

Sustainability Advisory Board

Agenda

April 19, 2023

Louisville Public Library, Second Floor Board Room

951 Spruce Street

6:30 PM

Members of the public are welcome to attend and give comments remotely; however, the in-person meeting may continue even if technology issues prevent remote participation.

- You can call in to +1 408 638 0968 or 833 548 0282 (Toll Free)
Meeting ID #829 8194 5389
Meeting Password # 741017
- You can log in via your computer. Please visit the City's website here to link to the meeting: www.louisvilleco.gov/sustainabilityboard.

The Board will accommodate public comments during the meeting. Anyone may also email comments to the Board prior to the meeting at KBetzold@LouisvilleCO.gov.

- I. Call to Order
 - John is April secretary.
- II. Roll Call
- III. Approval of Agenda
- IV. Approval of Minutes
- V. Public Comments on Items Not on the Agenda (3 minutes per comment)
- VI. Staff Updates (10 minutes)
- VII. Discussion Item: Community Decarbonization Plan Introduction (30 minutes)

Persons planning to attend the meeting who need sign language interpretation, translation services, assisted listening systems, Braille, taped material, or special transportation, should contact the City Clerk's Office at 303.335-4536 or MeredythM@LouisvilleCO.gov. A forty-eight-hour notice is requested.

Si requiere una copia en español de esta publicación o necesita un intérprete durante la reunión, por favor llame a la Ciudad al 303.335.4536 o 303.335.4574.

City of Louisville

City Manager's Office 749 Main Street Louisville CO 80027
303.335.4534 (phone) www.LouisvilleCO.gov

- Consultant Presentation – Lynn Jemison, Partners in Energy
- Public Comment (2 minutes per comment)
- LSAB Q&A and Discussion

VIII. Discussion Item: Solar United Neighbors (20 min)

- Staff Update
- Public Comment (2 minutes per comment)
- LSAB Q&A and Discussion

IX. Discussion Item: Dark Sky Lighting Ordinance (20 min)

- Project and Ordinance Overview – Josh Cooperman
- Public Comment (2 minutes per comment)
- LSAB Discussion and Direction
 - i. Does LSAB want to draft a memo to bring back to May meeting for discussion and approval? If yes, appoint 2 members to draft memo

X. Sub-Committee and Board Member Updates

XI. Administrative Tasks

- Kayla to write next Spotlight, due May 15
- Dan is May secretary

XII. Discussion Items for Next Meeting

- Internal Decarbonization Plan (McKinstry)
- Sustainability & LSAB Communications and Outreach Strategies
- Dark Sky Lighting Ordinance memo

XIII. Adjourn

Sustainability Advisory Board

Meeting Minutes

March 15, 2023
Louisville City Hall, Council Chambers
749 Main Street
6:30 PM

Call to Order – Chairperson Todd Budin called the meeting to order at 6:33 pm.

Roll Call was taken and the following members were present:

Board Members Present: Todd Budin, Megan Ottesen, John Cowley, Josh Cooperman, Dan Mellish and Lev Szentkiralyi, Tiffany Boyd

Board Members Absent: None

Staff Members Present: Kayla Betzold, Rob Zuccaro

Approval of Agenda –

Tiffany moved to approve the agenda; Dan seconded the motion. The agenda was approved by all members.

Approval of Meeting Minutes –

Dan moved to approve last meeting's minutes; Tiffany seconded the motion. The minutes from the February 15, 2023 meeting were approved as written.

Public Comments –

Walter Sharp: Walter expressed his interest in learning more about the ongoing analysis of the energy performance of the City's facilities, especially the Recreation and Senior Center. He would like a copy of the report on the energy

performance of the City's facilities, and he would like to know how to propose actions based on the report's findings. He suggested the possibility of geothermal heating and cooling at the Recreation and Senior Center, perhaps funded in part through a grant from the Colorado Energy Office.

Staff Update –

Dan inquired about the consequences of not following the new composting requirements coming into force on 1 April. Kayla replied that A1 Organics will reject contaminated loads of compost, referring them to the relevant landfill, and that A1 Organics will assess a fee for such contaminated loads of compost. Kayla also stated that waste hauling trucks will not service compost bins that are obviously contaminated.

Lev inquired about the availability of appointments for the water conservation programs offered by Resource Central and subsidized by the City. He noted that these appointments usually fill up quickly, forcing residents onto the waitlist for the next round of appointments. Kayla replied that residents on the waitlist from previous rounds should receive priority for new appointments. Kayla also noted that Resource Central was still not scheduling appointments for households with indoor water controls as a COVID precaution.

Megan inquired whether the internal decarbonization report will include recommendations for funding decarbonization of the City's facilities. Kayla replied that the report will include such information and that City staff has initiated discussions around funding possibilities.

Kayla volunteered that appointments for the City's spring cleaning event are filling up quickly. The City has scheduled fifteen appointments for every fifteen minutes.

Maxine Most advocated for the City engaging in more communication with residents and businesses about the upcoming changes to composting rules. She recommended that the City communicate via multiple channels on multiple occasions. Kayla replied that Republic Services will send its annual mailer within the next two weeks detailing front and center the new composting rules.

Michiko Christiansen inquired about the relationship between Republic Services and A1 Organics. Kayla clarified that Republic Services is the City's contracted residential waste hauler and that A1 Organics is the primary recipient of hauled compost along the Front Range.

Megan inquired whether the new composting rules apply to both residential and commercial entities. Kayla replied that the new composting rules apply to all compost sent to A1 Organics.

Josh inquired about educational opportunities and events regarding backyard composting in light of the new restrictions on curbside composting. Kayla replied that an event is scheduled at the Louisville Public Library in late April.

Steve Brauneis volunteered that the City could tap into regional communications regarding the new composting rules since the new composting rules affect much of the Front Range.

Michiko volunteered that the City start communicating heavily now about the new composting rules.

Discussion Item – Gas Station Moratorium Recommendation

Kayla set the stage for the Board's consideration, stating that first Rob Zuccaro would present the draft ordinance and its history, then Josh would present his draft letter of support to City Council, next the Board would take public comments, and finally the Board would deliberate on its desired course of action. Kayla laid out several possible courses of action.

Drawing on slides in the meeting packet, Rob provided background on the events leading to the drafting of the ordinance, gave an overview of the ordinance, and discussed the ordinance's review process. He explained that the Planning Commission recommended approval with an additional condition requiring fast EV chargers at new gasoline stations, that the Economic Vitality Committee held a forum for discussion of the ordinance, and that now the Sustainability Advisory Board is reviewing the ordinance. Rob also addressed a question from a Board member about projections for Louisville's population in light of the community's demand for gasoline stations. Rob stated that Louisville's population is projected

to slightly decline, age, and become more affluent and that the land currently zoned for residential development could support 350 to 400 new multifamily units. Without land use changes, he stated that Louisville's population is likely to remain steady or decline.

John noted the need to factor the growth in use of electric vehicles into considerations of gasoline station demand. He suggested that growth in electric vehicle usage will probably outpace any population growth. He also noted that much of the vehicle traffic in Louisville is nonresident traffic. He also inquired whether the EV fast charger requirement includes any stipulations about the vendors providing such infrastructure.

Rob replied that in his experience businesses usually decide on the vendors providing the charging stations.

Josh then presented his draft letter of support to City Council. Josh stated that he has not discussed the ordinance in any depth with fellow Board members, so he decided to provide several arguments in favor of the ordinance and several recommended amendments of the ordinance to stimulate the Board's discussion. His arguments fall into three categories: arguments based on the impact on climate change, arguments based on the impact on air, soil, and water pollution, and arguments based on economic sustainability. He also included one argument based on the Sustainability Action's Plans commitments to support local agriculture and food. His first recommended amendment would reduce the cap on the number of gasoline stations to five gasoline stations in the event that the recently approved sixth gasoline station not come to fruition. His second recommended amendment would reduce the cap on the number of gasoline stations by one each time an existing gasoline station closed. His third recommended amendment would eliminate the exception for a seventh gasoline station as part of a marketplace development.

