



Agenda

Call to Order

National Anthem

1.0 Additions to the Agenda

2.0 Adoption of Agenda

3.0 Corrections or Amendments:

3.1. February 17, 2016, Regular Meeting of Council Minutes 3-8

4.0 Adoption of:

4.1. February 17, 2016, Regular Meeting of Council Minutes

5.0 Delegations

5.1. Canadian Parks and Wilderness Society – Alison Ronson 9

5.2. Drayton Valley & District Family and Community Support Services – Home Support Program – Jennifer Fynn 10-11

6.0 Public Time

7.0 Decision Items Pages 12-14

7.1. Councillor Bossert	Waste Management Committee Terms of Reference	12-14
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8.0 Department Reports

8.1. Planning & Development	Shahid Mughal
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8.2. Engineering, Transportation & Sustainability	Ron Fraser
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8.3. Community Services & FCSS	Annette Driessen
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8.4. Emergency Services	Tom Thomson
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8.5. Administration

- | | |
|--------------------------------|---------------|
| • Communications and Marketing | Tyler Russell |
| • CAO Report | Dwight Dibben |

Regular Meeting of Council

March 9, 2016

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9.0 Council Reports

9.1. Councillor Long
9.2. Councillor Shular
9.3. Councillor Bossert
9.4. Councillor Fredrickson
9.5. Councillor Nadeau
9.6. Deputy Mayor Wheeler

10.0 Information Items

Pages 15-53

10.1. Childcare Operational Board Minutes November 2015	16-19
10.2. STAR Catholic Board Highlights February 2016	20
10.3. Town of Drayton Valley Residential Waste Sort Report – October 2015	21-38
10.4. Councillor Fredrickson Conference Report – Growing Rural Tourism	39-40
10.5. Councillor Wheeler Conference Report – FCM Sustainability Conference	41-51
10.6. Drayton Valley Brazeau County Fire Services – February Stats	52-53

11.0 Adjournment



Meeting Minutes

THOSE PRESENT:

Deputy Mayor Wheeler
Councillor Nadeau
Councillor Long
Councillor Shular
Councillor Bossert
Councillor Fredrickson
Dwight Dibben, Chief Administrative Officer
Annette Driessen, Director of Community Services
Ron Fraser, Director of Engineering & Planning
Tom Thomson, Director of Emergency Services
Chandra Dyck, Legislative Services Coordinator
Jenn Martin, Planning & Development Officer

Pam Balke, Bylaw Officer
Rita Bijeau, Executive Assistant
Tyler Russell, Communications & Marketing Coordinator
Laine Mitchell, CIBW Radio
Mamta Lulla, Drayton Valley Western Review
Members of the Public

ABSENT:

Mayor McLean
Kevin McMillan, Assistant Director of Corporate Services
Shahid Mughal, Planning & Development Manager
Eric Burton, Economic Development Officer

CALL TO ORDER

Deputy Mayor Wheeler called the meeting to order at 9:00 a.m.

1.0 Additions/Deletions to the Agenda

The following items were added to the Agenda:

- 7.6. Regional Agreement Municipal Preparedness Plan (RAMP)
- 8.5. Drayton Valley Brazeau County Fire Services – January 2016 Stats

2.0 Adoption of Agenda

RESOLUTION #025/16

Councillor Fredrickson moved to adopt the February 17, 2016, Regular Meeting of Council Agenda with additions.

CARRIED UNANIMOUSLY

3.0 Corrections or Amendments:

3.1. January 27, 2016, Regular Meeting of Council Minutes

Deputy Mayor Wheeler advised of an incorrect date under her report for the Physician Meeting which should read February 24th.

4.0 Adoption of:

4.1. January 27, 2016, Regular Meeting of Council Minutes

RESOLUTION #026/16

Councillor Bossert moved to adopt the January 27, 2016, Regular Meeting of Council Minutes as amended.

CARRIED UNANIMOUSLY

5.0 Delegations

5.1. Safari Club International Drayton Valley & Brazeau Bowbenders

Ms. JeanAnne Teliske and Mr. Leonard Claffey informed Council of the upcoming archery tournament on April 27-30, 2016, at the old Wellhouse Warehouse building. They explained that they will be applying for the Community Event Grant and are looking for volunteers.

5.2. S/Sgt. Callihoo – RCMP January Stats

S/Sgt. Callihoo presented Council with the statistics for January 2016. Councillor Nadeau inquired into the RCMPs responsibilities for securing businesses that have received damage due to criminal activity. S/Sgt. Callihoo explained that it is the landowners responsibility to secure their property.

6.0 Public Time

No comments were received.

7.0 Decision Items

7.1. Community Event Grant Applications – First Quarter Allocation

RESOLUTION #027/16

Councillor Shular moved that Town Council award the Pembina Nordic Ski Club “3rd Annual Eagle Point Loppet” a total of \$500.00 from the Community Event Grant.

CARRIED UNANIMOUSLY

RESOLUTION #028/16

Councillor Shular moved that Town Council award the Drayton Valley Figure Skating Club “61st Annual Broadway on Ice Show” a total of \$500.00 from the Community Event Grant.

CARRIED UNANIMOUSLY

RESOLUTION #029/16

Councillor Shular moved that Town Council award the Aim for Success “I AM MOTHER DAUGHTER CONFERENCE” a total of \$750.00 from the Community Event Grant.

CARRIED UNANIMOUSLY

Councillor Nadeau requested clarification that the rental costs of the Clean Energy Technology Centre would be in kind for the “I AM MOTHER DAUGHTER CONFERENCE”. Mr. Dibben confirmed his discussion with the COO that this would be the case.

RESOLUTION #030/16

Councillor Shular moved that Town Council award the Healthy Communities Coalition “Workplace Wellness Conference” a total of \$1,000.00 from the Community Event Grant.

CARRIED UNANIMOUSLY

RESOLUTION #031/16

Councillor Shular moved that Town Council award the Drayton Valley Minor Hockey “Peewee Provincial Tournament” a total of \$500.00 from the Community Event Grant.

CARRIED UNANIMOUSLY

RESOLUTION #032/16

Councillor Shular moved that Town Council award the Brazeau Gymnastics Club "Fun Day" a total of \$500.00 from the Community Event Grant

CARRIED UNANIMOUSLY

7.2. Youth Arts, Heritage and Culture Grant Application – First Quarter Allocation

RESOLUTION #033/16

Councillor Bossert moved that Town Council award the Frames Film Festival a total of \$1,000.00 from the Youth Arts, Heritage and Culture Grant.

RESOLUTION #034/16

Councillor Nadeau moved to amend the above motion to grant the Frames Film Festival the requested amount of \$1,250.00.

AMENDMENT DEFEATED

OPPOSED

Councillor Shular, Councillor Long, Councillor Fredrickson

RESOLUTION #033/16 CARRIED UNANIMOUSLY

7.3. Green Municipal Fund Grant Agreement – NetZero Study

RESOLUTION #035/16

Councillor Fredrickson moved that Town Council accept the contract agreement with the Federation of Canadian Municipalities for the Green Municipal Fund Grant.

CARRIED UNANIMOUSLY

7.4. Development Permit DV16-002, 5517-53 Ave

RESOLUTION #036/16

Councillor Nadeau moved that Council approve the Development Permit DV16-002 for an animal care facility at 5517-53 Avenue with the conditions recommended by Administration.

CARRIED UNANIMOUSLY

7.5. Repealing Bylaw 2016/01/A

RESOLUTION #037/16

Councillor Long moved that Council give First Reading to Bylaw 2016/01/A.

CARRIED UNANIMOUSLY

RESOLUTION #038/16

Councillor Long moved that Council give Second Reading to Bylaw 2016/01/A.

CARRIED UNANIMOUSLY

RESOLUTION #039/16

Councillor Long moved that Council consider giving Third and Final Reading to Bylaw 2016/01/A.

CARRIED UNANIMOUSLY

RESOLUTION #040/16

Councillor Long moved that Council give Third and Final Reading to Bylaw 2016/01/A.

CARRIED UNANIMOUSLY

7.6. Regional Agreement Municipal Awareness Plan (RAMP)

RESOLUTION #041/16

Councillor Shular moved that Council pass a resolution to approve the Regional Agreement Municipal Preparedness Plan (RAMP) and Agreement.

CARRIED UNANIMOUSLY

Deputy Mayor Wheeler called a break at 10:07 a.m.

Deputy Mayor Wheeler reconvened the meeting at 10:25 a.m.

8.0 Information Items

8.1.	Bylaw Year End Report 2015
8.2.	STAR Catholic Board Highlights January 2016
8.3.	Councillor Fredrickson Conference Report – Healthy Community Coalition
8.4.	RCMP January STATS
8.5.	Drayton Valley Brazeau County Fire Services – January 2016 Stats

RESOLUTION #042/16

Councillor Shular moved that Town Council accept the above items as information.

CARRIED UNANIMOUSLY

9.0 Department Reports

9.1. Planning & Development

Ms. Martin informed Council that there have been 11 permits issued, 3 new housing starts, and new development along 50th Avenue.

9.2. Engineering, Transportation & Sustainability

Mr. Fraser informed Council of the following updates:

- Electrical work for the bus hub and greenspace was awarded; and
- Submitted a Joint Alberta Community Partnership with Brazeau County for the Ring Road and trail connectivity projects; and
- Working with a consultant to finalize the traffic study.

