

CURBSIDE ORGANICS COLLECTION IN SMALLER COMMUNITIES

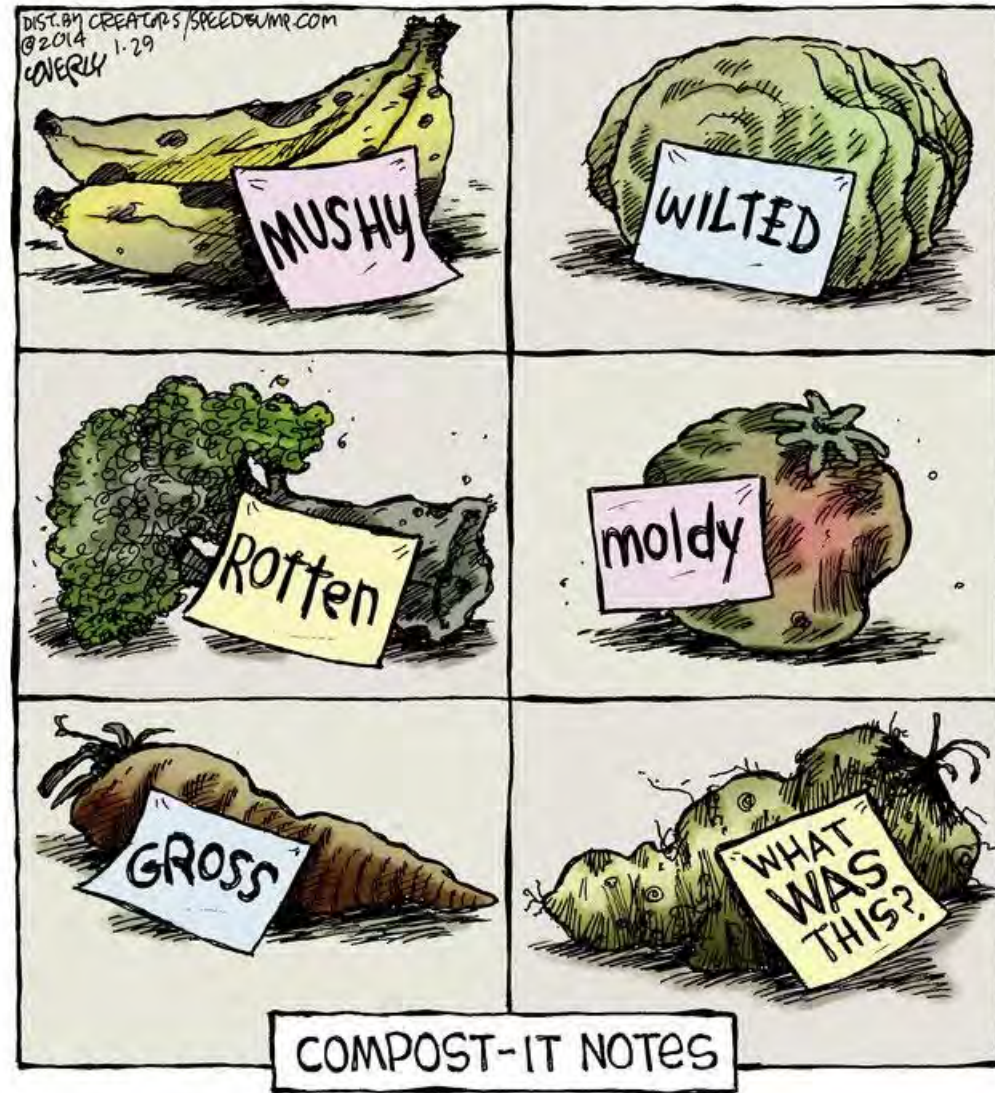
Best Practices & Some Lessons Learned



SWANA Northern Lights Chapter
Annual Conference
Yellowknife NWT
June 15, 2023

Agenda

- BC Context
- Best Practices
- Two Recent Programs
- Some Lessons Learned



BC CONTEXT

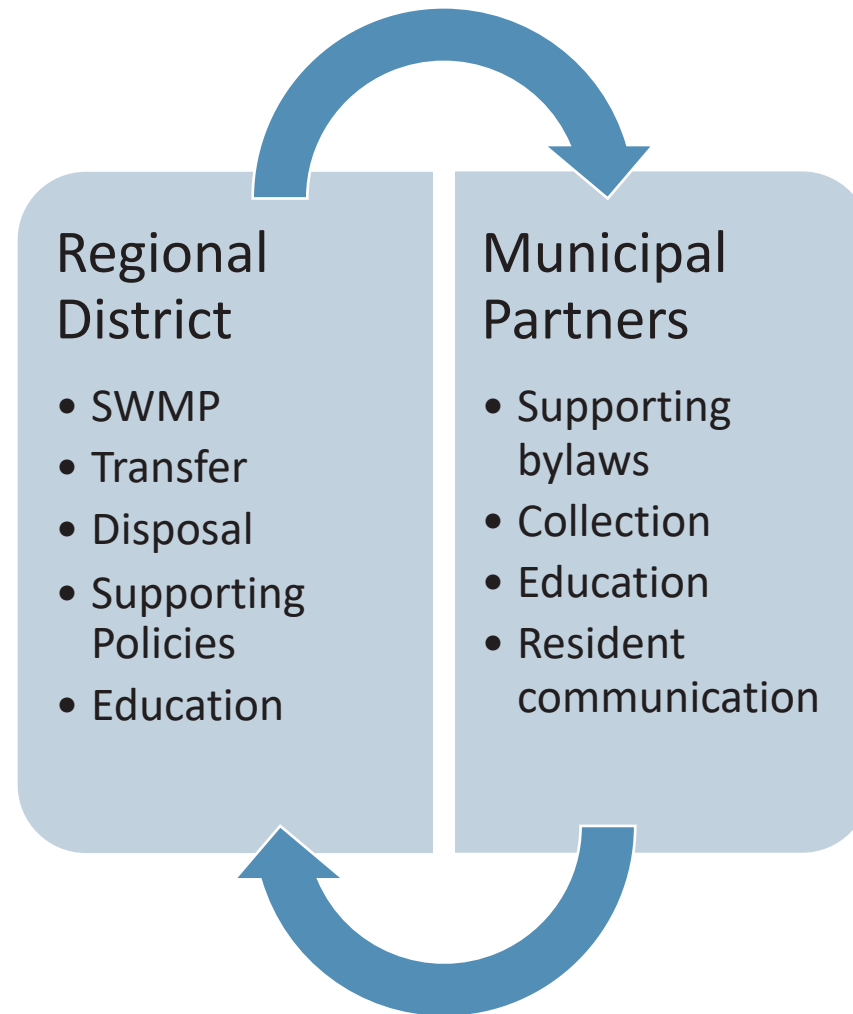


BC Context

- 27 Regional Districts
- 5.3 M population
- Over 80 % live in regions with organic disposal restrictions
- Organics disposal alternatives include curbside collection
- Large & small communities