Public Comment

Steve Anderson, a 40-year resident, former City Council member, and business owner, stated that limiting the allowed types of businesses sends the message to other businesses that they too might lose their ability to do business in Louisville.

He noted that Louisville has lost lots of businesses in the last several years. He stated that Louisville should have the attitude that all businesses are welcome. He also stated that the ordinance would reduce property owners' rights by not allowing them to develop their property in certain ways. He suggested that the free market will dictate what businesses are necessary in Louisville. He also suggested that the ordinance might be too late with the City having already allowed six gasoline stations to locate in Louisville. He concluded by stating that restricting the types and numbers of businesses is dangerous.

Ted McDonald, an engineer, noted that gasoline costs considerably less at the Superior Costco. He expressed a concern about the ordinance leading to a loss of competition between gasoline stations. Since Louisville residents drive to stores in nearby towns, he suggested that improved mass transit would be beneficial, especially the planned train line to Boulder and Longmont.

Cathern Smith stated that she strongly supports limiting gasoline stations in Louisville. She was initially skeptical of this effort but came to support the effort after learning about the negative health impacts from gasoline station emissions. She noted that California has mandated buffer zones around gasoline stations but that these buffers are insufficient to protect the surrounding areas from air pollution. She also expressed her concern about the environmental impacts of gasoline stations. She noted that property owners near gasoline stations have rights as well and that gas stations and convenience stores have been found to diminish nearby property values. She stated that the exception for a gasoline station associated with a marketplace development does not align with the City's friendliness to small businesses, that such a gasoline station would outcompete smaller gasoline stations, and that such developments are not compatible with the City's small town character.

Michiko inquired about the difference between gasoline service stations and automobile service stations. Rob clarified that gasoline and automobile service stations are the same type of entities but that the latter term is used in the City's planned community zone districts.

Michiko inquired about simplifying the language in Louisville's municipal code to prevent confusion. Rob replied that the City could make this simplification but that this would likely not happen now.

Michiko inquired whether the draft ordinance would affect other types of services for vehicles. Rob replied that the ordinance only addresses businesses selling gasoline.

Walter inquired whether the draft ordinance would affect hydrogen fueling stations or other renewable fueling stations. He asked specifically whether hydrogen fueling could be added to existing gasoline stations.

Maxine shared some comments from the last Economic Vitality Committee meeting: that the City has existing restrictions on businesses present and not present in Louisville and that the City has in the past made choices about types of businesses in Louisville. She added that gasoline stations are different from most other businesses in Louisville in that gasoline stations emit toxic air pollution and have storage tanks that require remediation prior to redevelopment. She added further that, while gasoline stations are going to disappear as we transition to electric vehicles, the City needs to ensure supply for lower income residents who are less able to transition to electric vehicles. She noted that most residents go to King Soopers or Costco because the prices are considerably lower. She stated that, since gasoline stations are already highly regulated businesses, new regulations are not necessarily unwarranted.

Michiko inquired about whether the City does or should regulate the number of pumps at each gasoline station. Rob replied that the City does not currently have any such regulations but that a planned unit development amendment is necessary to add pumps at an existing gasoline station.

LSAB Discussion

Dan stated that he appreciates the arguments for letting the market freely regulate gasoline stations. He suggested that gasoline prices are unlikely to increase if the ordinance is passed since the ordinance does not eliminate existing gasoline stations. He stated that the arguments expressed by Maxine and others outweigh economic concerns.

John stated that the ordinance would send a message that Louisville is committed to fighting climate change. He inquired about the possibilities of the City conducting air quality checks at gasoline stations or requiring further vapor control on gasoline pumps. He noted that the ordinance would not eliminate greenhouse gas emissions by itself.

Josh responded to a few previous comments. He stated that the State of Colorado is responsible for controlling and testing gasoline stations, and he noted that regulating the number of pumps is closer to the regulations in the citizens' initiative.

Lev expressed concern about the discussion focusing on Louisville's air quality while not explicitly considering the air quality of other communities in our region. He also expressed concern about the impacts of pollution on other communities specifically resulting from the electricity generation needed for charging electric vehicles. He emphasized that the ramifications for other communities should not be neglected.

Megan stated that she is supportive of the draft ordinance and the letter of support in general. She stated that she does not share Lev's concerns because the electricity grid is mandated to be supplied by 80% renewable energy by 2030. She expressed her support for the first and third recommended amendments but not for the second recommended amendment.

Tiffany emphasized that the ordinance does not eliminate existing gasoline stations and that currently there is no evidence for excess demand for gasoline in Louisville. She also expressed her support for the first and third recommendations and a more nuanced version of the second recommended amendment.

Todd emphasized that the ordinance would not have a notable impact on greenhouse gas emissions. He expressed his frustration with the time devoted to this ordinance in light of its limited impact on decarbonization. He also expressed his desire for the Board not to be viewed as being antibusiness. He suggested another course of action for the Board: to state that the Board is indifferent

concerning the ordinance but that City Council should act expeditiously so that we can all move onto more impactful actions.

Dan noted his general agreement with Megan and Tiffany's viewpoints.

Tiffany stated that she would push back on arguments that the ordinance is antibusiness.

John stated his approval of the ordinance as written, possibly with some of the recommended amendments.

Tiffany inquired about what would help to move the ordinance forward as quickly as possible. Rob replied that the timing really depends on City Council's positions.

Tiffany inquired about how the Board could best ask City Council to move the ordinance forward.

Lev volunteered that the Board's discussion has largely reflected a false dichotomy and that the Board can recommend a commitment to advancing electric vehicles without taking a position on limiting new gasoline stations.

Todd suggested that the Board edit the letter of support to state that the ordinance is not a top priority but that the Board recommends approval with the first and third recommended amendments, cutting the arguments for limiting gas stations to make the letter succinct.

Dan stated that he could support such a letter.

Tiffany stated that she could support such a letter.

John stated his agreement with Tiffany that the Board should not be overly concerned about impacts to businesses since the Board is primarily concerned with environmental sustainability.

Todd emphasized that he does not want the Board to always be associated with antibusiness messages.

Megan emphasized that there are good motivations for the ordinance based on health and environmental concerns not related to climate change and that the Board should not lose sight of those impacts.

Todd asked whether the first recommended amendment is a good idea to recommend to City Council.

John expressed his support for the first recommended amendment for the message that it sends about the approval of Murphy Express.

Lev stated that he does not support the third recommended amendment in light of the commercial vacancies across Louisville.

Tiffany motioned that the Board write a letter of support recommending approval of the ordinance with the first and third recommended amendments including language about hastening the process.

Kayla asked about including the arguments for limiting gasoline stations.

Tiffany clarified that these arguments would be removed from the letter.

Dan seconded Tiffany's motion.

The Board voted on Tiffany's motion. Dan, John, Josh, Megan, Tiffany, and Todd voted in favor of the motion; Lev abstained.

Discussion Item – E-bike Rebate Pilot Program

In light of the time, the Board decided to treat this discussion in the manner of a staff update but allowing for public comments.

Public Comment

Maxine Most noted that this program has been a top priority for her since becoming a member of City Council, so she is delighted to see the program moving forward.

Tamar Krantz compared the impact on greenhouse gas emission of the e-bike program to the gasoline station ordinance. She suggested that the impacts might be comparable if one did an analysis.

LSAB Discussion

Megan noted that the State of Colorado is planning an e-bike rebate program for income-qualified residents. She asked about aligning the timing of the two programs so that residents could stack the two rebates.

Kayla stated that the City did not apply for state funding for e-bike rebates at the beginning of the year because there would be a lot of money to disperse and a lot of reporting to do. The City decided instead to proceed with the current pilot

program in conjunction with Lafayette. Kayla emphasized that all of the current state programs require the City to apply for funding.

