

Memo



Date: November 3rdⁿ 2010
To: City Manager
From: Utility Services Manager
File: Solid Waste Reduction
Subject: Solid Waste Reduction Program Update

Recommendation:

THAT Council receive, for information, the Report from the Utility Services Manager dated November 3, 2010 with respect to the Trash-to-Treasure program alternatives held in 2010, an update on the overall solid waste reduction program performance for Kelowna and the Region, and the Report from the Regional District of Central Okanagan's Regional Waste Reduction Office dated November 5, 2010 with respect to Regional Waste Reduction Programs.

Purpose:

The purpose of this report is to provide council with an update on 2010 waste reduction and waste reuse alternatives and events that have occurred in the community; and to provide an update on the status of overall waste reduction programs in Kelowna and the Region.

Background:

Multiple Reuse Events Planning Update

In March of this year, Council approved a recommendation by staff to not hold a Trash to Treasure event on the understanding that multiple reuse events would be planned and held in 2010. These would include:

- 1) A reuse event that targeted goods that are not typically considered as reusable
- 2) A waste reduction week community Yard Sale
- 3) Linking reuse groups with specific types of waste that is mutually beneficial

This past spring the waste reduction technical advisory group provided input to the RDCO Waste Reduction Office (WRO) staff to assist in the planning and development of a series of events to address the reuse and recycle of goods in our community and the Region. The WRO received a budget approval of \$20,000 for this initiative. A number of key initiatives were planned for 2010 including:



- Two Waste Reduction Week reuse events
- Community Yard Sale (October 23rd)
- Reuse Event at Kelowna Art Gallery (October 24th)
- Launch the year-round household hazardous waste depot (Oct 31st which received Regional Board approval on September 9th)
- Final one day Household Hazardous Waste collection (October 16th)
- Attend numerous community events to promote waste reduction initiatives including hazardous waste collection, reuse events, and waste reduction.
- Second waste composition study at the Glenmore Landfill (November)
- Complete Illegal dumping inventory and prevention plan
- Finalize the 2011 Living Greener Calendar
- Southern Interior Waste Managers Association Conference at Manteo Resort (October 27-29)
- Finalize plan and begin initial phase of commercial sector waste reduction and recycling program

Overall Waste Reduction Program Results January - July 2010

Region-wide total waste landfilled, residential recyclables collected, residential curbside yard waste collected, and 360-litre yard waste carts distributed for the first six months of 2008, 2009 and 2010.

| | Total Landfilled (metric tonnes) | Residential Recyclables (metric tonnes) | Curbside Yard Waste (metric tonnes) | 360 litre yard waste carts distributed. |
|------|----------------------------------|---|-------------------------------------|---|
| 2008 | 94,467 | 6,244 | 1,736 | n/a |
| 2009 | 75,618 | 5,552 | 3,323 | 84 |
| 2010 | 70,549 | 5,992 | 5,788 | 1,847 |

- Completed residential yard waste collection service survey and presented to all member municipalities. Results indicate the majority of residents are satisfied with the program
- Completed the first of two waste composition studies at the Glenmore Landfill
- Completed 47 school presentations on Waste Reduction
- Responded to more than 4,000 enquires from the public, media, and other government agencies
- Coordinated more than 1,800 volunteers and the removal of seven vehicles from Deep Creek in Peachland during Community Cleanup month
- Coordinated the clean-up of 25 illegal dump site
- Sold 875 backyard composters at the 4th annual composter sale

Initiatives Planned for 2011 (subject to budget approval)

- Instituting the final phases of commercial sector waste reduction and recycling which involve enforcing landfill bans and tipping fee surcharges, monitoring load composition, and assisting the commercial and multi-family sector with developing waste reduction and recycling plans
- Implement complete RFID system
- Education professional to develop a strategy for waste reduction education
- Implement paper reduction plan (distribution is limited to subscribers)
- Subscription to Living Greener Calendar
- Implement illegal dumping prevention strategy

Internal Circulation: Director of Community and Media Relations
Regional Waste Reduction Program Coordinator
Solid Waste Supervisor

Considerations not applicable to this report:

Legal/Statutory Authority N/A
Legal/statutory Procedural Requirements N/A
Existing Policy N/A
Financial/Budgetary Considerations N/A
Personnel Implications N/A
External Agency/Public Comments N/A
Communications Considerations N/A
Alternate Recommendation N/A

Report prepared by:



Don Degen, Utility Services Manager

Approved for Inclusion:



Joe Creron Director Civic Operations



WASTE REDUCTION REPORT

From: Peter Rotheisler, M.Sc., P.Ag.
 Manager – Waste Reduction
 Regional Waste Reduction Office

Date: November 5, 2010

Re: Report on Regional Waste Reduction Programs

Purpose:

To ensure RDCO member municipality councils are regularly updated and provided an opportunity to comment on key Waste Reduction program results and plans.

