

Louisville Sustainability Advisory Board

Agenda

February 19, 2020
City Hall, 749 Main Street, Spruce Room
6:30 - 8:00pm

1. 6:30PM Call to Order
2. Roll Call
3. Approval of Agenda
4. Approval of Minutes
5. 6:35PM City Staff Updates (10 minutes)
6. 6:45PM Public Comments on Items Not on the Agenda (5 minutes, more as needed)
7. 6:55 PM LSAB Member Updates and Reports (5 minutes, more as needed)
8. Discussion Item: Sustainability Action Plan – First Review
9. Administration Tasks
 - A. Log Volunteer Hours
 - B. Work Plan Review for Next Meeting
10. Adjourn

Louisville Sustainability Advisory Board

Meeting Minutes: Wednesday January 15, 2020

City Hall, 749 Main Street, Spruce Room

Chair: Allison Johanson

Secretary: Seth Adams

1. **Call to Order:** The meeting was called to order at 6:30PM
2. **Roll Call: (members present in bold):** **Seth Adams, Allison Johanson, Laura Levesque-Catalano, Mark Persichetti, Melanie Dubin, City Sustainability Coordinator Katie Baum, Dan Mellish, Tiffany**
3. **Approval of Agenda:** Approved with no changes
4. **Approval of Minutes:** Approved with no changes
5. **City Staff Updates:**
 - A. See Katie's memo (attached)
 - i. Charging at Rec Center - pricing is being reviewed.
 - ii. Allison suggested more visibility into the benchmarks on Energy data.
 - iii. Louisville is hosting Regional Sustainability Director's Q1 2020 meeting January 22nd from 9am-1pm at the Arts Center. More information see attached.
 - iv. The underpass project is expected to be finished mid-June 2020.
 - v. Counsel wants to see a draft of the updated Sustainability Report before they adopt it. This might delay the final version until May.
 - vi. Xeriscape will be installed at the golf course
6. **Public Comments on Items Not on the Agenda:** No public comments

7. LSAB Member Updates and Reports:

A. Laura: Recycle Colorado is hosting a meeting Monday Feb 24th to discuss several bills they are sponsoring in 2020. This is a full day event with joining a legislative session and a social event with representatives afterwards.

- i. Composting closed loop in Colorado.
- ii. End market for recyclables.
- iii. Senate bill 20-010

B. Tiffany:

- i. Thursday night Jan 23rd at LMS (Louisville Middle School) from 6PM-8PM will host a discussion on Plastics with Dr Buffington. See below for details.

https://www.canva.com/design/DADs9_i3o7Y/Bto1oKnHpF26O802dlMAUA/view?utm_content=DADs9_i3o7Y&utm_campaign=designshare&utm_medium=link&utm_source=sharebutton

- ii. Plastic lobby March 5th or 6th at the Capital in Denver
- iii. Tiffany is planning Native grass planting for kids during Earth week. More details to come.

C. Allison:

- i. The Council wants 3-5 priorities from the Sustainability Action Plan (SAP) that Council should focus on.
- ii. The Council also wants 'weighted priorities' overviewed in the SAP. LSAB discussed using this language and working it into the plan. It may be best served in an ancillary attachment. TBD as the update process continues.
- iii. Herbicide use in the city is on the City's work plan. Input from LSAB would be influential in potential program updates. The addition of a goal in the 'Ecological Health' section of the SAP will support moving toward discontinued use of herbicides of public and environmental health concern. Allison has attended

PPLAB meetings on this topic to coordinate support and ideas for program improvement.

- iv. Solar access ordinances – Council has discussed this topic and LSAB may want to discuss the potential framework around an ordinance for the City.
- v. Bag tax or fee – Council has discussed this topic and will benefit from LSAB input on tax vs. fee as well as single use paper/plastics or just plastic bags. A fee could be simply imposed whereas a tax would need to be voted on. Tax revenue can be more broadly managed and used.

8. Discussion Item: Wildlife Management

- A. Due to recent events at the church in Lafayette, we wanted to discuss possibly recommending an ordinance to the council. Lafayette is currently working on a permit process.
<https://www.coloradohometownweekly.com/2019/11/27/lafayette-city-council-approves-recommendations-made-by-prairie-dog-advisory-group/>
- B. LSAB supports adding language to the Environmental Health Section of the SAP that would support sustainable practices related to wildlife management.
- C. LSAB is supportive of adopting a similar permit process and policy that is being drafted in Lafayette.
- D. It was discussed to potentially draft a letter from LSAB to Council in support of amending City policy to support sustainable practices related to wildlife management.

9. Discussion Item: 2020 LSAB Introduction and Overview

- A. Introductions and Welcome
 - i. Seth Adams – Finance at Eco-Products a compostable foodservice disposable company located in Boulder.
 - ii. Allison Johanson – Public Health background in the Air Force.

- iii. Dan Mellish – 18-year resident. Louisville Historical Commission for 17 years. Chair for the last 12 years.
- iv. Laura Levesque-Catalano – Recycle Colorado programs Director.
- v. Tiffany Boyd – 27-year resident. Retired Teacher at BVSD after 23 years.
- vi. Mark Persichetti – Retired. Board member since 2004, helped write the previous sustainability action plan for the city.
- vii. Melanie Dubin – Sustainability building and investing specialist.
- viii. Katie Baum – From City of Fort Collins – Policy sustainably / purchasing. Current Grad student.

B. 2020 Work Plan Overview

- i. See attachment
- ii. Herbicide discussion next week
- iii. Working document that will be updated.