Megan noted that the upcoming rebate program would not require the City to apply.

Tiffany stated that the City should make the program information readily accessible to the community, in part by translating the information into Spanish, and that the City should provide assistance with the application, especially for income-qualified applicants.

John inquired about any requirements for logging e-bike usage.

Kayla replied that the City's program would not have such a requirement but that the City would send out initial and follow-up surveys.

John expressed his concerns about the e-bikes' potential for being stolen.

Kayla replied that the program's application will include an agreement in which the applicant agrees to take responsibility for safeguarding their e-bike.

Sub-Committee and Board Member Updates –

None

Administrative Tasks –

Kayla will write the April Sustainability Spotlight, due March 15. John is the April secretary.

Discussion Items for Next Meeting –

Kayla said that the April meeting would include a discussion about the Community Decarbonization Plan, Solar United Neighbors and the Dark Sky Lighting Ordinance.

Adjourn –

Dan moved to adjourn the meeting and Tiffany seconded the motion. The meeting was adjourned at 8:27 p.m.

Memorandum

To: Louisville Sustainability Advisory Board
From: Kayla Betzold, Sustainability Coordinator
Date: April 19, 2023
Re: Staff Updates

Internal Decarbonization Plan

- The McKinstry/City of Louisville team presented preliminary results to City Council on April 4. After technological and financial analysis, McKinstry recommended partial electrification by 2030 to avoid replacing newer equipment before end of useful life. There was general support from Council for this approach. More information can be found in the April 4 Council packet.
- The team is finalizing the building audit reports for cohort 1 buildings – Recreation & Senior Center, Public Library and Police Services.
- The team will be presenting the final roadmap to City Council on July 11.

Dark Sky Lighting

- The Sustainability division is working with Economic Vitality and Planning to develop a dark sky lighting ordinance, which is scheduled for Planning Commission on May 11 and City Council in June.
- Visit <https://www.engagelouisvilleco.org/darksky> to learn more about the project.

Resource Central Programs

- The Lawn Replacement Program and Garden in a Box program are sold out for the year.
- Free, online Waterwise Yard Seminars will be hosted by Resource Central and partner organizations throughout 2023 to educate residents about low-water landscaping. Find out more at <https://resourcecentral.org/seminars/>. The City of Louisville seminar will be held on Monday, July 10 from 6:00 – 8:00 p.m. and will be titled Firewise Landscaping: Methods and Design



City of Louisville

City Manager's Office

- [Slow the Flow](#) sprinkler assessments and [Rachio smart controller](#) installations will start to be advertised in late May/early June. New this year, Louisville businesses can participate in the Slow the Flow program – spread the word!

Commercial Lawn Equipment Electrification

- The City of Boulder City Council is hosting a study session about commercial lawn equipment electrification policy on April 27. The meeting will be recorded and available online after the meeting.
- Rebates for commercial lawn equipment electrification are available to businesses that are located within Boulder County. More information can be found [here](#).
- Boulder County is hosting a series of landscaper trainings for companies that operate within Boulder County to educate company staff about how to properly use and charge electric equipment.

Sustainability Programs

- The Green Business Program application will be open May 1 – September 30.
- The E-bike Rebate application is open now through May 5, 2023.

Events

- The virtual [Sustainability Film Series](#) will be hosted by Louisville, Lafayette, Superior and Broomfield and will be held April – July 2023 on the third Thursday of each month. Louisville's film is Ice on Fire and will be held on Thursday, May 18 on Zoom and Boulder County Senior Sustainability Strategist Tim Broderick will be available for a post-film discussion.
- The Spring Cleaning Event will be held at Ascent Church on Saturday, April 29 from 9a-12p.
 - Volunteer sign up here - <https://bit.ly/2023SpringCleaningVolunteering>
 - Resident registration is full.
- Since fall 2022, a contest has been held for Boulder Valley School District high schools and environmental educators in Boulder County to advance an educational approach that explicitly connects environmental understanding with [ALL Careers](#). Students will be recognized for their efforts/projects on Monday, May 1, 5:30 – 7:00 p.m.
 - Is an LSAB member able to attend and support the students at this event?
- The City's Summer Carnival is Wed., June 14 from 10:00 a.m. – 12:00 p.m. This event is promoted to families and usually sees 700+ attendees.
 - Does LSAB want to table at this event?

Grants

- The City has been awarded funding through the Regional Air Quality Council to electrify hand held Parks equipment (13 blowers, 13 trimmers, batteries, chargers). After electrification, over 90% of Parks hand held inventory will be electric.
- The City of Louisville, Boulder County and [CREA Results](#) were accepted as a team into the Center for Regenerative Solutions' [Urban Nature-Based Climate Solutions Accelerator](#) to model urban heat and urban forestry as a climate solution and prepare for natural climate solutions IRA funding.
- The City applied for the Turf Replacement Program funding through the Colorado Water Conservation Board to expand the residential Lawn Replacement program through Resource Central.
- The City applied for Congressionally Directed Spending through Senator Hickenlooper's office to fund electrification, EV charging, and onsite solar at the Louisville Recreation Center. The City was not awarded Community Project Funding through Representative Neguse's office.

Staffing

- The City has created a Sustainability Specialist position that is currently open for applicants. Interviews will take place in late April/early May and the new person will start in late May/early June.
- The City created a Sustainability Manager position that was advertised for internal candidates. Kayla will be transitioning into this role, effective April 24. The Sustainability Manager will onboard and manage the new Specialist position.
- The City is also hiring a part-time, seasonal Special Events Assistant that will support sustainability and citywide events.
- The Austin-Neihoff House (717 Main Street) is undergoing renovations and will eventually house the Sustainability and Economic Vitality divisions.

Louisville Sustainability Advisory Board April 2023

Kayla Betzold
Sustainability Coordinator

Discussion Item: Community Decarbonization Plan Introduction



Overview

Lynn Jemison, Partners in Energy to provide an overview of the project objectives, scope and timeline.

Public comment (2 minutes/each)

LSAB Discussion

- Questions and comments

Partners in Energy

Louisville Community Decarbonization Plan Introduction

Apr 19, 2023, Louisville Sustainability Advisory Board








OBJECTIVES

- Understand the Partners in Energy program
- Review decarbonization plan scope
- Review planning and engagement approach
- Preview next steps



