

**LEDUC ENVIRONMENTAL ADVISORY BOARD
REGULAR MEETING
TUESDAY, November 8, 2022
TELFORD STREET BOARDROOM, CIVIC CENTER
PAGE 1**

REGULAR MINUTES Minutes of the LEDUC ENVIRONMENTAL ADVISORY BOARD Regular Meeting held Tuesday, November 8, 2022 Telford Street Boardroom, Civic Center.

PRESENT: Wendy Yule
Lynne Chalmers
Mindy Paradis
Brittany Onysyk
Benjamin McDonald
Councilor Lars Hansen

WITH REGRETS: Sheila Ruddy
Jenna Chernuka – City Representative
Councilor Ryan Pollard
Ngaire Nix

ALSO PRESENT: Michael Hancharyk – City Representative
Alysha Laviolette – Recording Secretary

CALL TO ORDER I. CALL TO ORDER

Wendy Yule called the meeting to order at 5:59 p.m.

APPROVAL OF AGENDA

• **APPROVAL OF AGENDA**

35/2022

MOTION: It was Moved by Councilor Hansen to approve the November 8, 2022, Agenda.

MOTION CARRIED

APPROVAL OF MINUTES

• **APPROVAL OF MINUTES**

36/2022

MOTION: It was Moved by Lynne to accept the meeting minutes of October 18, 2022, as circulated.

MOTION CARRIED

SAFETY MOMENT

• **SAFETY MOMENT**

- As were getting back to the colder weather, we potentially will be sitting for longer periods of times. To avoid this, we need to add more movement into our lives. Sitting for too long has proven health concerns, try to get up and stretch regularly and incorporate 20 mins of exercise a day.

**LEDUC ENVIRONMENTAL ADVISORY BOARD
REGULAR MEETING
TUESDAY, November 8, 2022
TELFORD STREET BOARDROOM, CIVIC CENTER
PAGE 2**

REPORTS

- **Chair's Report**

- Jasper Park Lodge (celebrating their 100th birthday this year) has a sustainability program, committing to net zero by 2050:
 - phasing out single use plastics by Dec 2022
 - greenhouse (since 1920's) grows flowers, microgreens, and root veggies
 - low flow bathroom fixtures/energy efficient light bulbs/organics diversion - introducing a net-zero carbon calculator to measure the carbon output of events, conferences etc.
 - phasing out Keurig coffeemakers - collect unused soap, shampoos etc. to be sanitized and donated - awarded 5/5 green keys x 5 years Green Key (third party global Eco Audit)
- Conference Plastics discussion:
 - Burning plastics for fuel is NOT a solution and is not recycling
 - Recycling plastic to plastic is not a good solution either
 - we're now consuming and inhaling microplastics
 - the equivalent of 1 garbage truck of plastics is dumped in the oceans every minute
 - less than 9% of plastics are actually recycled in Canada due to contaminated loads, improper sorting & inaccurate or inconsistent labeling
- Keynote speaker: Heidi Sanborn (California) the founding Director of the National Stewardship Action Council, Executive Director, California Product Stewardship Council. Heidi Sanborn has been a leader in the solid waste industry in California for 25 years, working with industry, government, and the public to reduce waste, improve product design and recyclability, and implement cost-effective policies to protect public and environmental health. She is an internationally recognized advocate for Extended Producer Responsibility (EPR) and a circular economy. Heidi has worked to get many environmental bills passed in California, including the Truth in Labelling Bill in 2022. <https://youtu.be/ltPuilCupB0>

**LEDUC ENVIRONMENTAL ADVISORY BOARD
REGULAR MEETING
TUESDAY, November 8, 2022
TELFORD STREET BOARDROOM, CIVIC CENTER
PAGE 3**

