Present: Mayor B. Young, Councillors B. Beckett, G. Finstad, B. Hamilton, L. Hansen, T. Lazowski and L. Tillack

Also Present: P. Benedetto, City Manager and M. Hormazabal, Deputy City Clerk

Mayor B. Young called the meeting to order at 5:03 pm.

I. APPROVAL OF AGENDA

MOVED by Councillor B. Beckett that the Committee approve the agenda with the following addition:

VIII. INFORMATION ITEM

a) Letter of Support for Mobile Addictions Counsellor

Motion Carried Unanimously

II. ADOPTION OF PREVIOUS NOTES

There were no previous notes for adoption.

III. DELEGATIONS & PRESENTATIONS

There were no delegations or presentations.

IV. BUSINESS ARISING FROM PRESENTATIONS

V. IN-CAMERA ITEMS

There were no in-camera items.

VI. RISE AND REPORT FROM IN-CAMERA ITEMS

VII. REPORTS FROM COMMITTEE & ADMINISTRATION

a) Greenhouse Gas Plan: What We Heard and Potential Actions

Responsible Dept.

S. Olson, Director, Engineering, K. Chomlak, Environmental Sustainability Coordinator, and Dr. R. Boyd, Senior Economist, All One Sky Foundation, made a PowerPoint presentation (Attached), on the City of Leduc Greenhouse Gas Local Action Plan and next steps to follow.

Infrastructure & Planning

Committee provided input on the scenario targets which Administration will incorporate into draft scenarios to be presented at the January 23, 2019, open house.

Committee directed Administration to provide a report identifying the total costs of proposed projects and any associated savings.

Additionally, Administration will develop a communication plan to inform residents on "*what it means to the homeowner*".

S. Olson, K. Chomlak and Dr. R. Boyd answered the Committee's questions.

b) Council Check In

M. Hay, Director, Intergovernmental Affairs and Corporate Planning, checked in with Committee members after one year in office. This was an opportunity to generate feedback on Administration's progress on initiatives and to bring forward any areas where review or further information would be valuable.

Responsible Dept.

Intergovern-mental Affairs & Corporate Planning

Committee members requested that Administration provide more information on the Council Boards and Committees they were appointed to near the beginning of their term.

c) Code of Conduct – Document Signing Discussion

P. Benedetto, City Manager, asked Committee members about their preferred logistics when signing the Code of Conduct Statement of Commitment ("Statement").

Responsible Dept.

City Clerks

Committee directed Administration to bring forward the Statement for execution at the November 5, 2018, Committee-of-the-Whole meeting.

VIII. INFORMATION ITEMS

a) Letter of Support for Mobile Addictions Counsellor

Councillor B. Beckett, on behalf of the Leduc Community Drug Action Committee, requested a letter of support from Council be sent to the Minister of Health and the Minister of Municipal Affairs asking why the Mobile Addictions Counsellor position has been pulled from our community.

Responsible Dept.

Community and Protective Services

Administration was directed to draft a letter for signature.

IX. ADJOURNMENT

The meeting adjourned at 6:40 pm.

"Original Signed"
_____
B. YOUNG
Mayor

"Original Signed"
_____
M. HORMAZABAL
Deputy City Clerk

Greenhouse Gas (GHG) Reduction Plan

GHG Draft Actions and Targets

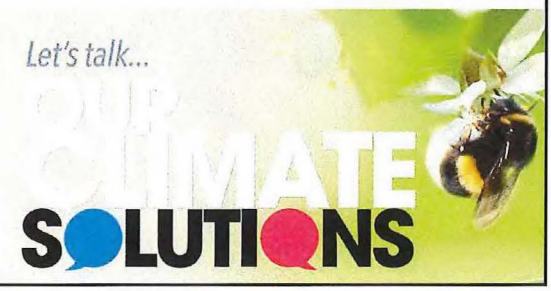
Shawn Olson, Director, Engineering, City of Leduc
Kerra Chomlak, Environmental Sustainability Coordinator, Leduc
Dr. Richard Boyd, Senior Fellow, All One Sky Foundation
Oct. 22, 2018

www.leduc.ca

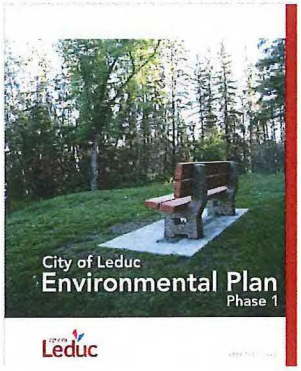
CITY OF Leduc

Outline

- Basis for GHG plan
- Engagement Process
- Targets & Actions



Why a GHG Plan?