10. Discussion Item: 2019 Wrap Up and Sustainability Highlights: Will move this until next month

11. Discussion Item: 2021/2022 LSAB Budget Requests

- A. Katie is looking for operating requests.
- B. Full time sustainability position: LSAB is in full support of increasing this to a full-time job in the 2021 budget. We feel we are behind many of the other municipalities by having this position only being part time. We are in full support of Katie and the great work she is doing. We will include task and time restraints to make our case to increase the hours.
- C. Funds for training / certifications on sustainability within the city staff.
- D. \$1,700 USDN (United Sustainability Directors Network).
- E. Money aside for sustainably purchases. Example Pest management/herbicides that may be more expensive than traditional chemicals or programs

- F. Discounted / Scholarship funding for sustainability programs for residents in need

12. Administration Tasks:

- A. Approval of Posting Locations - Approved
- B. Log Volunteer Hours

13. Log Volunteer Hours for the month of January 2020

Board Member	Activities	Hours
Seth Adams	Meeting prep, attendance	4
Melanie Dubin	Meeting prep, attendance,	3
Allison Johanson	Meeting prep, attendance	10
Laura Levesque-Catalano	Meeting prep, attendance	4
Dan Mellish	Meeting prep, attendance	4
Mark Persichetti	Meeting prep, attendance	9
Tiffany Boyd	Meeting prep, attendance	6
	Total Hours	

- C. Work Plan Review for Next Meeting

14. Adjourn 8:31 PM

Attachments:

2020 LSAB Meeting Schedule		
Meeting Date	Chair	Secretary
January 15	Allison	Seth
February 19	Allison	Melanie
March 18	Allison	Laura
April 15	Allison	Mark
May 20	Allison	Tiffany
June 17	Allison	Dan
July 15	-	Seth
August 19	-	Melanie
September 16	-	Laura
October 21	-	Mark
November 18	-	Tiffany
December 16	-	Dan

*A crossed-out name followed by a second name denotes a substitute.

Notes: Secretary should email minutes to LSAB Board Chair NLT 2 weeks before the next meeting. If either secretary or chair is unable to fulfill their assignment, they are responsible for finding a replacement.

Memorandum

To: Louisville Sustainability Advisory Board

From: Katie Baum, Sustainability Specialist

Date: February 19, 2020

Re: Staff Updates

General

- **LSAB**
 - **May 12th, 5:30 – 7pm: City Council and LSAB Study Session**
 - During the course of dinner, LSAB will give an annual update and have discussion with Council. The board presentation should be no more than 10 minutes. LSAB should identify topics to discuss with Council prior to the meeting.
- **Sustainability Action Plan Update**
 - Timeline
 - March – second LSAB review
 - April 7th – City Council first review
 - May – City Council adoption
- **Green Business**
 - Green Business celebration will take place on **February 27th from 6:30 until 9 pm at Sweet Spot Café**. Currently over 30 RSVP'd from 15 businesses, City staff, County staff, Councilmembers and Xcel Energy.
 - Communications to be developed and distributed include: March digital newsletter, press release, website article, social media and Platinum awardees case studies
 - Green Business Breakfast will take place on **Wednesday, May 20th from 7 until 9 am**. Eventbrite to RSVP will be developed and distributed.
 - For the 2020 program year:
 - Goals:
 - Add 5 new businesses to the program
 - Retain 80 percent of the 2019 applicants (approx. 31 of the 2019 businesses)



City of Louisville

City Manager's Office

- Continue to formalize through consistent communications
 - June – Green Business will be at the Chamber Happy Hour
 - Workshop calendar is being formed
- **Sustainability Events/Programming**
 - April
 - April 2nd, 6 – 8 pm, Louisville Center for the Arts: Biggest Little Farm film screening
 - April 16th, 7 – 8:30 pm, Louisville Library: Making a Life and a Living: Environmental Careers
 - April 22nd, 9 – 11 am, Community Park: Earth Day Cleanup
 - April 25th, 9 – noon, Ascent Church Parking Lot: Hazardous Waste and E-Waste Disposal Drop Off
 - May
 - May 9th, 9 – noon, Louisville Library: Bike to Books w/Library
 - May 20th, 7 – 9 am, Louisville Center for the Arts: Green Business Breakfast
 - June
 - June 24th, 6:30 – 9 am, City Hall: Bike to Work Day
 - August
 - TBD: Know Before You Go: Electric Vehicles and Ride-and-Drive
 - TBD: City Open House (August/September)
 - **SUPPORT NEEDED**
 - Biggest Little Farm – set up assistance
 - Volunteers?
 - Environmental Careers – outreach support
 - Volunteers?
 - Earth Day Cleanup – set up assistance
 - Volunteers?
 - Bike to Books – event assistance for tricycle course
 - Volunteers?
 - Meeting with Lafayette's WRAC on Sustainability Film Series – Laura providing update
- **Municipal Operations**
 - Adding sustainability section into New Employee Orientation
 - Evaluating purchasing policy to incorporate green practices
 - Audit planning with Xcel account manager and facilities manager
 - Portfolio Manager onboarding
 - Adding xeriscape to golf course
 - Continuing expansion of recycling/composting in parks/open space
- **Energy Future Collaboration (EFC)**
 - Facility audit planning with Xcel account manager and facilities manager



City of Louisville

City Manager's Office

- 2019 final program numbers requested
- Xcel communications manager and staff
 - Building climate action goals communications
 - Green business breakfast communications
- **Grants**
 - Current:
 - Boulder County Sustainability Matching Grant
 - Boulder County Zero Waste Grant
 - 2020:
 - RAQC Charging Station Grant

Next Steps

Seeking LSAB volunteers for events needing support.

Memorandum

To: Louisville Sustainability Advisory Board

From: Katie Baum, Sustainability Specialist

Date: February 19, 2020

Re: Discussion Item 8: Sustainability Action Plan – First Review

Summary

In 2012, the Louisville Sustainability Advisory Board tasked themselves with the creation of a document to outline recommendations for the City. The Sustainability Action Plan is intended to articulate Louisville's vision to create a more sustainable community as well as provide a roadmap for achieving our collective goals.

Adopted by City Council in 2016, the plan includes guidelines for internal City operations as well as communitywide approaches for residents and businesses. In general, the current plan has a focus on environmental impacts and their potential economic benefits.

Due to the nature of the Louisville Sustainability Action Plan (LSAP) as a guiding and living document, staff and LSAB has recognized needed updates to the LSAP and tasked themselves in 2019 with updating and amending the framework. Over the course of 2019, staff and LSAB have discussed necessary changes and updates. Staff has developed a first draft for LSAB's review. In this first draft, Appendix A (Priority Matrix at Council's request) and Appendix B are not provided as they are in development. Introduction copy has been left blank. These will be provided in March at second review.

Next Steps

Staff has developed a first draft for LSAB's review. Introduction copy to be decided on by LSAB.



