

Street Sweeping

Roads Operations, Public Works

Core Service Review



Why do we sweep?

- Sweep roads and sidewalks
- Appearance
- Dust control
- Minimize sand accumulation on the roadside and in the storm sewers
- Vehicle and pedestrian safety

What are we doing now?

- Spring Sweeping and Maintenance Sweeping
- Spring Sweeping - Some areas done by City staff – Generally priority areas
- Spring Sweeping - Contract for other areas throughout the city (option for renewal)
- Contractor provides truck, water truck, sweeping machine, operators (hourly)
- Sweepings disposed at landfill

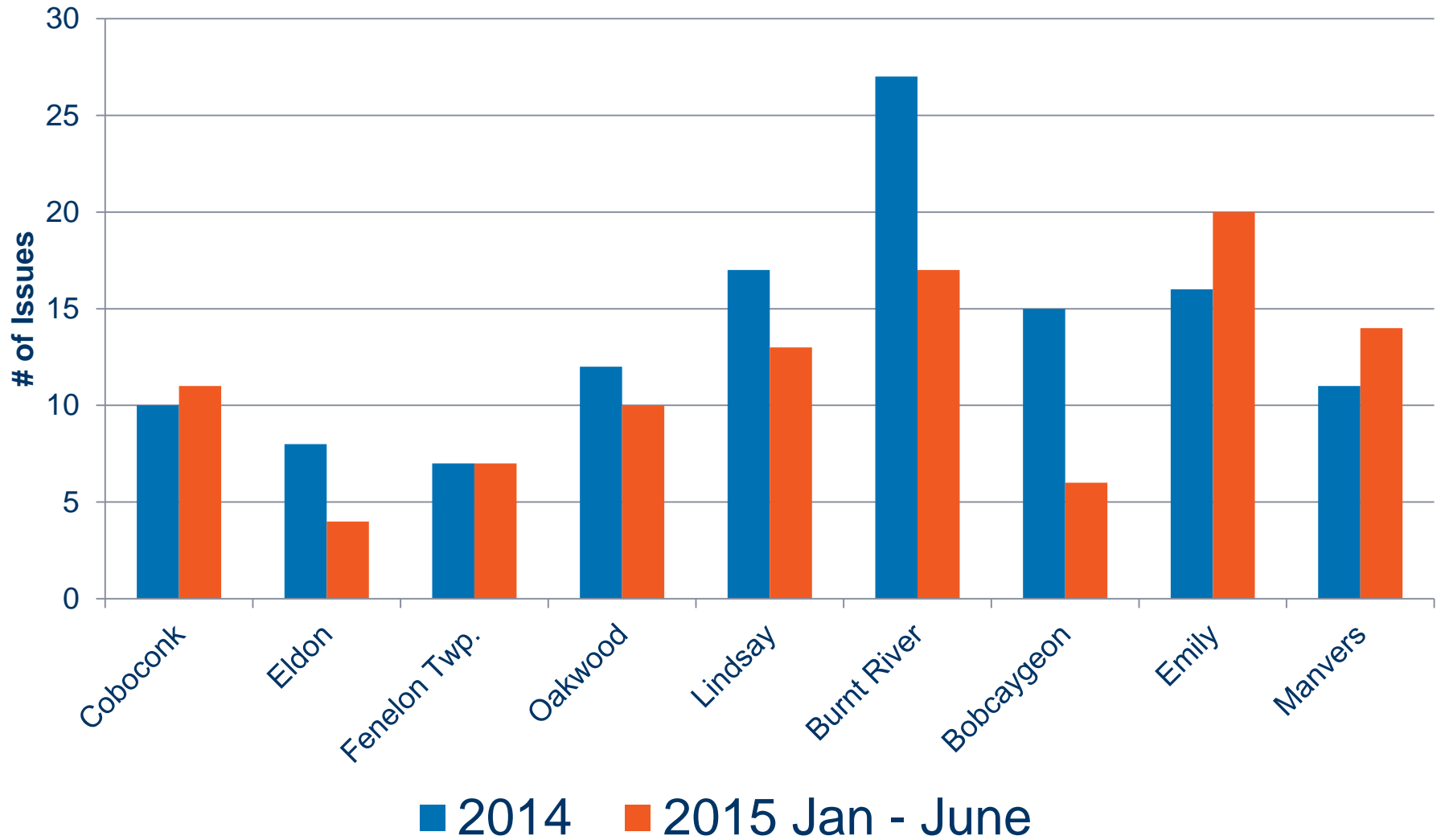
What are we doing now?