Councillor Nadeau requested that the road going to Aurora Elementary School (45th) be looked at for repair.

9.3. Community Services & FCSS

Ms. Driessen advised of:

- Open Space Development Meeting on February 29th – looking for ways to incorporate art into the park;
- FCSS – Making Financial Cents; and
- Indoor Playground programming information is on the website.

9.4. Emergency Services

Fire Chief Thomson informed Council that Fire Services responded to 26 calls for the month of January, reminding people that falsely pulling a fire alarm may result in a fine.

Bylaw Report

Ms. Balke provided Council with the stats on Bylaw Enforcement, explaining that the report is useful to highlight the number of activities that others may not be aware of. Automated Traffic Enforcement has added stop sign and red light infractions to the services provided in Drayton Valley; the warning period is currently underway for those infractions.

9.5. Administration

- Legislative Services
Ms. Dyck had nothing to report.
- Economic Development
Mr. Burton was absent from the meeting.
- Communications and Marketing
Mr. Russell informed Council that the app has 982 downloads.
- CAO Report
Mr. Dibben introduced Jorge Gonzalez, GIS Technician, and Pam Livingston to Council. Mr. Dibben went on to inform Council of recent meetings.

10.0 Council Reports

10.1. Councillor Nadeau

- I am Empowered Conference on March 5, 2016
- Communities in Bloom Family Movie Night was successful
- Legacy Project Meeting

10.2. Councillor Long

- February 4th – CETC Committee Meeting
- February 6th – Manny Deol's Transitional Dinner from CAO to Chief Operating Officer
- February 8th – Economic Development Committee Meeting
- February 15th – Family Day Celebration

10.3. Councillor Shular

- February 3rd – Legacy Committee Meeting
- February 4th – CETC Committee Meeting
- February 5th – Housing Committee Meeting
- February 16th – Women in Leadership meeting with mentee

10.4. Councillor Bossert

- January 28th – Poverty Simulator
- Homelessness and Poverty Reduction Committee Meeting
- February 6th – Manny Deol's Transitional Dinner from CAO to Chief Operating Officer
- February 7th – Dinner with Stony Plain Council
- February 11th – Women in Leadership meeting with mentee
- February 16th – Waste Management Committee

10.5. Councillor Fredrickson

- February 16th – Waste Management Committee
- Coalitions Connect Conference

10.6. Deputy Mayor Wheeler

- Pembina Area Synergy Meeting
- Smarter Towns Project
- Dinner with Stony Plain Council
- FCM Sustainability Conference
- Physician Recruitment and Retention Committee Meeting

11.0 Adjournment

RESOLUTION #043/16

Councillor Long moved that Council adjourn the February 17, 2016, Regular Meeting of Council at 11:24 a.m.

CARRIED UNANIMOUSLY

DEPUTY MAYOR

CHIEF ADMINISTRATIVE OFFICER



Town of Drayton Valley

Delegation Request Form

Name (s): ALISON RONSON

Organization: CANADIAN PARKS AND WILDERNESS SOCIETY, NORTHERN ALBERTA

Contact Number: 780-424-5128 x309 Contact E-mail: aronson@cpaws.org

Mailing Address: PO BOX 52031 EDMONTON, AB T6G 2T5

Meeting you would like to attend as a Delegation (please check all that apply)*:

- ☒ Council Meeting
- ☐ Governance & Priorities Committee Meeting
- ☐ Special Meeting/Presentation
- ☐ Administration Meeting

* Request must be received a minimum of TWO WEEKS prior to the meeting being requested for; please refer to the Meeting Schedule for dates

Reason for Requesting Delegation:

(information only, request for funding, concern, etc)

TO PRESENT ABOUT HEADWATERS PROTECTION IN THE
REGION (CONCERN)

Additional Information Provided

Please list the information you attached or included with your delegation request:

Please indicate any preference you have for meeting:

January 27 2016

Please submit your request by:

Fax: 780.542.5753

E-mail:

admin-support@draytonvalley.ca

In person: 5120-52 ST



Town of Drayton Valley

Delegation Request Form

Name (s): Jennifer Fynn
 Organization: Drayton Valley and District FCSS
 Contact Number: 7805142206 Contact E-mail: fcssadmin@draytonvalley.ca
 Mailing Address: 5120 52nd street

Meeting you would like to attend as a Delegation (please check all that apply)*:

- ☐ Council Meeting
☒ Governance & Priorities Committee Meeting
☐ Special Meeting/Presentation
☐ Administration Meeting

* Request must be received a minimum of TWO WEEKS prior to the meeting being requested for; please refer to the Meeting Schedule for dates

Reason for Requesting Delegation:

(information only, request for funding, concern, etc)

I would like to provide council with information about "Home Support" as this is a brand new program to Drayton Valley and District FCSS

Additional Information Provided

Please list the information you attached or included with your delegation request:

Please indicate any preference you have for meeting:

Please submit your request by:

Fax: 780.542.5753

E-mail:

admin-support@draytonvalley.ca

In person: 5120-52 ST

We are looking for individuals who are interested in receiving affordable Home Support.

WHAT IS HOME SUPPORT?

Home Support Workers can help with light household duties including housekeeping and occasional meal preparation to help enhance independent living, reduce isolation and promote a safe, quality home life.

The program is available to people who are unable to manage household duties due to age, disability, illness or recent hospital discharge.

SERVICES PROVIDED MAY INCLUDE:

- Cleaning Bedroom
- Cleaning Kitchen
- Cleaning Bathroom
- Washing Floors
- Dusting
- Cleaning Interior Windows
- Cleaning Stove
- Spot Cleaning Walls
- Defrosting Fridge
- Changing Bedding
- Meal Prep Assistance
- Companionship (Friendly Visiting)
- Home Support Workers can also help connect you to other resources, programs and activities in the community.



**TO FIND OUT MORE CALL THE
FCSS PROGRAM ASSISTANT
780-514-2206**

fcssadmin@draytonvalley.ca

www.draytonvalley.ca



SECTION:	7
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COUNCIL AGENDA ITEM: 7.1.	Adoption of Waste Management Committee Terms of Reference
Department:	Engineering
Presented by:	Councillor Bossert
Support Staff:	Ron Fraser

BACKGROUND:

The Terms of Reference for the Waste Management Committee are to be reviewed and updated annually. The Terms were reviewed at the February 16, 2016 meeting, and the revised document is attached.

The revised Waste Management Committee Terms of Reference are hereby presented to Council for approval.

RECOMMENDATION:

I move that Council approve the attached Terms of Reference for the Waste Management Committee.

WASTE MANAGEMENT COMMITTEE

TERMS OF REFERENCE

Committee Mandate

The Waste Management Committee is tasked with the responsibility of assisting Administration in guiding and developing the Town of Drayton Valley's waste management operations and sustainability.

Background

The Town of Drayton Valley owns and operates the Aspen Waste Management Facility which is the regional landfill and waste management site for the Town and Brazeau County. Aspen Waste Management is a class II facility, licensed by Alberta Environment and Sustainable Resource Development. Aspen Waste Management Facility is operated under contract to MCL Waste Systems & Environmental Inc. until December 31, 2018. The contract for MCL is managed by the Aspen Waste Management Authority which is under the control of the Town of Drayton Valley administrative staff. The Town of Drayton Valley's solid waste and recycling curbside collection is under contract to GFL (Green For Life) Environmental Inc. until December 31, 2016. The Town of Drayton Valley administrative staff manages the contract.

There have been efforts to ensure the Aspen Waste Management Facility is not perceived as a "dump" but rather as a modern waste management facility with a "Clean Shoe Service." Education on the landfill is currently achieved through Family Day activities hosted on-site.

Goals/Objectives

The Waste Management Committee will endeavor to advise on the management of municipal solid waste (including but not limited to recycling, composting, and alternative sustainable practices) and to accomplish the following objectives:

- Identify and examine issues and opportunities and make recommendations to Administration and Council for action as related to the overarching Town vision and the adopted Sustainability Plan;
- Assist in the development of operational plans;
- Ensure customer service levels are met in regards to waste collection and landfill service;
- Identify opportunities to promote the image of waste management and engage in public education;
- Council may provide additional direction and/or terms of reference to assist in the effectiveness of the Committee.

Committee Membership/Composition and Term

The Drayton Valley Waste Management Committee is an ad-hoc Committee of the Town of Drayton Valley and is comprised of two (2) Town Councillors. These Terms of Reference will be reviewed on a yearly basis.

The Committee shall be supported by an administrative team as appointed by the CAO.

The Mayor of the Town of Drayton Valley sits as ex-officio member of the Committee.

Advisory Committee

The Committee is advisory in nature and shall be responsible for making recommendations to Town Council for approval on any items requiring decision.

All administrative costs associated with the work of this committee shall be absorbed within the annual Council budget.

Meetings of the Committee

The Town of Drayton Valley shall establish the regular meeting of the Committee. Committee members may send an alternate member to the meetings.