LOUISVILLE

Sustainability Action Plan

2020 UPDATE

ADOPTED BY
CITY COUNCIL
MAY XX, 2020



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ACKNOWLEDGEMENTS

SUSTAINABILITY VISION

PLAN STRUCTURE

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ECOLOGICAL HEALTH

LOCAL FOOD + AGRICULTURE

APPENDIX A: STRATEGY PRIORITY MATRIX

APPENDIX B: 2020 UPDATE SUMMARY OF REVISIONS

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Acknowledgements

The City of Louisville Sustainability Action Plan 2020 update would not have been possible without the support and dedication of leadership, staff, the Sustainability Advisory Board and regional partners.

CITY COUNCIL

- Ashley Stolzmann, *Mayor*
- Dennis Maloney, *Mayor Pro Tem, Ward III*
- Caleb Dickinson, *Ward I*
- Chris Leh, *Ward I*
- Deb Fahey, *Ward II*
- Jeff Lipton, *Ward II*
- Kyle Brown, *Ward III*

SUSTAINABILITY ADVISORY BOARD

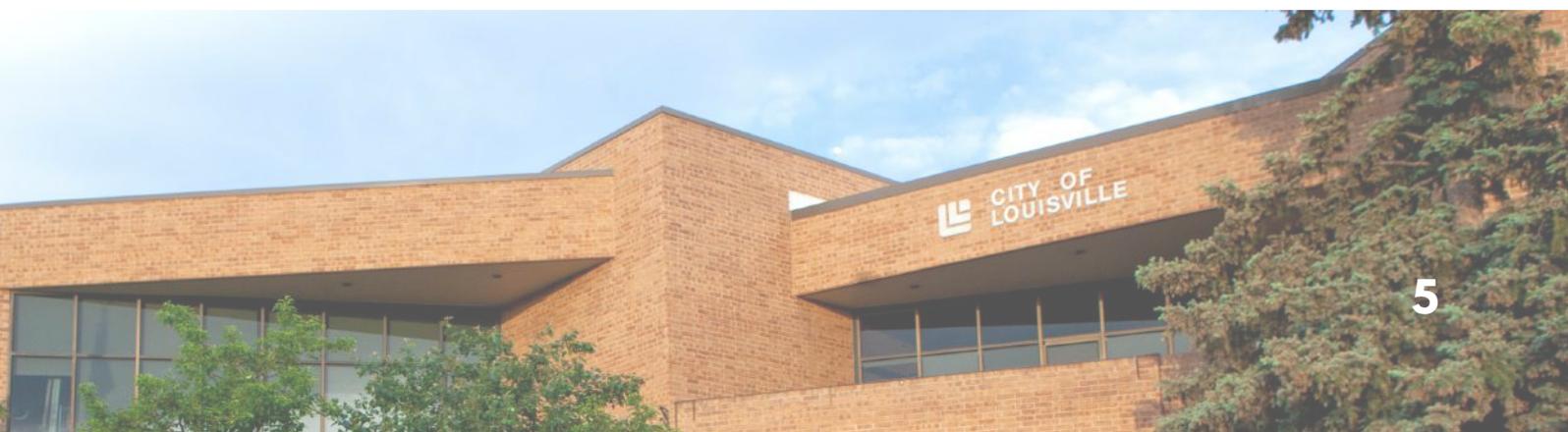
- Allison Johanson, *Board Chairperson*
- Mark Persichetti, *Member*
- Seth Adams, *Member*
- Laura Levesque-Catalano, *Member*
- Melanie Dubin, *Member*
- Tiffany Boyd, *Member*
- Dan Mellish, *Member*
- Marianne Martin, *Former Member*

CITY OF LOUISVILLE STAFF

- Heather Balsar, *City Manager*
- Megan Davis, *Deputy City Manager*
- Emily Hogan, *Assistant City Manager*
- Katie Baum, *Sustainability Specialist*
- Kurt Kowar, *Director of Public Works*
- Dave Szabados, *Facilities Manager*
- Cory Peterson, *Water Engineer*
- Nathan Moseley, *Director of Parks and Recreation*
-

GROUPS, ORGANIZATIONS AND STAKEHOLDERS

- Lea Yancy, *Boulder County*
- Tim Broderick, *Boulder County*
- Zac Swank, *Boulder County Partners for a Clean Environment*
- Matt Hannon, *Boulder County Partners for a Clean Environment*
- Craig Eicher, *Xcel Energy*
- Susan Davis, *Xcel Energy*
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IT IS WITH GREAT PLEASURE THAT I INTRODUCE THE FIRST UPDATE TO THE LOUISVILLE SUSTAINABILITY ACTION PLAN.



In 2012, the Louisville Sustainability Advisory Board (LSAB) tasked themselves with the creation of a Sustainability Action Plan, a framework to guide Louisville's vision to create a more sustainable community as well as provide a roadmap for achieving our collective goals. In November of 2016, City Council adopted Louisville's first Sustainability Action Plan. Since that time, our community has made significant progress to achieving our goals and strategies, and in order to continue our momentum, LSAB began the updating process in July 2019.

A few important projects and milestones that influenced the 2020 update include the following:

Community-Wide and Municipal Carbon-Free and Emission Reduction Goals

In August 2019, City Council unanimously agreed to renewable energy and carbon emission reduction goals for both the community and City operations. In order to achieve our goals and this significant step forward, an update of our guiding Sustainability Action plan was necessary.

Evolving Regional Partnerships and Opportunities

In September 2018, Louisville graduated from Xcel Energy's Partners in Energy program and moved forward with our ongoing partnership by entering into an Energy Future Collaboration. Unlike the previous Partners in Energy program, Energy Future prioritizes both renewable energy integration as well as energy efficiency and usage reduction.

Transportation Master Plan (TMP)

City Council adopted the Transportation Master Plan on October 1, 2019. The TMP is a comprehensive, multimodal look at transportation conditions and options throughout Louisville and the region and provides recommendations and alternatives that are critical for a sustainable future.

We have a lot of work remaining, but I'm happy to report that we have already achieved some of our targets and strategies, and we have many new and impactful sustainability opportunities on the horizon.

