

**Shout it
from the
Mountain
Tops**



“Tackling the Mountain”

City of Regina



REGINA

Infinite Horizons

Late Breaking News



City Council Meeting - March 22, 2010:

- City Council adopts Waste Plan Regina's Residential Option #2 – Enhanced Services
- City Council adopts Waste Plan Regina's IC&I and C&D Option #2 – Extended Services

What does that mean for Regina...

- ✓ **Curbside Recycling,**
 - ✓ **Season yard waste collection**
- ✓ **Bulky Item Collection**
- ✓ **HHW Depot**
- ✓ **Differential Tipping Fees**

We have a long road ahead of us...

...But how did we get to this point



- City Statistics
- Current Operations
- Reason for Waste Plan Regina
- Waste Plan Regina Process

Solid Waste Management in Regina

- City population – 195,000
- Waste Collection
 - 63,000 single dwelling households = 63,000 tonnes (2009)
- Waste Disposal
 - 585,682 tonnes in 2009
 - 43% is clean soil
 - 388,282 tonnes ends up on hill

Recycled at Landfill

- 86,858 tonnes concrete/asphalt
- 1063 tonnes of tree waste
- 434 tonnes of wood waste
- 765 tonnes of metal

Gas Plant

- Gas Plant at landfill
- 30 vertical wells
- Gas is flared currently

Landfill Expansion

- Current landfill to be closed this year
- Three phase construction plan

Centralized Composting - Pilot

- This pilot project generates an estimated 2,100 tonnes of compost a year.
- Waste from sewage sludge, agriculture and private landscapers

Waste Minimization - 2009

- **Big Blue Bins** – 4870 tonnes of paper product (17 trees a tonne = 82,794 trees)
- **Tinsel Mulch** = 2626 trees were mulched
- **Backyard Composting** = est 2200-2400 tonnes
- **Tin Bins** = 68 tonnes

Big Blue Bin Depot
– 15 locations/ 21 bins



**Tinsel Mulch
Recycling Program**

Waste Plan Regina

www.regina.ca



City of Regina's Vision

Imagine Regina 2020
Canada's most...
Vibrant,
Inclusive,
Attractive,
Sustainable community...
Where people live in Harmony
And Thrive in opportunity.





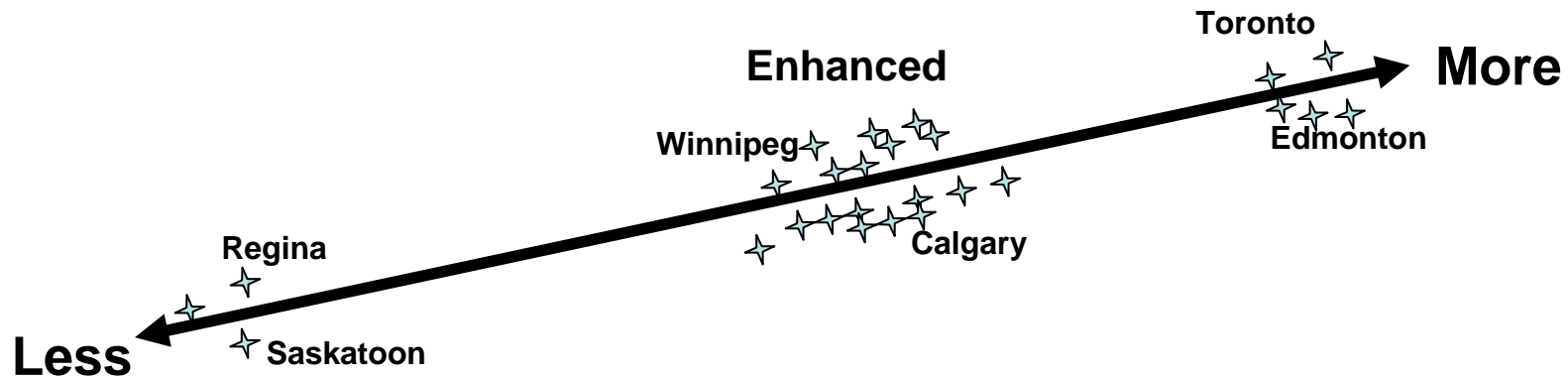
Waste management as a Core Service

- Waste Management is a Core Municipal Service that impacts the community (households and businesses) by:
 - maintaining public health
 - protecting the environment
 - providing programs and services to customers