- Other Speakers – Electronics Producers Recycling Association (EPRA), eTracks Tire Management Systems, Canadian Electrical Stewardship Association, Circular Materials, Product Care association and Clean Farms. Good to know so many organizations are working on circular economy initiatives.
- Canadian Battery Association – process in place to recover materials from lead batteries, not so with lithium batteries in EV's. Short circuit may occur in cell – risk of explosion, fire, toxic fumes. Collection centers are unable to obtain insurance coverage due to risks. Few auto scrap dealers have experience or training to deal with lithium batteries. However, lithium batteries last a long time, 10-15 years and 1. may outlive the vehicle. In the future, lithium car batteries may be leased and (and tracked like welding tanks), not owned by the car owner. Reminder: Before storing old lithium batteries be sure they are completely discharged to mitigate fire risk.
- Solar Energy Industries Association – end of life management of solar panels in ~30 years. Challenge – recovering metals from battery cells. Currently the owner pays end-of-life costs. SEIA has multiple approved recyclers across the USA. On a positive note, very few solar modules were damaged during the last hurricane.
- U of Calgary – School of Business. Prices of solar panels have dropped by ~90% and their use will quadruple by 2030. Solar power is cheaper and hopefully the economy of scale will drive down the end-of-life costs.
- Change Toothpaste – there are 11 layers of plastics and polymers in toothpaste tubes, which aren't recyclable. Over a billion go into landfills/ oceans each year, taking 500 years to break down. Toothpaste also has preservatives in it. Change toothpaste tablets have only 8 ingredients and packaging is recyclable.
- Hyon Software – developed a program to help organizations understand what their assets are and sell used items (furniture etc) rather than donate or discard it.
- Zero Emission Light Bulb Recycling – Winnipeg: Designed a machine to safely smash bulbs, contain 97% of the toxins (like mercury) and separate the components, all of which are recycled into asphalt and shingles etc.
- Keynote speaker: Emma Loudon, Astrophysicist. Sustainability in space? Space debris (down to 2 cm size) is being tracked, who is responsible for clean-up? The burning up of satellites creates pollution. 10 rockets are launched daily around the world. Mercury is released. The Atlantic is a “trashcan” from NASA activities in the 60's. Fortunately, reusable booster rockets are in use. There are many innovations: Companies like

**LEDUC ENVIRONMENTAL ADVISORY BOARD
REGULAR MEETING
TUESDAY, November 8, 2022
TELFORD STREET BOARDROOM, CIVIC CENTER
PAGE 4**

“Crow’s Nest” have developed a risk assessment tool to map satellite debris. Astroscale is working on a model to collect and remodel debris, even in space. Satellites can now track hurricanes, storms, animal populations & migrations, traffic patterns, monitoring of illegal mining/deforestation. NASA can measure water levels on earth and predict flooding.

- Fun fact: The Britta water filter was developed in the 1980’s for space flight

- **Council’s Report**

- The City is now working on the budget for 2023, it is a 12 month process. Public deliberation is in November and concludes at end of November.
- In 2023 we are building pickle ball courts. The City has a huge need for these courts. We are looking at bringing the 55 plus games to Leduc. The plan is to build 8 pickle ball courts in Lede Park.
- The City has been touring many facilities with indoor turf, this is also a big need in the community. This type of facility will be for soccer, rugby, football etc. We will be looking at adding a sports dome to the 2024 budget.
- Inflation is a hot topic right now; and it is playing into the city finances. We are seeing it impact different developments like 65th Ave.
- Councilor Hansen attended the ARPA conference. An interesting take away from this conference was the discussion about the City of Edmonton and what they did in terms of covid and recreation/ parks. The City of Edmonton took old planters that were on streets and boulevards and repurposed them throughout a few different neighborhoods. They did pop up community gardens, and it was very successful. They also spoke about centralized gardens and donating the produce grown in these gardens to the food bank.
- The Deer Valley gardens is a pilot project garden. This season was the first year and we had a line of people waiting to get those plots. It is now full, and the residents are very excited about it.
- Communities in bloom, the City was judged in an international competition and was given a silver medal. One of the things the judges touched on was our Hens and Bee’s program.