Your partner in sustainability

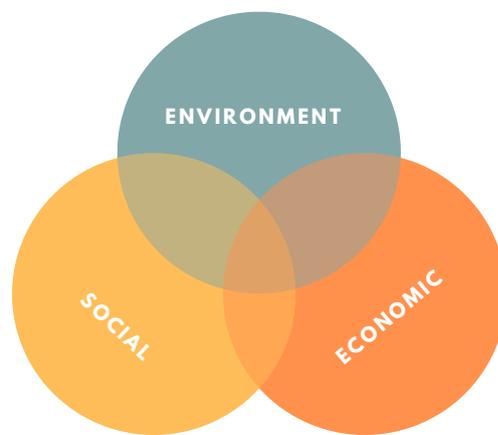
Heather Balsar
City Manager



Sustainability Vision

Sustainability is an integrated, ever-evolving concept that is vital in developing a resilient community. Defined in 1987 by the United Nations Brundtland Commission, sustainability is meeting the needs of the present without compromising the ability of future generations to meet their own needs. For any community to thrive, it must consider that all resources have limits.

The City of Louisville recognizes that sustainability is not based solely on environmental impact, and our sustainability vision utilizes the triple-bottom line approach when analyzing policy, operations and future decision-making. No solution can be sustainable unless it fulfills all three pillars.



ENVIRONMENTAL STEWARDSHIP

We conscientiously work to support our natural systems within Louisville and evaluate and consider the impact Louisville's operations, programs, services and regulations have on the local, regional and global environment.

SOCIAL EQUITY

Social equity is our active commitment to fairness and equality in policy consideration, implementation and distribution of public services.

ECONOMIC VITALITY

We are dedicated to making Louisville a vibrant and diverse business environment. Louisville takes a balanced approach to economic development to retain our existing business partners and attract new ones.



Plan Structure

This Sustainability Plan update is organized around seven inter-related sustainability topics: Climate, Energy, Transportation, Waste, Water, Ecological Health and Local Food and Agriculture. Each topic is separated into progressing steps forward and laid out by the following:

GOALS

Each topic has one associated goal that identifies the overall desired state of the community.

INTERNAL AND EXTERNAL OBJECTIVES

Each topic area and its corresponding goal are separated into internal and external objectives. Internal objectives and strategies are specifically related to municipal operations and procedures in order to lead by example. External objectives and strategies are aimed at the entire community, both residential and commercial.

NEAR TERM VS MID TERM STRATEGIES

Strategies are identified actions to achieve the described goals and objectives and are categorized as near term or mid term. Strategies within this plan have been included as priority. In this instance, near term is defined as a timeline of one to two years, whereas mid term is three to four years. At the end of four years, the planning process for the next update will be in progress.

Other major chapters of the Sustainability Plan include the following:

APPENDIX A

Strategy Priority Matrix

APPENDIX B

2020 Plan Update Summary of Revisions

INCORPORATED PLANNING EFFORTS

Louisville has completed multiple planning efforts that relate to sustainability. Throughout the engagement process of these plans, residents continuously voice their desire for environmental stewardship. The SAP update takes these plans into consideration and incorporates previous input, strategies and recommendations when applicable.

- Sustainability Action Plan 2016
- Boulder County Environmental Sustainability Plan
- City of Louisville Strategic Plan
- Transportation Master Plan
- Trail and Wayfinding Master Plan
- Comprehensive Plan
- Drought Management Plan



Climate



CLIMATE

INTRODUCTION

LSAB Written Intro?

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GOAL

Achieve emissions reductions targets identified in Louisville's climate action goals and become more resilient to the effects of climate change.



CLIMATE

INTERNAL OBJECTIVES

Reduce core municipal greenhouse gas emissions annually below the 2016 baseline through 2025.

NEAR TERM

Adopt internal policies that establish climate action as a top priority for the organization and guiding principle for decision making.

Ensure that all departments understand their role in achieving the climate vision and goals of Council.

MID TERM

Continue to be an active member in statewide organizations that are working on our behalf to combat climate change, such as Colorado Communities for Climate Action (CC4CA).

Please see other chapters of this plan for more municipal climate-related strategies related to specific topic areas such as Energy (PAGE XX), Transportation (PAGE XX), Waste (PAGE XX) and Ecological Health (PAGE XX).

COLORADO COMMUNITIES FOR CLIMATE ACTION



The City of Louisville is an active member of Colorado Communities for Climate Action (CC4CA), a coalition of 32 local governments across the state advocating for stronger state and federal climate policy. CC4CA members understand that climate change poses unique and severe risks to our communities and that we cannot meet our own local climate goals without effective state and federal policy.



CLIMATE

EXTERNAL OBJECTIVES

Reduce core community greenhouse emissions annually below the 2016 baseline through 2030.

NEAR TERM

Continue communications surrounding climate action and Louisville's climate action goals.

Promote local and regional programs and initiatives that assist residents and commercial entities in reducing their greenhouse gas emissions i.e. EnergySmart, Xcel Energy's Home Energy Squad, etc.

MID TERM

Explore a mandatory or voluntary benchmarking requirement for commercial and industrial buildings owners in Louisville and support collaboration on a County level.

Pursue future climate change preparedness policies and collaborative efforts at the local, regional, and state levels.

Please see other chapters of this plan for community climate-related strategies related to specific topic areas such as Energy (PAGE XX), Transportation (PAGE XX), Waste (PAGE XX) and Ecological Health (PAGE XX).

LEADING BY EXAMPLE



SOLAR AT WATER TREATMENT

The City has three on-site solar arrays to help generate power and offset energy consumption. The sites, located at the North Water Treatment Plant, the South Water Treatment Plant, and the Wastewater Plant, produce about 1,045 kW of electricity



CLIMATE

IMPACT



ENVIRONMENTAL

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ECONOMIC

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COMMUNITY IN ACTION



GLOBAL CITIZENS GEOGRAPHY CLUB

The Global Citizens Geography Club at Louisville Elementary School Is a student-driven and teacher-led school group that supports students be civically engaged while participating in the stewardship of our planet. Some of their efforts have focused on sustainable practices right here in Louisville, and some have been connected to larger issues of climate science and climate solutions. Students strive to educate and inform themselves and the students at their schools, while also reaching out to citizens of Louisville to share their learning. Recently, Louisville Middle School began a counterpart group, the Global Citizens Environment Club.