National Waste Practises

- National advances in 20 years;
 - Higher levels of residential service (recycling)
 - Greater variety of funding sources



- Last waste plan completed 1999
 - Status quo with excellent garbage services and minimal recycling.
- Changing community expectations around waste management and recycling
- A comprehensive WMP required to guide the City's services over the next 10 years.

Vision/Objective

- To ensure excellent public service to the community
- Identify practices and processes to collect, dispose and reduce/divert waste from residential, industrial, commercial and institutional owners;
- To balance program affordability with public acceptance and expectations; and
- Emphasize the “5Rs”: refuse, reduce, reuse, renew and recycle.

- SCOPE OF WPR
 - Review residential services
 - Review IC&I services/programs
 - Review C&D services/programs
 - Determine future direction for solid waste
- * Note: Detailed implementation plans and budget submissions are not within the scope

Planning Framework

- Creation of 120 service options
- Stakeholder meetings to narrow the options and package the options
- Three options service delivery models to consult with the public

Consultations were undertaken with various stakeholders;

- Internal Working Group
- General Public
 - open house, telephone survey, website, advertising, email list
- External Sectors (124 participants through 16 meetings)
 - Retail & Office Buildings
 - Education
 - Health
 - Waste Management Industry
 - Homebuilders
 - Restaurants and Food Services
 - Chamber of Commerce
 - Community Zone Boards
- Elected Officials



Formulate Service Level Options

- Consultations with four working groups to develop Service Level Options
- Consideration by Administration & Consultant of input received by working groups
- Development of “long list” of approx. 120 waste management and diversion service options
- Formulation of Waste Plan Regina Options, including:
 - **Developed three Service Level Options for Residential Sector (in addition to Status Quo),**
 - **Developed two Waste Diversion Packages for IC&I Sector**
 - **Developed two Waste Diversion Packages for C&D Sector**



Residential Service Delivery

Current Plus

Service Options:

- Curbside Garbage & Landfill Active promotion of Backyard composting
- Expanded Recycling Depots Leaf & Yard Waste Depots
- Christmas Tree Collection & Processing
- Household Hazardous Waste (HHW) events
- Additional Promotion and Education

Supporting Mechanisms:

- Promotion & Education
- Goods Exchange Events
- Customer Reward Program
- Voluntary Grasscycling

Current Plus

- Potential diversion – 16% to 20% (current 16% diversion)
- Cost - \$120 to \$140 /hhld/year (current \$110 /hhld/year)

Enhanced

Service Options:

- Curbside Garbage & Landfill
- Active Promotion of Backyard Composting
- Single Family Curbside Recycling
- Multi-Family Recycling
- Curbside Seasonal Leaf & Yard (+ Christmas Tree) collection
- Permanent HHW Facility (less frequent operation)
- Curbside Bulky/White Goods Collection

Supporting Mechanisms:

- Promotion & Education
- Goods Exchange Events
- Customer Reward Program
- Grass Ban
- Green Procurement Education
- Outreach Program
- User Pay for Garbage

Enhanced

- Potential Diversion – 30% to 40%
- Cost - \$220 to \$240 /hhld/year

Comprehensive

Service Options:

- Curbside Garbage & Landfill
- Single Family Curbside Recycling
- Multi-Family Recycling
- Curbside Bi-weekly Leaf & Yard (+ Christmas Tree) collection
- Curbside Food Waste Collection
- Permanent HHW Facility (more frequent operation)
- Curbside Bulky/White Goods Collection

Supporting Mechanisms:

- Promotion & Education
- Goods Exchange Events
- Customer Reward Program
- Grass Ban
- Green Procurement Education
- Outreach Program
- User Pay for Garbage
- Reduced Frequency of Garbage collection
- Mandatory Recycling

Comprehensive

- Potential Diversion – 50% to 65%
- Cost - \$280 to \$320/hhld/year

IC&I Waste Diversion

IC&I Basic:

- City-Based Green Procurement
- Promoting Green Procurement in other Sectors
- Voluntary Diversion at Special Events
- School Waste Diversion Programs
- Diversion Assistance Program
- IC&I Sector Working Group
- Market Development

IC&I Extended:

Basic
+

- Voluntary LEED/BOMA Best Certification
- Voluntary Take Back
- Voluntary Food Waste
- Differential Tipping Fee (premium and discounted fees)
- Landfill Bans

Items for Future Consideration:

- Landfill Permits for Waste Haulers and Recyclers
- Mandatory IC&I Waste Audits and Waste Reduction Plans
- Mandatory Recycling (covered under landfill bans)
- Packaging Bans

C&D Waste Diversion Packages

C&D Basic:

- Green Building Technical Assistance
- C&D Sector Working Group
- Market Development
- Differential Tipping Fees

C&D Extended:

Basic

+

- C&D Material Recycling Facility (MRF)
- LEED for Municipal Buildings
- LEED Certification for Private Sector Developments
- Landfill Bans

Items for Future Consideration:

- Mandatory Recycling (covered under landfill bans)
- Landfill Permits for Waste Haulers and Recyclers
- Mandatory Waste Reduction Plans
- Mandatory C&D Recycling Targets
- Refundable Deposits on C&D Projects

Public Engagement

- September to December, 2009
- Multiple qualitative and quantitative tools used
 - Telephone survey to 1000 homes
 - 5 open houses with 151 residents attending
 - 570 web-based surveys completed
 - 408 sign-ups for updates
 - Displays at SIAST, UofR, City facilities
- 76 viewings of Mayor's video on YouTube
- Sector meeting with IC&I and C&D

Public Reaction

- Satisfied with current garbage service
- Dissatisfied with current recycling services
- Majority prefer moving to Enhanced service
- Many concerned about cost
- Little to no comment on ICI or C&D material
- Desire for more information and detail
- Desire to know the benefits of the change –
“what’s in it for me”

- Increase service to the residential sector to the **Enhanced** level
- Key features
 - Property line garbage collection/disposal (CURRENT)
 - Backyard composting promotion (CURRENT)
 - Seasonal organics collection (EXPANDED)
 - Property line recycling (NEW)
 - Multi-family recycling (NEW)
 - Bulky goods collection (NEW)
 - Permanent HHW facility (NEW)

- Implement increased control of IC&I and C&D waste to the Extended level.
- Key features
 - Ongoing engagement with industry (working groups)
 - Facilitation of solutions; market development
 - Education
 - Municipal standards
 - Promote/reward voluntary actions
 - Differential tipping fees
 - Landfill bans

- Figure out logistics – How, What, When
- IC&I and C&D planning during 2010.
 - Fall 2010 - initial implementation considered in 2011 budget development
 - January 2011 - significant change with new LF rates
 - Updates to PW Committee
- Residential planning during 2010
 - Fall 2010 - public engagement on program details
 - Fall 2010 - initial implementation considered in 2011 budget development
 - Multi-year roll out of property line recycling component

- Clear Messaging
 - Consistent message – through process, all staff
- Working with Communications
 - They may change messages
- Check the timing of open houses and announcements
- Ask yourself, what is really needed for Public Involvement
 - Especially when finances are involved

More Lessons Learned

- Have a really good reason in house as to why you are doing this – diversion rates, landfill space?
- Figure out the big picture first and what your end goals are - targets
- Answer the harder questions before the Public asks you – makes you look better
 - Good idea on costs
 - Good idea on how it will be handled
 - Good idea on what materials to be recycled

Questions

Comments

Discussion