People Brainstorming, Shutterstock

PROJECT MANAGEMENT TEAM

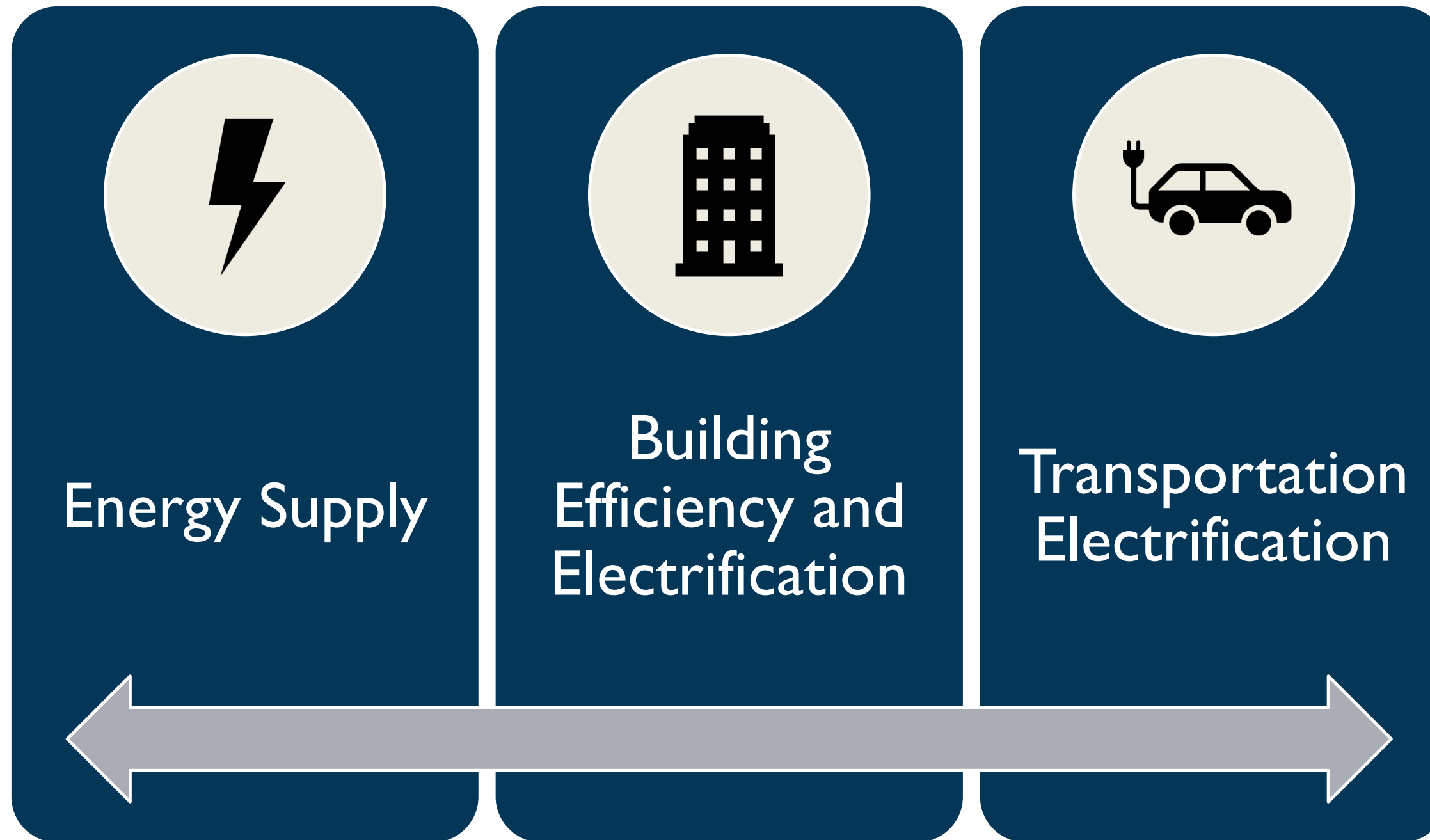
Xcel Energy		Community Facilitators		City of Louisville
				
Sofia Trautman Partners in Energy Program Manager	Iffie Jennings Area Manager	Sarah Kaye Lead Facilitator	Lynn Jemison Facilitator	Kayla Betzold Sustainability Coordinator

WHAT IS PARTNERS IN ENERGY?

- Two-year collaboration with Xcel Energy to develop and implement **your community's energy plan goals**.
- Opportunity to engage stakeholders, create goals and strategies, and develop a work plan to be successful.



WHAT IS INCLUDED IN THE SCOPE OF THIS PLAN?



WHAT IS NOT INCLUDED?



Mode shift



Waste



Water



Scope 3 Emissions

ALIGNMENT WITH OTHER EFFORTS

State and Regional

- Colorado 2023 EV Plan
- Xcel Energy Transportation Electrification Plan
- Regional Transportation Electrification Plan for Boulder County Communities
- Front Range Beneficial Electrification Network

Louisville

- Internal Decarbonization Plan
- Comprehensive Plan
- Energy Future Community Plan
- Strategic Plan
- Sustainability Action Plan
- EV projects

DELIVERABLE: COMMUNITY DECARBONIZATION PLAN

- Summary of baseline conditions
- Visions for the future
- Measurable goals, rooted in analysis
- Strategic, actionable approach for achieving the goals

Regional Transportation Electrification Plan for Boulder County



Regional Transportation Electrification Plan for Boulder County Communities
August 2022

Over the next several months during 2021 and 2022, representatives from local governments within the region will work together with key stakeholders, including business associations, state agencies, utilities, and Xcel Energy to develop a strategic plan to reduce greenhouse gas emissions in Boulder County through equitable transportation electrification solutions. This plan will outline key policy initiatives, to show that close collaboration can accelerate a successful electric vehicle future.

Our Regional Vision
Boulder County communities will work with regional partners to implement solutions that support the large-scale and equitable transition to zero emission vehicles.

Our Regional Vision Goals
The following goals were set for the Boulder County region, in alignment with the GoEV resolutions established by several communities in Boulder County:
- 30% of all vehicles registered in Boulder County to zero-emissions by 2030.
- Install a combined 2,380 public level 2 and DC fast charging ports equitably distributed across Boulder County.



EXISTING GOALS

Reduce core community GHG emissions annually below 2016 baseline through 2030

- 163,950 MTCO₂e (2016)
- 162,865 MTCO₂e (2021)

Generate 75% of residential and C&I electric needs from carbon-free sources by 2030

- 43% (2022)

SCENARIO MODELING

- What this analysis does include:
 - Baseline and forecast of Louisville's emissions
 - Strategy analysis to help prioritize high impact strategies
 - Development of 2 scenarios to estimate total GHG impact and order-of-magnitude costs
- What this analysis doesn't include:
 - Detailed engineering or technical assistance studies for infrastructure
 - Detailed cost analysis for budgeting

Examples Scenarios:

A. Meeting our current goals:

- A. What will it take to achieve 75% carbon-free energy by 2030
- B. What will it take to reduce our annual GHG emissions below 2016

B. 30x30

- A. What would it take to reduce GHG emission 30% below 2016 baseline by 2030

C. Pathway to carbon neutrality

- A. What would it take to be carbon neutral by 2030

EXAMPLE DATA TYPES

Demographics

Equity Measures

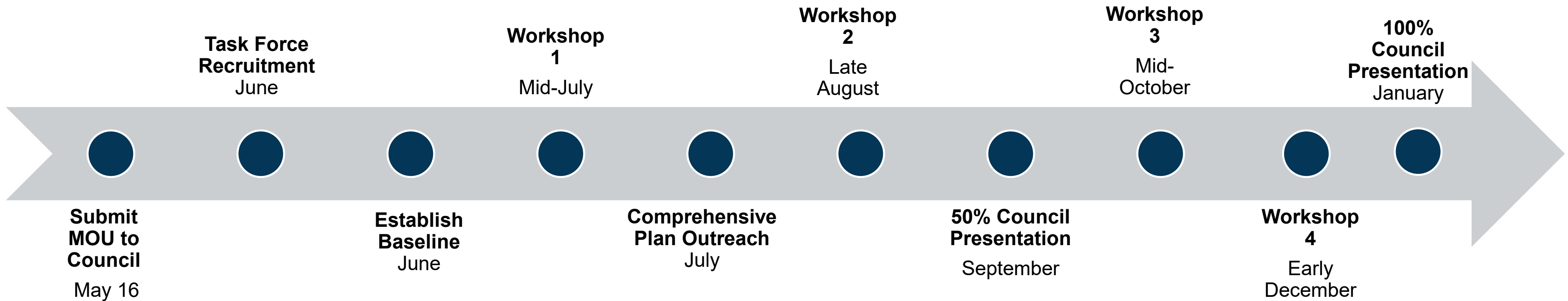
Indicators of EV Readiness

Energy Use

Utility Program Participation and Savings

Greenhouse Gas (GHG) Emissions

PROJECT TIMELINE



ADDITIONAL QUESTIONS?



FOR DISCUSSION

- Task Force recruitment
 - Who should be involved?
 - What perspectives should we seek?
 - How should members be recruited/evaluated?
 - How should LSAB be involved?
- Community Engagement Approach
 - What information would be most useful from the larger community?
 - What organizations might be better suited for 1:1 or small group interviews?



