APPROACHES TO REDUCE RISK

- future development + redevelopment
  - ordinance + regulations
  - building codes + design guidelines

- existing development
  - CIP projects
  - buyouts, elevations, demo-rebuild
CHAPTER 19

reduces the risk of flood loss in Houston
CURRENT CODE

- applies to property in the 100 year floodplain
- only protects 1 foot above 100 year flood elevation
PROPOSAL

- applies to property in the 500 year floodplain
- protects X feet above 500 year flood elevation
- no net fill in 500 year floodplain
Before 1981
Prior to floodplain regulation

Current Regulations
Protected to 1 FT. Above 100 Year

HOUSTON PUBLIC WORKS
Floodplain & Probability
Different flood events have different chances of occurring in any given year, in any given location.

- 100-Year Flood  1% Chance

Before 1981
Prior to floodplain regulation

Current Regulations
Protected to 1 FT. Above 100 Year
Floodplain & Probability
Different flood events have different chances of occurring in any given year, in any given location.

- 100-Year Flood  1% Chance
- 500-Year Flood  0.2% Chance

Before 1981
Prior to floodplain regulation

Current Regulations
Protected to 1 FT. Above 100 Year

HOUSTON PUBLIC WORKS
Floodplain & Probability
Different flood events have different chances of occurring in any given year, in any given location.

- 100-Year Flood  1% Chance
- 500-Year Flood  0.2% Chance

Before 1981
Prior to floodplain regulation

Current Regulations
Protected to 1 FT. Above 100 Year

Proposed Regulations
Protected to X FT. Above 500 Year
<table>
<thead>
<tr>
<th>RULES</th>
<th>EXISTING</th>
<th>PROPOSED</th>
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</thead>
<tbody>
<tr>
<td>REGULATED AREA</td>
<td>100 year</td>
<td>100 + 500 year</td>
</tr>
<tr>
<td>ELEVATION</td>
<td>100 year + 1 foot</td>
<td>500 year + X feet</td>
</tr>
<tr>
<td>ZERO NET FILL</td>
<td>100 year</td>
<td>100 + 500 year</td>
</tr>
<tr>
<td>SUBSTANTIAL IMPROVEMENTS</td>
<td>100 year</td>
<td>100 year</td>
</tr>
<tr>
<td>ELEVATION OF ADDITIONS</td>
<td>100 year + 1 foot</td>
<td>500 year + X feet</td>
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<tr>
<td>FOUNDATION</td>
<td>All types permitted outside floodway</td>
<td>All types permitted outside floodway</td>
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</tbody>
</table>
Impact Area + Acreage

- 100 year = 117,240 Acres
- 500 year = 33,615 Acres
## IMPACTED PARCELS

<table>
<thead>
<tr>
<th></th>
<th>EXISTING</th>
<th>PROPOSED</th>
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<tbody>
<tr>
<td>100 YEAR</td>
<td>101,246</td>
<td>101,246</td>
</tr>
<tr>
<td>500 YEAR</td>
<td>0</td>
<td>85,739</td>
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<tr>
<td>TOTAL</td>
<td>101,246</td>
<td>186,985</td>
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</table>
## CITY VS. COUNTY

<table>
<thead>
<tr>
<th>REGULATED AREA</th>
<th>CITY</th>
<th>UNINCORPORATED HARRIS COUNTY (conforming)*</th>
<th>UNINCORPORATED HARRIS COUNTY (non-conforming)</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 + 500 year</td>
<td>100 year</td>
<td></td>
<td>100 + 500 year</td>
</tr>
<tr>
<td>ELEVATION</td>
<td>500 year + X feet</td>
<td>100 year + 0 - 1.5 feet</td>
<td>500 year + 0 feet</td>
</tr>
</tbody>
</table>

*most developments since 1984*
NEXT STEPS

1. release draft ordinance  
   ✈️ Feb. 13

2. receive public input  
   🌩️ through Feb. 19

3. present ordinance to Mayor & Council  
   📝 Feb. 28
THANK YOU

pwe.director@houstontx.gov