PARTNERS FOR CLIMATE PROTECTION

Milestone 1
Create a Baseline Emissions Inventory and Forecast

Milestone 2
Set Emissions Reduction Targets

Milestone 3
Develop a Local Action Plan

Milestone 4
Implement the Local Action Plan

Milestone 5
Monitor Progress and Report Results

GHG Sources

Transportation

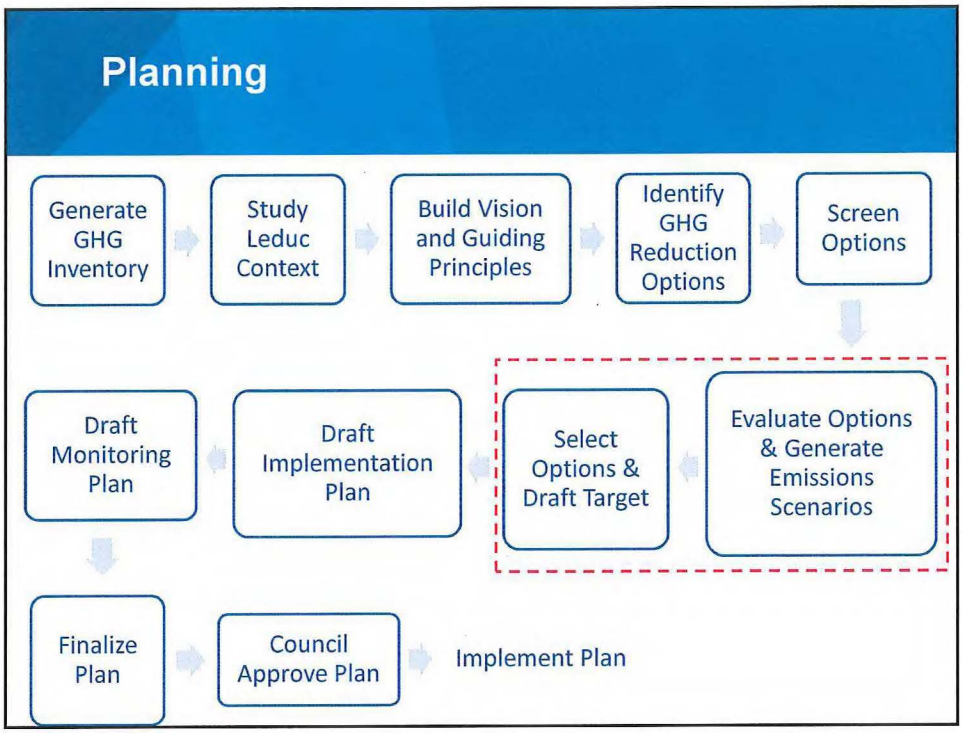
Urban Planning

Energy Supply

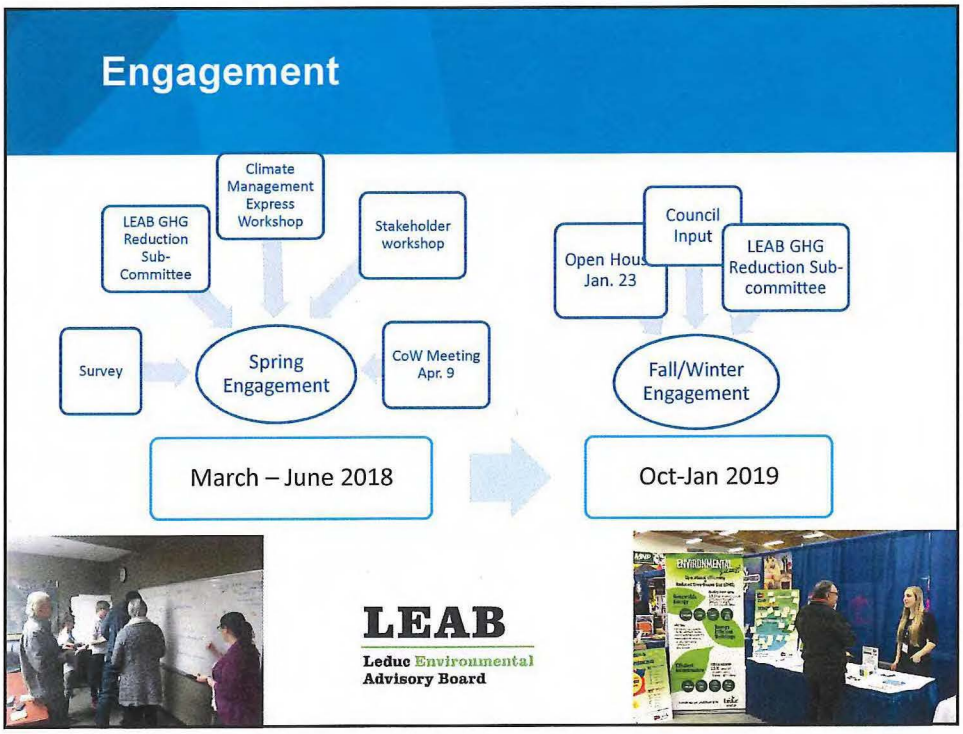
Buildings & Infrastructure

Waste

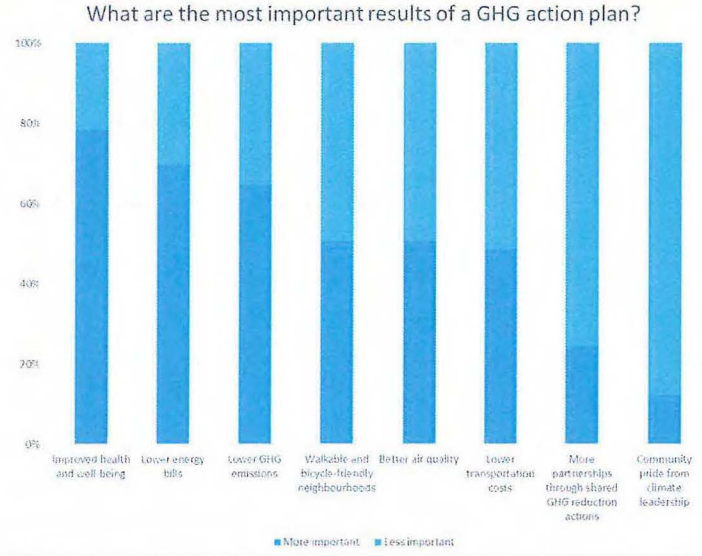
Planning



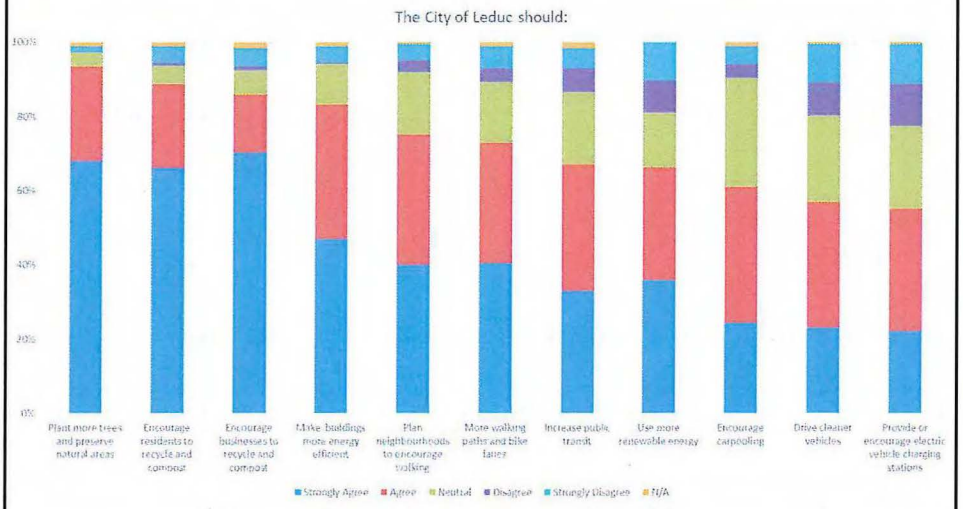
Engagement



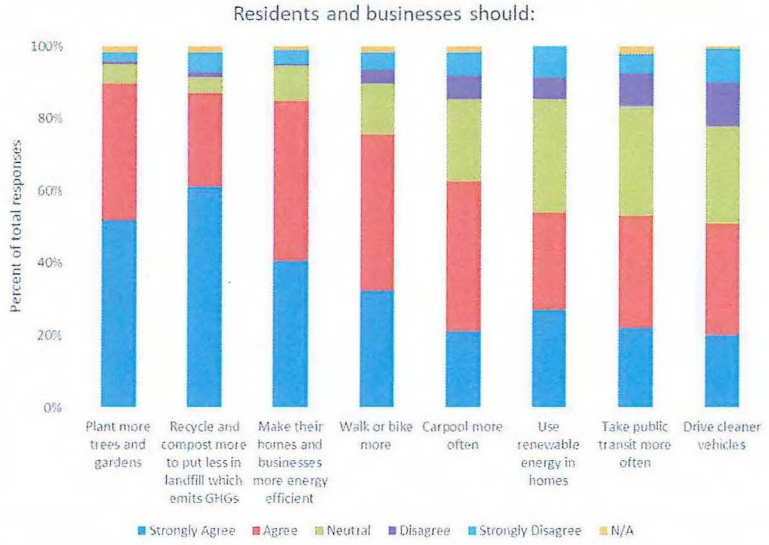
What We Heard



Actions – for City



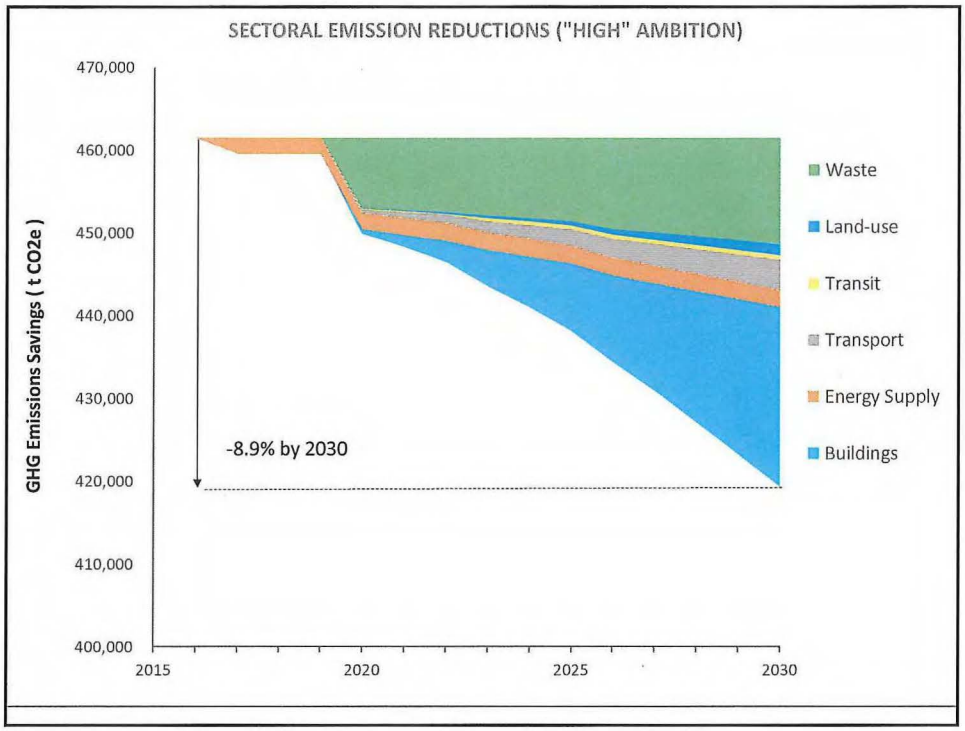
Actions – for Community



Targets

Scenario	Stabilize by 2030?	Reduction* by 2030	Reduction per capita ($t CO_2e$)
Low	No	-3.4%	4.25
Medium	No	-4.5%	4.37
High	Yes	-8.9%	4.85
High+	Yes	-9.0%	4.86

* From Business as Usual (BAU)



Low Scenario – 3.4%

Action	Start	Capital	Operating	GHG Reductions ($t CO_2e$)
LED Streetlights	2017	no additional costs		21,900
Solar on LRC, Ops	2017	no additional costs		26,600
Energy Retrofits to City Buildings	2019	requested in 2019 budget		25,500
Infill/High Density Policy	2020	within existing resources		36,200
Mixed Use Development Policy	2020	within existing resources		11,500
Biocover for Landfill	2019	LDRWMA		216,300
Garbage Baling	2019	LDRWMA (potential increase in environmental fee)		91,700
Tree Planting	ongoing	in operational budget		1,595

Medium Scenario – 4.5%

Action	Start	Capital or One-Time	Operating	GHG Reductions (t CO_2e)
Efficiency Education for Staff *	2023	-	$5K	2,800
Promote Efficiency Programs	2020	in 2019 business case		13,700
Buy Best in Class New Fleet	2020	within existing resources		400
Promote Active Transport, Enhanced Transit, U-Pass *	2020	$50K		22,080
Electric Vehicle Charging Stations Policy for New Developments	2023	within existing resources		250
Enhance Commuter Transit *	2026	$600K	$200K	6,600
Promote Secondary Suites *	2023	-	$10K (2023-25)	3,800
Differential Tippage Fees	2020	LDRWMA (potential increase in environmental fee)		500

