Risk and Resiliency
SPU Risk & Quality Assurance Division
March 4, 2019
Tonight’s Agenda

1. Resiliency Overview
2. What are we Doing?
3. Next Steps
4. Your Questions
Resilience is the ability to recover from setbacks, adapt to change, and keep going in the face of adversity.

At SPU, our goal is to evaluate and prepare for risks so that we can adapt and recover from impacts and continue to deliver essential services that protect public health, the environment, and Seattle’s quality of life.
An Evolving and Vulnerable Region

Tremendous regional change

• Economic impacts
• Affordability concerns
• Disaster-vulnerable region
• Climate change impacts
• Changing markets
• Technological advancements
City Council Report

• Due June 30, 2019

Goal is to Identify risks and Resiliency opportunities as well as progress made to-date
RSJ + Equity Toolkit

- Account for disparate impacts on Low Income, Communities of Color
- Consider how SPU’s response to risk impacts communities differently
<table>
<thead>
<tr>
<th>Climate Change</th>
<th>Disasters</th>
<th>Economy and Affordability</th>
<th>Marketplace</th>
<th>Regional &amp; City Investment Priorities</th>
<th>Workforce</th>
<th>Technological Advancements</th>
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</thead>
<tbody>
<tr>
<td>Drought</td>
<td>EARTHQUAKES</td>
<td>Population boom</td>
<td>Ability to site facilities</td>
<td>Voter-led initiatives</td>
<td>Skill availability</td>
<td>Advancements that drive obsolescence</td>
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<td>Extreme downpours</td>
<td>Terrorism and vandalism</td>
<td>Bubble bust</td>
<td>Recycling markets (markets to accept goods)</td>
<td>Programs or projects initiated by other agencies</td>
<td>Loss of institutional knowledge</td>
<td>New H2O treatment techniques</td>
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<td>Sea level rise</td>
<td>Cyberattack</td>
<td>Loss of customers</td>
<td>Availability of raw materials for supplies</td>
<td>Regulatory mandate</td>
<td>Interest in govt sector</td>
<td>Advancements that drive independence</td>
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<td>Wildfires</td>
<td>Volcanic eruption</td>
<td>Cost of Debt</td>
<td>Funds availability</td>
<td>Aging, substandard infrastructure and facilities</td>
<td>Speed of turnover</td>
<td>Speed of tech change driving costs &amp; resource needs</td>
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<td>Air quality degradation</td>
<td>Flooding</td>
<td>Affordability</td>
<td>Marketplace demand</td>
<td>Marketplace competition</td>
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<td>Robotics and electronics that change operations</td>
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<td>Temperature rise</td>
<td>High winds</td>
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<td>Conservation impacts</td>
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<td>Fires</td>
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Options Analysis
Integrating Resiliency into SPU’s work

- Currently working to integrate risk and resiliency into the Solid Waste Comprehensive Plan Amendment.
- Working with SPU departments to track interdependencies and how they are impacted by risks.
Next Steps

- Submit report to City Council
- Finalize Planning Manual
- Plan for the disparate impacts to communities
- Integrated resiliency in to various SPU plans and investments
- Work with individual SPU departments to improve resiliency efforts
Thank You

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