- Areas that are serviced were established historically
- We maintained levels from former municipalities
- A consistent level of service has not been established
- Each operating area determines their sweeping schedule, needs and priority areas

What are we doing now?

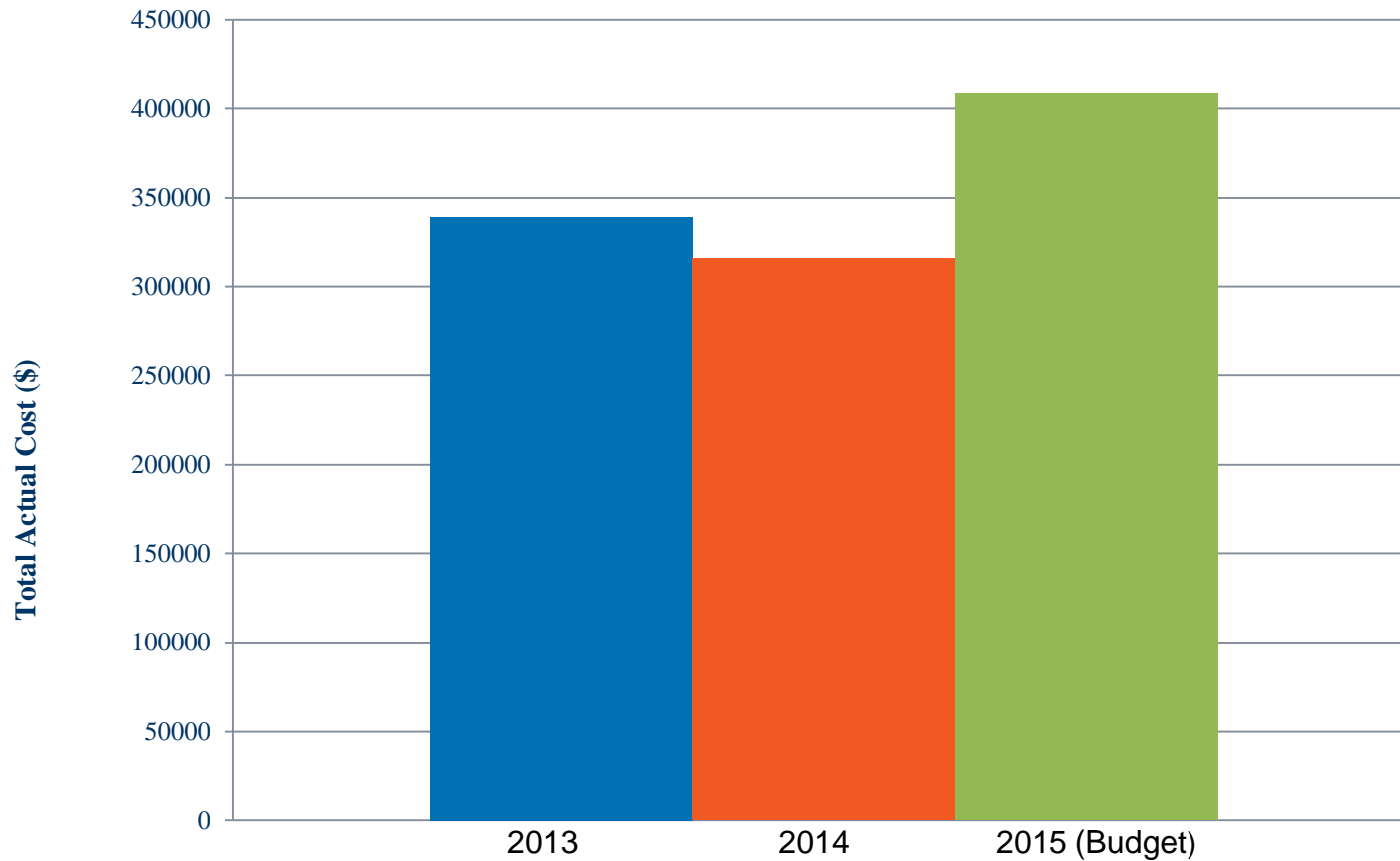
- All urban areas are done (anywhere with curb and gutter)
- All large bridges are done
- Intersections done in-house throughout the year
- Rural residential – no established criteria
- Some rural roads are swept to manage dust complaints

