

Gas Leak Study Results

May 14, 2019

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Sustainable Weston Action Group

Bob Ackley,
Founder, Gas Safety, Inc.

Agenda

- 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

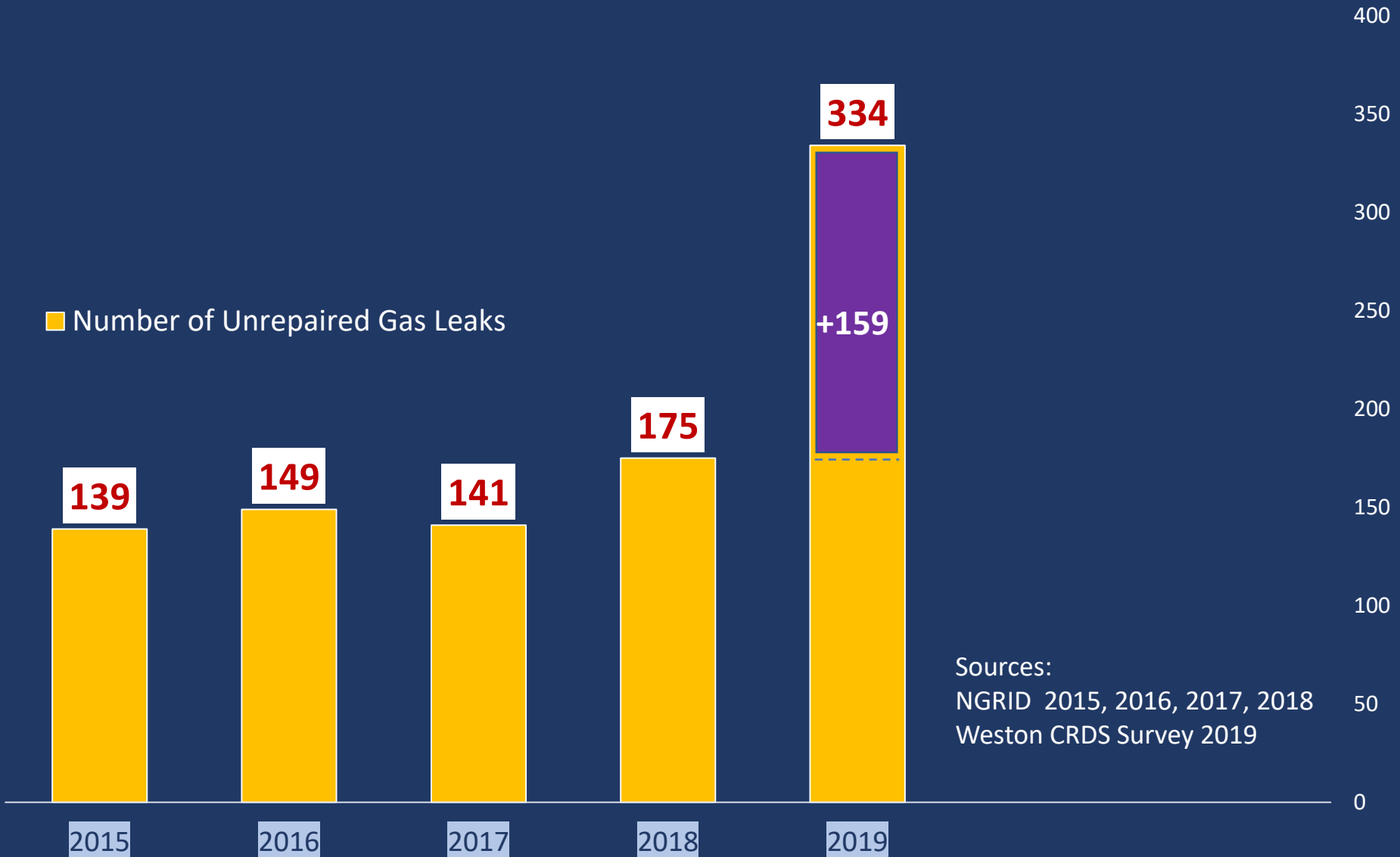
New Department of Utilities Regulations

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...”

Video <https://vimeo.com/335850175/144de55578>

Weston Unrepaired Gas Leaks 2015 - 2019



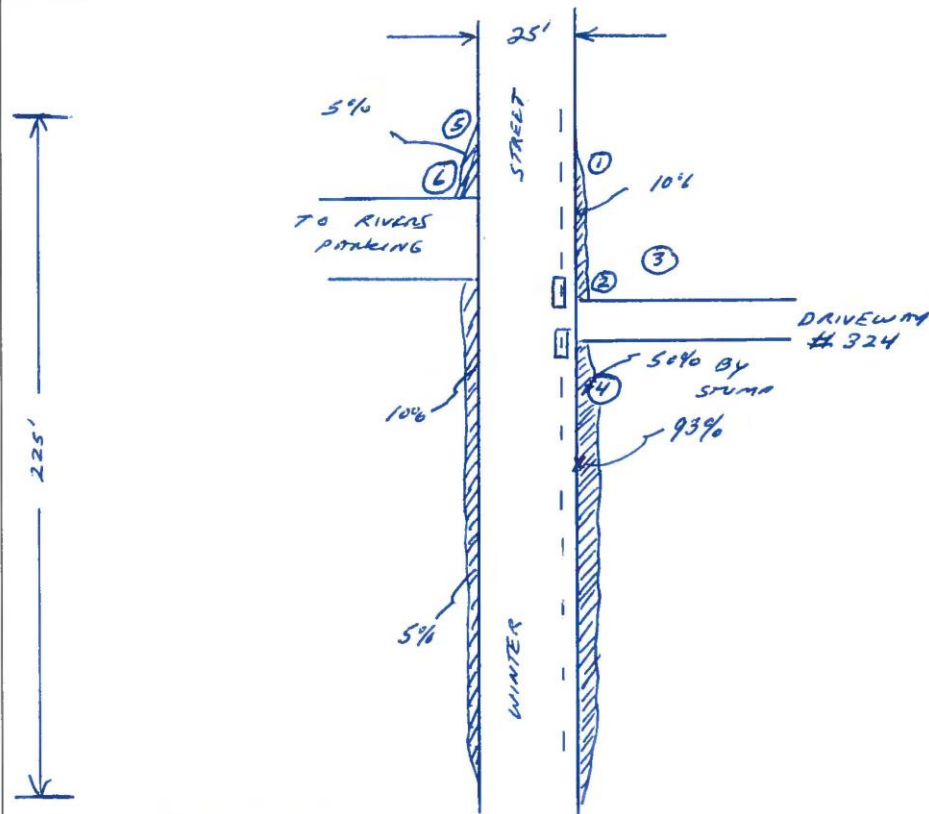
Survey Map: Google Earth

Gas Leak Analysis

324 Winter Street

Date 5-1-2019 Survey Type SPECIAL Grade 2
Address 324 WINTER STREET
City / Town WESTON MA

Sketch:



- Comments
- ① 18" DEAD PINE
 - ② 18" PINE 2 REPAIR PATCHES AT END OF
 - ③ 24" PINE DRIVEWAY. STRONG GAS ODOUR.
 - ④ 28" STUMP
 - ⑤ 25" STUMP LEAK EXTENT $225 \times 25' = 5625$
 - ⑥ 30" STUMP

Surveyed By: B. ACKLEY

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?