Roles & Responsibilities for Solid Waste Management



Why collect organics?



Reduce GHG emissions



Save landfill capacity



Reduce leachate impacts



Better use of material



Value added



Circular economy



Contributes to a healthier environment

Diversion Strategies & Collection Program Design Experience



What do we mean by organics?

Food Waste

- Backyard Compostable
 - fruits, vegetables
- Backyard Non-compostable
 - Meat, bones, breads, non-liquid dairy, fats, food soiled paper

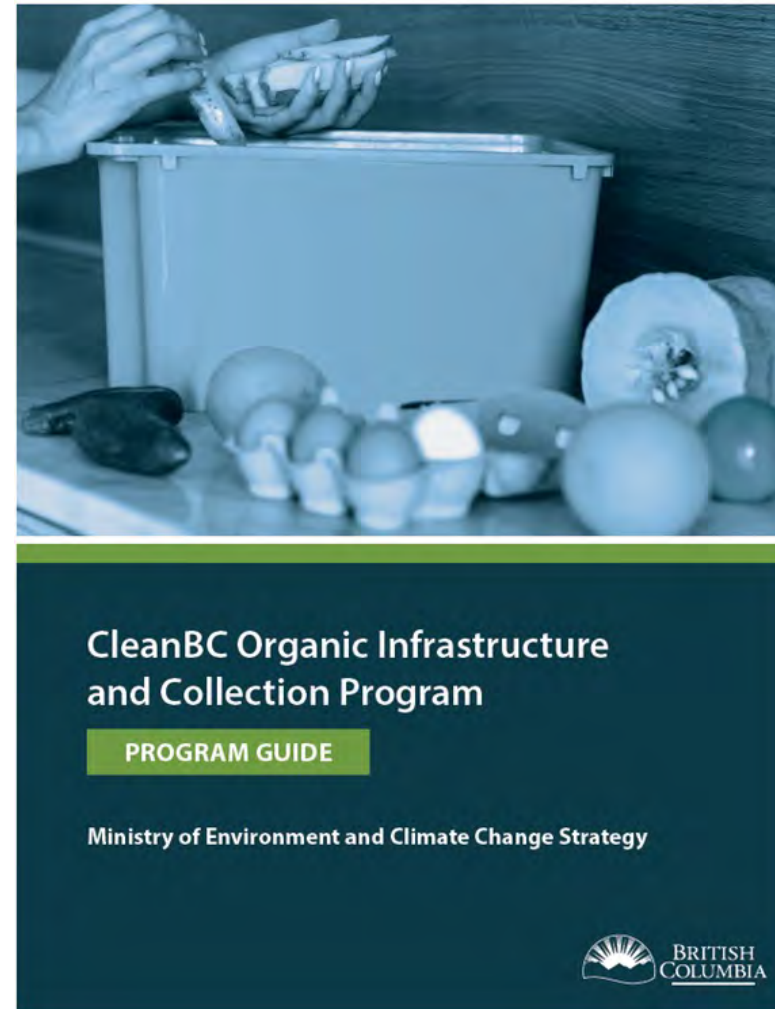
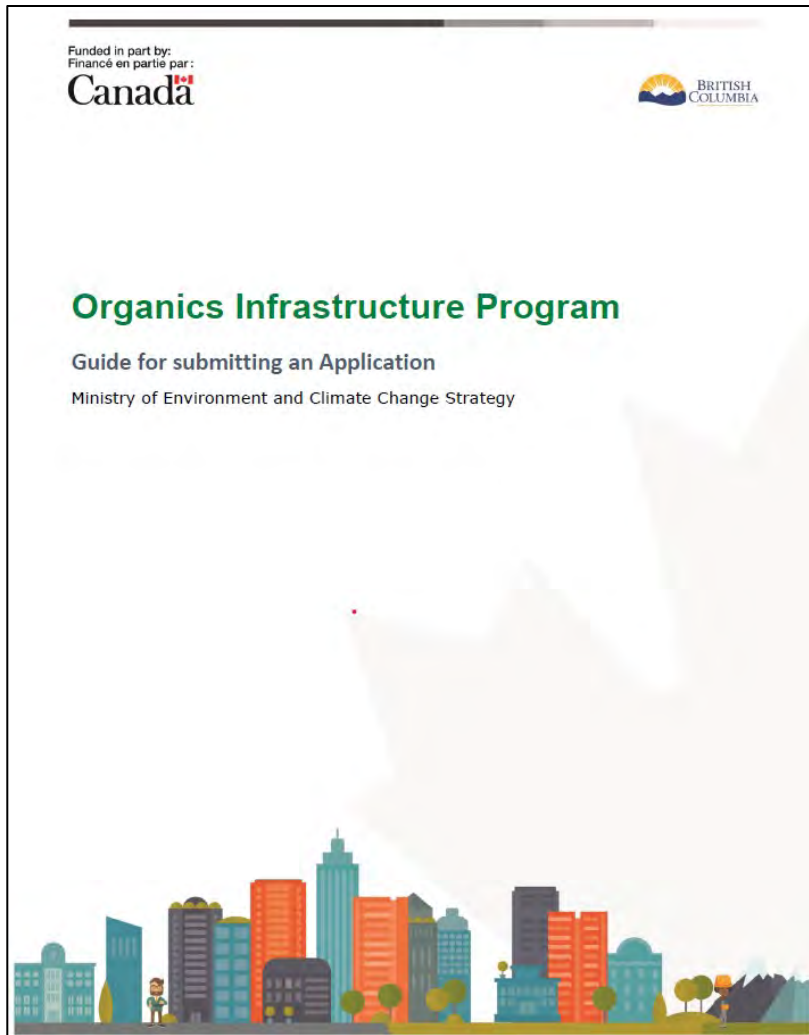


