

# RIGHT SIZING YOUR COLLECTION INFRASTRUCTURE

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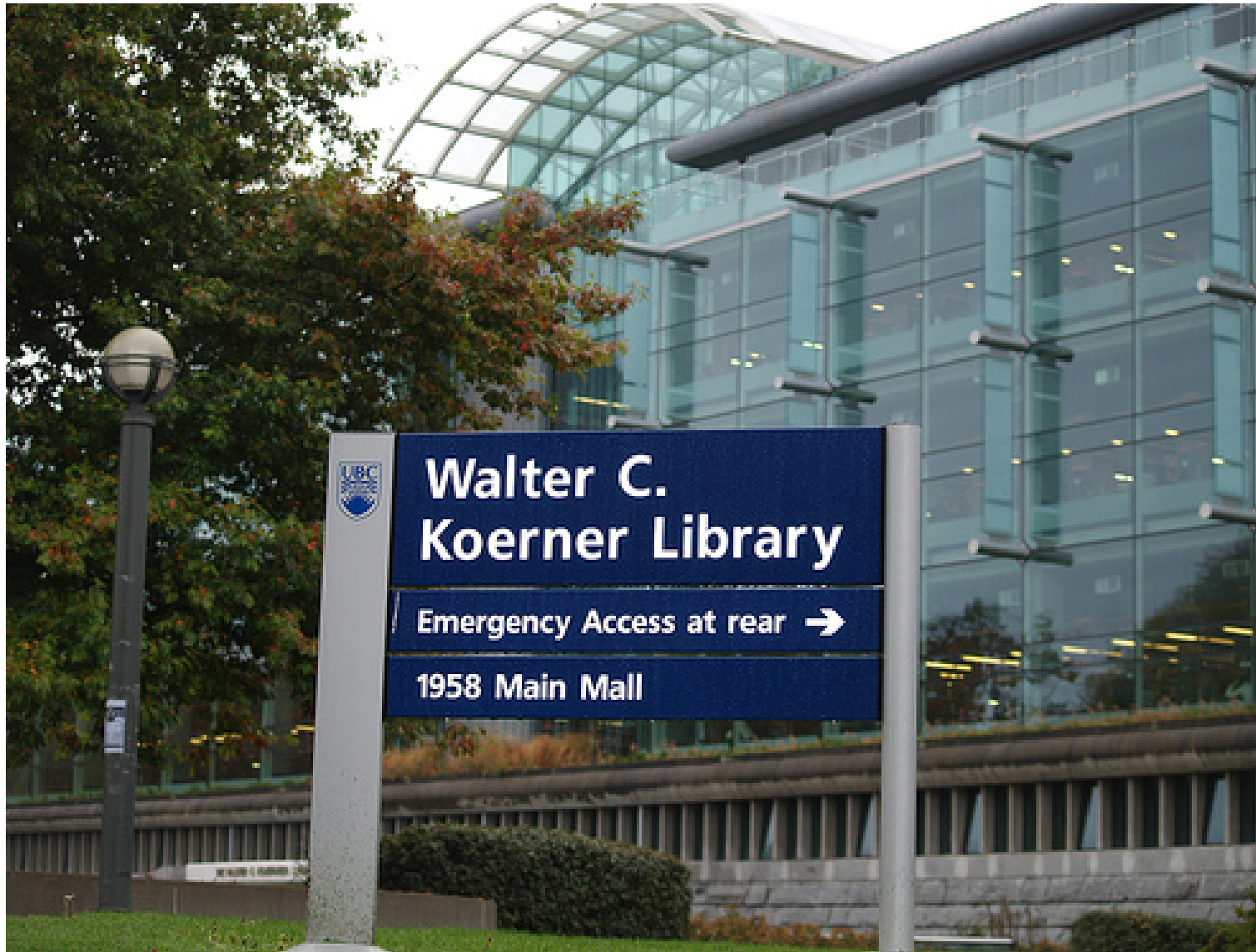
# UBC CONTEXT

## Vancouver Campus

- 402 hectares (including market housing)
- 44,000+ students (FTE)
- 15,000+ staff and faculty (FTE)
- 20,000 residents
- 300+ buildings
- 60,000+ daytime population