Energy





ENERGY

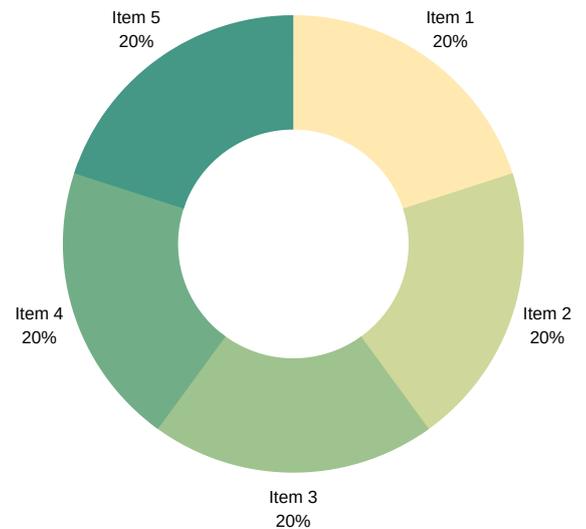
INTRODUCTION

LSAB written intro?

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GOAL

Reduce energy consumption, promote energy efficiency in new and existing buildings, increase the use of carbon-free energy and transition away from fossil fuels.

INTERNAL OBJECTIVES

Reduce Louisville's municipal energy consumption

NEAR TERM

Perform energy audits on all major City buildings.

Collect and track energy use data for all municipal buildings using utility data tracking software.

Implement facility audit recommendations in partnership with state and Xcel Energy programs and with consideration of resource limitations and other constraints.

MID TERM

Aim to achieve 80% of all points within the Energy and Atmosphere section of the USGBC LEED for new City building construction

Develop facility and job specific behavior and operational modification strategies.

Increase Louisville's integration of carbon-free energy

NEAR TERM

Continue working with Xcel Energy to analyze existing infrastructure and available programs to understand opportunities.

Identify budget requests and grant opportunities required for implementation.

MID TERM

Meet all of Louisville's municipal electric needs with 100% carbon-free sources by 2025.

Explore expansion of capacity of on-site electric and solar thermal generation to decrease energy consumption.

EXTERNAL OBJECTIVES

Increase energy efficiency in residential and commercial properties across Louisville

NEAR TERM

Adopt building codes and policies that promote energy efficiency in new and existing buildings.

Promote available efficiency and sustainability programs for residents and businesses.

MID TERM

Develop a campaign to encourage commercial benchmarking of energy consumption through the use of data tracking software.

Employ a targeted outreach strategy to engage facility managers and property owners on energy conservation efforts and resources.

Develop, market to the community and update Louisville guiding documents to further address energy conservation.

Increase renewable energy adoption in residential and commercial properties across Louisville

NEAR TERM

Identify barriers to renewable energy participation and facilitate implementation of solutions.

Evaluate need and consider solar access policy.

Promote low-interest financing for residents and businesses to integrate renewable energy.

MID TERM

Increase outreach and education efforts with local solar installers, efficiency contractors, residents and business owners.



ENERGY

IMPACT



ENVIRONMENTAL

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SOCIAL

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ECONOMIC

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LEADING BY EXAMPLE

MUNICIPAL EFFICIENCY UPGRADES

The City participated in nine Xcel Energy efficiency opportunities in 2019. The completed projects have an estimated energy savings of 679,416 kWh per year. That's the equivalent of taking 102 passenger vehicles off the road for one year!



COMMUNITY IN ACTION



COMMUNITY FOOD SHARE



Transportation





TRANSPORTATION

INTRODUCTION

LSAB written intro?

A city-wide multimodal transportation system is needed to meet the mobility and access needs of all users and to support health and wellness. This can be achieved by planning the land use and transportation infrastructure as a multimodal system that facilitate a balanced system and enhances travel by bicycle, transit, and foot.

As more people are spending time in Louisville, and traveling through the city to get to other regional destinations, it is important that the transportation network continues to develop to meet the changing and diversifying needs.

Infographic

GOAL

Provide and maintain environmentally sustainable and safe transportation choices for all Louisville residents to enhance community connectivity while reducing environmental impact.





TRANSPORTATION

INTERNAL OBJECTIVES

Reduce the GHG emissions from the City fleet.

NEAR TERM

Incorporate cyclist-safety and green driving training into employee education.

Continue ongoing evaluation the usage of city vehicles in order to make informed decisions about shared fleet and electric vehicle potential.

Install anti-idle devices within pilot percentage of police vehicles and evaluate effectiveness and cost savings.

MID TERM

Consider down-sizing or eliminating underutilized vehicles from fleet.

Develop EV charging stations in strategic City locations for future PHEV and EV fleet integration.

Actively promote the adoption of hybrid, plug-in hybrid electric vehicle (PHEV), and battery electric vehicles (BEV) for Louisville's fleet as appropriate technology develops.

Ensure all Louisville employees have access to multimodal means of local and commute travel, to reduce single-occupancy vehicle (SOV) commute trips, and explore creative ways to incentivize employees to reduce the carbon footprint of their travel



TRANSPORTATION

NEAR TERM

Survey employees to better understand commuting patterns and available solutions.

Incorporate EV infrastructure in any new construction and/or major remodels of county-owned buildings and provide employee pricing.

MID TERM

Offer transportation incentives to employees, such as Regional Transportation District (RTD) EcoPasses, pass books, Vanpool subsidies, Bike to Work Day incentives, secure bike parking, e-bike charging stations, and employee showers within each building.

Create new programs to mitigate vehicle miles traveled (VMT) such as parking cash-out programs, car-share opportunities, commute challenges with prizes and increased access to pool vehicles.

LEADING BY EXAMPLE



ELECTRIC VEHICLE CHARGING

In November 2019, the City completed installation of a Level 2 dual port at the Recreation and Senior Center. In efforts to achieve community climate action goals, the City is preparing for and implementing actions that support the increased use of plug-in electric vehicles (EVs) and decarbonization throughout Louisville and the region.



TRANSPORTATION

EXTERNAL OBJECTIVES

Increase modal choice and decrease the SOV share of local and regional trips

NEAR TERM

Facilitate participation in initiatives and programs that encourage residents to use bicycle and pedestrian transportation.

Continue efforts and build-out surrounding recommended actions within the Transportation Master Plan.

Pursue Bronze or Silver Bicycle-Friendly Community status.

Continue efforts to coordinate on a regional level to implement a bike share program.

Coordinate and communicate public transit programs.

MID TERM

Inventory and strategically improve Louisville bus stops to increase ridership, comfort and safety.

Evaluate a free ride program for income-limited residents.

Support the public adoption of EVs and assist in the installation of public charging stations

NEAR TERM

Support and promote installation of EV charging stations at commercial development and entities.

Provide educational opportunities and programs on PHEV and EV adoption to residents and commercial entities.