9.0 Information Items

9.0	<u>Information Items</u>	<u>Pages 15-53</u>
9.1.	Childcare Operational Board Minutes November 2015	16-19
9.2.	STAR Catholic Board Highlights February 2016	20
9.3.	Town of Drayton Valley Residential Waste Sort Report – October 2015	21-38
9.4.	Councillor Fredrickson Conference Report – Growing Rural Tourism	39-40
9.5.	Councillor Wheeler Conference Report – FCM Sustainability Conference	41-51
9.6.	Drayton Valley Brazeau County Fire Services – February Stats	52-53

MOTION:

I move that Town Council accept the above items as information.



Minutes

THOSE PRESENT:

Marilyn Buchan, Committee Chair
Karen Linquist, Committee Member
Darlene Ferris, Committee Member
Councilor Nicole Nadeau
Teresa Dunlop, Program Manager
Bernice Taylor, ECDC Program Manager
Jennifer Paterson, FDH Coordinator
Cora Appleby, Administrative Assistant

1. Call to Order

The meeting was called to order at 10:02am by Chair Marilyn Buchan.

2. Agenda

2.1. Additions or Deletions

The following additions were added:

4.6 ECDC Health Outbreak Status

2.2. Approval of Agenda

MOTION by Darlene Ferris to approve the agenda as amended.

CARRIED

3. Minutes from the September 24th, 2015 Meeting

3.1. Approval

MOTION by Karen Linquist to approve the minutes of the September 24th, 2015 meeting as presented.

CARRIED

4. Business Arising

4.1. Update Registration Status - ECDC and Day Home

Bernice Taylor reported that the Centre currently has 6 full-time and 2 part-time spaces available for ages 19 to 36 months, as well as 1 part-time one day a week space. Numerous

babies have been enrolled to start in January and February. 41% of enrollment in the Centre is from Brazeau County at this time.

Jenn Paterson reported that there are 7 providers with 23 children enrolled with the Family Day Home Agency; there is 1 part-time space available. There are 2 private Day Home Providers that have contacted the agency requesting information on how to become licensed and become a part of the agency.

4.2. National Child Day

Bernice Taylor reported that the focus at the Early Childhood Development Centre for National Child Day is going to be on Nature Deficit Disorder and promoting families to spend time outside.

~ ACTION ITEM ~ Bernice Taylor will send Cora Appleby the link from Nesen Naidoo, which refers to the "Building Resiliency in Children".

The programming at the Centre is focusing on fathers. There is a career board focusing on the Fathers employment and color scheme is earth tone colors which is more appealing to men. Bernice Taylor reported that she is currently working on facilitating a workshop for Mothers in 2016 on "How to Make Dads Important!"

~ ACTION ITEM ~ Bernice Taylor will send the Early Childhood Development Centre Facebook Page link to Cora Appleby to forward onto the Childcare Operational Board members.

4.3. Fee Schedule Updates

Jenn Paterson reported that the Day Home Providers have been offering a \$10.00/hr. drop-in rate for parents to attend wellness programs.

4.4. Fees for Service

Bernice Taylor reported that with the economic downturn, there have been 4 families that have left with no notice. The Board discussed the possibility of increasing the registration fee from \$65.00/hr to counteract the loss of finances from receiving no notice, the board declined the increase. The Board discussed the success of sending individuals to collections for the lost finances of not receiving the adequate one month notice from individuals. It was reported that none of the claims have been successful and they have all had negative repercussions to the Centre and staff.

MOTION by Darlene Ferris to revise the Fees for Service Policy and remove the following line, "In lieu of notice we require one month's payment", under the Withdrawal and Termination of Service section.

4.5. FDH Contract Review

Jenn Paterson reported that on November 1st, Anthony Perkins, a lawyer for the Town of Drayton Valley, attended the monthly Family Day Home Agency Provider meeting to review

the Provider contracts. The contracts will be revised upon renewal with the suggestions made during the November 1st meeting.

4.6. **ECDC Health Outbreak Status**

Bernice Taylor reported the Early Childhood Development Centre was in Outbreak Status for approximately 20 days. There were 17 children, 4 of them reoccurring, and 7 staff that became ill at this time.

5. **Other Business**

5.1. **Policies**

Nothing to report at this time.

5.2. **Financial Statement**

Teresa Dunlop presented the Financial Statement.

5.3. **General Correspondence**

Bernice Taylor reported that the Christmas Wish Trees campaign will be starting soon. There will be 10 trees for families from the Centre and 4 trees for Homelessness and the Food Bank.

6. **Next Meeting Date**

The next regular meeting will be on Tuesday, January 19th, 2016 at 10:00am.

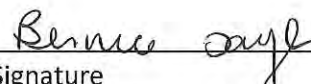
7. **Adjournment**

MOTION by Councilor Nicole Nadeau to adjourn the meeting.

TIME 11:30 a.m.



Signature
Committee Chair



Signature
Town of Drayton Valley

Board Meeting Highlights



February
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2016



Lacombe Arena Expansion

The Board endorsed the registration of a 7.5m wide utility easement adjacent to the west property line of Father Lacombe Catholic School at no cost to the Board. The easement is for the City of Lacombe's expansion of the neighbouring arena.

Three Year Education Plan

The Board discussed its Three Year Education Planning Day, held February 11th in Leduc. The input from the wide-stakeholder consultation will be used as the Board sets its priorities for the next three years.

Father Leduc School Update

The Board heard a report that construction continues on the Father Leduc School site, in Leduc. The report included that Tara Malloy has been appointed as the Father Leduc School Principal.

Early French Immersion in Leduc

The Board received an update on plans for early French Immersion being offered at Notre Dame School in Leduc in the 2016/2017 school year. French Immersion is planned for Kindergarten and Grade 1 levels, and registrations are being accepted.

Father Lacombe School Value Scoping

The Board received an update that Alberta Education is working to bring out consultants for a value scoping of Father Lacombe School in Lacombe in March. The value scoping aids in evaluating what upgrades or improvements are needed to the school.

École Mother d'Youville School update

The Board received a report that the school design for École Mother d'Youville School has been submitted, and is expected to go to tender at the end of the month. The school is slated to open in Beaumont in September 2017.

Beaumont Reconfiguration

With the addition of École Mother d'Youville School planned for September 2017, the planning of the Beaumont Reconfiguration Spring Consultation has begun. The consultation will be a three phase public engagement beginning in March.

DATES TO REMEMBER

Next Board Meeting

Wednesday, March 16

10:30 a.m.

STAR Central Office

4906 50 Ave., Leduc, AB

The public is welcome at all

Board meetings.

Board of Trustees

[John Tomkinson](#), Chair

Wetaskiwin

[Thalia Hibbs](#), Vice Chair

Lacombe

[Dan Chalifoux](#)

Beaumont

[Sandra Bannard](#)

Drayton Valley

[Susan Kathol](#)

Drayton Valley

[Karen Richert](#)

Leduc

[Michelle Lamer](#)

Leduc

[Dan Svitich](#)

Ponoka

[Henry Effen](#)

Wetaskiwin

Town of Drayton Valley Residential Waste Sort

October 2015

Prepared by: Sewit Yenie
Fabrizio Bertolo

Senior Review: Kirstin Castro-Wunsch, P.Eng.



October 21, 2015

Danette Moulé
Sustainability Co-ordinator
Town of Drayton Valley
Box 6837, 5120-52 Street
Drayton Valley, AB T7A 1A1

Dear Ms. Moulé,

Enclosed is the final report of the Residential Waste Sort completed by Advanced Enviro Engineering Ltd. and its consultants for the Town of Drayton Valley.

If you have any questions or require further information, please contact our office at 780-488-7926.

Sincerely yours,
Advanced Enviro Engineering Ltd.
APEGA Permit to Practice Number P10783



Kirstin Castro-Wunsch, P. Eng.
CEO

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FIGURES AND TABLES

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1.0 INTRODUCTION

Advanced Enviro Engineering Ltd. (Advanced Enviro) was retained by the Town of Drayton Valley to conduct a waste sort of residential waste (garbage and recyclables).

The goal of the waste sort was to obtain information regarding the quantity and composition of residential waste (garbage) and recyclables set out at curbside; and to measure waste generation, diversion and participation rates. Information from the waste sort will assist the Town in identifying areas for improvement or evaluate the potential to implement new collections (e.g. organic waste collection) in its current solid waste management program to increase the diversion of waste from landfill.

2.0 CURRENT PROGRAMS

Currently the Town of Drayton Valley has for following waste management programs.

- Weekly curbside garbage collection
- Bi-weekly (every two weeks) curbside blue bags (recyclables) collection
- Recycling Depot located at 5018 Industrial Road
- Aspen Waste Management Facility (Landfill) located on Highway 22 and 58 Avenue
 - C&D, concrete, asphalt; trees, stumps, large branches; household waste (small branches, yard waste, appliances), blue bags (cardboard, newspaper, tin, mixed paper, milk jugs, glass); grass, leaves and wood chips; batteries; contaminated soil, clean fill; scrap metals; white goods and CFC units; tires, electronics, paint, used oil and pesticide containers
- Material Recovery Facility (MRF)
 - Batteries, blue bags, e-waste (TVs and computers), metal, paper, propane tanks, tires, waste oil, household hazardous waste
- Take It Or Leave It Centre at the Aspen Waste Management Facility (Landfill)
 - Furniture, computers, toys, and other usable items

3.0 WASTE SORT METHODOLOGY

3.1 Waste Collection and Delivery

Residential garbage and recyclables were collected by Green For Life or GFL (formerly Evergreen Ecological Services Inc.) on Thursday and Friday (September 3rd and 4th,

2015) from a total of 20 sample houses and sorted on Friday (September 4th). In addition, garbage was collected on Thursday and Friday (September 10th and 11th, 2015) from the same 20 sample houses and sorted on Friday, September 11th. The materials were transported to the Aspen Waste Management Facility (landfill) at 4802 – 40th Avenue, Drayton Valley (SE-20-47-07-W5M) for sorting. The hauler unloaded materials in a designated area.

