

# Impact Statements Assess Vulnerability and Risk Workshop

[LOCATION]  
[DATE]

# Agenda

- Welcome
- Overview of updates and final results
- Understand drivers of vulnerability and risk
- Impact Statement exercise
- Group discussion
- Next Steps

# Assessment Updates & Final Results

# Updates and Changes to the Assessment

[list anything carried forward from the preliminary results meeting that was changed]

# Summary Table of Vulnerability and Risk

Final Results	Total Community Assets	Floodplain Inundation	Storm Surge (Cat 1-2)	Storm Surge (Cat 3-5)	Tidal Flooding (Current)	Future Tidal Flooding & SLR (3 ft + MHHW)	Future Tidal Flooding & SLR (5 ft + MHHW)
<b>Critical Facilities</b>	290	19 (7%)	12 (4%)	64 (22%)	1 (<1%)	1 (<1%)	7 (2%)
<b>Government-Owned</b>	251	34 (14%)	29 (12%)	65 (26%)	8 (3%)	8 (3%)	18 (7%)
<b>Commercial &amp; Industrial</b>	1,396	83 (6%)	52 (4%)	286 (20%)	15 (1%)	17 (1%)	25 (2%)
<b>Parks &amp; Cultural</b>	348	60 (17%)	29 (8%)	106 (30%)	4 (1%)	7 (2%)	15 (4%)
<b>Residential</b>	22,347	2,286 (10%)	1,829 (8%)	6,397 (29%)	311 (1%)	448 (2%)	1,083 (5%)
<b>Historic</b>	2,338	335 (14%)	215 (9%)	913 (35%)	25 (1%)	32 (1%)	91 (4%)

# Top Impact Pairs: Combined Vulnerability and Risk



Map

Map

Map

# Understand Drivers of Vulnerability and Risk: Physical and Social Vulnerabilities



Same exposure, different vulnerability



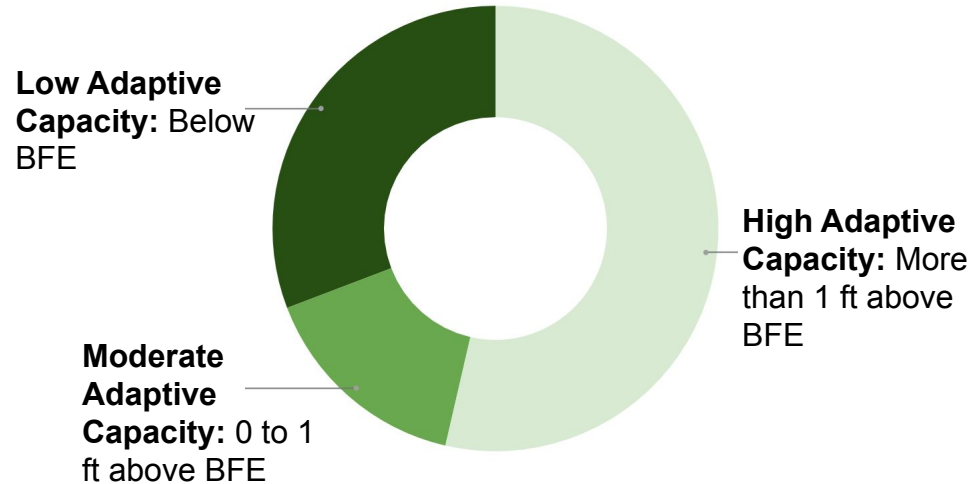
# Physical Vulnerabilities: Assessment Criteria

City-specific factors that are used to define what makes community assets highly vulnerable and at risk to the hazard:

- Review rulesets - if a community asset is vulnerable, what contributes to its high vulnerability?

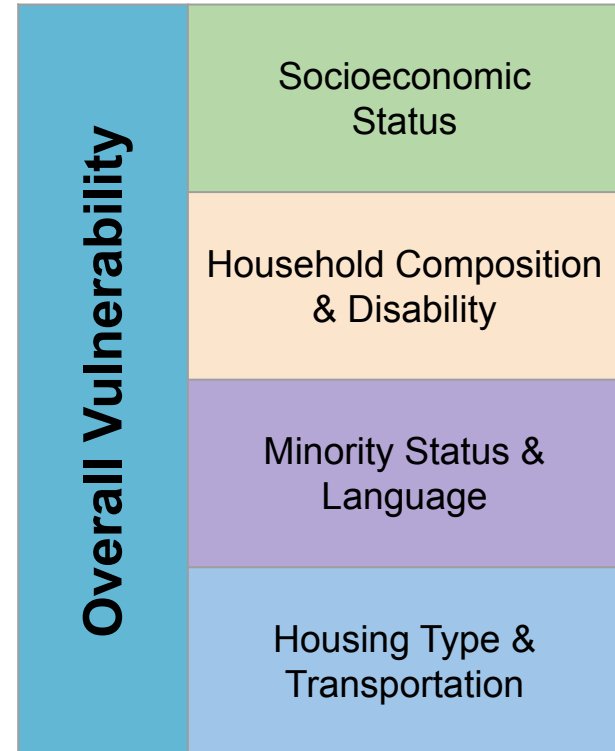
The example at right shows the adaptive capacity criteria for properties prone to floodplain inundation city-wide.

**All properties prone to floodplain inundation:**



# Social Vulnerabilities: Key Consideration

- Vulnerable populations are disproportionately affected by hazard events
- Both impacts to sensitive populations and to critical services (i.e. food retailers) need to be considered
- Several types of information are used to understand multiple aspects of social vulnerability:
  - CDC's Social Vulnerability Index (SVI) and related metrics using Census data
  - Critical community assets (community centers, SNAP retailers, public housing)
  - Understanding from community input and past experiences



From CDC's SVI

**Exercise: Develop Impact Statements**

# Instructions

Either individually or in small groups...

1. Review the worksheet [3.10 Develop Impact Statements - Worksheet](#)
2. Using the final assessment results and what you have learned about physical and social vulnerability, answer the questions in as much detail as possible. If this exercise is being completed in groups, designate one person to be the notetaker.
3. We will come together for a short full-group discussion before adjourning

**Please remember to return the exercise sheets to the practitioner before leaving!**

# Group Discussion

# Exercise Questions

**Describe the community asset and hazard:** is the impact near-term, long-term?  
What is the scale? Primary function/what is disrupted by the impact?

**Describe the types and causes of vulnerability:** What is the key way that the function is vulnerable to the impact? Describe the physical vulnerabilities, social vulnerabilities.

**What is your impact statement?**

Next Steps