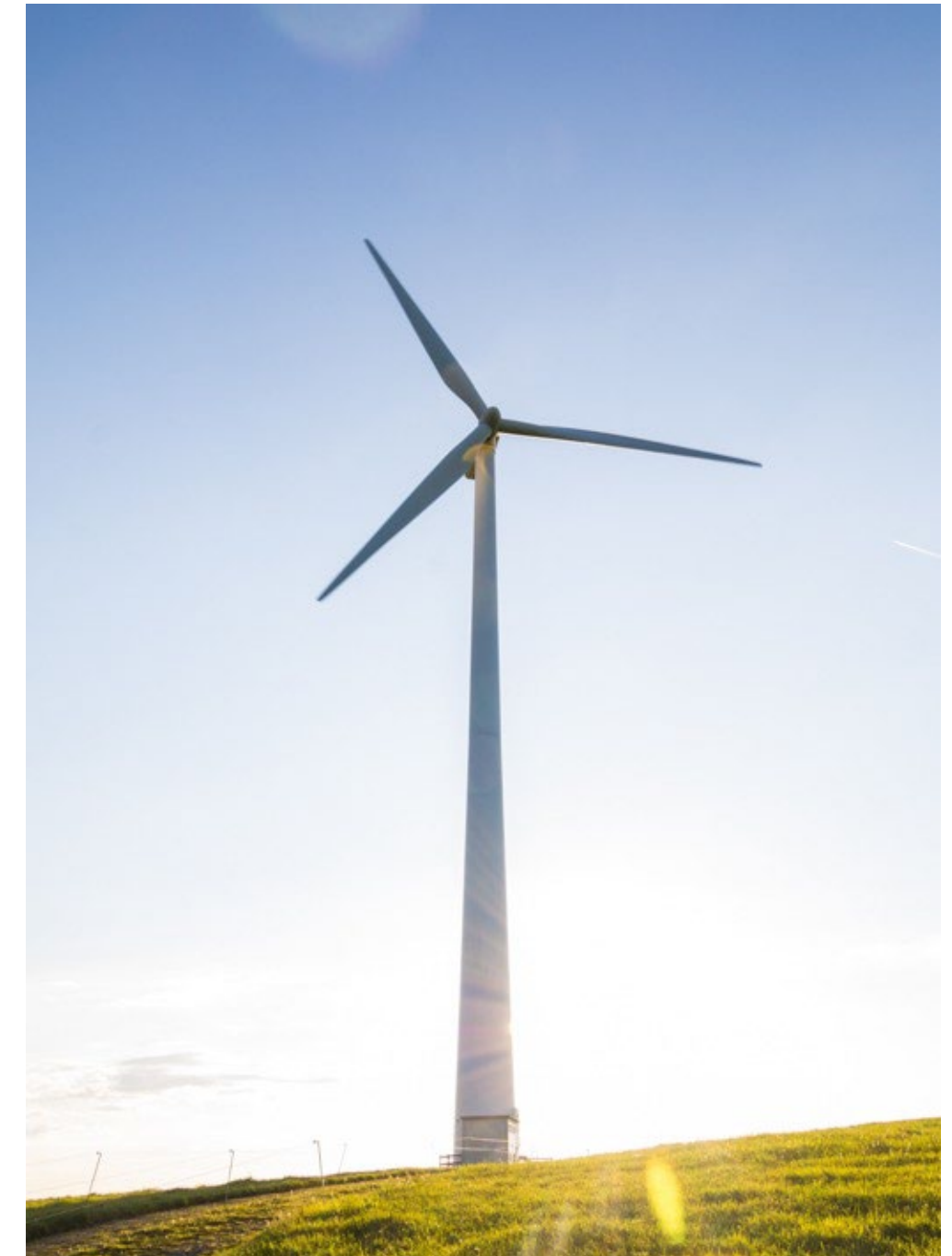
Jigsaw puzzle, Shutterstock



PARTNERS IN ENERGY
An Xcel Energy Community Collaboration

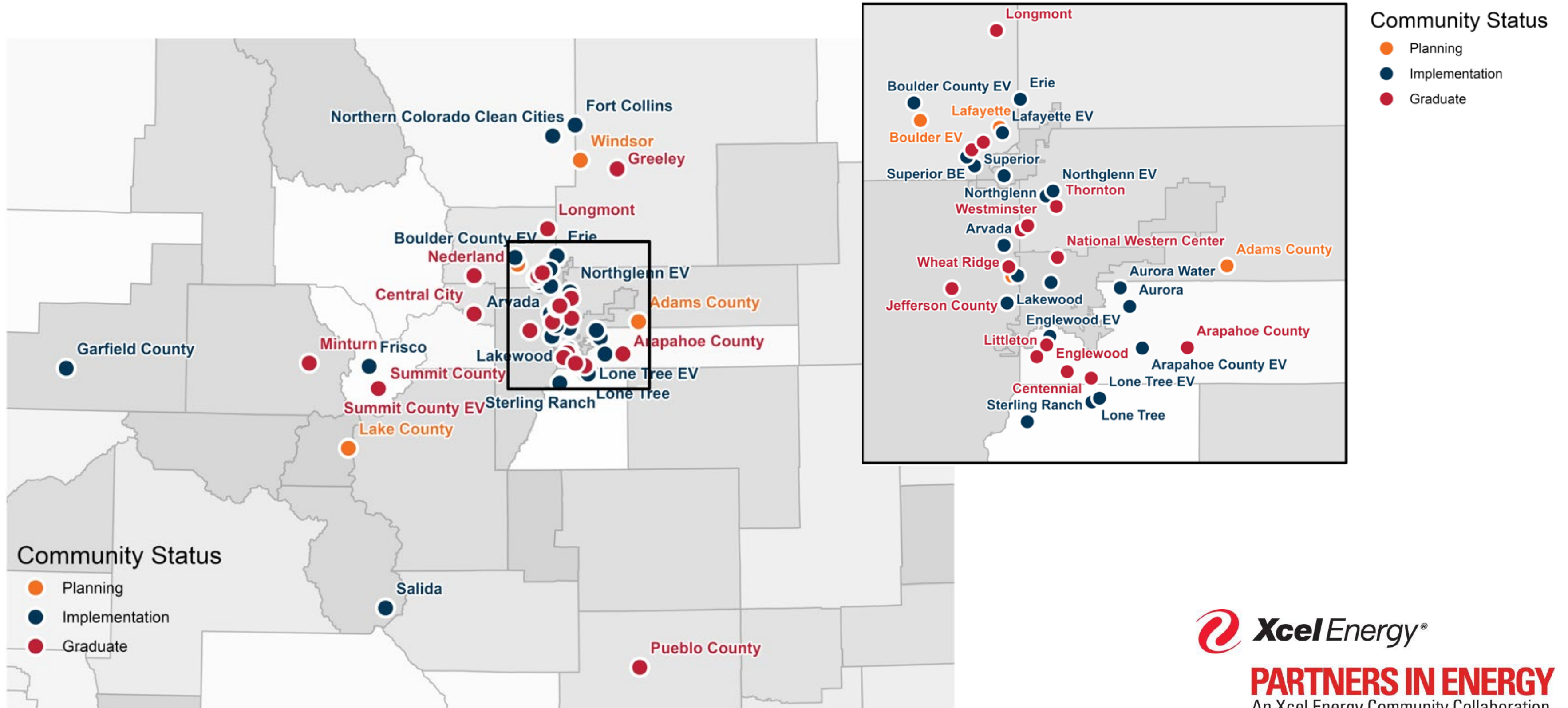
XCEL ENERGY'S GOALS FOR PARTNERS IN ENERGY

- 1 Develop a **better understanding of the energy needs** for the communities we serve
- 2 Better **align the services and programs we offer** with customer needs to save energy and advance clean energy goals
- 3 **Support our communities** with a philosophy of engagement and partnership



White wind turbine in grass field, Pexels/Pixabay

CO PARTNERS IN ENERGY COMMUNITIES



Discussion Item: Solar United Neighbors

Overview

- Staff will provide an overview of [Solar United Neighbors](#) and the launch timeline.