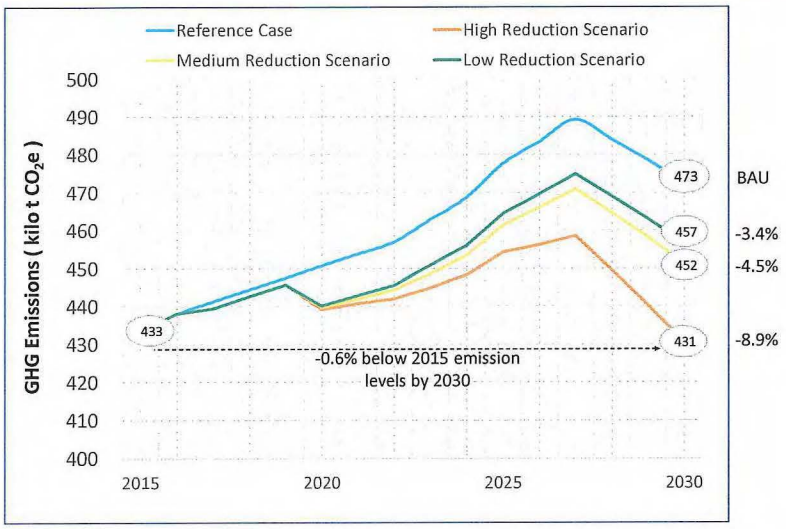
*costs not contained in existing budgets

High Scenario – 8.9%

Action	Start	Capital	Operating	GHG Reductions (t CO_2e)
Standards for City Buildings	2026	TBD		9,600
Public Electric Vehicle Charging Stations *	2026	$150K	-	690
Electric Commuter Bus *	2026	TBD		350
PACE (Res. and Comm. Buildings)	2021	TBD		474,950
ICI/MF Waste Reduction Educat.	2020	in 2019 business case		1,015
ICI/MF Organics Diversion	2026	TBD		8,975
Pay-as-You-Throw *	2026	$300K	-	5,205
Organics Processing Facility	2026	LDRWMA (potential increase to environmental fee)		51,725
New Solar Existing City Bldgs *	2023	$750K	-	7,445

*costs not contained in existing budgets

Absolute reductions – all scenarios



Next Steps

- Wednesday, January 23 – Open House at LRC
- February – Draft Plan posted, consult stakeholders
- April – Seek Council Approval

Comments? Questions?

- Targets
- Actions
- Other Input

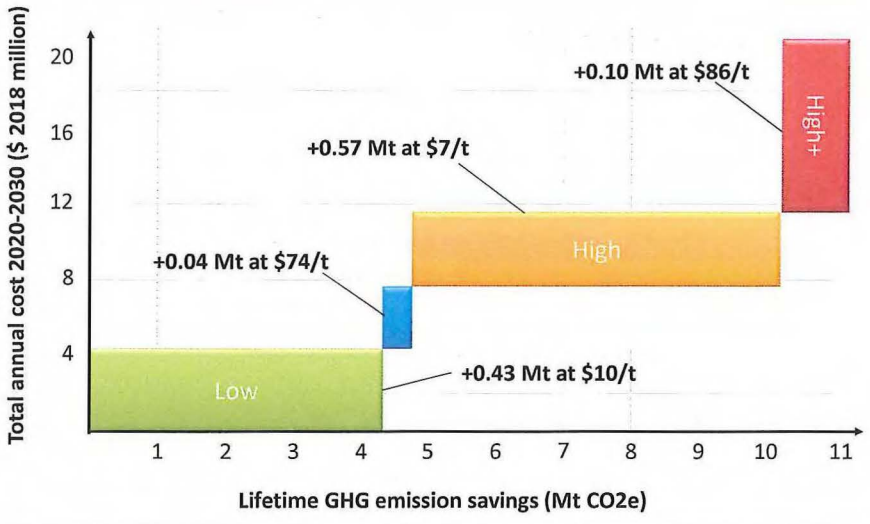
Optional Slides

CITY OF Leduc

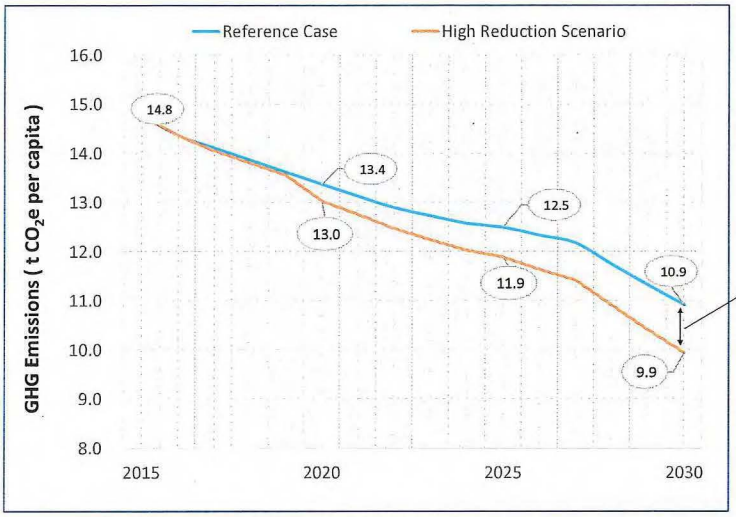
GHG reduction actions by scenario

Low (-3.4%)	Medium (-4.5%)	High (-8.9%)
LED streetlights	EE education for staff	Building standard for City
City – existing solar PV	Promote existing EE programs	Early retirement of fleet
ESCO (retrofits to buildings)	Buy best in class new fleet	Public EV charging stations
Infill – high density develop.	Promote active transport	Electric commuter bus
Mixed use development	EV charging stations new dev.	Organics processing facility
Biocover for landfill	Enhance transit	PACE (res. and comm. buildings)
Garbage baling	Market UPass	Educ comm. organics separate
	Enhanced transit marketing	Mandate comm. org. separate
	Promote secondary suites	Pay-as-you-throw
	Differential tippage fees	New PV for existing City bldgs.

