Gas Leak Study Results
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Bob Ackley,
Founder, Gas Safety, Inc.
• Context and legislative updates – Lori Hess
• Weston Gas Leaks – Liz Steel
• Survey results & recommendations – Bob Ackley, Gas Safety Inc.
• Q & A
New Legislative Developments

Examination of Mass. Gas Distribution System was funded by Gov. Baker

Adoption of Final DPU Regulations regarding the designation and repair of Environmentally Significant gas leaks
220 CMR 114.00 Uniform Natural Gas Leak Classification:

“...designated leaks with a Leak Extent between 2,000 and 10,000 square feet shall be repaired or eliminated within two years of initial designation...”
Weston Unrepaired Gas Leaks 2015 - 2019

Number of Unrepaired Gas Leaks

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of Unrepaired Gas Leaks</th>
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</thead>
<tbody>
<tr>
<td>2015</td>
<td>139</td>
</tr>
<tr>
<td>2016</td>
<td>149</td>
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<tr>
<td>2017</td>
<td>141</td>
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<tr>
<td>2018</td>
<td>175</td>
</tr>
<tr>
<td>2019</td>
<td>334 (+159)</td>
</tr>
</tbody>
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Sources:
NGRID 2015, 2016, 2017, 2018
Weston CRDS Survey 2019
Survey Map: Google Earth
Large Leak Migration Area
5,625 sq. ft
Environmentally Significant Leak > 2,000 sq. ft

Poor Soil Oxygenation
<1%
Normal range is 19-21%

Impacted Mature Vegetation
6 trees >18” diameter
Compromised Tree Canopy
Gas Leak Survey - Recommendations

Investigate all gas leaks in town to determine:
- Leak classification for safety
- Leak extent to determine “Environmentally significant” status
- Any affected vegetation: trees, shrubs, plants & grass

Cost: $100 per verified leak, capped at $30,000

- 159 CRDS methane indications
- 175 National Grid leaks
- 334 Possible leak locations
Questions?