Public comment (2 minutes/each)

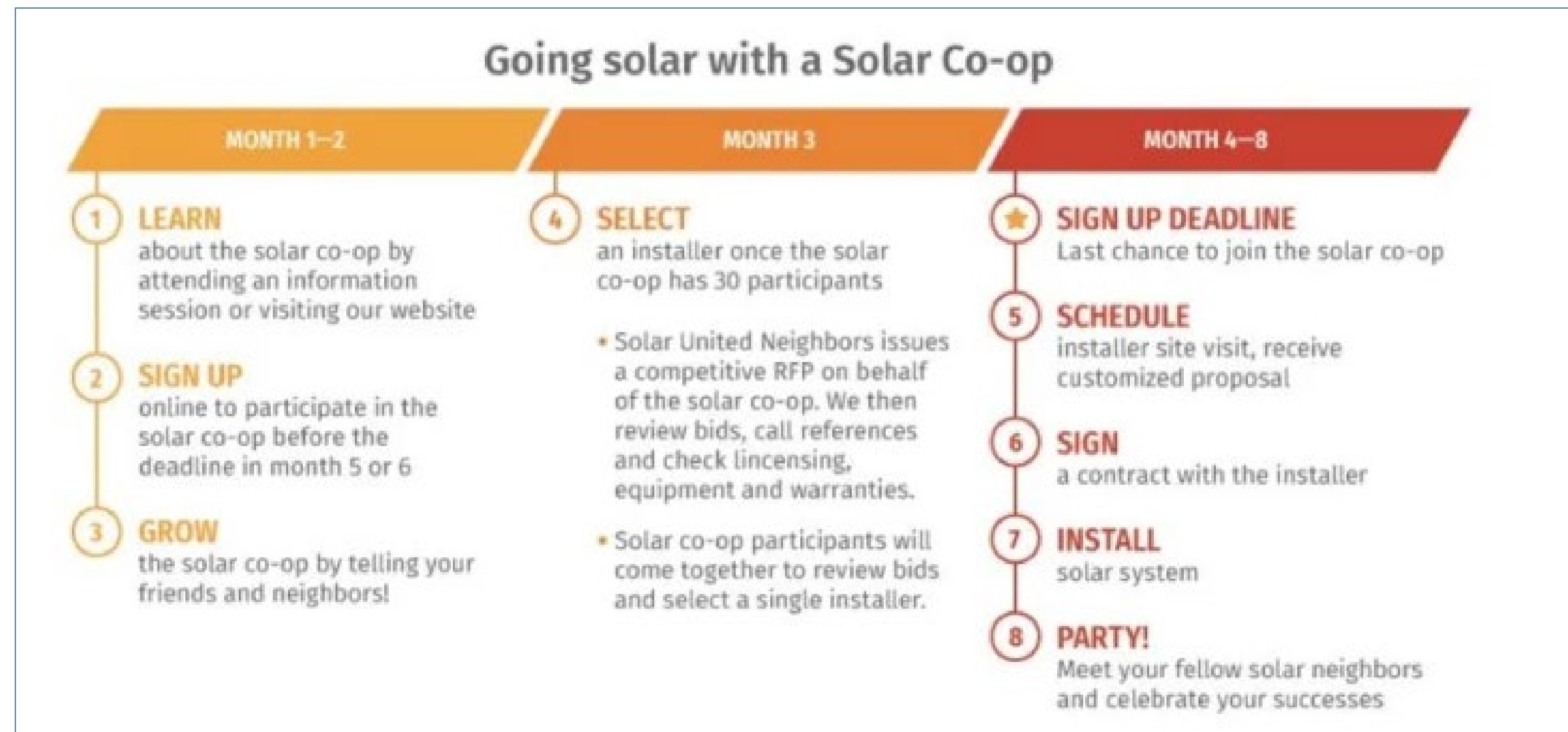
LSAB Discussion

- Questions and comments

Discussion Item: Solar United Neighbors

Overview

- A solar co-op is a group of property owners who use their combined buying power to save money going solar.
- The co-op is free to join and joining does not commit you to solar.
- Xcel Energy has published a [hosting capacity map](#) and much of Boulder County is in red/orange on the map.
- This means a solar project may have to undergo an additional review and if upgrades are necessary, some of those upgrades may be the resident's responsibility.



For this reason, members of the Boulder County Solar co-op have decided to wait until fall 2023 to launch the co-op until a process has been agreed upon by Xcel, solar developers and SUN.

The co-op will still be included in the RE portfolio and will include a waitlist link.

Discussion Item: Dark Sky Lighting Ordinance

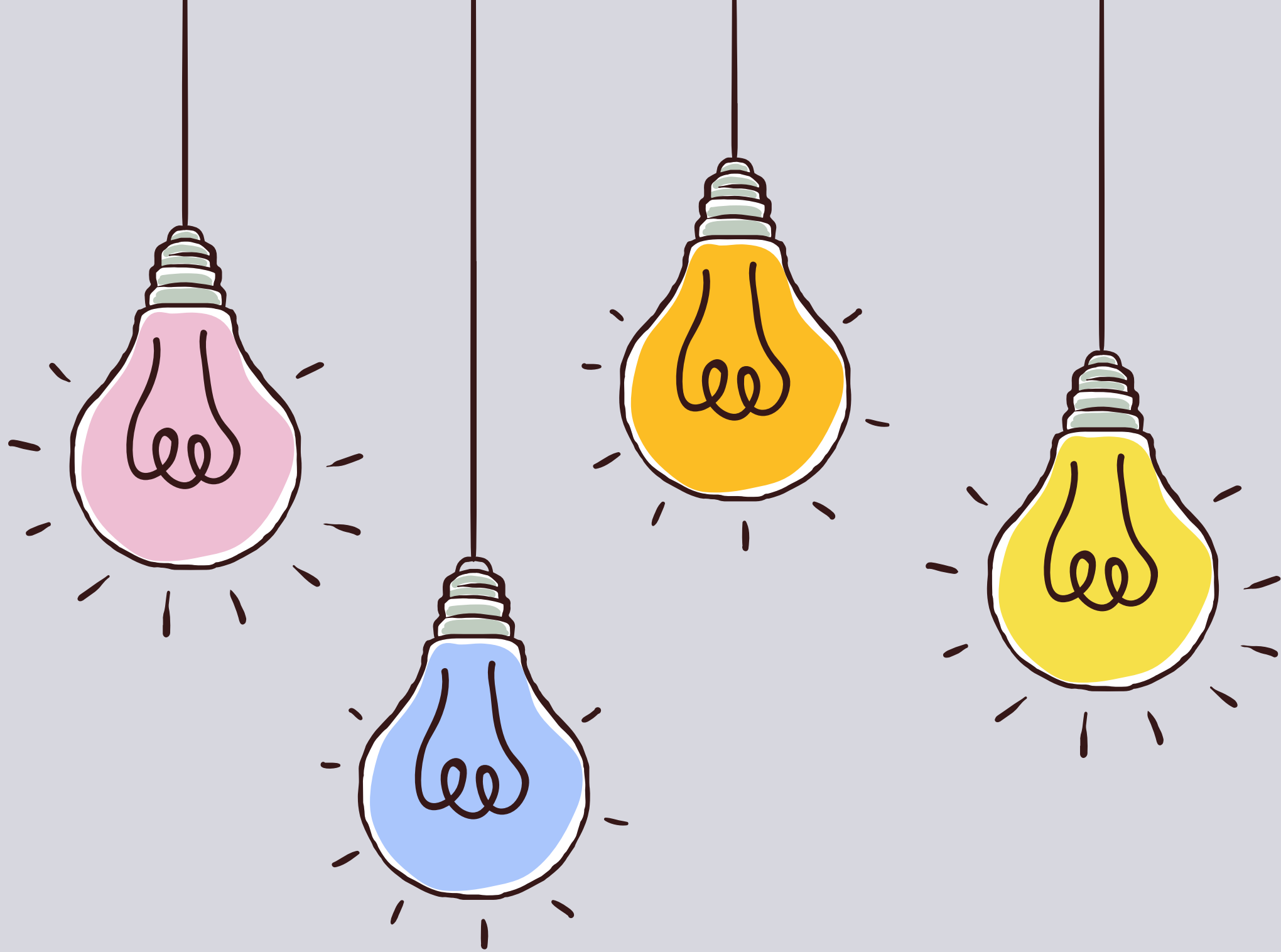
Overview

- Josh Cooperman will provide the board with an overview of the dark sky lighting project background and current ordinance.

