Emissions map conceptsFor SB1371 Best Practice 20

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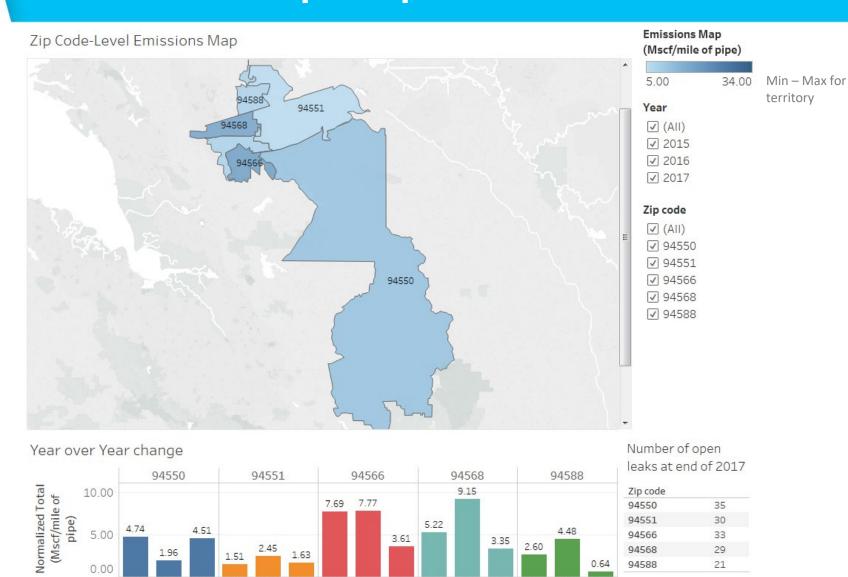


Overview

- Best Practice 20b, pursuant to SB1371, stipulates that utilities develop a publicly available geographic map with leaks displayed by zip code or census tract.
- Utilities shall work together, with CPUC and ARB staff, to agree on a methodology to improve geographic evaluation and tracking of leaks to assist demonstrations of actual emissions reductions.
- We have developed a **proof of concept map** showing 5 zip codes in Tri-valley.
- The current method focuses on methane emissions rather than number of leaks. It includes "unknown" leaks or leaks that haven't been found.



Proof of concept map in Tableau



Appendix





Methodology

For each zip code, year, material type, and pipe classification:

Extract # of leaks and miles of pipes surveyed

Extrapolate unknown leaks based on leaks found by survey

Add leaks reported by customer and employee call-ins to known leaks

For leaks found through survey, assume leaks start at the beginning of the year



Calculate known + unknown emissions using emission factors