A team of two people from Advanced Enviro sorted the waste from the Town of Drayton Valley.

3.2 Sampling and Sort Categories

The Stewardship Ontario Waste Audits program and guidelines (2005, Guide for Single-Family Waste Audits) sampling procedure was adopted for garbage and blue bags streams.

Sample houses were randomly selected without replacement, using a random number table. Advanced Enviro's project manager followed the collection truck on Thursday September 3rd, Friday September 4th, Thursday September 10th and Friday September 11th and recorded curbside garbage and recyclables set out data from the selected houses.



Figure 1. Garbage delivered Sept. 3rd, 4th, 10th and 11th, 2015 for waste sort (Details are on Section 3.1)



Figure 2. Recyclables delivered Sept. 3rd and 4th, 2015 for waste sort (Details are on Section 3.2)

Waste sort personnel sorted and weighed garbage and recyclables according to predetermined categories (Table 1). These categories were identified through consultant's experience, interviews, review of existing information (Town website), materials collected and processed by Drayton Valley and other municipalities. Recyclables and corresponding subcategories were based on acceptable items that can be placed in the blue bag as listed on the Town's website.

Garbage and recyclables were sorted into pre-weighted plastic storage bins (tote) and weighed using a Precision EC 100 Counting Scale. The tare weight (tote) was subtracted from the gross weight (tote plus waste) to obtain net weight (waste).

Weights were recorded and analyzed using Microsoft Excel 2010.

Table 1. Waste Sort Categories and Subcategories.

Category	Subcategory	Items Included
City Curbside Programs		
General Waste	Garbage	Non-recyclables & non-organics (e.g., plastic wrappers, chip bags, diapers)
Organic Waste	Food Waste	Fruit and vegetable peels/rinds, egg shells, coffee grinds and filters, tea bags, meat, bones and trimmings, soup stocks, household organics (plants), animal litters
	Paper Waste	Waxed paper, soiled boxboard / pizza boxes, used paper towels & tissue paper cups/cutlery/plates, brown paper bags
	Yard Waste	Grass, branches, plant material
Recyclables	Mixed Paper	Office paper, newsprint, magazines, flyers, phone books, catalogues, cereal boxes, pasta boxes, tissue boxes, paper egg cartons and paper coffee cups (remove lids)
	Metal	Metal food cans, aluminum trays and containers
	Plastics #1-7	Plastics #1 - 7; Plastic with the triangular symbol with a number in the middle, usually on container bottom, plastic film
	Glass	Jars and bottles
	Beverage/Deposit Containers	Tetra packs, glass/plastic beverage containers, milk jugs/gable-top containers, pop cans
	Cardboard	Cardboard boxes (flatten and remove packaging), paper egg cartons, paperbacks, pizza boxes
Other Programs		
Material Recovery Facility	Electronic Waste	
	Household Hazardous Waste	
	Tires	
	Waste Oil	
	Scrap Metal	
	Propane Tanks	
	Batteries	
Potentials		
Potentials	Styrofoam	
	Donation Programs	

3.3 Assumptions and Limitations

- Randomly selected houses are representative of the total waste generated by households in the Town of Drayton Valley.
- In accordance with discussion with the client data analysis is not statistically valid as a small number of samples was sorted. However, data is representative of the Drayton Valley waste generation and allows the consultant to obtain waste composition data for the different streams of waste generated in Drayton Valley.
- Items that could be recycled but are not included in Town's acceptable items list are included in the "potentials" category.

4.0 Waste Sort Results

4.1 Composition of garbage sent to landfill

During the waste sort, the following garbage (to landfill) characteristics were noted:

- General garbage was largely composed of diapers, coffee cups, snack bags, plastic containers (not recyclables), etc.
- Organic food waste was largely composed of leftovers (e.g. bread, meat, and vegetables), unopened food, yard and paper waste, etc.
- Recyclables were largely composed of plastics, mixed fiber (flyers / envelopes / newspapers), boxboard, cardboard, metal and glass. Beverage containers were infrequent.
- Potential donation items were composed of DVDs and books.
- Four of the sample households had blue bags set out for collection on the week garbage collection only.
- Three blue bags filled with garbage were encountered. One of the residents at the time of sample collection said that he/she does not know that blue bags are for recyclables and black bags are for garbage.

A summary of garbage composition by weight is provided in Figure 3. As illustrated, **organics was the largest component by weight (57%), followed by garbage (24%).** Recyclables comprised eighteen percent (18%) of sorted garbage, and donation items comprised one percent (1%) of sorted garbage.

Based on results of the garbage composition, **76% of the materials set out for garbage pickup could potentially be diverted through programs already offered by the Town.** Up to 18% of the current garbage set out could be diverted through the curbside recyclables (blue bag) collection program.

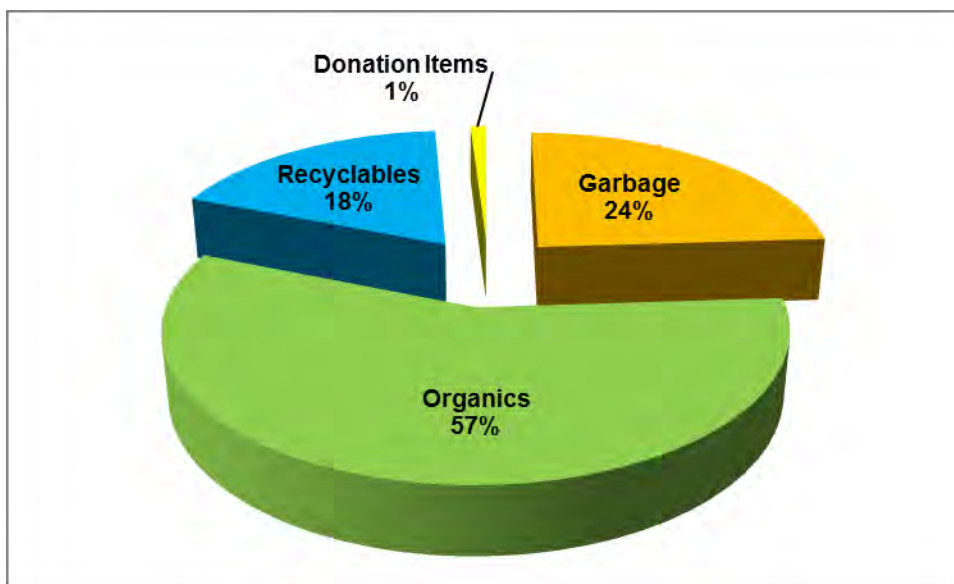


Figure 3. Composition of garbage to landfill by weight

As shown in Figure 4, thirty eight (38%) of the organics found in the garbage is food waste while 15% is yard waste. Mixed paper, metal, plastics, beverage containers, cardboard, glass and plastic bags comprised approximately eighteen percent (18%) of the garbage sent to landfill.

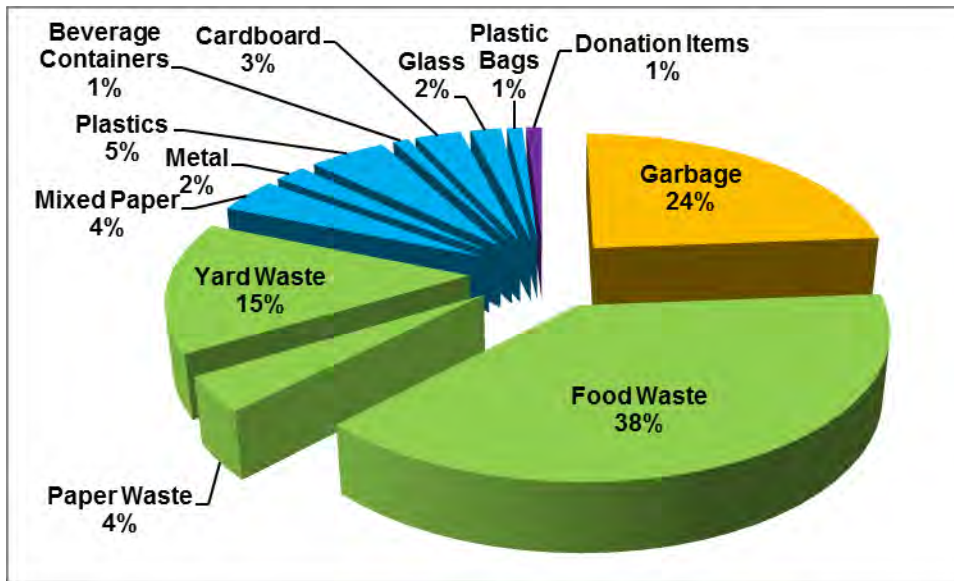


Figure 4. Composition of garbage to landfill by weight by category

The following figure, Figure 5, compares garbage composition during a week when garbage and recyclables are collected and a week when only garbage is collected. It seems that more recyclables tend to end up in the garbage during the week when only garbage is collected (21% vs. 15%). Studies conducted by Advanced Enviro show that the amount of recyclables in the garbage stream for municipalities around Edmonton vary between 7% and 18%.