Public comment (2 minutes/each)

LSAB Discussion

- Questions and comments
- Would the board like to submit a memo to Council about this ordinance? If so, the board will appoint two members to draft the memo, which will be presented at the May meeting for discussion and approval.
 - Motion
 - Seconded motion
 - LSAB vote
 - Record vote



Dark Sky Lighting

LSAB Overview

Wednesday, April 19

“Dark Sky” = Purposeful Lighting



Useful

Warmer color spectrum

Intentional light levels

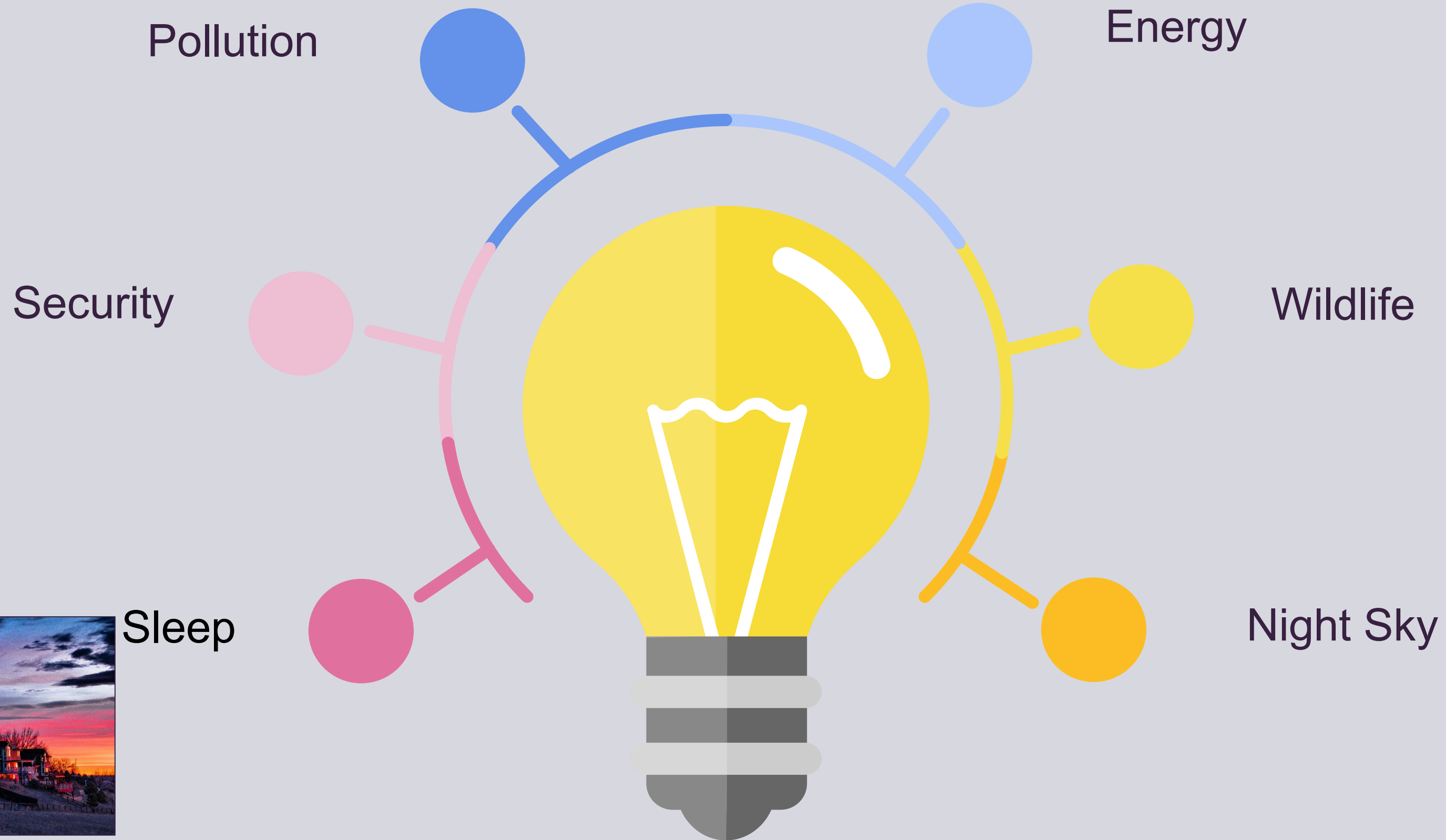
Targeted



Why now?

- 2023 City Council Work Plan (revived from 2021)

