FloodStat
Increasing the City’s Resilience to Flooding, SLR, and Storm Surge.
PURPOSE

Establish accountability around the Mayor’s priorities.

Foster an environment for open, collaborative discussion so everyone WINS.

Represents a strong partnership between the Mayor’s Office and department leadership and their shared interest in using data to drive performance and decision-making.
TIDEYE: LOCAL TIDE TRENDS
KEY PERFORMANCE INDICATORS (KPI)

KPI 1: **No preventable loss of life or injuries during a flood event.**

KPI 2: **Reduce flood damage to private property.**

KPI 3: **Reduce the economic impact of SLR and flooding events.**

KPI 4: **Reduce the flood risk to the City.**

KPI 5: **Reduce the flood risk to the City through Community Activism.**
TODAY’S PRESENTERS

Sustainability
Parks/Capital Projects
Planning
## SUSTAINABILITY

<table>
<thead>
<tr>
<th>KPI</th>
<th>METRIC</th>
<th>REPORTING FREQUENCY</th>
<th>DATA SOURCE(S)</th>
<th>TRENDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Increase the number of storm drains adopted in the City.</td>
<td>Quarterly</td>
<td>Storm drain adoption database</td>
<td>↑ 205 (160 baseline)</td>
</tr>
<tr>
<td>5</td>
<td>Reduce citywide carbon emissions 80% by 2050.</td>
<td>Biennially</td>
<td>Greenhouse Gas Audits</td>
<td>↓ 2.17 mmt CO\textsubscript{2}e (baseline)</td>
</tr>
<tr>
<td>4</td>
<td>Reduce municipal carbon emissions 80% by 2050.</td>
<td>Biennially</td>
<td>Greenhouse Gas Audits</td>
<td>↓ 38,046 mt CO\textsubscript{2}e (baseline)</td>
</tr>
<tr>
<td>5</td>
<td>Increase the number of businesses and homeowners that participate in voluntary stormwater detention programs.</td>
<td>Quarterly</td>
<td>Charleston Rainproof</td>
<td>≈ 0 (baseline)</td>
</tr>
<tr>
<td>5</td>
<td>Increase the number of gallons of stormwater diverted from the central stormwater system through voluntary detention efforts.</td>
<td>Quarterly</td>
<td>Charleston Rainproof</td>
<td>![Waveform] (baseline)</td>
</tr>
</tbody>
</table>
ADOPT-A-DRAIN

- High Focus Areas derived from Waze Flood Reports
- Identify high priority drains for adoption
  - Consider street level of service and speed limit
- Encourage/report on adoption and reports made for drains in high focus area
- Reevaluate high priority areas every six months
- Is there a more proactive/predictive approach?
NEXT FLOODSTAT MEETINGS

Thursday, October 1st

- Public Service
- CRS Update