Yard & Garden Waste

- Small yard waste
 - Leaves, branches, grass clippings



Show me the money!



Funding recipient	Project name (s)
Bowen Island Municipality	On-Island Compost Facility
City of Campbell River	Automated Curbside Collection for Garbage, Recycling and Organics
City of Fernie	City of Fernie Organics Collection Program
City of Kamloops	City of Kamloops Curbside Organics Collection Program
City of Kimberley	Kimberley Curbside Organics Collection
City of Powell River	Organics Curbside Collection
City of Vernon	City of Vernon Household Organics Collection Program
Cowichan Valley Regional District	Universal Curbside Service
District of Invermere	District of Invermere's Curbside Organics
District of Kitimat	Kitimat Curbside Organics Collection Program
District of Summerland	Summerland Residential Organic Waste Collection Project
Esk'etemc	Esk'etemc Community Composting System and Collection Program
Fraser Valley Regional District	Boston Bar / North Bend Composting Operation
Gitxaala First Nation	Gitxaala First Nation Community Composting System
Kitasoo Xai'xais Nation	Kitasoo Xai'xais Nation Community Composting System and Organics Collection Program
Regional District of Central Kootenay	Regional District of Central Kootenay Residential Curbside Organics Collection Partnership
Regional District of Kootenay Boundary	McKelvey Creek Watershed Curbside Collection Green Bin Project
Regional District of Okanagan Similkameen	RDOS Residential Food Waste Collection
Regional District of Nanaimo	Convertus Facility Upgrade (formerly known as Circular Waste BC)
Salt Spring Island	Salt Spring Island Composting Project
Town of Comox	Residential Curbside Organic Waste Collection
Town of Oliver	Town of Oliver Residential Food Waste Collection
Village of Lumby	Lumby Food Waste Collection Program

- ✓ OICP funding supports the total investment of \$38.85 million -
- building new and
 - expanding existing organic waste processing facilities, and
 - residential household organics collection programs.

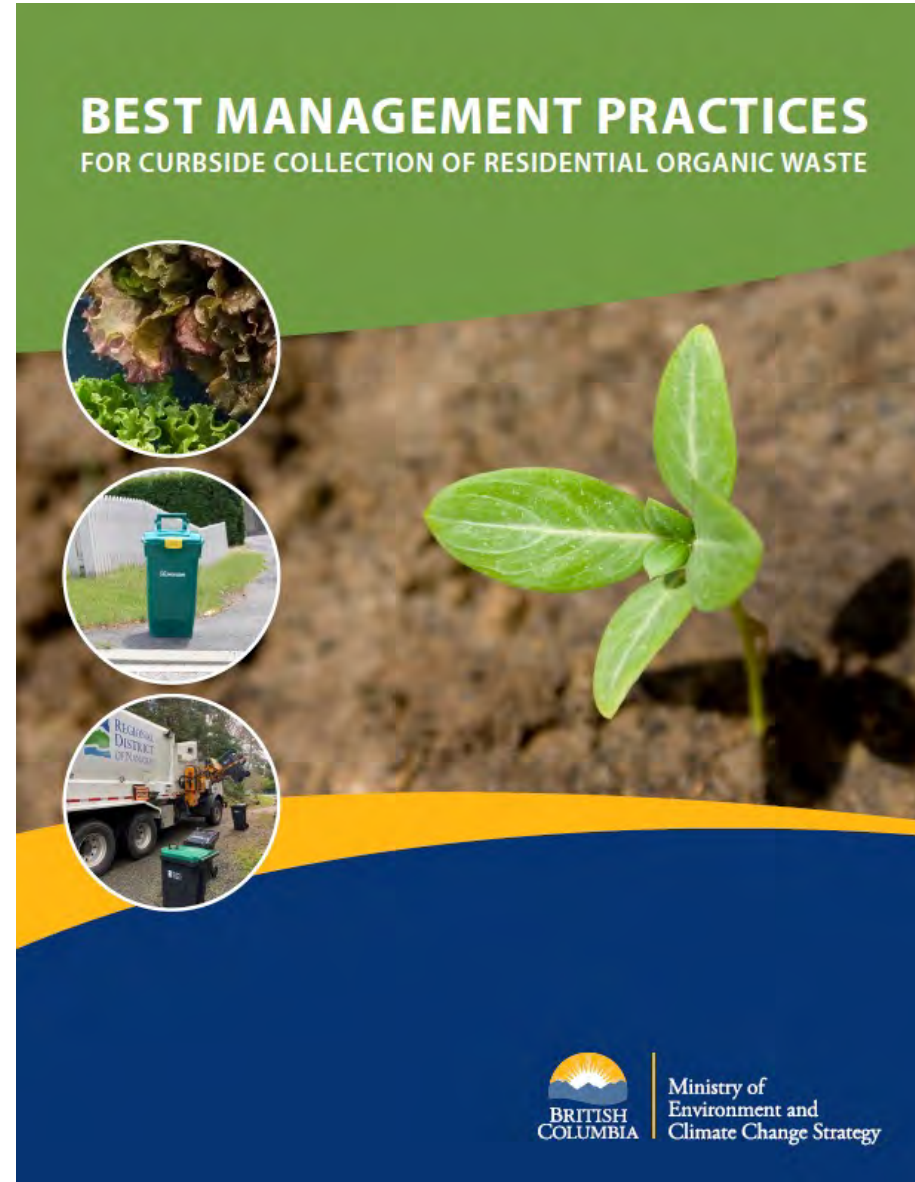
- ✓ The B.C. government contributed \$25.9 million to fund up to 66% of eligible project costs of the successful projects.