**LEDUC ENVIRONMENTAL ADVISORY BOARD
REGULAR MEETING
TUESDAY, November 8, 2022
TELFORD STREET BOARDROOM, CIVIC CENTER
PAGE 5**

Administration's Report

- Staffing Changes: Introducing our new Manager of Environment, Michael Hancharyk.
- Recruitment Process: We will have a total of 6 vacancies come January. Currently, we've received 5 new applications and 2 requests for re-appointment. A reminder of timelines is outlined below:
 - October 5: Recruitment campaign launch.
 - November 7: Application deadline.
 - November 8: City Clerk will email application packages to Board Admin Liaison, Chair, and Council Rep to review.
 - November 10-24: Interview window (Board Admin Liaisons may arrange interviews with the Chair and/or Council Rep if they choose to.
 - November 28: Deadline for Board Admin Liaison, Chair and Council Rep to submit recommended appointment names to City Clerk.
 - November 30: City Clerk to submit Council Reports with recommendations into the eScribe workflow.
 - December 12: Appointment recommendations will be presented to Council during the Closed Session portion of the meeting.
 - January 11: Orientation Session held for newly appointed board members.
- Bylaw amendments: Confirmed that all amendments would need to be summarized, sent to our Legal team for review/refinement, and then presented to Council by LEAB. Confirm whether the board would like to proceed with amendments
- Lynne and Wendy to go through the bylaw and make note of any changes LEAB wishes to implement

APPROVAL OF REPORTS

37/2022

UNFINISHED BUSINESS

APPROVAL OF REPORTS

MOTION: It was moved by Mindy to accept the above noted reports for information purposes only.

MOTION CARRIED

UNFINISHED BUSINESS

Actionable Initiatives

**LEDUC ENVIRONMENTAL ADVISORY BOARD
REGULAR MEETING
TUESDAY, November 8, 2022
TELFORD STREET BOARDROOM, CIVIC CENTER
PAGE 6**

- **Pollinators and Pesticides – Update**
 - The y-station survey is open until November 10th, they have been proactively making many calls to residents.
- **Green House Gas Plan/CEIP – Update**
 - No update
- **Telford Berms and Buffers – Update**
 - Leduc Wildlife Conservation Society presents to council on November 28th for anyone interested in attending.
- **Light Efficiency Community**
 - Strathcona county to attend the dark skies subcommittee meeting.
- **Waste Management – Business (ICI) and Multi-Unit (MU) Waste Diversion**
 - Currently arranging interviews with two proponents.
- **Environmental Plan**
 - No Update

Topics to Monitor

- **Watershed and Coal Policy**
 - An Alberta Government report found that Window Mountain Lake now has contaminants in it from coal dust that has blown into the lake. This should be a consideration when talking about considering coal mines again as these contaminants can be airborne.
- **Single Use Plastic**
 - Sarah Wilmott from City of Edmonton is heavily involved in Edmonton's Single Use Plastic Ban. She will be sharing her method of bringing the ban to light by the end of the year. Michael will update LEAB in January when we have any info that could help Leduc think about reducing single use plastics.
- **Tree Protection – Policy/Bylaw**
 - No Update

**LEDUC ENVIRONMENTAL ADVISORY BOARD
REGULAR MEETING
TUESDAY, November 8, 2022
TELFORD STREET BOARDROOM, CIVIC CENTER
PAGE 7**

**NEW
BUSINESS**

NEW BUSINESS

**OPEN
DISCUSSION**

OPEN DISCUSSION

N/A

ADJOURNMENT

ADJOURNMENT

38/2022

MOTION: it was moved by to adjourn the meeting at 7:34p.m.

NEXT MEETING

NEXT MEETING

MOTION CARRIED

The next meeting will be held on December 13, 2022 Telford Street Board Room



Chair



Recording Secretary