# TRANSITIONING TO MULTI-STREAM RECYCLING STATIONS IN PUBLIC INDOOR AREAS



## EXISTING SITUATION (2013)



Approx. 70  
garbage  
receptacles

Paper  
recycling near  
photocopiers



# MULTI-STREAM RECYCLING STATIONS: LARGER CAPACITY, STRATEGICALLY LOCATED



Proposed pilot strategy: 10 stations in library, remove all single cans

Primary concerns:

- Litter
- Custodial servicing effort
- Space and appearance
- Food scraps odours & flies, impact on library food policy

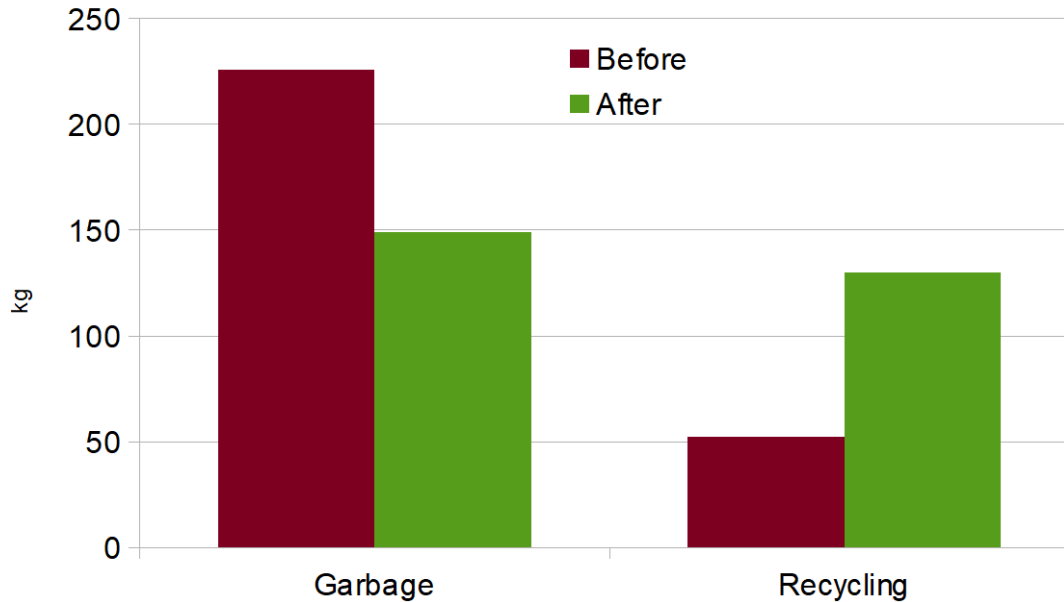


# PROACTIVE COMMUNICATIONS & ENGAGEMENT ARE ESSENTIAL FOR SUCCESS



- Develop communications plan and materials
- Engage with custodial services and building administrators

## POSITIVE RESULTS



- Overall diversion increased from around 20% to nearly 50%
- Litter did not increase
- Custodial effort balanced out after adjustments in processes
- Similar process followed to expand to other buildings

## PUBLIC REALM CONTEXT - 2016



Approx 185 solo  
garbage cans, often  
close together



Some serviced by  
ancillary  
departments



# PUBLIC REALM ISSUES



- Overflows
- Animals -> litter
- Leaks
- “Wishful” recycling and public demand



## ROLLOUT OF NEW STATIONS

- 3 or 4 streams
- Large capacity – up to 750 litres (200 US gallons)
- Replace garbage cans at approximately 3:1 or higher ratio

### Concerns

- Litter
- Collection effort
- Recycling truck access



# ROLLOUT OF NEW STATIONS

## Results

- Much smaller number of collection locations, but support of recycling and composting
- More complex collection process but larger capacity reduces frequency
- Reduced animal issues and leakage -> less litter caused by open cans
- Food scraps contamination ongoing



## NEXT STEPS

- Continue to roll out new stations over time – eventually **replace or remove** single cans
- Monitor food scraps contamination and litter
  - Make adjustments to bin configuration, signage if needed





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