Reductions vs. Costs

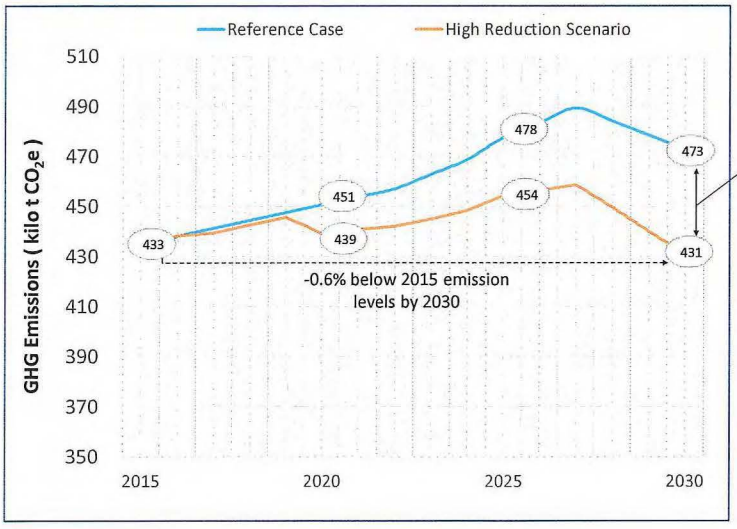


Reductions per capita – high scenario

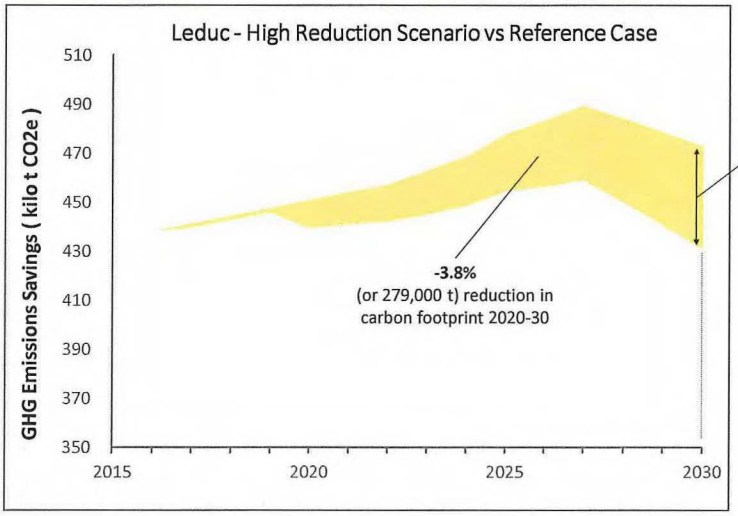


Example of target: **GHG emission below 10 t per person by 2030**

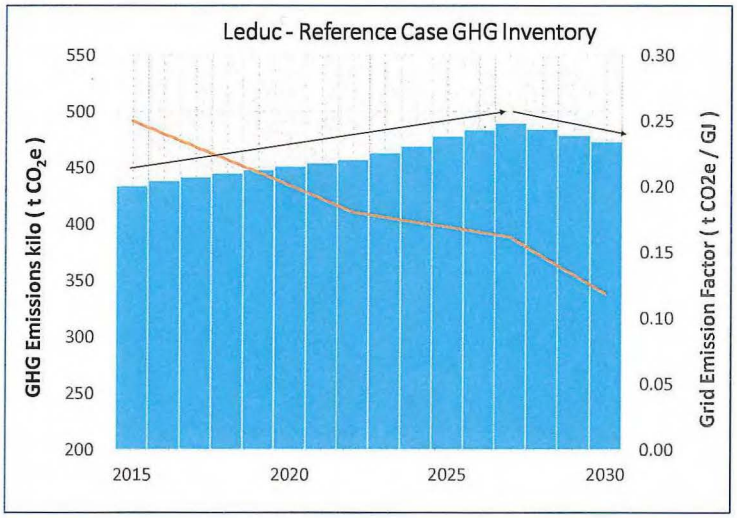
Absolute reductions – high scenario



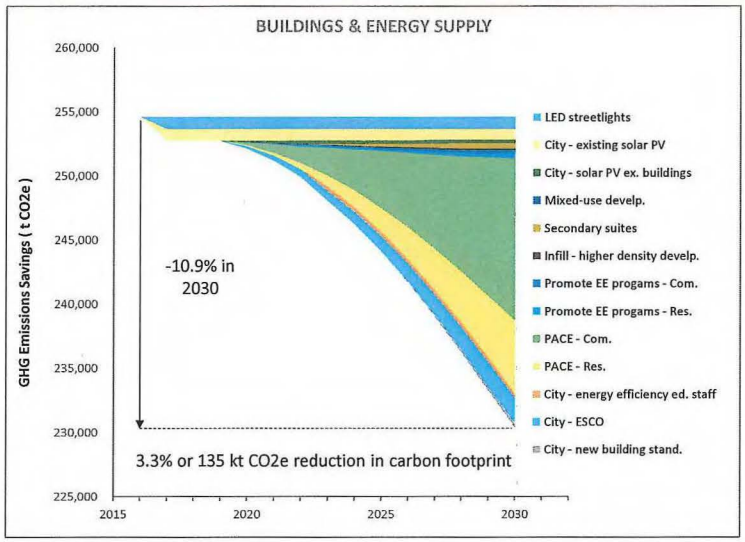
Absolute reductions – high scenario



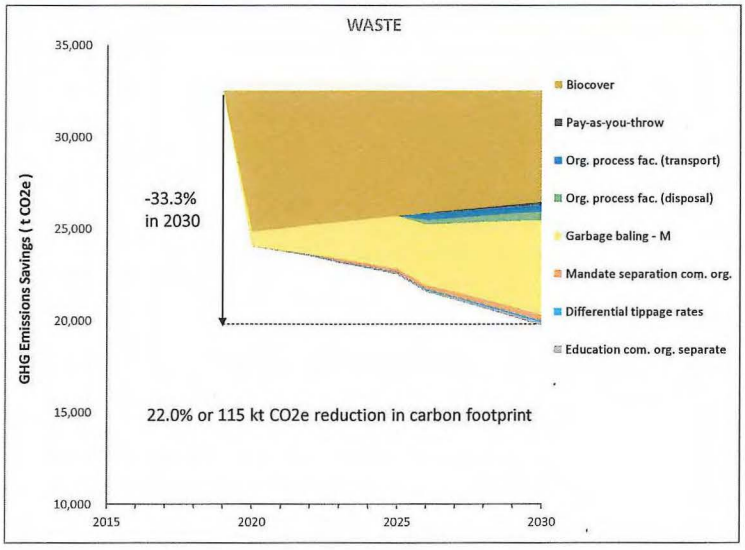
Influence of grid electricity emission factor on Reference Case