BEST PRACTICES



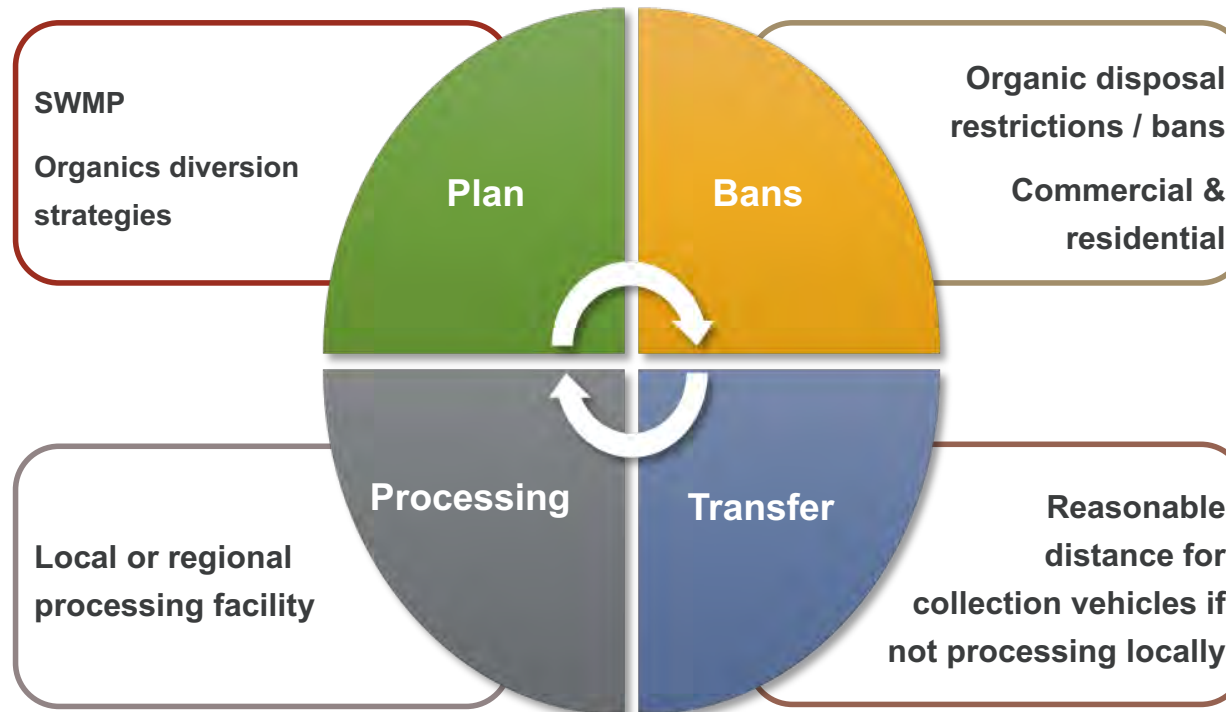
BMP Guide

- Developed in 2021
- Scalable
- BC Ministry website
 - Download it
 - It's free
 - It's practical
 - It has real world examples, checklists & templates



Conditions required for Success

- Alignment with Plans
- Presence of Disposal Bans or Restrictions
- Access to Transfer/Processing Facilities



So many questions



How much do you expect to collect?

What will your new program look like?

- Will it be convenient?
- Will it be sustainable?
- Will be effective & efficient?