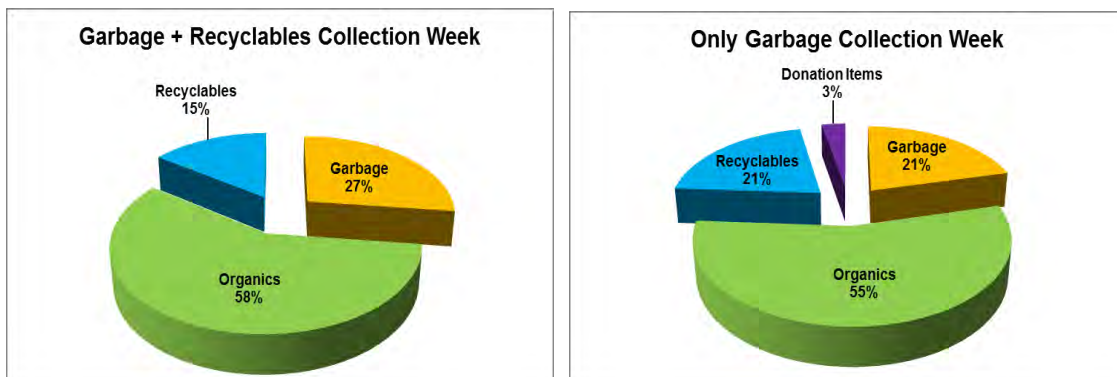


Figure 5. Comparison of garbage collected during 'garbage + recyclables' collection week vs. 'garbage' collection week

Table 2 summarized the weight and estimated volume data for sorted garbage sent to landfill.

Table 2. Summary of garbage to landfill data

Garbage			
Category	Subcategory	Total Net Weight (kg)	Volume (m ³)
General Waste	Garbage	106.02	0.22
Sub Total		106.02	0.22
Organic Waste	Food Waste	169.57	0.20
	Paper Waste	15.70	0.03
	Yard Waste	63.89	0.17
Sub Total		249.16	0.40
Recyclables	Mixed Paper	17.52	0.07
	Metal	9.02	0.02
	Plastics (#1-7)	20.90	0.70
	Beverage / Deposit Containers	4.07	0.16
	Corrugated Cardboard	14.96	0.50
	Glass	7.31	0.02
	Plastic Bags	2.62	0.19
Sub Total		76.40	1.67
MRF	Electronic Waste	0.03	
Sub Total		0.03	
Potentials	Donation Programs	6.30	
Sub Total		6.30	
TOTALS		437.90	2.29

Observations of note include the following:

- High percentage of organics, mostly food waste is sent to landfill.
- A relatively high percentage of recyclables that could be currently recovered are included in the garbage.
- Higher percentage of recyclables end up in garbage during the week of 'only garbage' collection.

4.2 Composition of Recyclables

During the waste sort, the following recyclables (from current recycling programs) characteristics were noted:

- Recyclables were largely composed of mixed paper, followed by cardboards then plastics (types 1-7) and glass.
- One exersaucer (toy shaped like a baby walker, see Figure 2), a potential donation item that could be taken to the Take-It-Or-Leave-It Centre, was encountered during the waste sort.

A summary of recyclables composition by weight is provided in Figure 6 and 7. As illustrated in Figure 6, a large percentage of recyclables (83%) is placed in the right stream, followed by garbage (11%), and donation items (6%). Based on Figure 7, the largest component of the recyclables is mixed paper (30%), followed by cardboard (26%), plastics (8%) and glass (7%).

Based on the waste composition results, the blue bag program has a contamination rate of 17% of which 6% is potential donation item likely mistakenly considered as acceptable recycling item.

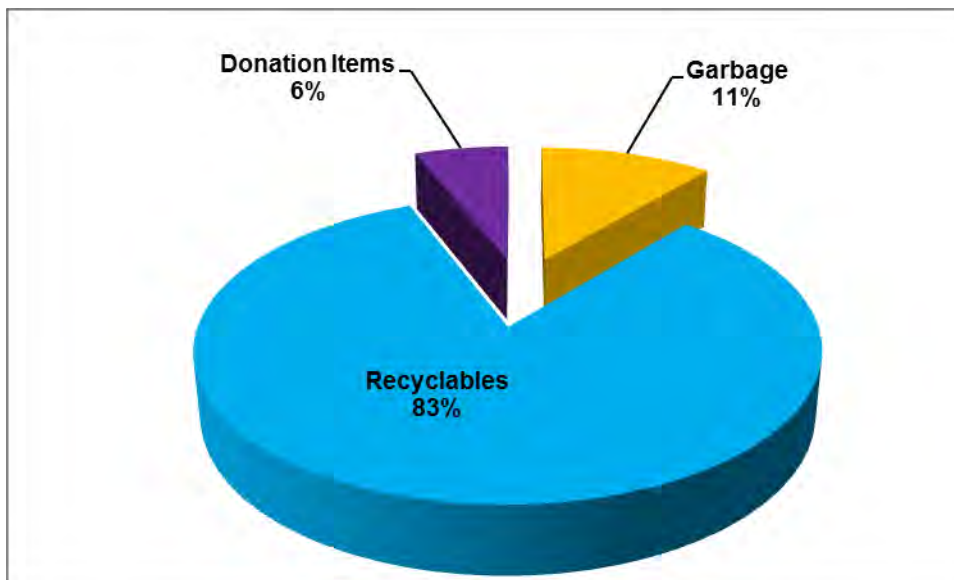


Figure 6. Composition of recyclables by weight

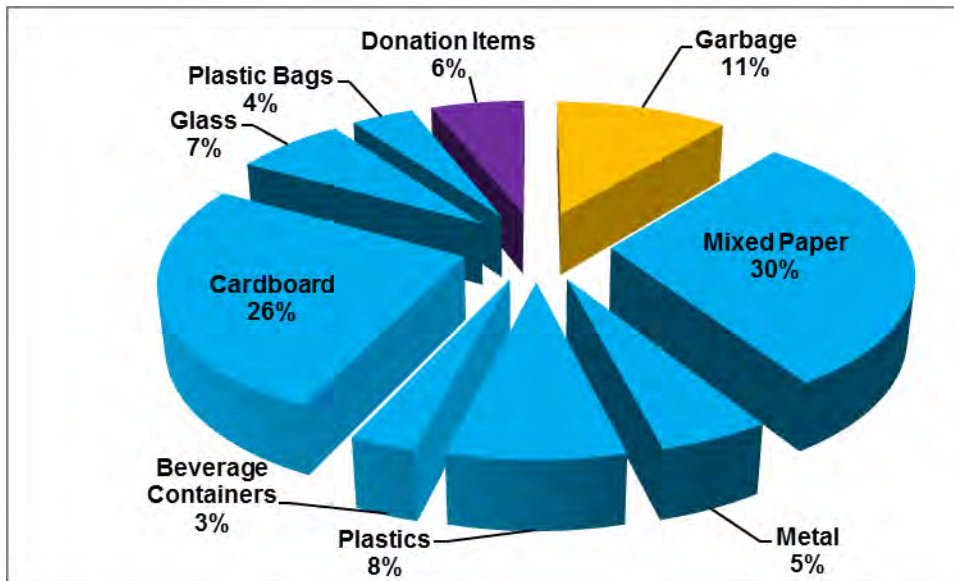


Figure 7. Composition of recyclables by weight by category

Observations of note include the following:

- A large percentage of recyclables are recovered.
- Potential donation item comprises about 6%.
- The blue bag program has approximately 17% contamination.

4.3 Capture Rates of Recyclables and Organic waste

The capture rate indicates the percentage of a particular waste stream that is being captured through a program aimed at diverting that waste stream. Capture rate of recyclables could not be calculated as the annual amount of waste disposed of at the landfill is unknown. The capture rate for organics is zero as there is no organics collection program.

5.0 RECOMMENDATIONS

Based on results obtained from the waste sort and data analysis the following recommendations are provided for the Town of Drayton Valley to make an informed decision regarding its waste management system going forward:

1. Waste sort represents an important component of an Integrated Waste Management Study and **it is recommend that the Town complete the Integrated Waste Study with the remaining components (current waste management review, public survey, cost analysis, etc.) and develop a Solid Waste Management Strategy specific for Drayton Valley with action steps for the next five years. The Study would allow the Town to assess needs and public support for a range of options for the Town's future waste management to move towards zero waste and to reduce costs.**
2. **Before implementing any new waste program it is recommended that the Town design, deliver and analyze a public survey to:**
 - Inform the public of current programs and future diversion options that could really make a difference at a low cost.
 - Informing the public about the identified feasible diversion options. This is extremely important. In general, the public believe recycling is not cost effective. Many diversion options allow diverting more for less cost. This is crucial information to communicate to the public to build a successful cost effective program.
 - Measure community's interest in the development of additional diversion programs.
 - Measure public support and commitment to participate in each identified reduction option.
 - Develop or reconfirm a compatible common vision of public and council perspective including specific diversion goals and by what year.
 - Implement only what residents want at a price they want and phase it in.