Issues recorded



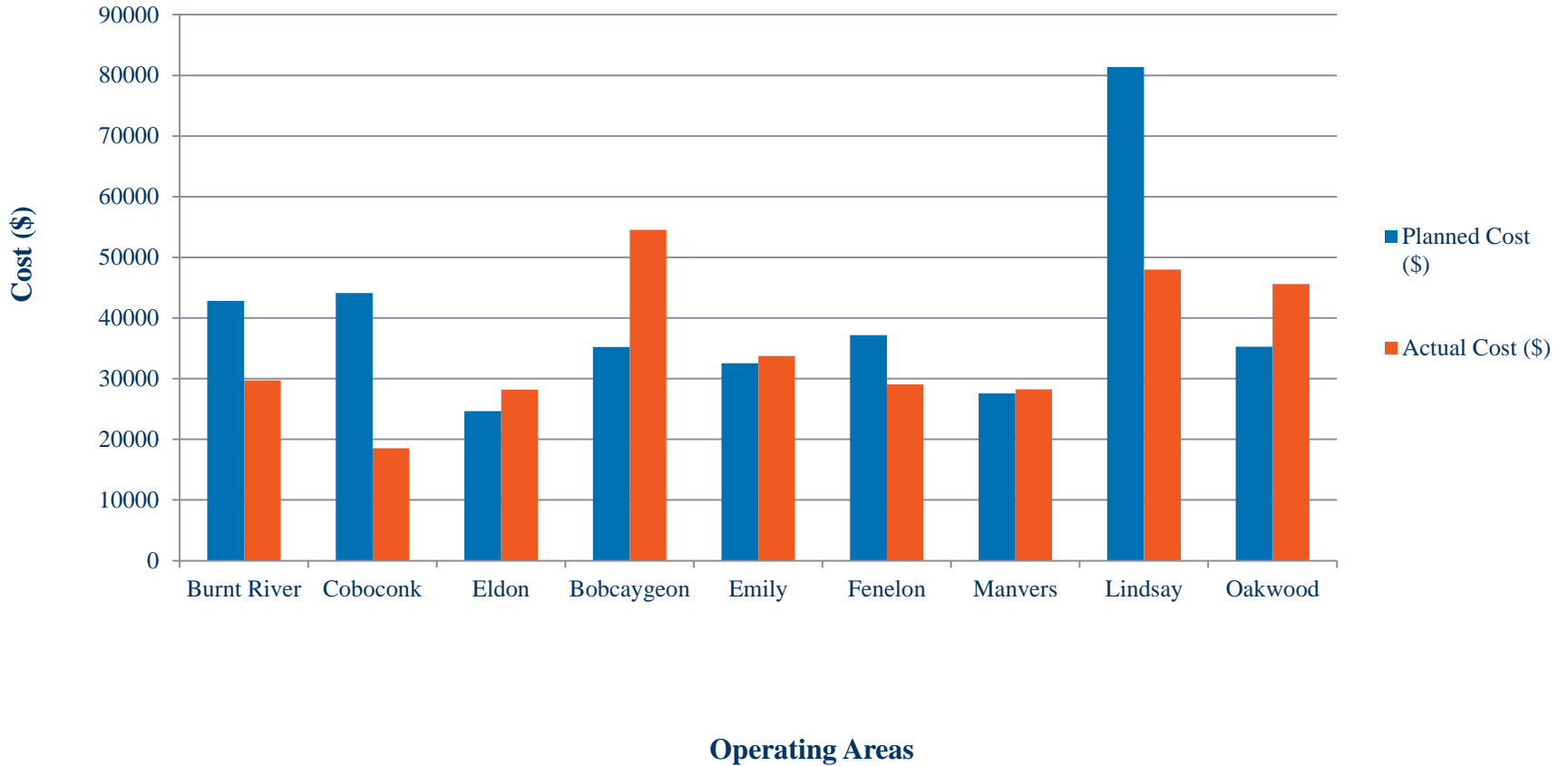
What is it costing us?