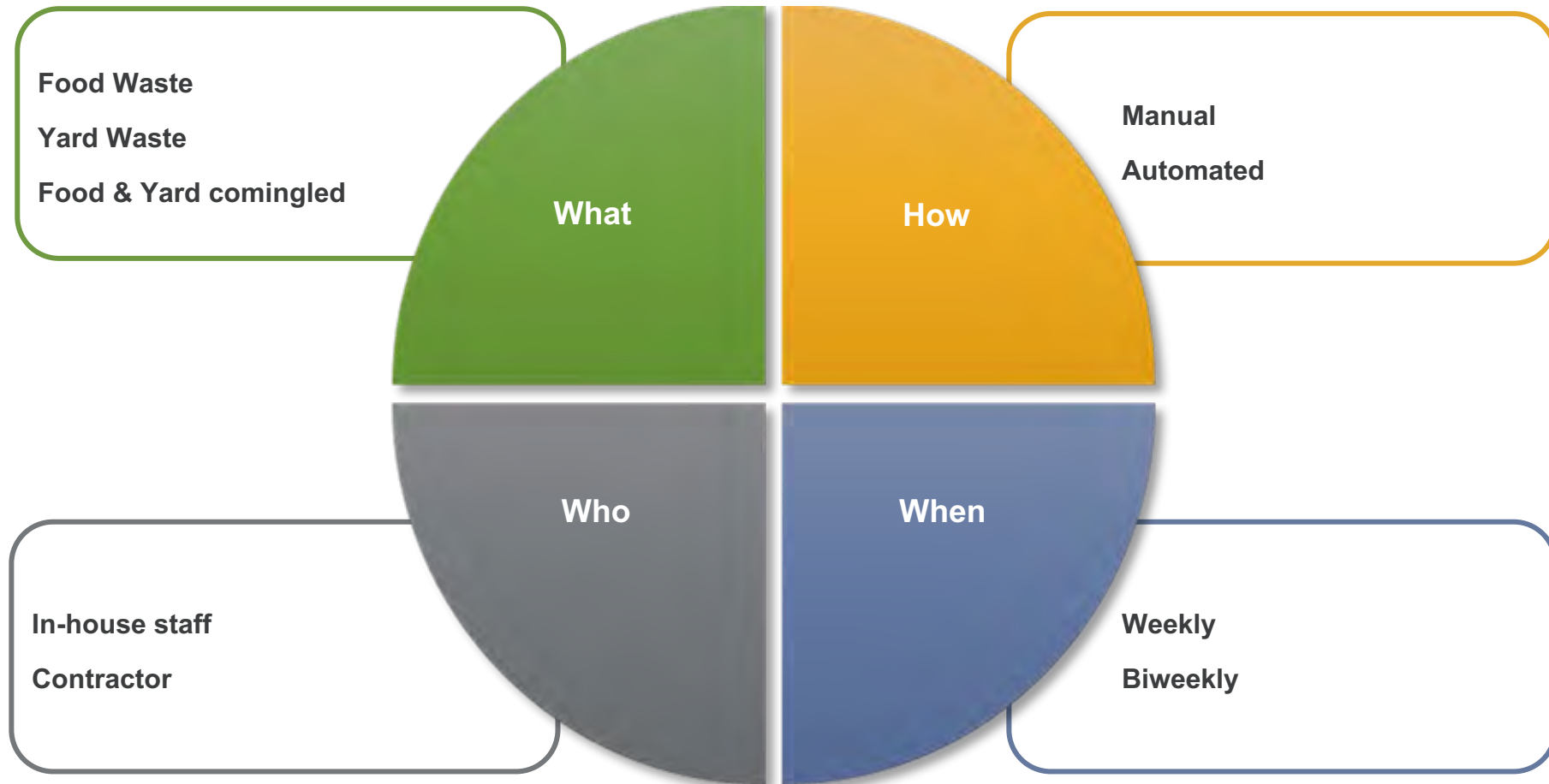
What will you collect?

From whom will you collect?

What will it cost?

How will you pay for it?

Designing a new program



Procurement



ContractStore

Waste Disposal
Contract



A225



Program Support



Left Behind
— FOOD WASTE

WAY LESS WASTE
Simply Sort-it.

Oops! We didn't pick up your food waste today because:

- Contamination**
 - Please ensure that only food waste or cut flowers are placed in the green bin.
- Contained unacceptable materials**
 - Animal feces, bedding, or litter
 - Biodegradable or plastic bags
 - please only use bags marked compostable
- Too heavy / too large**
 - Please ensure each container weighs no more than 23kg/50lb and is no larger than 57 litres.
- Other:** _____



Thanks for producing Way Less Waste!

For more information on what is accepted and what is not, download the Recycle Coach app, visit:

www.kitimat.ca/WayLessWaste
or call Geier Waste at (250) 632-4689



IT'S GO TIME

Two recent program launches



District of Kitimat

- 8,200 population
- 3,400 homes
- Distribution and snow!
- January 4 first collection day. At least it won't smell!



Food Waste Collection Begins January 4th!

ALL FOOD WASTE BINS AND KITCHEN CATCHERS HAVE NOW BEEN DELIVERED

If we missed you, contact us to arrange delivery.

2022 COLLECTION CALENDARS HAVE BEEN MAILED OUT TO ALL HOUSEHOLDS

Calendars are also available on our website. Download the Recycle Coach app to sign up for collection day reminders and sorting information.



cleanBC
our nature. our power. our future.



For more information, visit:

www.Kitimat.ca/WayLessWaste



Prior to January 2022

- 6 cans garbage & bagged yard waste weekly

From January 4, 2022

- Weekly food waste collection
- Seasonal (nine-month) yard waste collection
- Bi-weekly curbside recycling collection
- Bi-weekly garbage collection (3-can limit)



Town of Creston

- 5,500 population
- 2,600 homes
- Extensive engagement & consultation in 18 months prior

ATTENTION CRESTON RESIDENTS!



New Residential Curbside Collection Program starting June 21st, 2022

 <p>GARBAGE COLLECTION BI-WEEKLY</p>	 <p>RECYCLING COLLECTION BI-WEEKLY</p>	 <p>FOOD WASTE COLLECTION WEEKLY</p>
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Garbage, recycling, kitchen scraps, yard waste... the Town plays a central role in how local households manage waste. Public consultation and conversations with community members inspired us to work towards a more convenient, accessible, and sustainable Curbside Collection Service. We are proud to announce the new service will be starting in June!

CRESTON VALLEY
TOWN of CRESTON

Prior to June 2022

- 2 cans garbage weekly

From June 2022

- Weekly food waste collection
- Bi-weekly curbside recycling collection
- Bi-weekly garbage collection (1 x 120L-can limit)



YOUR PARTICIPATION IS MAKING A DIFFERENCE!

