LEAD GOOSENECK REPLACEMENT PROJECT

JONATHAN SCHLAUDRAFF
SYSTEM PLANNING

NOVEMBER 2019
PROJECT OBJECTIVES

A. Replace all lead goosenecks within 5-years
   • Distributed evenly through time

B. Complete work in a geographically equitable manner

C. Provide relevant regular communication

D. Tactically coordinate and plan service replacements
   • City Pavement Restoration Policy
   • Pavement condition
   • Project coordination

E. Minimize disruptions to staffing levels and planned work
81% COMPLETE

981 RESOLVED OUT OF 1,215 IDENTIFIED
COMMUNICATION AND COORDINATION

ALL CUSTOMERS
- Public Utility Board Update (annually)
- Community Council Update (annually)

TARGETED LIST OF 1,215 CUSTOMERS WHO MIGHT HAVE A GOOSENECK CONNECTION
- Direct Mail Letter

PROJECT COORDINATION
- Public Works Department
- Environmental Services Department
- 17 Projects Identified (2018, 2019, 2020)
MORE INFORMATION

WEBSITE
TacomaWater.com/Lead

EMAIL
WaterQuality@cityoftacoma.org
SUPPLEMENTAL INFORMATION
REPLACEMENT STRATEGY

• EVENLY DISTRIBUTED THROUGH TIME

• EQUITABLY DISTRIBUTED GEOGRAPHICALLY (8 NEIGHBORHOOD DISTRICTS)

• PROJECT BLOCKS:
  • City Pavement Restoration Policy
  • Pavement Condition
  • Project Coordination
REPLACEMENTS BY YEAR AND NEIGHBORHOOD

REPLACEMENTS IN 2018

<table>
<thead>
<tr>
<th>Status</th>
<th>CENTRAL</th>
<th>EASTSIDE</th>
<th>NEW TACOMA</th>
<th>NORTH END</th>
<th>SOUTH END</th>
<th>SOUTH TACOMA</th>
<th>WEST END</th>
<th>Blanks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Potential Lead Goosenecks</td>
<td>242</td>
<td>42</td>
<td>63</td>
<td>249</td>
<td>404</td>
<td>160</td>
<td>43</td>
<td>12</td>
</tr>
</tbody>
</table>

**Percentage of Current Annual Target**

- **CENTRAL**: 103%
- **EASTSIDE**: 114%
- **NEW TACOMA**: 89%
- **NORTH END**: 102%
- **SOUTH END**: 105%
- **SOUTH TACOMA**: 101%
- **WEST END**: 102%
- **Blanks**: 50%

REPLACEMENTS IN 2019

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**Percentage of Current Annual Target**

- **CENTRAL**: 93%
- **EASTSIDE**: 71%
- **NEW TACOMA**: 67%
- **NORTH END**: 99%
- **SOUTH END**: 108%
- **SOUTH TACOMA**: 110%
- **WEST END**: 70%
- **Blanks**: 110%
PROJECT COST SUMMARY

• ORIGINAL PROJECT BUDGET: $9.9M

• CURRENT PROJECT BUDGET: $8.8M

• Savings due to:
  • Service pipes not requiring replacement
  • Project coordination

• SPENT TO DATE: $3.3M

• 981 total potential goosenecks resolved
  • 640 services replaced (65% of total)
  • 294 lead goosenecks found and removed (30% of total)
Breakdown of Resolved Goosenecks

- Confirmed No Lead Gooseneck Found: 298 (30%)
- Renewed- Lead Gooseneck Found: 287 (29%)
- Renewed- No Lead Gooseneck Found: 353 (36%)
- Retired- Lead Gooseneck Found: 7 (1%)
- Retired- No Lead Gooseneck Found: 10 (1%)
- Other: 26 (3%)

Total: 981 (100%)

NOVEMBER 2018
TACOMA’S WATER IS SAFE

FREE CUSTOMER LEAD TEST KITS

LEAD TEST KIT WATER SAMPLING RESULTS

- 1,289 test kits mailed
- 638 test kits returned
- 90.0% of samples contained less than 1.1 parts per billion (ppb) of lead
- 99.7% less than 15 ppb (EPA action level is 15 ppb)

REQUEST A KIT:
TacomaWater.com/TestKit
POTENTIAL GOOSENECK SELECTION PROCESS

POTENTIAL LEAD GOOSENECK LOCATIONS
(TACOMA’S CRITERIA)

Services that were:

- 2-inches or smaller AND
- Classified in records as “galvanized”, “unknown”, or “blank” AND
- Installed earlier than 1940 AND
- Installed on mains that were older than 1940 AND
- Where no service renewal had occurred beyond this timeframe

Note: Dates prior to 1940 selected to allow 10 years beyond oldest known lead gooseneck installation in Tacoma (1929)
Customer Energy Programs:
2020-2021 Program Plan

Steve Bicker
We plan our portfolio using three guiding principles:

- Programs must be cost effective
- Programs must benefit customers
- Program offers must be equitable
Programs must be cost effective

Most people know conservation is a utility’s greenest resource.
It’s also Tacoma Power’s least expensive resource.

Cost effective conservation is also required by Washington’s Energy Independence Act.
Programs must benefit customers

Participation must be a positive experience in every way possible.
Program offers must be equitable

All customers pay for programs in rates.

All customers have access to programs.
Changes for 2020-2021 Energy Programs Offers

- Residential: Simplifying programs and shifting focus
- Low-income: Innovative programs
- Commercial: Incentive changes and small business focus
- Future look: New programs under development
Shifting residential focus
Innovative low-income programs

- New Offers
- Rental Housing
- Community Partner
Focus on small businesses

New lighting incentives

Small business focus

Higher HVAC incentives
Future look: New programs under development

Digital Engagement

Demand Response

Electrification
Thank you

Steve Bicker
Assistant Power Manager / Customer Energy Programs
sbicker@cityoftacoma.org