Total Actual Costs/Year for Street Sweeping



What is it costing us?

2014 Street Sweeping by OPERATING AREA



What is it costing us?

- Complaints – chart
- 1 hr. supervisor time/complaint
- Service Centre time
- Contract administration – Tech
(preconstruction meeting, tendering, reporting and payments)
- Contract administration – Supervisor
(scheduling, contractor performance, disposal)

Options

1. Keep current practice without a standard level of service
2. Establish a level of service to capture current practices (increase in some areas)
3. Establish a minimum level of service (decrease in some areas)

Option 1 - Current Practice

- In-house sweeping with contractor to complete throughout the city
- Areas based on historical practice
- No standard level of service

Option 1 - Benefits

- Residents have become accustomed to the current practice
- We provide this service to a large part of the city
- Gain the benefits of minimizing the roadside build up

Option 1 - Risks

- Inconsistent service level
- No criteria to deny service
- Potential to expand without planning and budgeting

Option 1 - Costs

- 2016 Budget maintained at \$408,422 – Includes costs of maintenance sweeping throughout season
- Contracted Services Estimated increase of 2% per annum
- Maintained Budget will result in less maintenance sweeping throughout season

Option 2 – Establish a Level of Service

- Establish a level of service to capture current practices (increase in some areas)
- Define service level for urban, rural residential and rural
- Include all areas currently serviced
- Could provide service in some areas that previously didn't have it based on the criteria established

Option 2 - Benefits

- Consistent level of service
- Criteria to deny service
- Any service additions will be planned based on growth
- Doesn't reduce service level
- Assists with scheduling and budgeting

Option 2 - Risks

- Increase in costs
- Indeterminate level of service

Option 2 - Costs

- Estimated increase in operating cost of 10-15%, based upon the following:
 - Operating Areas generally following similar practices, with individual cases of special attention/level of service provided
 - Requirement to sweep all of rural-residential hard surface roads

Option 3 – Establish a Minimum Level of Service

- Establish a minimum level of service (decrease in some areas - Rural)
- Define service level for urban, rural residential and rural
- Decreased level of service in some areas based on criteria

Option 3 - Benefits

- Decrease cost
- Consistent level of service
- Criteria to deny service
- Any service additions will be planned based on growth
- Assists with scheduling and budgeting

Option 3 - Risks

- Not providing the same level of service we have historically provided (in some areas)
- Increase in complaints
- Increased sand accumulation along roadsides and sidewalks that will affect drainage

Option 3 - Costs

- Hard Costs will decrease progressively based upon level of service established
- Increase in long term costs to maintain (i.e. – Sand Berm Removal, ditching and culvert flushing will be required more frequently) – Difficult to Quantify

Conclusion

- Public Works requires a decision in which direction the City would like to proceed
- Upon receiving direction, a detailed report and hard costs can be established – by means of an in depth report performed by technical Services (PW)
- Option 1 or 3 – 2016 Implementation
- Option 2 – 2017 Implementation