TRANSPORTATION

MID TERM

Evaluate EV-ready building code adoption.

Pursue opportunities for pooled purchasing programs for EVs and electric bikes with County or other regional partners.

Work with Xcel Energy through the Energy Future Collaboration to promote the public health benefits of EVs and alternative funding and initiatives.

Collaborate with regional agencies to develop solutions to provide sustainable transportation management services.

NEAR TERM

Participate in transportation policy monitoring and advocacy.

MID TERM

Work regionally to expand transit pass options and incentives.

Enhance shared transit facilities outlined in the Transportation Master Plan.

Coordinate vehicle share and transit operations.





TRANSPORTATION

IMPACT



ENVIRONMENTAL

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COMMUNITY IN ACTION

BIKE TO WORK DAY

Every third Wednesday in June, Bike to Work Day participants visit stations scattered throughout the community to celebrate bike commuting. In 2019, over 200 participants stopped by the City's breakfast station for pancakes, giveaways and music!





Waste

INTRODUCTION

LSAB written Intro?

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GOAL

Increase community and municipal waste diversion, striving for a goal of zero-waste, and manage resources responsibly and effectively.





WASTE

INTERNAL OBJECTIVES

Work toward zero waste in City facilities, operations and events

NEAR TERM

Conduct facility waste characterization studies to determine the specific composition and quantity of waste generated.

Set diversion targets where appropriate.

Identify opportunities to minimize waste generation and increase diversion.

Develop employee education and behavioral change strategies.

MID TERM

Identify budget requests required for implementation.

Develop internal green purchasing policies and new operational policies to further waste reduction

NEAR TERM

Identify the potential environmental, economic, and social benefits of sustainable procurement practices.

Assess existing purchases and contracts to identify opportunities to transition to more sustainable products or service.

MID TERM

Establish a set of criteria, specific to product or service categories, that can be used to identify preferred products and services.

Provide customized support to City departments to support implementation of sustainable procurement.



WASTE

EXTERNAL OBJECTIVES

Create a culture of zero waste in Louisville through education, infrastructure and services

NEAR TERM

Develop education campaigns for single-family residences, multifamily residences and businesses.

Identify opportunities to provide zero waste education.

Provide events and programs to dispose of hazardous and hard-to-recycle items.

MID TERM

Support food waste reduction and redistribution efforts.

Customize and distribute information on resource recovery facilities in Louisville and Boulder County.

Support multifamily and business compost collection systems and education.

Increase commercial and construction material diversion

NEAR TERM

Continue to support and promote free waste audits and services to commercial entities through the Louisville Green Business program.

Provide incentives for businesses to adopt zero waste collection programs.

MID TERM

Work with Boulder County and surrounding municipalities to understand residential and commercial deconstruction and incentivize construction and demolition materials recycling and reuse.



WASTE

EXTERNAL OBJECTIVES

Support diversion through additional strategies

NEAR TERM

Partner with local retailers to reduce the use of nonrecyclable, non-compostable and non-reusable containers.

Evaluate policies related to nonrecyclable items within Louisville.

Encourage Home Owner Associations to offer the same level of waste services as the City.

MID TERM

Promote circular opportunities for city-generated recyclables and compost.

Support capacity for construction and demolition materials transfer, sorting, processing and reuse.

Work with Boulder County to develop a construction and demolition tracking and reporting system and evaluate potential requirements.

COMMUNITY IN ACTION



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WASTE

IMPACT



ENVIRONMENTAL

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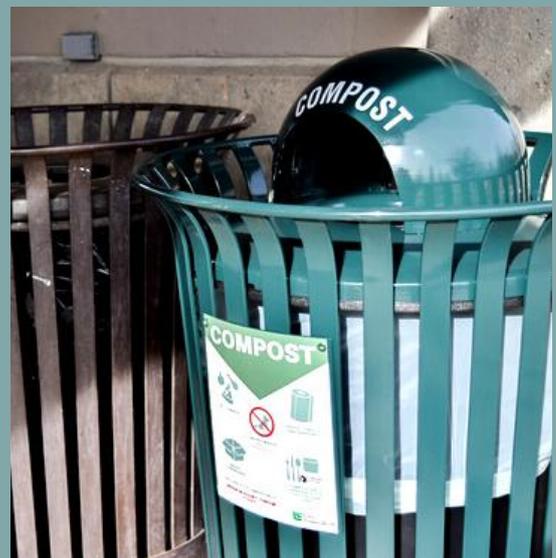
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LEADING BY EXAMPLE

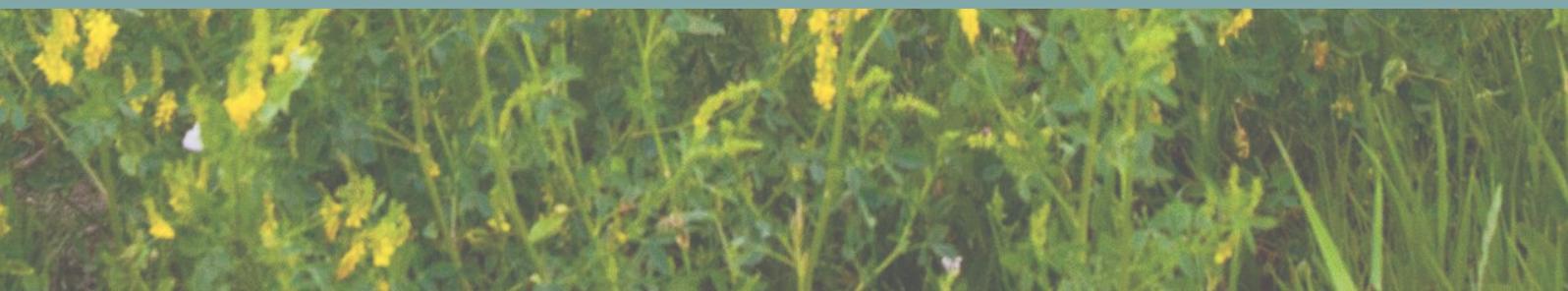
RECYCLING + COMPOSTING AT CITY FACILITIES

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Water



INTRODUCTION

LSAB written intro?

Clean, plentiful water supply is a critical necessity. Originating as snow melt in the Rocky Mountains, Louisville's water supply provides drinking water for residents and visitors, supports a growing economy and provides rich habitat for wildlife within the community.