During previous studies completed by Advanced Enviro for municipalities including Strathcona County, the Cities of Camrose, Cold Lake, Lloydminster, Fort Saskatchewan, Airdrie and the Town of Beaumont and Slave Lake, the survey has proven to be a very important tool to communicate to residents and measure public support and gather opinions from residents. The information compiled through the survey would provide the Town and the Council with full confidence to implement new options for diversion in a way that is highly accepted by the Town's residents.

3. It is recommended that a **full cost analysis** be conducted before implementing program changes.
4. It is recommended that the Town **investigate implementation of an organics program** as more than half (approximately 57%) of the garbage by weight that ends up in the landfill is organics. Organics could be collected every two weeks in the winter and every week in the summer. Kitchen can (under the sink) could be supplied for residents to collect their kitchen organics then put it in the appropriate bin outside.
5. Once the organics collection is implemented the Town could evaluate **bi-weekly (every two weeks) garbage collection** and **weekly recyclables collection** as more recyclables end in garbage during the week of garbage only collection. Reduced garbage collection encourages recycling and reduces costs. These programs should be implemented after carrying out an Integrated Waste Management Study (see recommendation n. 1).
6. Implement a **stronger communication and education program**. An effective program includes a strong social marketing technique which is best recommended by an independent waste management consultant with social marketing expertise, which will inevitably lead to increase knowledge amongst the public.
 - Based on the waste sort results 18% of the garbage sorted was recyclables. This shows that the curbside blue bag program could be more effectively used. **Effective communication and educational programs can substantially increase the Town's overall diversion rate.**
 - The blue bag program had approximately 17% contamination out of which approximately 6% was a potential donation item that could be taken to the Take-It-Or-Leave-It Centre at the Aspen Waste Management Facility (Landfill) which suggests **a need for effective visual communication materials that show what items go where.** In addition, residents need to be reminded once in a while that black bags are for garbage and blue bags are for recyclables.
 - **It is recommended that residents be educated about the benefits of waste reduction** specifically by reducing the risk of more landfills, reducing greenhouse gas generation, increasing reuse and recycling of waste. (Canadians are the top generators of waste in the world). Also it

needs to be communicated that this can be done cost effectively without changes in levels of service.

A specific communication and education program should be designed though a customize Integrated Waste Management Study (see recommendation n. 1) and be based on the Town's needs and available resources.

In general for every \$50,000 spent on public communication and education an additional 5% is diverted from the landfill.

7. During the garbage sampling operations the consultant noted that four of the sample households had blue bags set out for collection on the week of garbage collection only. **Mistakes made by more than one household represent general misinformation on the waste collection schedule. Further evaluations have to be made on the communication systems currently in place and on its effectiveness. This can be achieved through review of the current system and a public survey.**
8. **It is recommended that the Town formally require (if not already part of the contract in place) that the current waste collection contractor (GFL) provide monthly detailed data regarding quantities of garbage and recyclables collected in Drayton Valley and final destinations.** Lack of data doesn't allow assessing total diversion rates for the Town and capture rates for recyclables. Without data, it won't be possible to evaluate future improvements in the Town's waste diversion from landfill or to measure success of the Town's solid waste management strategy.
9. **It is recommended that a waste sort in the winter season be conducted to evaluate seasonal fluctuations.** Based on the waste sort, the garbage generated is composed of 57% organics out of which 15% is yard waste. In the winter season this percentage could be lower as there will be no yard waste.
10. **It is recommended that a waste sort be conducted every two years to evaluate the contamination rate of the materials collected and the success of the communication/education programs.** This will allow the Town to constantly evaluate the overall progress of the Town's solid waste management strategy.
11. **It is recommended that the Town enact a bylaw stating that "grass must be grass cycled back onto the lawn".** This can start with an educational campaign to increase awareness, followed by a bylaw as a bylaw is stronger and more effective. This effectively eliminates this waste stream from landfill at low cost. It

also provides nutrients to the lawn naturally. The City of Edmonton is making significant progress with grasscycling. This can be phased in over time.

6.0 PROJECT LIMITATIONS

This project was completed to the best of the consultants' abilities and in accordance with the APEGA Code of Ethics. The report is based on the information and data reviewed to the extent that the information was available and to the extent considered reasonable within the allocated project time frame and project budget. Advanced Enviro and the environmental consultants who prepared this report do not accept any liability for information that is not within the scope of the project and not identified in the final report.

The purpose of the report is to provide the client with further information in order to make a well-informed decision. This report is specifically for use by the client and for the purpose the consultant agreed to with the client. This report is a confidential document for the client and will only be distributed with the client's and the consultant's permission. One copy of the report will be maintained in the consultant's files as required by APEGA.



Town of Drayton Valley

COUNCILLOR REPORT

Councillor: Brandy Fredrickson

Conference/Workshop Attended: Growing Rural Tourism, Camrose
Alberta

G&P Presentation Date: Feb. 22-25, 2016

This was an excellent conference for both its networking opportunity and information on the tourism industry. In speaking with neighbouring municipalities (Devon, Parkland County), Travel Alberta, and Alberta Tourism it was made abundantly clear to me that Drayton Valley is under represented as a destination of choice. In viewing and discussing trip planners and vacation routes Drayton Valley, and Brazeau County are not marketed as a road-trip destinations.

This conference was an excellent place to discuss and develop ideas where Drayton Valley can use our arts, culture, heritage, restaurants, and hotels to pivot us into a tourism industry but, I always seem to come back to the same base recommendation.

We need to establish a Tourism committee and this committee needs to be collaborative with our regional partners. What I am recommending is not an option that is hinged on the development of an authority but rather one that is established on a softer agreement-Memorandum of Understanding.

Looking at Alberta East and South as well as the Rocky Mountains no one is going it alone. Other regions have worked to create Destination Marketing Organizations. However, after seeing where other regions are in the development of their tourism industry I feel that we are in the very early stages and need to establish a basic committee that would host municipal officials as well as administration staff to create the opportunity to talk, brainstorm and develop opportunities.

In speaking with Alberta Tourism and Travel Alberta they are impressed to hear about everything that our region has to offer; in terms of adventure recreation and arts and cultural experiences. They see the differences among the regions as a beneficial draw for visitors; one that caters to a broad population.

Date: February 22-25, 2016
Session Title: Growing Rural Tourism Conference
Information Presented:

Kaynote speakers and breakout sessions at this conference included: Customer Service, customer empathy, tools to help small businesses, online platforms to assist groups in getting their events out there, curating a story to differentiate you from the crowd, online presence and online travel sites, visitor centers and bridging the rural and urban divide.

Correlation to Approved Town Plans/Policies:

Economic diversity entwines through our the Social Development Plan and Sustainability Plan

Department(s): Economic Development

Recommended Action:

Based on the information I gleaned through attending this event I recommend that we revisit the “Terms of Reference of the Regional Tourism Authority Committee” to hinge the existence of the committee on the necessity of economic diversity and not on the development of an authority. Some key items I see this committee tackling include:

1. Advocacy for tourism in the region as it relates to regional partnerships, traffic flow, signage and promotion of the area (regional)
2. Advocacy to bring events into the area (regional/local)
3. Reviewing of policy so that it aligns with seasonal business structure (local)
4. Championing travel/tourism based education opportunities to come to the area (regional)

Identify Partners/Resources:

Brazeau County, Parkland County, Breton. Extend as far as Leduc and Town of Devon. Travel Alberta Central Industry Development. Alberta Tourism small business development.

Resource:

Drayton Valley Hospitality and Tourism Authority Tourism Report, Brazeau County Tourism Report and Town of Drayton Valley visitor center report.



Town of Drayton Valley
COUNCILLOR REPORT

Councillor: Fayrell Wheeler

Conference/Workshop Attended: FCM-Sustainability

G&P Presentation Date: March 9th

Date: Feb 9th, 2016

Session Title: Asset Management for Sustainability

Information Presented: Canadian Network of Asset Managers (CNAM)- they are a national network focused on advancing the value of the asset management practices through leadership, innovation and collaboration.