2022 Curbside Collection Program Results (6 month period from July to Dec)

Garbage (Mixed Waste)
Collected (241.9T)

53.6%

Organic Food Waste
Collected (133.2T)

29.5%

Recyclable Material
Collected (75.8T)

16.8%

Total Material Diverted from landfill 46.3% (209T)

In 2022, landfill cost savings resulting from curbside organic and recycling diversion options was \$14,999.
Creston's Diversion Goal is 60%. Let's keep working towards additional savings!

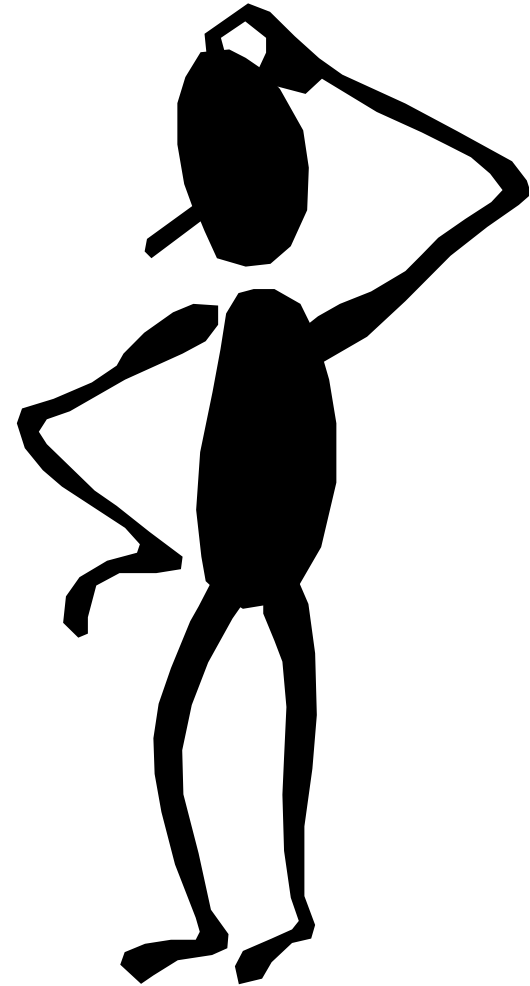
SOME LESSONS LEARNED

With the scars to prove it



Lessons (it's a long list)

- Organics diversion is NOT an EPR program
 - *So that means.....what exactly?*
- Create a Plan of Attack
 - *How do you eat an elephant?
One bite at a time!*
- Know what you don't know
 - *Then go find out the answers*

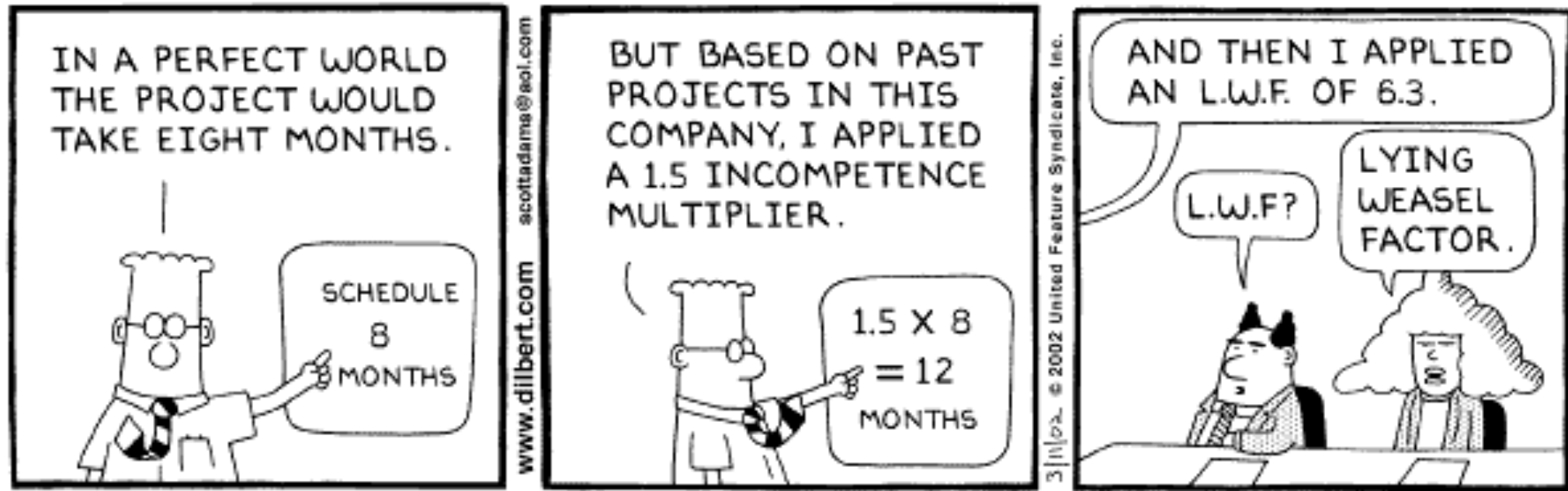


Lessons Learned (cont'd)

- Be realistic about capacity and resources
 - *How many hats are being worn?*
 - *It probably isn't a side-of-the-desk project*
- Find champions and allies
 - *They are awesome*
- Pilot projects (CBSM model)
 - *If you can swing it, they can be very worthwhile*



We want to avoid this!



- !! Optimistic timeframes can be hard to meet
- !! Trickle down effect of delays & disruptions

“I love deadlines. I love the whooshing noise they make as they go by.” Douglas Adams

COW242-20

materials and to pledge the City's commitment to begin curbside organics collection by April 2022.