Clean, plentiful water supply is a critical necessity. Originating as snow melt in the Rocky Mountains, Louisville's water supply provides drinking water for residents and visitors, supports a growing economy and provides rich habitat for wildlife within the community.

GOAL

Support water efficiency and quality and ensure a clean, reliable water supply for current and future natural landscapes and the community.





WATER

INTERNAL STRATEGIES

Reduce water usage and improve efficiency of water use within City buildings

NEAR TERM

Benchmark all City buildings' indoor water use and prioritize facilities for water audits based on resource use and reporting mechanisms.

Ensure that new City buildings achieve 80% of the U.S. Green Building Council's (USGBC) Leadership in Energy & Environmental Design (LEED) points within the applicable water efficiency section of the USGBC new construction process.

Set facility-specific efficiency targets where appropriate.

MID TERM

Implement facility audit recommendations with consideration of resource limitations and other constraints.

Develop facility and job specific behavior and operational modification strategies.

Reduce City outdoor water usage

NEAR TERM

Benchmark all City buildings' outdoor water use, data collection on square feet of landscape being irrigated and service charges for all water-related utilities

Replace irrigated turf around City buildings and on City property where appropriate.

MID TERM

Repair, upgrade, and adjust all irrigation systems with the most efficient available technologies over time.

Evaluate capacity to expand the reuse system and increase recycled water usage on City landscaping and open spaces.



WATER

INTERNAL STRATEGIES

Improve and maintain water quality

NEAR TERM

Begin the development of a comprehensive Stormwater Management Plan.

Continue to update procedure manuals and operational plans related to water use, wastewater and storm water treatment and incorporate methods to promote sustainability and limit environmental impacts.

MID TERM

Evaluate street design specifications (such as road widths or type of curbing), erosion and sediment control ordinances, landscaping requirements, and other standards that might encourage the use of Low Impact Development (LID) practices.

Continue improving water quality and maintain the water supply on Parks & Open Space properties

NEAR TERM

Support ecological stream restoration and in-stream flow efforts to aid species recovery and improve water quality.

Explore nontoxic management practices for pest and weed control where possible or pilot in compliance with City adopted policy.

MID TERM

Research and consider Green Infrastructure Network (GIN) strategies and management best practices for implementation on cityowned properties.

Evaluate capacity to expand the reuse system and increase recycled water usage on City landscaping and open spaces.

Aim to have Coal Creek removed from state's list of impaired or polluted waters.



WATER

EXTERNAL STRATEGIES

Expand water conservation education for City residents and businesses

NEAR TERM

Conduct a gap analysis of the water efficiency tools, resources and incentives for residents and businesses.

Continue to promote and support water conservation education and outreach through available programs and platforms.

MID TERM

Develop a campaign to encourage benchmarking of commercial water consumption through the use of data tracking software.

Employ a targeted outreach strategy to engage facility managers and property owners on water conservation efforts and resources.

Develop, market to the community and update Louisville guiding documents that address water conservation and quality.

Maintain regional partnerships, collaboration and information sharing as it pertains to watershed health and supply

NEAR TERM

Engage in local source-water protection planning.

Continue to support the Keep It Clean Partnership and other intergovernmental agreements in minimizing pollution impacts in surface waters.

MID TERM

Coordinate with Boulder County on model greywater (water reuse) ordinance.

IMPACT



ENVIRONMENTAL

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LEADING BY EXAMPLE

RECLAIMED WATER

Recycled water is wastewater treated to a standard that is suitable for irrigation and reuses water that would otherwise be lost downstream. Currently, Coal Creek Golf Course, Community Park, Miners Field and the Sports Complex are all currently served by recycled water and utilize all available capacity.





Ecological Health





INTRODUCTION

LSAB Written Intro?

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**We would like to make this a positive,
action-setting goal - input? GOAL**

Improve the health and resiliency of Louisville's ecosystems by mitigating the negative effects of the built environment and human behavior on our natural systems.





INTERNAL OBJECTIVES

Manage the City's parks, open space, rights-of-way and other properties to maximize ecological health and biological diversity

NEAR TERM

Evaluate existing tree canopy as well as management and replacement plan.

Expand the planting of pollinator-friendly native plants in parks and public spaces.

Consider nontoxic management practices for pest and weed control where possible in conjunction with Integrated Weed Management Plan.

Consider testing alternative management techniques on pilot sites.

MID TERM

Update the Open Space Master Plan and address environmental sustainability as well as new trends such as food production on open space and ecosystem services.

Identify opportunities to enhance policies related to ecological health and continue to develop implementation measures for policies already in place

MID TERM

Further integrate ecosystem health and biodiversity factors in City plans and policies and consider during the initial stages of the planning process.



EXTERNAL OBJECTIVES

Facilitate community-wide stewardship and increase awareness of the value of ecosystem health.

NEAR TERM

Continue to provide environmental education programs for residents of all backgrounds and ages.

Integrate environmental education into community events i.e. Open House, Labor Day, etc.

Identify opportunities for interpretive signage and on-site messaging in Louisville's parks, natural areas and public spaces.

MID TERM

Work with the Colorado State Cooperative Extension and other organizations to develop urban agriculture stewardship standards.

Minimize the volume of pollutants entering Louisville's terrestrial and aquatic ecosystems.

NEAR TERM

Support ecological stream restoration and in-stream flow efforts to aid species recovery and improve water quality.

Promote nontoxic best management practices for pest and weed control where possible in conjunction with City practices

MID TERM

Consider enacting policies that limit the use of systemic persistent neurotoxins linked to declines in invertebrate species and pollinators.

Increase awareness of the impacts associated with the use of chemical fertilizers, pesticides and other toxins on pollinator species and overall ecological health through education.



EXTERNAL OBJECTIVES

Maintain existing trails and add additional miles of trails

In Boulder County plan, this section is in Ecological Health - does it make more sense for Transportation?

NEAR TERM

Maintain all existing Louisville trails.

Update the Parks, Open Space and Trails Map.

Complete Kestrel trail to SH 42 Underpass connection.

MID TERM

Add more connectivity trails where appropriate as outlined in the Transportation Master Plan while preserving wildlife and other natural resources.

Consider the addition of trail amenities on high-use trails such as wayfinding and informational signage, fix-it stations, benches and appropriate waste receptacles.