Balanced Benefits & Goals



Balanced Benefits & Goals

Pollution

Night Sky

Security

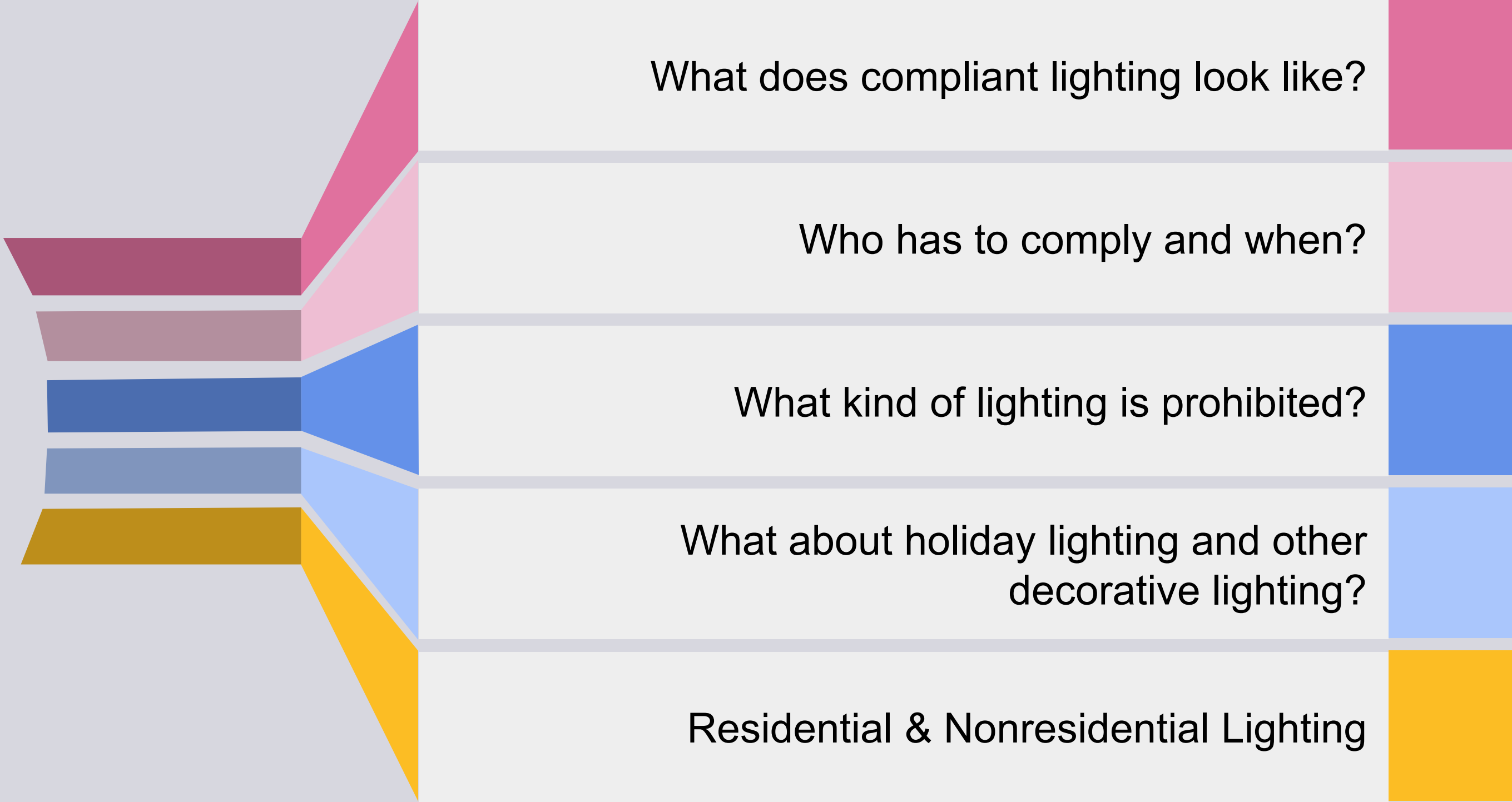
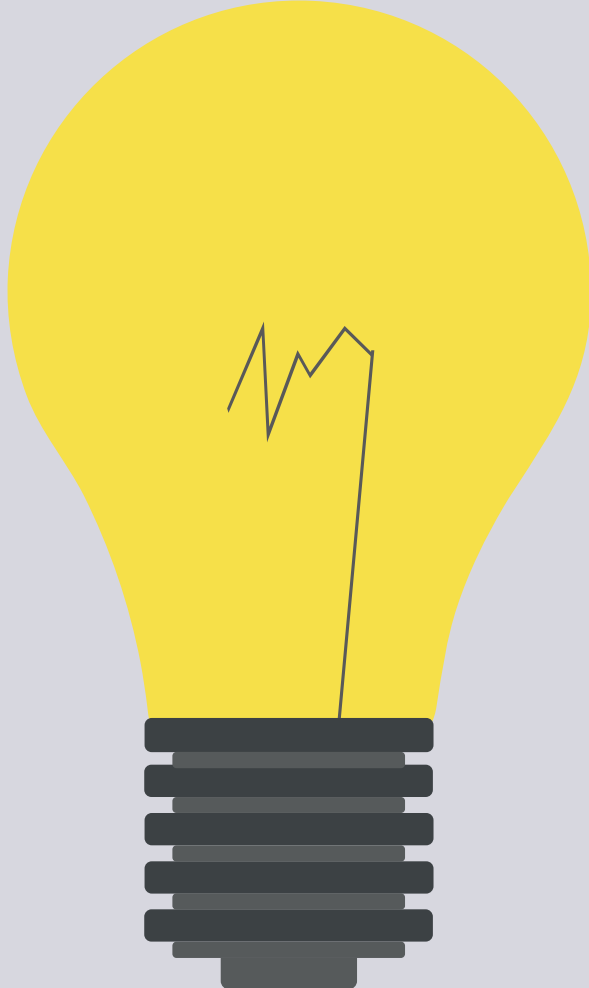
Energy

Sleep

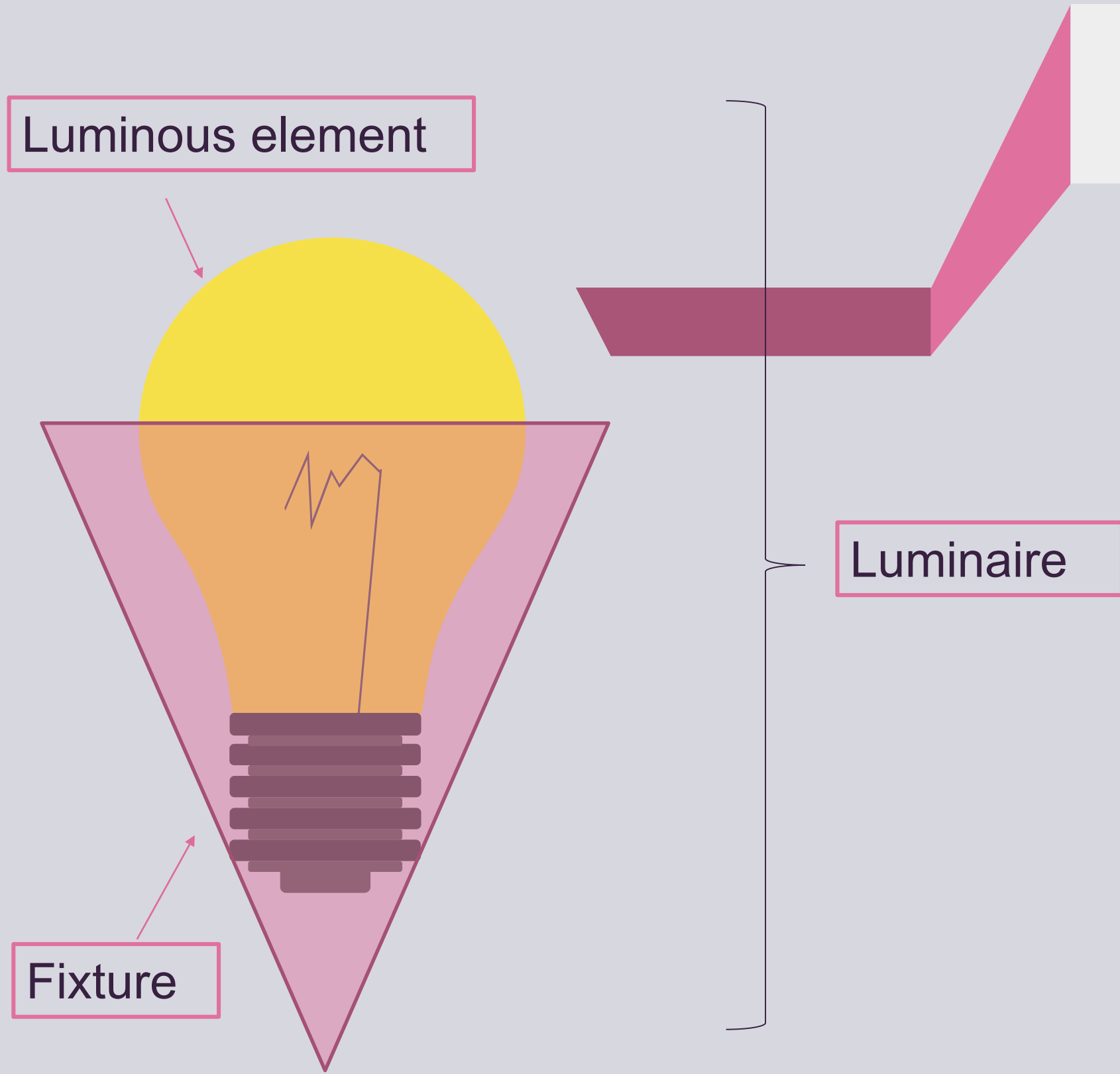
Wildlife



General Regulations in Draft Ordinance



General Regulations



What does compliant lighting look like?

Fully shielded



Discussion Item: Dark Sky Lighting Ordinance

Public comment (2 minutes/each)

LSAB Discussion

- Questions and comments
- Would the board like to submit a memo to Council about this ordinance? If so, the board will appoint two members to draft the memo, which will be presented at the May meeting for discussion and approval.
 - Motion
 - Seconded motion
 - LSAB vote
 - Record vote

LSAB March 2023 Meeting

Sub-Committee and Board Member Updates

Administrative Tasks

- Staff to write next Sustainability Spotlight, due May 15.
- Dan is May secretary

Discussion Items for Next Meeting

- Internal Decarbonization Plan (McKinstry)
- Sustainability & LSAB Communications and Outreach Strategies
- Dark Sky Lighting Ordinance memo

Adjourn