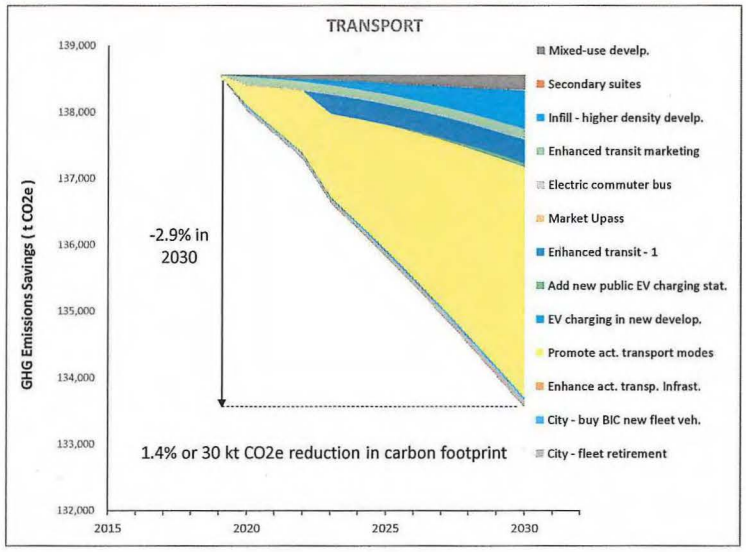
Reductions by buildings & energy supply – high scenario



