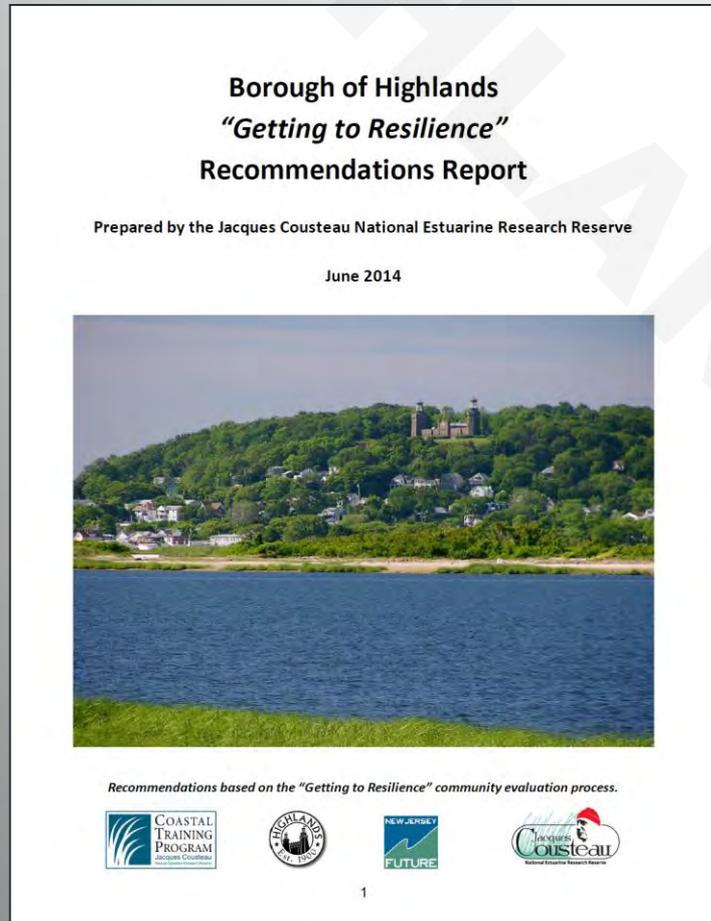
Vulnerability assessments (cont'd)

Potential Impacts:

- Economic
- Public health
- Community cohesion
- Governmental services



Ch. 4 Getting to Resilience



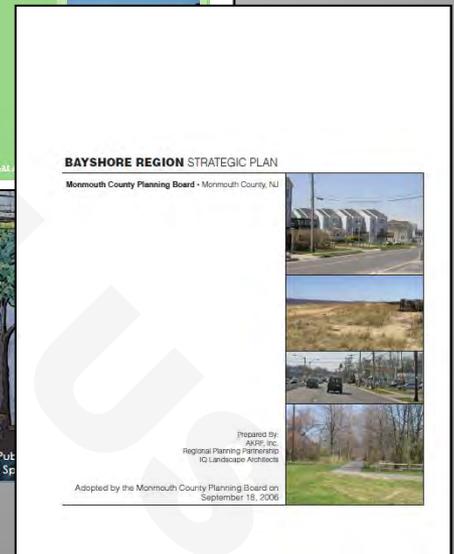
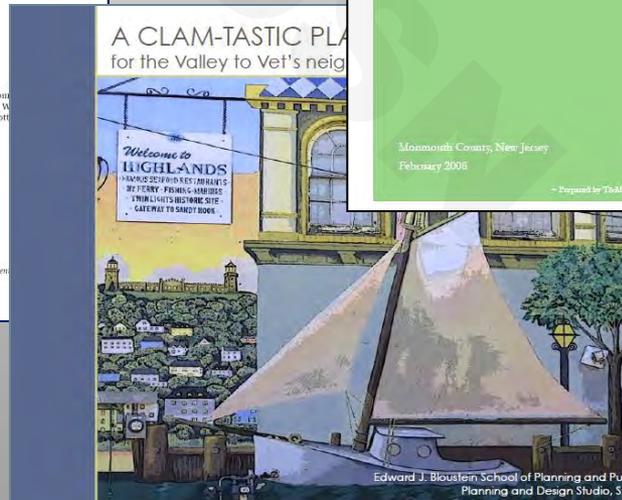
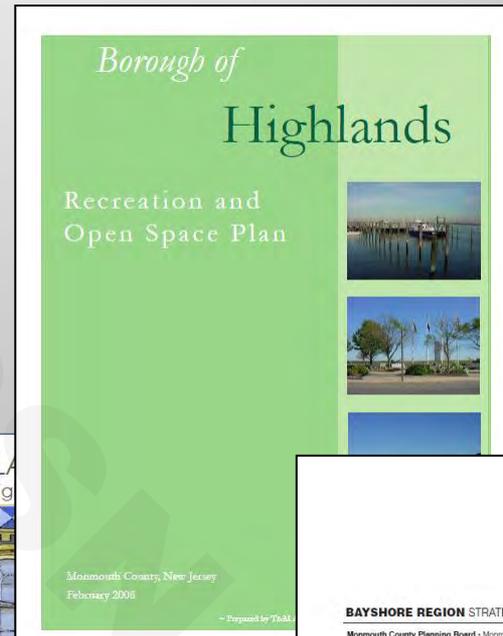
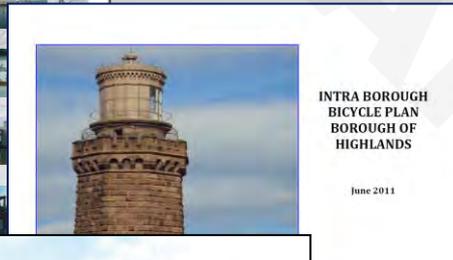
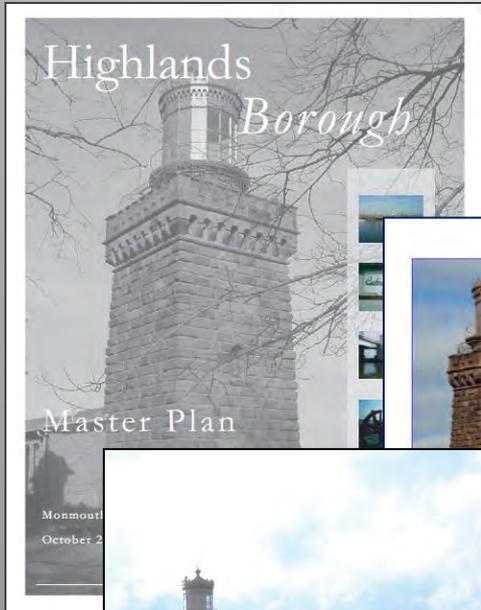
Purpose:

To review strengths, weaknesses, obstacles to resiliency

Recommendations:

- Communication & outreach
- Revision to ordinances and procedures
- Incorporation into future plans
- Capital projects

Ch. 5 Assessment of Existing Planning Documents



Ch. 6 Recommendations for Actions

Highest Priority Actions

1. Economic viability study of continued clamming
2. Increased Property Maintenance & Code Compliance
3. Mitigation of Steep Slopes
4. Municipal Facilities Plan
5. New Master Plan
6. Obtain NFIP compliance/apply for CRS certification
7. Redevelopment study/plan
8. Sanitary Sewer System Improvements
9. Stormwater Drainage & Flood Mitigation
10. Stormwater Piping from Rt. 36
11. Streamline the development review process
12. Update Borough Hazard Mitigation Plan
13. Update codes, plans, & strategies re: risks, hazards, and vulnerabilities
14. Update ordinances re: flood maps/Flood Prevention Ordinance

Ch. 7 Implementation Matrix

What, Who, When, \$\$

- Project description
- Statement of need (relating to Sandy impact)
- Importance to environmental/economic community health
- Major tasks
- Estimated cost
- Potential funding sources
- Project timeframe/phasing

Appendices

1. FEMA Flood Zone Definitions
2. Getting to Resilience Report (full)
3. Alternatives Assessment
 - Seawall
 - Elevation of residences
 - Public boat ramp
 - “Green”/shared streets
 - Parking Garages
 - Shrewsbury Ave extension
 - Hotel & marinas
 - Convert residences to attached units
 - Municipal facilities
4. Potential Priority Actions
5. Conceptual Site Plans for Borough Hall
 - Shore Drive
 - Alternative Site
6. Hurricane Sandy Payout per Census Block
7. Pre-Sandy Payout per Census Block
8. Roadways in AE and VE Flood Zones

Next Steps

1. Council review & possible action on report (Sept 17 meeting)
2. Upon approval: resolution to DCA with requests for funding
3. Obtain professional services for various plans/studies
4. Use SRPR as Borough makes decisions

*ALSO: Free screening of "Shored Up" documentary
Sat, Sept. 20 7 PM Holy Cross School, Rumson*

Questions?



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