Moved, and
RECOMMENDED:

THAT Castlegar Council support the Regional District of Central Kootenay submitting a grant funding application on behalf of the City of Castlegar's Organics Curbside Collection Program through the CleanBC Organics Infrastructure and Collection Program,

AND FURTHER;

THAT the Castlegar Council commits to funding the City's share of eligible and ineligible program costs and overages, and will provide evidence of secured funds from the use of reserve funds to the Regional District of Central Kootenay by January 26, 2021,

AND FURTHER;

THAT the Castlegar Council supports an Organics Curbside Collection Program in Castlegar and commits to having curbside collection of organics in place by April 2022.

CARRIED.



Curbside organics collection rolling out this summer in Castlegar

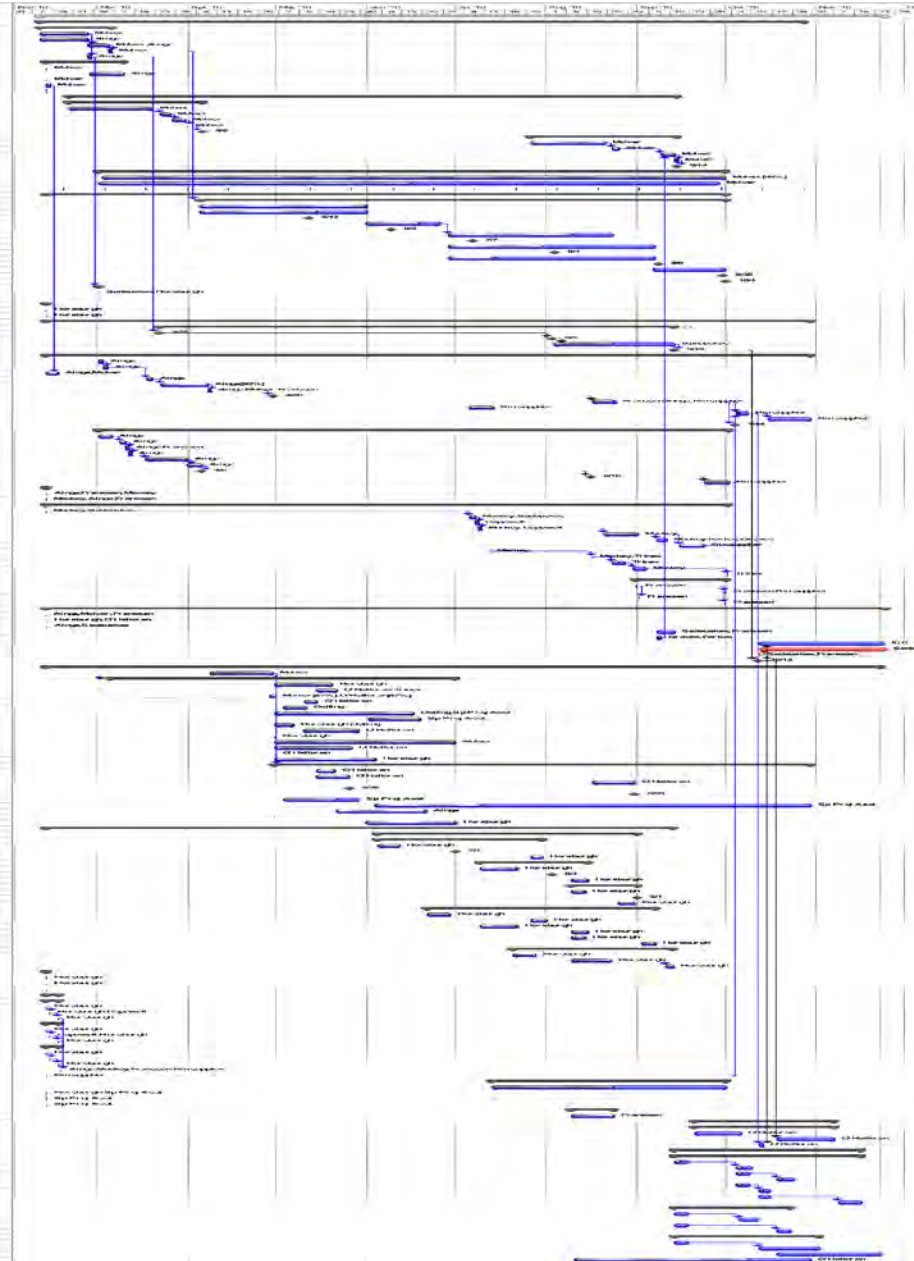
Organics collection will take place weekly