Reductions by waste – high scenario



Reductions by transport – high scenario



Cap + Op Costs

$3.7 million
+
$0.7 million

Benefits

$36.4 million

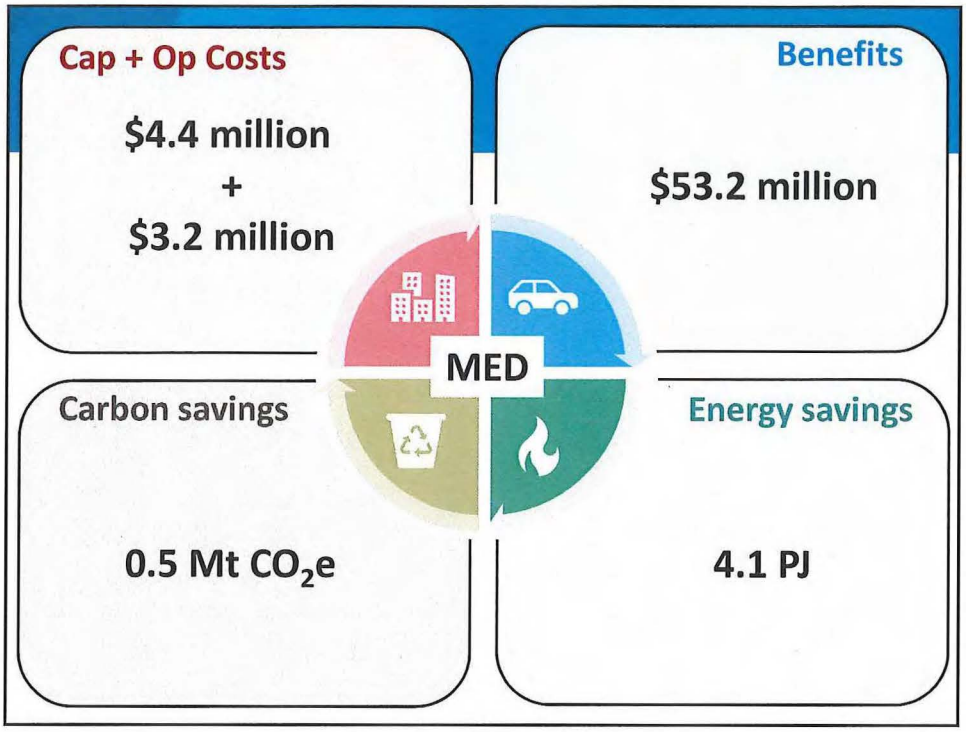
LOW

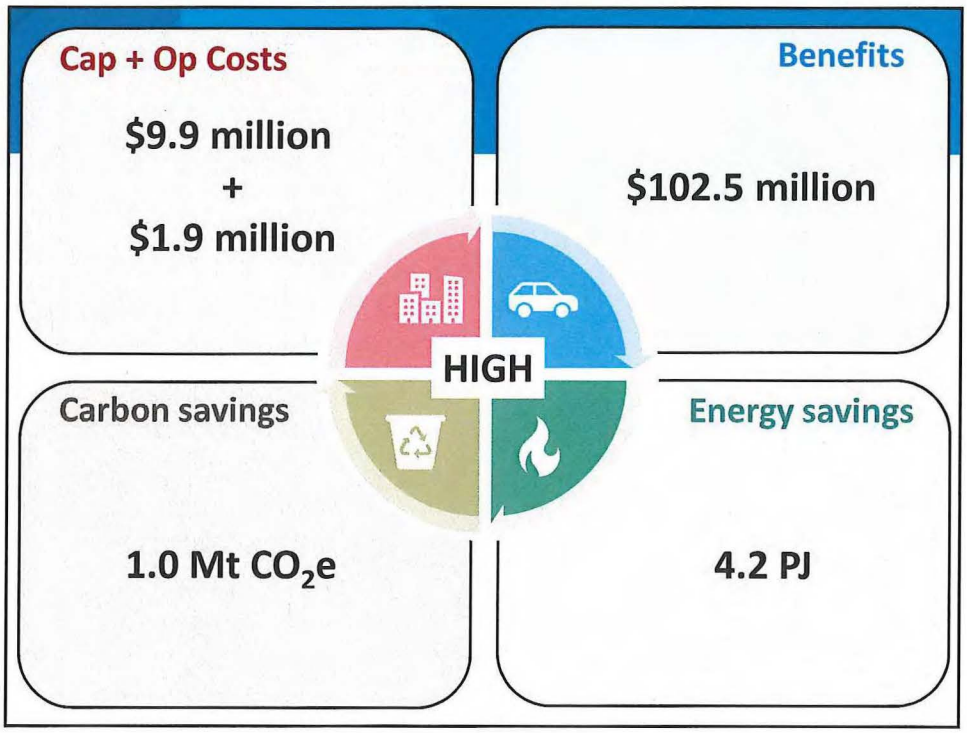
Carbon savings

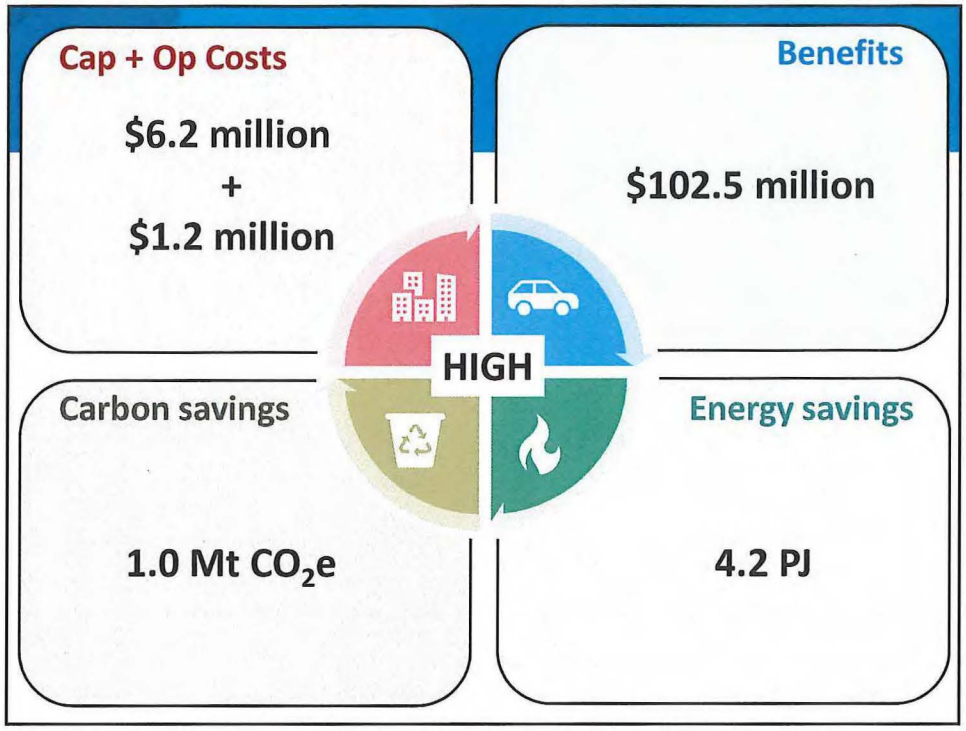
0.4 Mt CO_2e

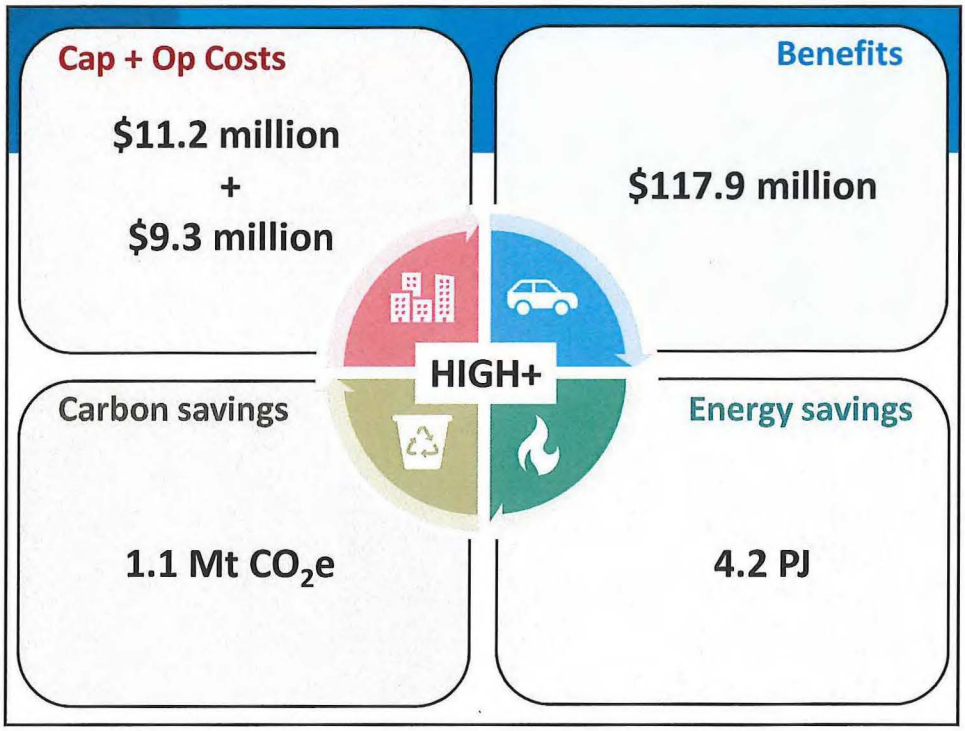
Energy savings

3.6 PJ

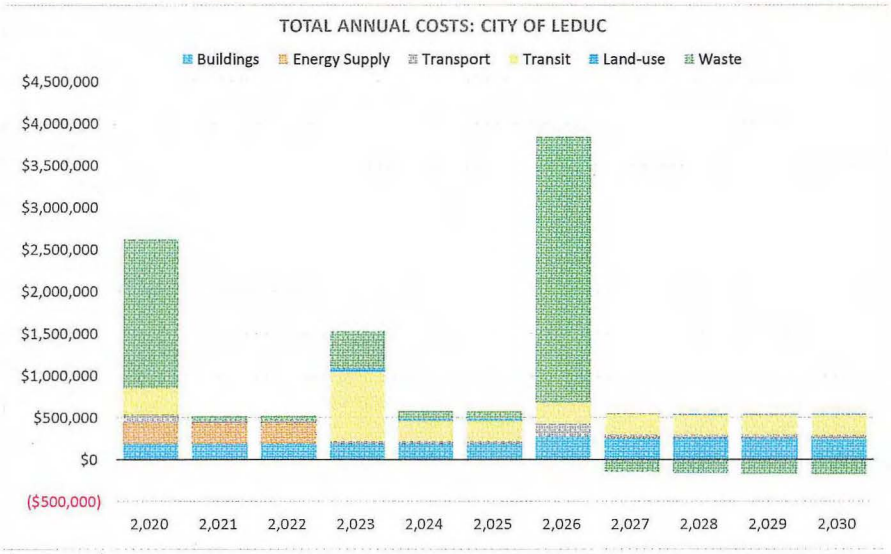

Cap + Op Costs
$4.4 million
+
$3.2 million
Benefits
$53.2 million
MED
Carbon savings
0.5 Mt CO_2e
Energy savings
4.1 PJ


