



# Sanitation in Parks

Engineering Supported Cleanliness  
& Zero Waste Initiatives

Regular Park Board Meeting  
Monday, November 6, 2017



- Service Areas & Responsibilities (who does what)
- Service Levels and Service Management
- Ongoing Challenges
- Pilot Programs
- Other Supporting Initiatives
- Summary

## Service Summary:

Service Type	Engineering	Parks	Private
1) Abandoned/Transient Waste Collection	Request based	✓	
2) Mechanical Sweeping	✓	✓	
3) Waste Receptacles	✓		
4) Litter collection		✓	
5) Special Events	✓	✓	
6) Waste collection (back-of-house operations)	✓		✓

Engineering – Sanitation 24/7 most services done at night

In 2010, transfer of litter bin collection services to Engineering Sanitation Branch as a cost/efficiency savings measure, roles and responsibilities as follows:

1) Abandoned/Transient Waste Collection

***Parks Responsibility except 2017 - Engineering has taken over in 6 parks to free up Parks Rangers – Oppenheimer, Andy Livingstone, Pidgeon, Wendy Poole, Skateboard and Crab (Portside)***

2) Mechanical Sweeping

***Engineering Responsibility***

- Seawalls
- Stanley & Queen Elizabeth Park roadways
- Some Community center parking lots



## 3) Waste Receptacles

### **Eng Responsibility**

- Collection of Carts
- Clean up around carts
- Total 1360 deployed year round
- +150 more during high season (May-Sept)



## 4) Litter Collection in Parks/Beaches

### **Parks responsibility except 6 done by Eng**



## 5) Special Events

### ***Cooperative***

- Eng partners with parks staff to facilitate waste management plans/needs
- Eng supports large scale city sponsored events (i.e. fireworks) with receptacles, zero waste stations and cleanup



## 6) Waste Collection

### ***Real Estate and Facilities Management Coordinates***

- Eng services Concessions and some community centers
- Private waste hauling company provides remaining services



## “2017 Service Level Summary”

- Covers all parks individually
- Adjustments based on collaborative process between Parks and Eng