BETSY KLINE / Jun. 9, 2023 5:30 a.m. / LOCAL NEWS / NEWS

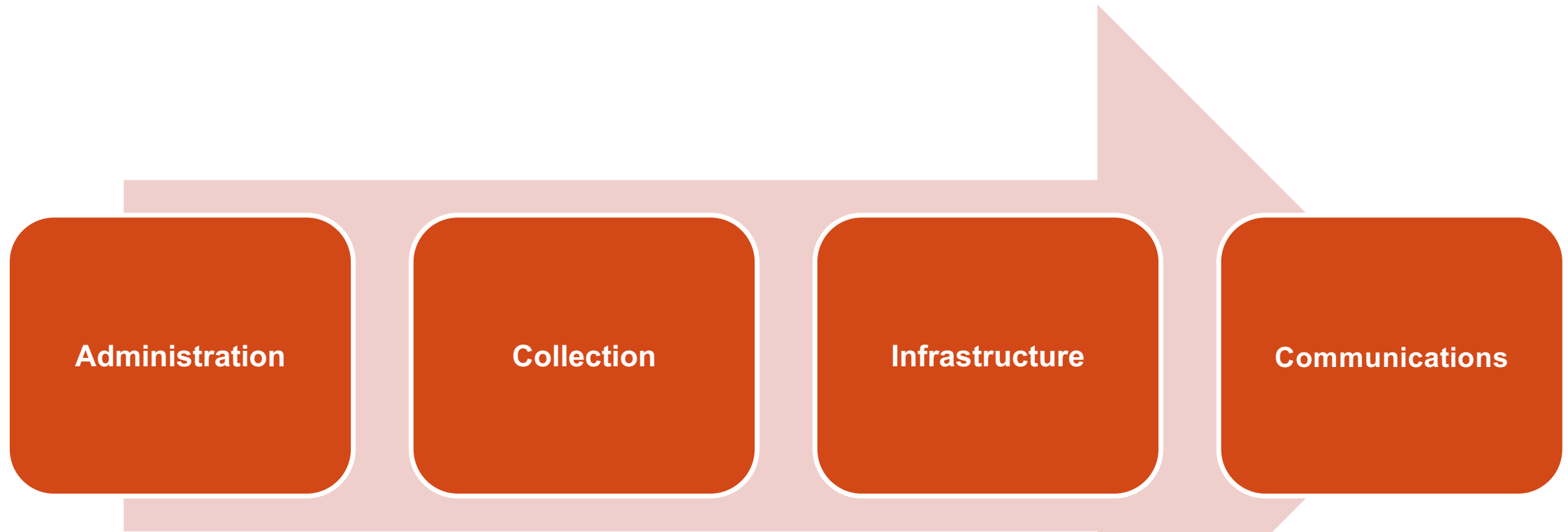
Planning Pain =>>> Project Gain

- MS Project, Gantt charts, lists, so many lists!

235 individual task items monitored and accomplished



A collaborative approach helps



Communicating

Change is challenging

- *Craft the message to explain “the why”*

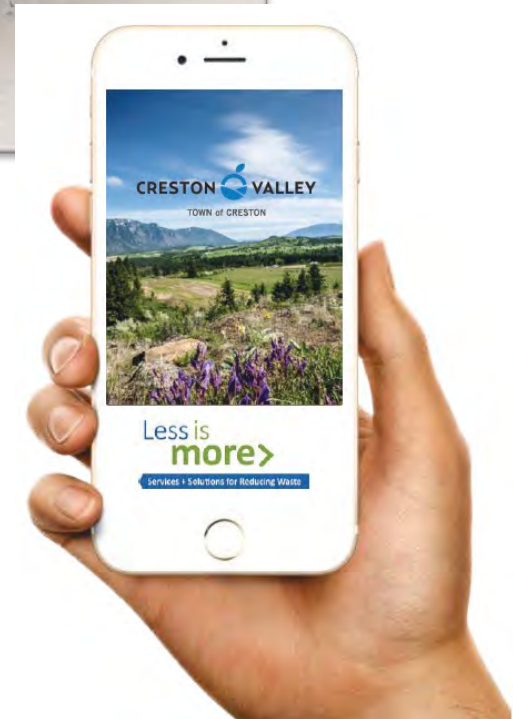
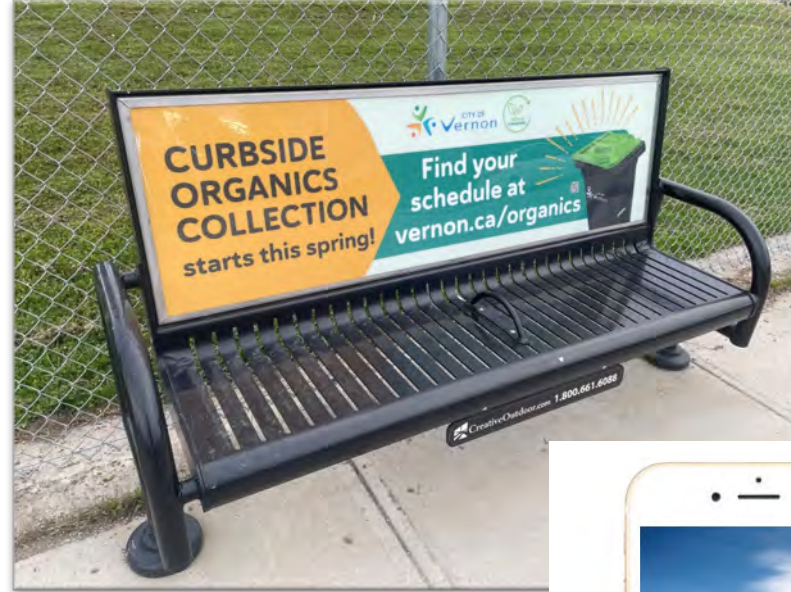
It's not just newspapers anymore

- *Involve your Communications people & social media savvy staff*
- *Use all tools available to you*

Hands-on offers opportunities to quell fears

- *Public events, fairs, markets, malls*
- *Staffed and unstaffed booths*





Don't underestimate the response



13 April 13, 2011



RDN
6300 Hammond Bay Rd.,
Nanaimo, B.C. V9T 6N2

Dear Sir or Madam:

I would like to congratulate you on wonderful re-cycling program you have established. As a senior citizen that is frequently embarrassed by by the inadvertent environmental damage my generation has caused it gives great pleasure to participate in your Garbage and Recycling Program.

I congratulate you on the fine service from that program. I stopped in your office and enquired about a "Green Bin" and while I was initially told by the clerk that there was nothing she could do I insisted and she then took my name and address.

The next morning a "Green Bin" full of information on its use and the fine collection and recycle program you have established was in my driveway. Somebody did a fine job.

Sincerely,



In closing

- Organics diversion requires commitment and planning
- There are resources and guides
 - BC Ministry of Environment “CleanBC Organics Infrastructure and Collection Program”
 - Best Management Practices For Curbside Collection of Residential Organics Waste
- It is becoming the norm
- Big or Small - we all stand to gain
- You will survive



THANK YOU



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