Cap + Op Costs
$9.9 million
+
$1.9 million
Benefits
$102.5 million
HIGH
Carbon savings
1.0 Mt CO_2e
Energy savings
4.2 PJ

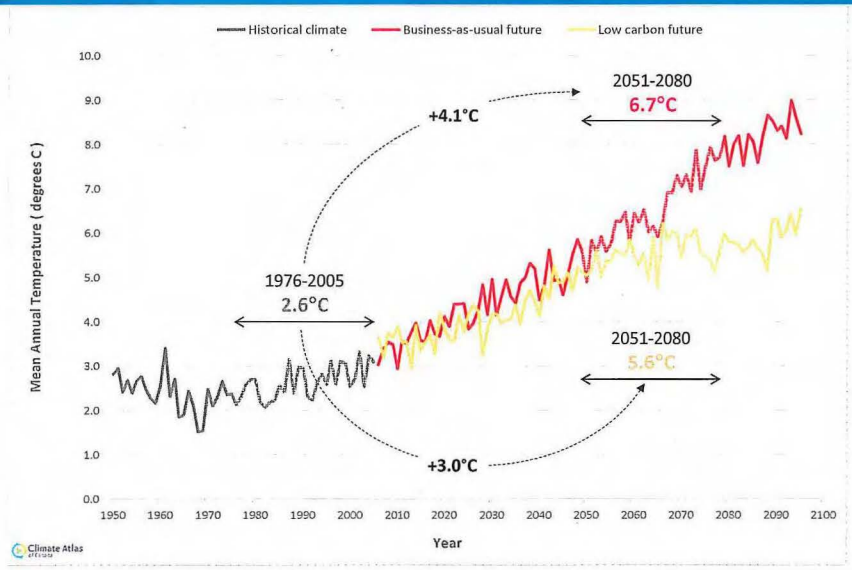

Cap + Op Costs
$6.2 million
+
$1.2 million
Benefits
$102.5 million
HIGH
Carbon savings
1.0 Mt CO_2e
Energy savings
4.2 PJ


Cap + Op Costs
$11.2 million
+
$9.3 million
Benefits
$117.9 million
HIGH+
Carbon savings
1.1 Mt CO_2e
Energy savings
4.2 PJ

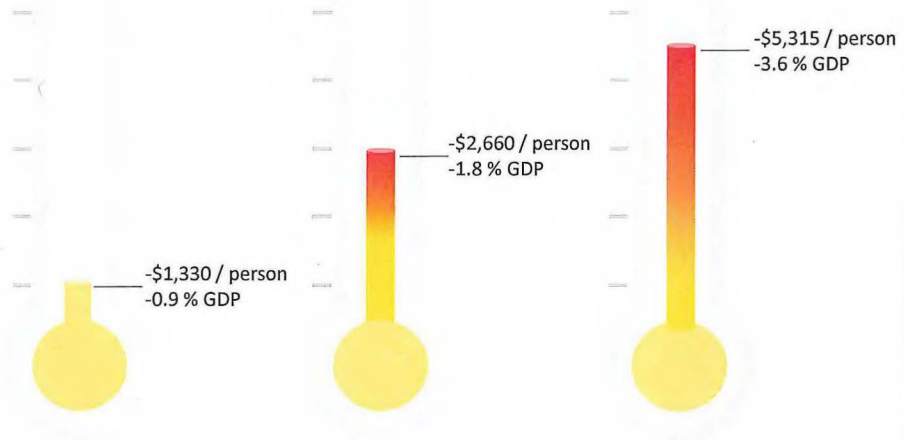
Potential cashflow implications for City of Leduc – high scenario



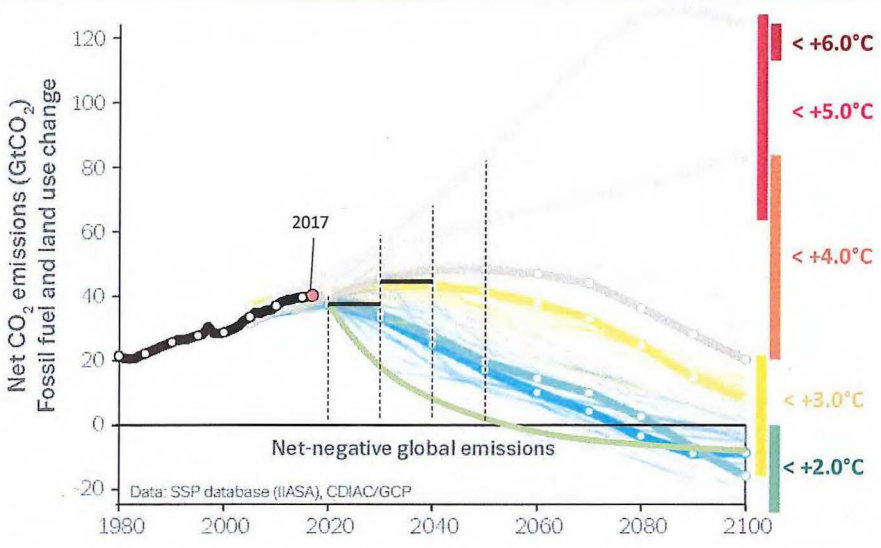
Annual temperature for City of Leduc under two climate futures



Costs of different levels of warming



Different carbon footprints underling different levels of warming



Managing climate change starts in cities

Urban areas are responsible for up to **70%** of anthropogenic GHG emissions