

Automated Garbage, Yard Waste and Recycling Collection Service

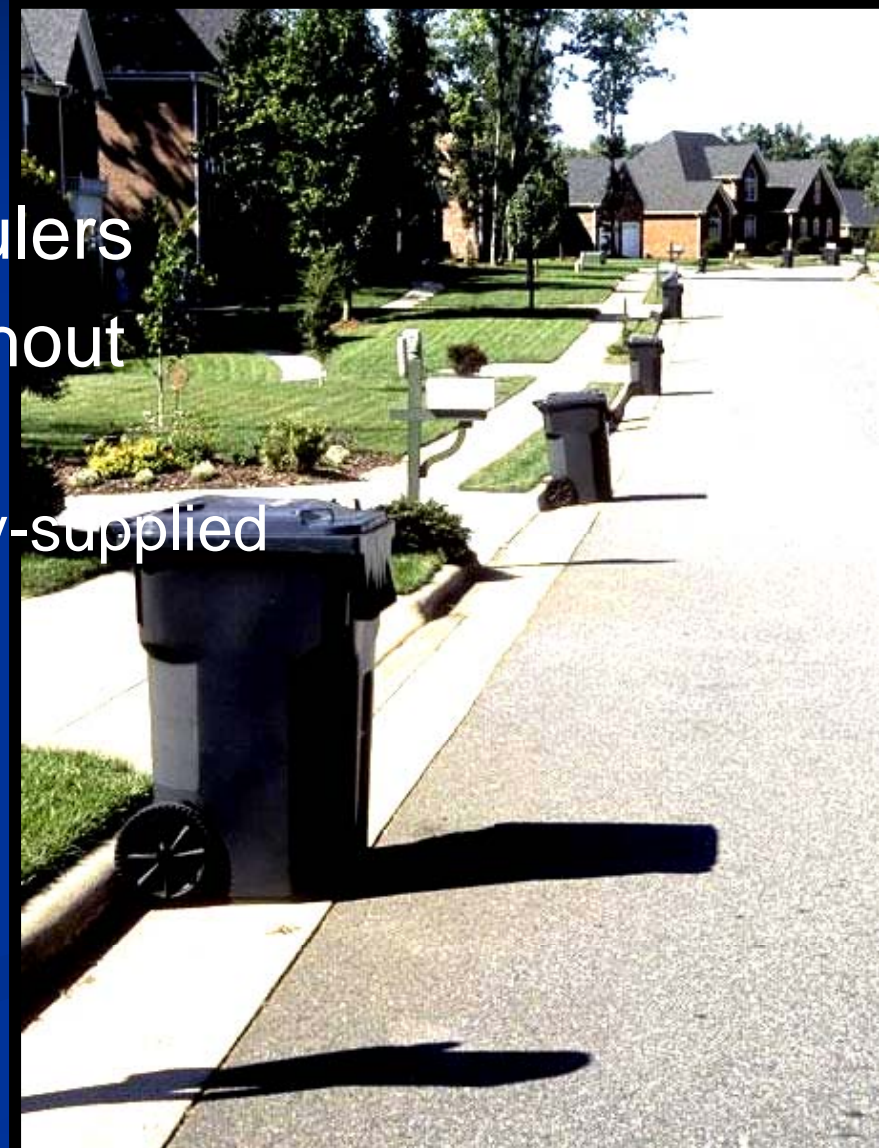


Background - Problem

- Missed collections, thousands of complaints from Waste Management (WM) service areas
- Labour shortage
 - WM, OK Environmental Waste Systems and other haulers
- Need to re-tender
 - Need for new equipment

Background - Research

- Lit review
- Local and out-of-town haulers
- Other jurisdictions throughout Canada and US
 - contracted and municipality-supplied service



Background - Research

- Suppliers
- CH2MHill business case analysis
- Pilot project



Research – Pilot Project

- 505 homes
- 4 months
- Potential problems
 - Narrow lane-ways
 - Multi-family
 - Long drive-ways (rural)
 - Different socio-economic communities



Research – Pilot Project

- Volunteer info teams
- Only one non-participant
- Only one complaint from participants
- Pre and post-surveys
 - 94% strongly supported
 - 2% supported
 - 3% neutral
 - 1% did not support



Program Development

- 6 jurisdictions
 - City of Kelowna, Regional District, Districts of Westside, Peachland and Lake Country and Westbank First Nation
- 2^{1/2} years to plan and implement
 - Local government
 - Time needed to purchase equipment



Process

- Separate contracts for jurisdictions
- Separate service contracts
 - Collection and cart delivery RFP
 - Cart RFP
 - Processing RFP
- GSPF funding application



Program

- Weekly garbage collection
- Bi-weekly commingled recyclables collection
- Bi-weekly yard waste collection
- 3 sizes of carts to chose from



Costs

- Increased yard waste service
- Operation costs lower for City of Kelowna
 - Was \$86/yr/hhld
 - Now \$82/yr/hhld
- Carts will be \$25/yr/hhld
- Comparison with other jurisdictions



Advantages of Automated Systems

- Fewer employees
- Eliminates gender and age bias
 - Life-long careers, larger labour pool
- Reduced WCB and sick leave
- Smaller fleet of trucks
 - Reduced fuel consumption
 - Less road wear and reduced accident risk



Advantages of Automated Systems

- Collects more recyclables and less garbage
- Higher customer satisfaction
- No need to purchase plastics waste bags
 - Residents save \$30-50/yr
 - Less plastic in landfills, recyclables and yard waste



Questions