Engineering Services

Waste Management and Resource Recovery Division

### 2017 Service Level Summary

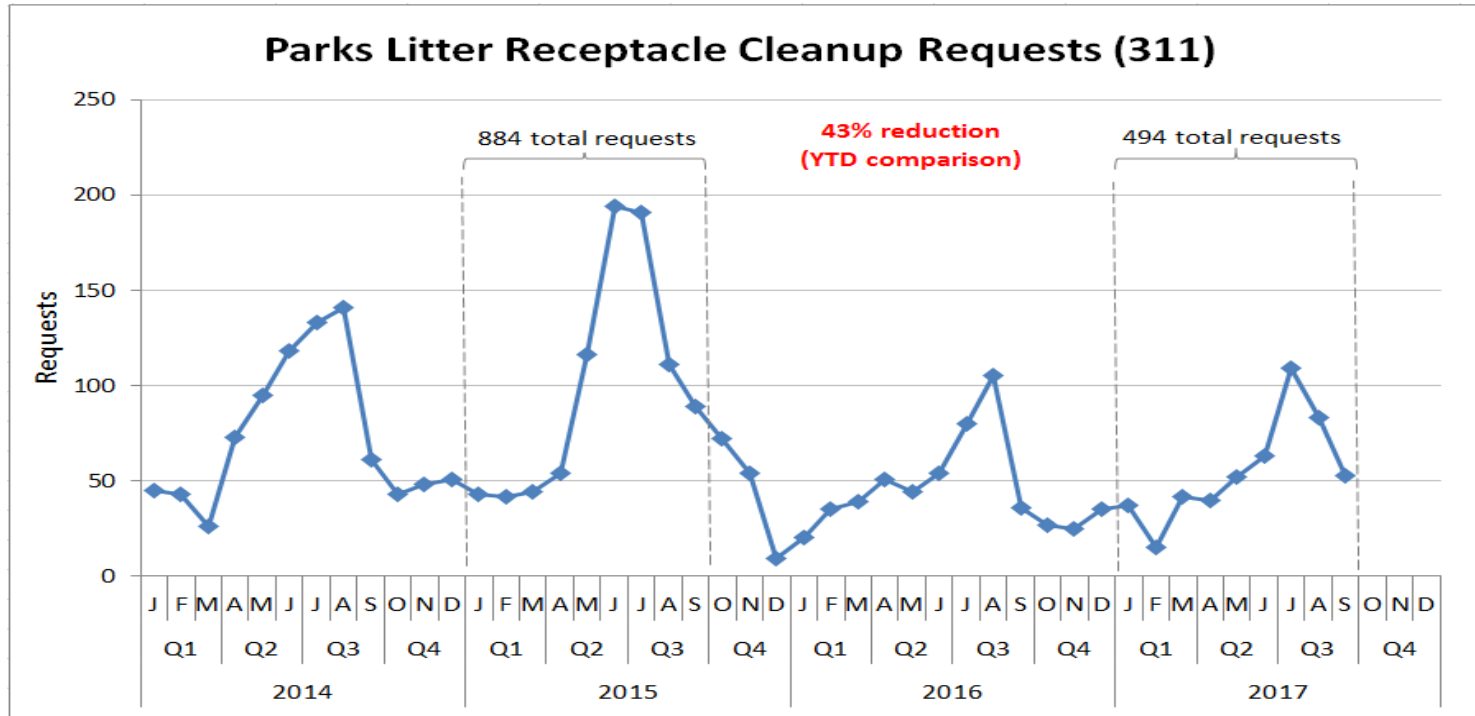
for

**Vancouver Park Board**

Litter Receptacles - Quantity and Collection Frequency - 2017					
Park	Address	Totes	+High Season	High Season (May - Sept)	Low Season (Oct - April)
General Brock	2301 Brock	1	1	Mon, Thurs	Mon, Thurs
Grays	4850 St Catherines	5	1	Wed	Wed
Jones	5350 Commercial St	1	2	Mon, Thurs	Mon, Thurs
Kensington	5175 Dumfries	9		Mon, Thurs	Mon, Thurs
Kent Ave Seawall	1700 - 2000 E Kent Ave South	2		Mon, Thurs	Mon, Thurs
Kingcrest	4150 Knight	2	1	Wed	Wed
Champlain Trails	Blake St, Champlain Cres, Matheson Cres	4		Tues, Fri	Tues, Fri
Earles	2801 E 41st	2		Tues, Fri	Tues, Fri
Everett Crowley	8200 Kerr	6		Every day	Tues, Thurs, Sat
Fraserview Golf Course perimeter	7800 Vivian	4		Tues, Fri	Tues, Fri
Killarney	6205 Kerr	8		Tues, Fri	Tues, Fri
Kinross Ravine Pk	3350 SE Marine Dr	1		Tues, Fri	Tues, Fri
Norquay	5050 Wales	3	4	Tues, Fri	Tues, Fri

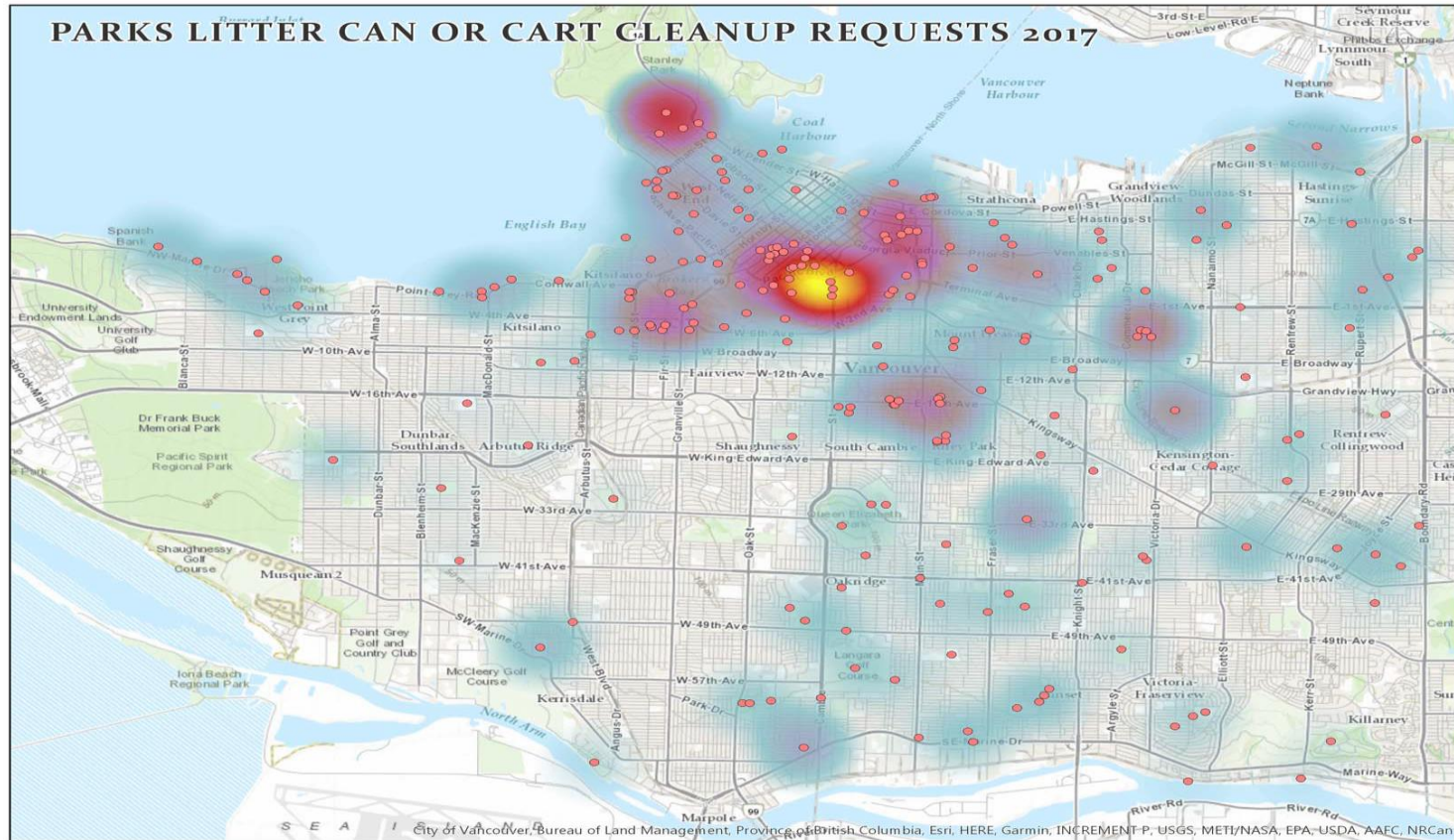
Decreased 311 “Parks receptacle clean up requests” by 43% from 2015