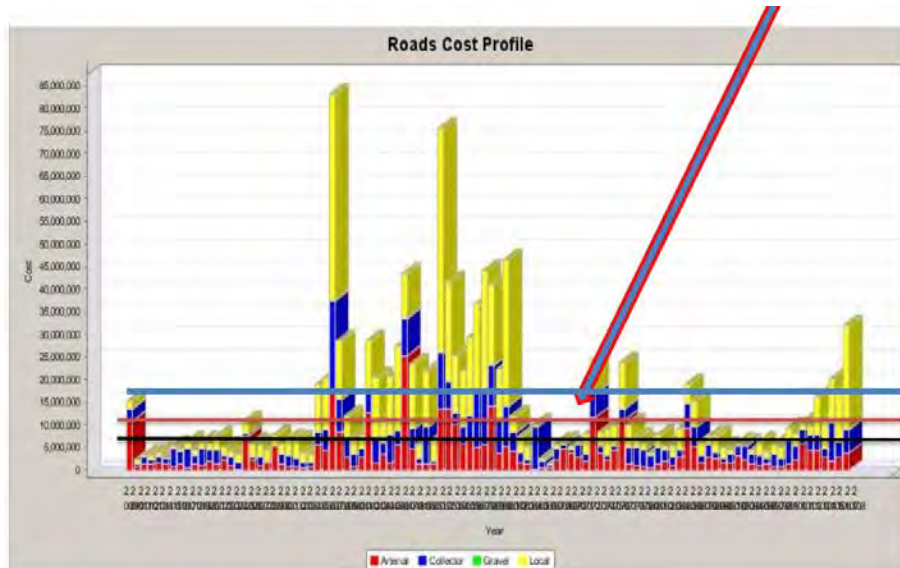
You need to know what your assets are now, in order to plan for the future. The important elements of long term planning are: Designed to handle disaster, coordination between departments to ensure efficient plans (sewer services before paving a new development), plan for culture/demographic changes and climate change, to stick to the towns vision/strategic plan, historical/past mistakes are not repeated, cost recovery is planned for, realistic expectations are set.

As a municipality it's our duty to deliver services. With long term planning it helps us look at what are the risk consequences? Is it a proactive or reactive process that our municipality does? We need the long term implications on assets in order for council to make the best decisions. Operations and maintenance are part of the life cycle and need to be properly accounted for and funded!!! Reliable infrastructure creates economic development, quality of life and is the basic fabric of our community.

The cost of assets: What are we charging for in the "water service"? We charge for the system, the pipes and the pumps, the water, but there should be a cost and if you want it 24/7. If there is a fire and you want immediate water suppression, then you have to be willing to pay for it.

People take it for granted the fact they live in Town and get these services. There are benefits of living in town, being closer to a fire hydrant saves on your insurance vs. having a well on your property. You have a better response time from the fire department plus guaranteed water available. As a town we need to make sure we are charging enough to cover the cost of the asset.

Roads Cost Profile



Graph- This is a 100 year view of road assets- low line is the current expenditure on roads, mid line is what staff are recommending spending go to, top line is where they should be if they average it all in. Now they can start to look at what they can move or defer to change the overall picture.

We can use Asset Management to justify to other levels of government, what and why we are requesting funds. With it we have a financial plan for the Town assets.

Saying “fix it first because it’s the worst” is not the best approach, what does the community want? There might be a road in rough shape, but if it’s rarely used then maybe fixing somewhere else would be a better long term plan.

In terms of risk, how do you look at the items on the asset list? Financial exposure, health safety, environmental risks? Risk performance indicators not just for planning but help you actually measure the out comes against something.

Natural assets are free, they are no cost and low risk, like a treed area that’s used for storm water runoff. We should be enhancing our assets in this area. Keeping in mind that buy providing municipal services like water, yes there is an environmental cost but having everyone drill their own well into the aquafer would be more damaging. We need to properly fund and manage the assets because they increase the sustainability of our community.

Correlation to Approved Town Plans/Policies: MDP, CSP

Department(s): Council, Engineering/planning, Emergency

Recommended Action:

A) Council support admin to bring Asset Management forward as a project or job for 2017

B) Have the Emergency Management Coordinator look into how emergency planning is affected.

Identify Partners/Resources: www.assetmanagementbc.ca

Date: Feb 9th, 2016

Session Title: Conference Ideas

Information Presented: Have a lanyard rental available at the MCC or CETC. It's more sustainable and most companies never reuse them.

Correlation to Approved Town Plans/Policies: Sustainability Plan

Department(s): MCC/CETC

Recommended Action: Look into the cost of ordering a few sets of lanyards and then make renting them cheaper than buying them.

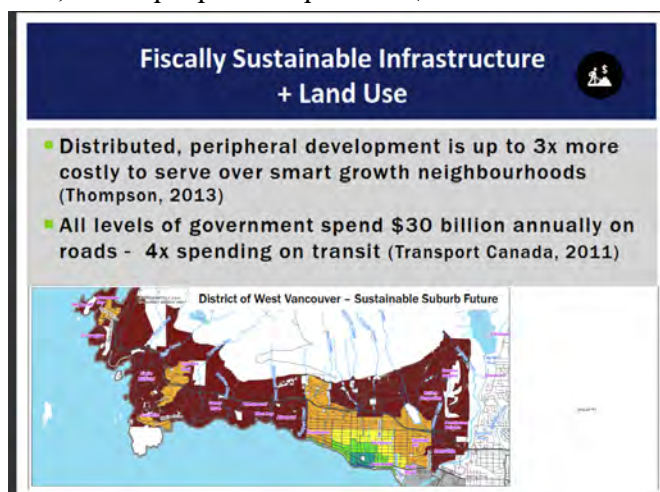
Identify Partners/Resources: <http://lanyardlibrary.com/>

Date: Feb 9th, 2016

Session Title: Alex Boston- Sustainability and Asset management, the Connection

Information Presented:

They average amount of infrastructure(road/sewer) in the core is 6m of infrastructure per house hold, in the purple it's up to 60m/household!



We need to focus on the most important GHG reduction tool, which is the scale of neighbour

hoods. Planning neighbourhoods has the greatest effect on cutting infrastructure costs and reduces GHG's the fastest.

Correlation to Approved Town Plans/Policies: CSP-GHG Reduction

Department(s):

Recommended Action: None

Identify Partners/Resources:

Date: Feb 9th, 2016

Session Title: Community Infrastructure Planning Decision Support Tool

Information Presented: It is a simple step by step program that guides you through all the information your municipality needs to enter; from planning, finance, engineers and GIS departments. Then it gives you an overall picture of the timeline of current assets and what the replacement costs are. It also breaks down into what the total development costs for a specific street, what the cost is to the developers, municipality, and tax payers, plus the life cycle timelines. This tool helps to break down the silos of town departments and show them why they needed to know what's happening throughout all departments in order to make the best community decisions.

The tool gives you a data set that is able to quantify the cost of different types of development. Where is the most cost benefit, low, medium or high density? It creates a high level of long term planning for the Town.

Correlation to Approved Town Plans/Policies: MDP, CSP

Department(s): Planning and Development/ Engineering/Finance

Recommended Action: Look into using the program or a similar one.

Identify

Partners/Resources: http://www.cscd.gov.bc.ca/lgd/greencommunities/sustainable_development.htm

Date: Feb 10th, 2016

Session Title: Social Capital into Sustainability

Information Presented:

Dyck- Mobycon: A Dutch base company that works on shared mobility spaces. Streets used to be public space, people met and visited/did business/discussed politics/travel. Traffic has taken over our public space and that only serves one of the functions it used to, and the only outdoor space we have left is so controlled (cross lights and signs). While traffic fatalities have gone down and that's a good thing, we need to create spaces that allow for public space to blossom again. Putting in larger sidewalks and safe spaces, if you slow down to 30km/hr with traffic people feel safe and will naturally start using the space again. *If you are struck at 30km/hr you have a 90% chance of getting up and walking away. At 50km/hr you only have a 15% chance.

Why build social capital? 1) People need to have face to face contact. 2) It helps to decrease the risk of policy failure. To engage the people, how are we using services and provides avenues for policy innovation. 3) We need to find ways to share more, we need to connect digitally and in person and get more comfortable with sharing (cars/stuff). We want people to view it as a favorable opportunity to save money and spend more time with friends. 4) Its cost effective for citizens and the municipality! On a daily basis people could interact with each other and they don't, because of how we have designed our cities.

One idea was to look at how we connect through civic engagement to people. One city found that being specifically asked by a city councillor to join a group was of significant importance and that group felt honored to help. Can we reach out more directly to draw people into lead some of our initiatives?

Correlation to Approved Town Plans/Policies:

Department(s): Planning, Community Services

Recommended Action: *Ideas for Community Services:* Ideas to create social spaces: Wonder through a "Storybook in the Park". Copy/laminate the pages of the story and put them throughout the park in the winter.

Close off a part of a street for a few hours on Sunday, animate the city and create public space. Invite people to enjoy the city. It creates healthier cities and more resilient connected cities.

Identify Partners/Resources:

Date: Feb 10th, 2016

Session Title: Carbon Neutrality, is it Possible

Information Presented: We need to educate and commit as a municipality to being Carbon Neutral. We need to make it a priority and part of our norm to have municipal facility buildings built carbon neutral. Solar or wind power is readily available at a 15 year pay back, with only an extra 15% cost on capital to make it happen.

London ON, has done an energy plan and their priority is to fix their old buildings/homes. That is where they get the biggest bang for their buck. They already have district heating and recommend it. They have their community energy plan on line.

Correlation to Approved Town Plans/Policies: CSP

Department(s): Council, Legislative, Sustainability Committee

Recommended Action: A) Sustainability Committee look up the London ON energy plan to see how they are encouraging sustainable infill.