LOUISVILLE WILDLIFE

With habitat for nearly 250 species of mammals, birds and reptiles identified in Louisville, the parks, open spaces and trail properties are a place for enjoyment as well as for the wildlife. Urban-adapted species such as coyotes, red foxes, raccoons, prairie dogs and skunks are commonly seen while there is also the opportunity to encounter a Swainson's Hawk, American Kestrel or Great-Horned Owl.





ECOLOGICAL HEALTH

IMPACT



ENVIRONMENTAL

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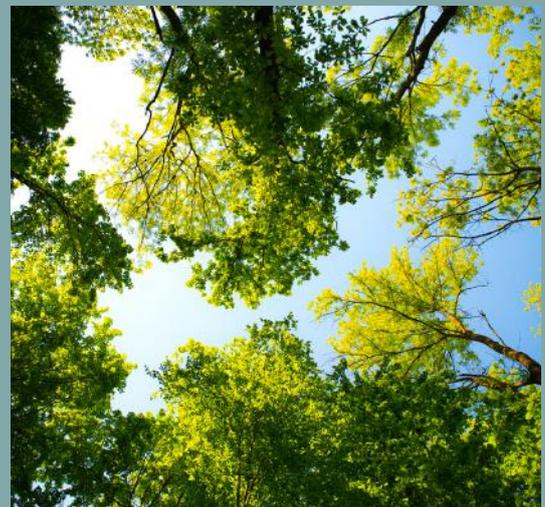


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COMMUNITY IN ACTION

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Local Food & Agriculture





INTRODUCTION

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GOAL

Ensure a sustainable, local, safe and healthy food supply that is accessible to all and supported by our community.





EXTERNAL OBJECTIVES

Develop system of City-supported community gardens.

NEAR TERM

Evaluate barriers to community garden development in Louisville.

Consider policies or programs to remove barriers to community garden and urban agriculture development in Louisville.

MID TERM

Evaluate available opportunities to pursue an additional community garden on city owned property or through private-public partnership.

Offer education and outreach on local food and agriculture

NEAR TERM

Provide presentations about Louisville agricultural and backyard gardening resources to interested classes, agencies and organizations.

Provide local food and agricultural resources and information via social, web and print platforms.

MID TERM

Coordinate with local producers to provide resources and educational opportunities.

Expand connections between local food producers, residents and commercial entities within Louisville and Boulder County.



EXTERNAL OBJECTIVES

Increase accessibility of local food for vulnerable populations

NEAR TERM

Identify existing local food assets and gaps throughout the City.

Assess barriers to local food production and purchase.

MID TERM

Foster relationships between the City, existing food stores, commercial entities and neighborhood residents to encourage expansion of local food availability.

Support and promote opportunities for all residents to participate in community supported agriculture and other programs.

Evaluate programs such as Double Up Food Bucks that make low-cost, locally grown fruits and vegetables available to vulnerable populations.

COMMUNITY IN ACTION



LOUISVILLE COMMUNITY GARDEN

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LOCAL FOOD & AGRICULTURE

IMPACT



ENVIRONMENTAL

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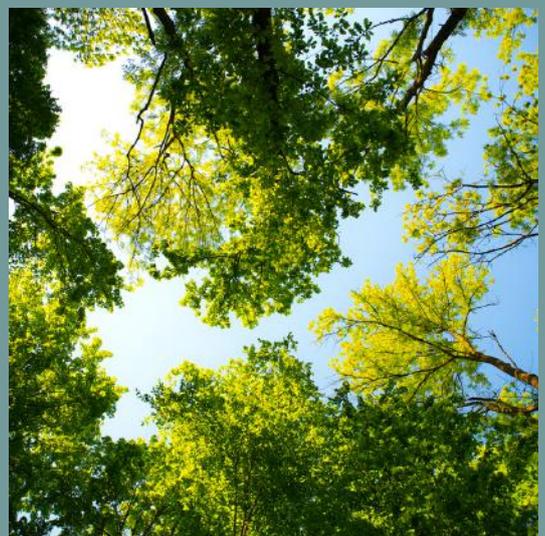
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COMMUNITY IN ACTION

GET TO KNOW YOUR LOCAL FARM

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SUSTAINABILITY ADVISORY BOARD

2020 WORKPLAN*

MONTH	TOPIC AREA / PROJECT UPDATE / PRESENTATION
JANUARY 15, 2020	2020 LSAB OVERVIEW <ul style="list-style-type: none"> • New member introductions/welcome • Processes and Procedures (STAFF LIAISON) • 2020 Work Plan overview 2019 WRAP UP 2019 SUSTAINABILITY HIGHLIGHTS (STAFF) 2021/2022 LSAB BUDGET REQUEST
FEBRUARY 19, 2020	SUSTAINABILITY ACTION PLAN UPDATE – FIRST DRAFT REVIEW
MARCH 18, 2020	SUSTAINABILITY ACTION PLAN UPDATE – SECOND DRAFT REVIEW 2020 SUSTAINABILITY EDUCATION + ENGAGEMENT – input/support
APRIL 15, 2020	SUSTAINABILITY ACTION PLAN UPDATING CHECK IN 2020 SUSTAINABILITY EDUCATION + ENGAGEMENT – input/support
MAY 20, 2020	2020 GREEN BUSINESS (LSAB/PACE) - update SUSTAINABILITY FILM SERIES
JUNE 17, 2020	CC4CA UPDATE (CMO) Energy Future Collaboration (SUSTAINABILITY SPECIALIST) - update 2019 Louisville Community Energy Report (XCEL) - update
JULY 15, 2020	TBD
AUGUST 19, 2020	TRANSPORTATION MASTER PLAN (PLANNING) – update FALL SUSTAINABILITY EVENTS/PROGRAMS/COMMUNICATIONS – input/support
SEPTEMBER 16, 2020	TBD ENERGY <ul style="list-style-type: none"> • EFC 2021 Work Plan Development – Input from 2020 Work Plan
OCTOBER 21, 2020	TBD
NOVEMBER 18, 2020	TBD 2021 PLANNING/IMPLEMENTATION
DECEMBER 16, 2020	2020 WRAP UP + END OF YEAR EVALUATION 2021 WORK PLAN REVIEW

* This is a tentative work plan for 2020. Work plan is subject to change depending on internal or external demand or necessity and is to be evaluated for changes during LSAB monthly meetings.