- Field response is typically same/next day





# Ongoing Service Management



Targeting problem areas through GIS mapping of 311 receptacle cleanup calls

- Monthly meetings Eng and Parks staff
- Nightly encampment reports by Engineering
- In addition to 6 Parks now serviced by Engineering - collaborating on Park cleanups where needed/requested



# Ongoing Challenges



Household garbage dumping



Stolen or abandoned totes



Unplanned events



Security restrictions and access challenges during special events



Encampments and adjacent areas

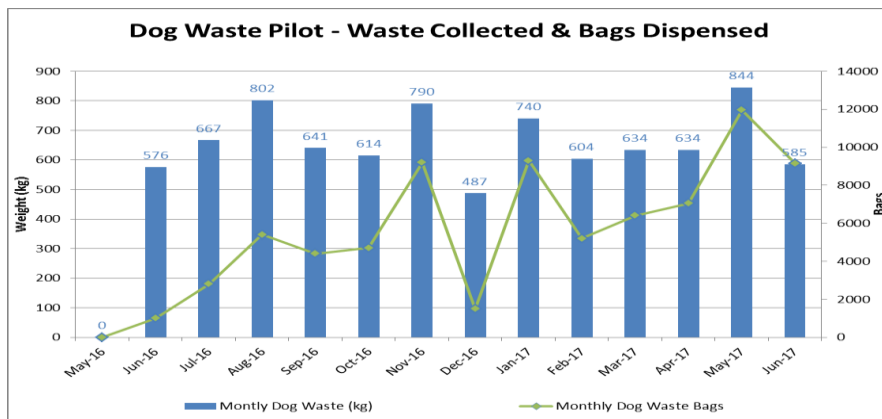
## Support with needle collection from parks

- Engineering – Sanitation staff
- Grant program micro-cleaners
- Spikes-on-Bikes (needle recovery and overdose response team)
- Installation of needle boxes



# Pilot Programs – Dog Waste

- Began in 2016 in Charleson, Grimmert, John Hendry parks
- Expanded July 2017 to Emery Barnes and Hinge parks
- 2018 - 3 more dog parks
- Approx. 8 tonnes of dog waste collected
- Considering costs, collection & processing options, for possible expansions



- RecycleBC pilot 2016/2017 in West End and Stanley Park (2nd Beach)
- Next steps – 2018 expand # of concessions in program
- Working with Parks staff to improve recyclability of some concession materials (i.e. compostable plates, etc.) and customize bin icons for concessions



Original RecycleBC Pilot bin design



Eng "Cart Enclosure" design

# Other Supporting Initiatives

## Educational/Outreach Campaigns to change behaviour

- Anti-litter: Billboards, transit shelters/stations, bus panels, rack cards, social media
- Cig butt outreach: Teams distributing pocket ashtrays



## Beach Plastics Recycling

- City supported volunteer beach cleanups now offered 2 bags (garbage & plastics)
- Materials sent to TerraCycle for recycling into new shampoo bottles



## “Clean Shoreline Community”

- New initiative led by Great Canadian Shoreline Cleanup
- Recognizes City’s commitment to “actively addressing the important issue of shoreline litter”
- Involves working together on recruitment, messaging, data, etc.





- Roles and Services are well defined
- Working together for continuous improvement
- Jointly Identifying and addressing challenge areas
- Pilot programs underway
- Continued efforts towards supporting initiatives

**Thank You**