Key program results from the first six months of 2010:

The table below presents total waste landfilled, residential recyclables collected, residential curbside yard waste collected, and 360-litre yard waste carts distributed for the first six months of 2008, 2009 and 2010 for the entire Central Okanagan.

| | Total Landfilled (metric tonnes) | Residential Recyclables (metric tonnes) | Curbside Yard Waste (metric tonnes) | 360 litre yard waste carts distributed. |
|-------------|--|---|---|--|
| 2008 | 94,467 | 6,244 | 1,736 | n/a |
| 2009 | 75,618 | 5,552 | 3,323 | 84 |
| 2010 | 70,549 | 5,992 | 5,788 | 1,847 |

- Completed residential yard waste collection service survey and presented to all member municipalities. Results indicate the majority of residents are satisfied with the program.
- Completed the first of two waste composition studies at the Glenmore Landfill.
- Completed 47 school presentations.
- Responded to more than 4,000 enquires from the public, media, and other government agencies.
- Coordinated more than 1,800 volunteers and the removal of seven vehicles from Deep Creek in Peachland during Community Cleanup month.
- Coordinated the clean-up of 25 illegal dump sites.
- Sold 875 backyard composters at the 4th annual composter sale.

Key plans for the last six months of 2010:

- Two Waste Reduction Week reuse events:
 - Community Yard Sale (October 23rd)
 - Reuse Event at Kelowna Art Gallery (October 24th)
- Launch the year-round household hazardous waste depot at The Battery Doctors (received Regional Board approval on September 9th)

- Final one day Household Hazardous Waste collection (October 16th)
- Attending numerous community events to promote waste reduction initiatives include hazardous waste collection, reuse events, and waste reduction.
- Second waste composition study at the Glenmore Landfill (November)
- Complete Illegal dumping inventory and prevention plan.
- Finalize the 2011 Living Greener Calendar.
- Southern Interior Waste Managers Association Conference at Manteo Resort (October 27-29)
- Finalize plan and begin initial phase of commercial sector waste reduction and recycling program.

Looking forward to 2011 (pending necessary approvals):

- Institute final phases of commercial sector waste reduction and recycling program, which involve enforcing landfill bans and tipping fee surcharges, monitoring load composition, and assisting the commercial and multi-family sector with developing waste reduction and recycling plans.
- Complete RFID.
- Education professional to develop a strategy for waste reduction education.
- Implement paper reduction plan (distribution is limited to subscribers).
 - Subscription to Living Greener Calendar
- Implement illegal dumping cleanup and prevention strategy.



Peter Rotheisler, M.Sc., P.Ag.

Manager – Waste Reduction



REGIONAL WASTE REDUCTION OFFICE REPORT

January to June, 2010



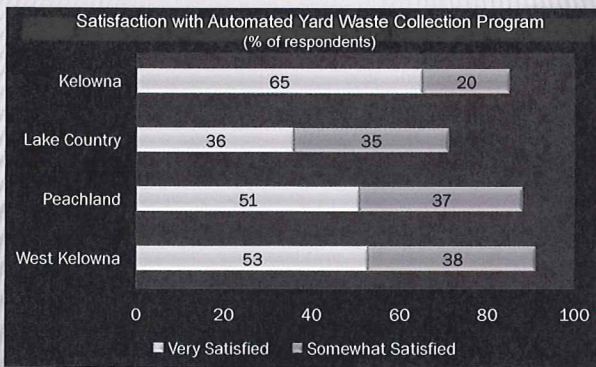
Key data:

2010 data indicates that the new curbside collection system is partially responsible for positive results.

- Reduction in garbage capacity
- Increased yard waste service
- Residents presented with three choices when they are disposing of waste.

| | Total Landfilled (metric tonnes) | Residential Recyclables (metric tonnes) | Curbside Yard Waste (metric tonnes) | 360 litre yard waste carts distributed. |
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| 2008 | 94,467 | 6,244 | 1,736 | n/a |
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Yard waste survey results



Note: Remainder are neutral, somewhat dissatisfied, and very dissatisfied

Waste Composition Study - Glenmore Landfill



Community Cleanup

- Peachland Abandoned Car Clean-up
- Extracted seven cars from Deep Creek