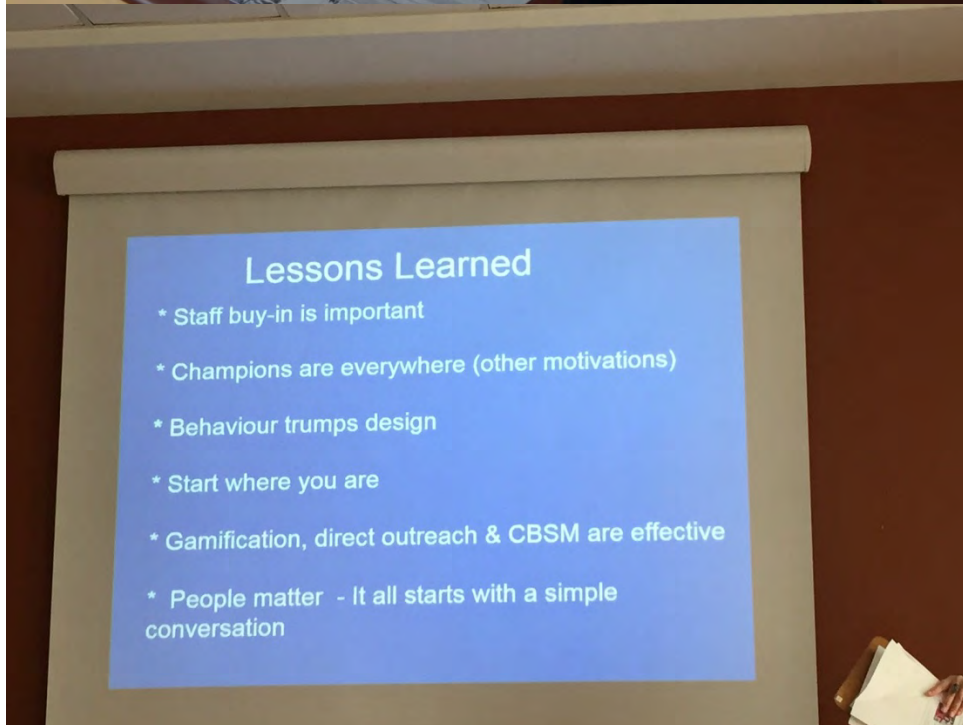
B) Looking at our tendering policy to see if there is a way to add built carbon neutral to the check list.

Identify

Partners/Resources: <https://www.london.ca/residents/Environment/Energy/Documents/Community%20Energy%20Plan.pdf> (for sustainability committee)

Building Green Residents was the study tour I went on. These are pictures of ideas they used to help people engage or understand how to be more green.





Your actions count!

The **ecological footprint** measures the amount of nature's resources used by a person in a year.

The average Canadian has an ecological footprint of **3.5 Earths**.



But we only have **1 Earth!**



Here's what you could save by making a Green Commitment!

Compared to the average Canadian

Energy Saving

14,650 kWh



Enough energy to light your home for 13 years

Since 2015 you have saved 29,250 kWh of energy

CO₂ Emission Reduction

2,575 kg



The weight of 1 elephant

Since 2015 you have kept 3,660 kg of CO₂ out of the atmosphere

Water Saving

27,000 litres



One year of drinking water for 37 people

Since 2015 you have saved 54,000 litres of water

Waste Reduction

180 kg



Enough trash to fill your bathtub 9 times

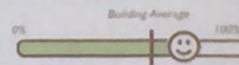
Since 2015 you have kept 100 kg of waste out of landfill



You are one of **567** CCOC tenants who signed a Green Commitment in the past year.



In the past year, you committed to **24** pledges, compared to the building average of 17 pledges.



You've reduced your environmental impact more than **75%** of your neighbours.

Keep up the great work!
Flip over for next steps.



Tenant sign this...pledge form

Use less electricity

- ☐ Use a kettle, microwave or toaster instead of the stove and oven.
- ☐ Use the right sized burner pot and lid when you use the stove.
- ☐ Turn the lights off when you leave the room.
- ☐ Unplug appliances and chargers when not in use. If you use a power bar, switch it off when not in use.

Use less energy

- ☐ Add a layer of clothing instead of turning up the heat in winter.
- ☐ In winter, keep windows closed, but open curtains for heat from sunlight.
- ☐ Turn down your thermostat in the winter when you're sleeping or not at home.
- ☐ In summer evenings, open windows instead of using an air conditioner. Close windows and curtains during the day to keep out the heat.

Use less water

- ☐ Only wash clothes when you have a full load of laundry.
- ☐ Take short showers instead of baths.
- ☐ Fill the sink to do dishes instead of washing them under a running tap.
- ☐ Turn off the tap while brushing your teeth, shaving and washing.

Send less to landfill

- ☐ Recycle everything you can - paper, plastic, metal and glass.
- ☐ Use the green bin or compost.
- ☐ Use reusable containers and cutlery. Don't use disposable packaging.
- ☐ Bring your own grocery bags. Say NO to plastic bags whenever possible.

Eat greener

- ☐ Eat less meat to lower the environmental impact of your food.
- ☐ Plan your meals and buy only what you need. Don't waste food.
- ☐ Buy local seasonal food when you can.
- ☐ Grow your own food on balconies, in planters, yards, or a community garden.

Use less chemicals

- ☐ Use environmentally friendly cleaning and laundry products.
- ☐ Use non-toxic soaps, shampoo, deodorant and make up.
- ☐ Avoid buying products in aerosol cans such as hairspray and air fresheners.
- ☐ Use CCOC's e-waste and hazardous waste program.

Use less fuel

- ☐ Walk or bike to get around.
- ☐ Take the bus.
- ☐ Join a car sharing program or carpool.
- ☐ Don't let your car idle - shut off the engine after 10 seconds.

Create a community

- ☐ Get involved in green activities at your building.
- ☐ Get to know 5 neighbours.
- ☐ Volunteer with CCOC or join your community association.
- ☐ Support community events.

Do your own thing

- Share your green tips with us!
- ☐
- ☐
- ☐



Please check off your pledges and sign below.

I, _____ (Print Name)

commit to making these green changes to my lifestyle for the coming year.

☐ I will post this form in my home somewhere I can see it everyday (like on a door or the refrigerator).

☐ Contact me - I have questions about my green commitments.

Signature: _____

Date: _____

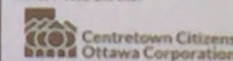
Address: _____

Apartment: _____

Phone: _____

E-mail: _____

For more information, contact
CCOC's Sustainability Facilitator at
613-234-4905 ext 243.



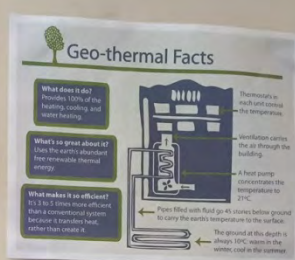
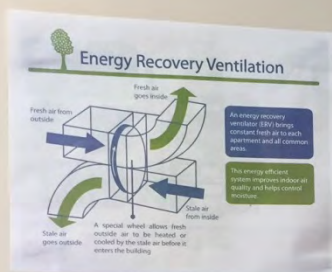
Tools of Engagement

- Communications materials
- Community based social marketing
- Direct outreach: person to person
- Green team - staff & tenant
- Gamification

Sustainability programming

It really is all
about the
people!





Did you know?

Green roofs have many benefits

- Provide **insulation** – a 6 inch green roof reduces heat gains by 95% and heat losses by 26%.
- Act as **sound barrier**.
- Can **last twice as long** as a regular roof.
- Are easy on the eyes! And are a home for **bees and butterflies**.
- Reduce water run-off and the **urban heat island** effect.

Facts about this green roof

- It's an **extensive** green roof. These kinds of green roofs are shallow and low maintenance.
- It covers about half the roof surface and the border around the roof.
- The rest of the roof has a **rooftop garden**.
- The vegetation is mostly **sedum**, a succulent plant that is tolerant to extreme temperatures and does not need a lot of water.
- It uses a **drip irrigation** system.





DRAYTON VALLEY/BRAZEAU COUNTY FIRE SERVICES

Office of the Fire Chief

P.O. Box 6837
5120-52 Street
Drayton Valley, Alberta
T7A-1A1

Main: (780) 514-2216
Fax: (780) 514-2244

Februrary 2016 Stats

Town of Drayton Valley/ Brazeau County

Fire Calls- 6

Rubbish and Grass Fires- 2

Motor Vehicle Collisions- 6

Rescue Calls- 0

Alarm Calls- 7

Assist another Agency- 3

Misc Calls- 0

Total- 24

Town of Drayton Valley

Fire Calls- 1

Rubbish and Grass Fires- 0

Motor Vehicle Collisions- 0

Rescue Calls- 0

Alarm Calls- 3

Assist another Agency- 3

Misc Calls- 0

Total- 7

Tom Thomson
Fire Chief
firechief@draytonvalley.ca

Murray Galavan
Deputy Fire Chief of Operations
dfc@draytonvalley.ca

Kamil Lasek
Deputy Fire Chief of Training
firefighter@draytonvalley.ca

Carla Appleby
Administrative Assistant
fireadmin@draytonvalley.ca



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Main: (780) 514-2216
Fax: (780) 514-2244

Brazeau County

Fire Calls- 5

Rubbish and Grass Fire- 2

Motor Vehicle Collisions- 6

Rescue Calls- 0

Alarm Calls- 4

Assist another Agency- 0

Misc Calls- 0

Total- 17

Tom Thomson
Fire Chief
firechief@draytonvalley.ca

Murray Galavan
Deputy Fire Chief of Operations
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Kamil Lasek
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