

# ***Recreation Advisory Board***

## ***Agenda***

**Monday, June 26  
Recreation Center  
900 West Via Appia  
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 1-719-359-4580 or 1-833-548-0276(Toll Free)  
Webinar ID #886 7577 1709*
- *You can log in via your computer. Please visit the City's website here to link to the meeting: [www.louisvilleco.gov/rab](http://www.louisvilleco.gov/rab)*

*The Board will accommodate public comments during the meeting. Anyone may also email comments to the Board prior to the meeting at [KathyM@LouisvilleCO.gov](mailto:KathyM@LouisvilleCO.gov).*

1. Call to Order
2. Roll Call
3. Approval of Agenda
4. Approval of Minutes
5. Public Comments on Items Not on the Agenda
6. City of Louisville Internal Decarbonization Plan Presentation-McKinstry Team
7. Staff Updates
  - Tennis Court Repairs Update
  - Golf Update

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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](mailto: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 Council Boards and Commissions Update
8. Board Updates
    - Outdoor Rec Amenities
  9. Discussion of items for next meeting
  10. Adjourn

## ***Recreation Advisory Board***

### ***Meeting Minutes***

**May 22, 2023  
Recreation Center  
900 West Via Appia  
6:30 PM**

**Call to Order** – Chairperson Norgard called the meeting to order at 6:30.

**Roll Call** was taken and the following members were present:

Board Members Present: Dick Friedson, Angie Layton, Gene Kutscher, Lisa Norgard, Mary O'Brien, Michele Van Pelt

Board Members Absent: none

Staff Members Present: David Baril, Daniel Bidleman, Paul Borth, David Dean, Kathy Martin, Abby McNeal, Nick Pappas, James Vaughan, Danny Weinstock

City Council Member Present: Deb Fahey

Public Members Present: none

**Approval of Agenda** – Kathy Martin asked to move the agenda item about tennis court repair to the first item on the agenda. The agenda and revised agenda order were approved by all members.

Motion: Lisa Norgard

Second: Michele Van Pelt

**Approval of Meeting Minutes** – The minutes from the April 24 meeting were approved as written.

Motion: Michele Van Pelt

Second: Gene Kutscher

**Public Comments on Items not on Agenda** – None

### **Staff Updates**

## Tennis Court Update – Abby McNeal

Abby McNeal reported that the repairs of the east courts at Centennial Park are 60% done. The work was delayed due to rain. Contractors will continue work on cracks at Pirates Park.

Abby asked for feedback on how to use the remaining money, given that there is not enough money to substantially repair two courts at the Louisville Rec Center, two courts at Centennial Park, and one court at Mission Green. Medium repairs cost \$60,000 to \$80,000 and will last for about two years. Full replacement costs \$150,000+ and will last 8–10 years. The Centennial Park repair would include a new fence.

- RAB members agreed that replacement is a better option when looking at the cost and how long the courts will last after work is completed. Replacement at both Centennial Park and the Rec Center would be ideal.
- The two tennis players on the Board agreed that the courts at Centennial Park should be slated for a full replacement first, due to the degree of current damage.
- One board member expressed astonishment at the cost of the repairs. Abby explained that she had a couple of bids, and that another company was too busy to even submit a bid.
- Although Board members did not have information about usage of the court at Mission Green, it is not used by City teaching programs nor by the tennis league. This court is significantly damaged and would require a complete replacement. There is currently not enough money to take care of this court in addition to the needed repairs at the other courts. However, Board members did not want to remove the tennis/pickleball court and replace it with something else, if that means that the City would lose a tennis court with no planned replacement court. The Mission Green court has also been used for pickleball, but the court is very close to houses and there is concern that pickleball may be too noisy.
- The court at Pirates Park is on school district land, so repairs are the best option at that location.
- RAB members would like the City to establish a more robust maintenance budget and repair cycle, so that amenities can be kept in better repair.

## Aquatics Update – Paul Borth

Paul Borth, Recreation Supervisor II, and his team presented information about the aquatics program. The aquatics program works to create safe and state-of-the-art facilities and programs for community enjoyment. The aquatics program is currently fully staffed with lifeguards.

- Danny Weinstock, Recreation Supervisor 1, reported that the aquatics team has the qualifications to do all trainings in-house. CPR/AED and Lay First Aid trainings are also provided to the community.
- Daniel Bidleman, Head Lifeguard, said that he trains and mentors new lifeguards. The aquatics program partners with the American Red Cross.
- Nick Pappas, Head Lifeguard, reported that staff try to prevent problems and prepare lifeguards for any eventuality.
- James Vaughan, Pool Maintenance Technician, reported that it is a complex job to clean the pools, replace worn parts, manage the pool chemicals and fix broken parts. It is a challenge to stay within budget.
- There are currently 12 Water Safety Instructors. The group swim lesson programs are popular and fill as soon as registration opens. The aquatics department cannot quickly add more group lessons, because it takes significant time to train new instructors, and there is limited space.
- The lifeguards feel validated by the increase in pay. The Louisville Rec Center is doing a good job of retaining lifeguards.
- Kathy explained the Rec Center has a dedicated funding source, which has renewal and replacement in the budget.

#### Golf Update – David Baril and David Dean

David Dean announced that new equipment is arriving. The fairway mowers are a quieter and more efficient. The new Robotic mower will mow 15 acres a week and will not require staff to pick up balls before mowing. He will look into purchasing an attached ball picker in the future. The City is deciding the best place to build a new cold storage building, which is needed to store and protect equipment and to store fertilizer.

David Baril reported that Top Tracer was scheduled for promotion and launch on Friday, May 19. Bad weather forced a change of plans, and the launch is now scheduled for May 26. Players have begun to use Top Tracer, and David reports positive feedback. In this introduction period the program is free. Starting on June 1, the cost will be \$10 per day.

Rec Advisory Board members expressed concern that the Golf Clubhouse was not included in the Sustainability Study that has been commissioned by the City Council. The building is inadequate, does not meet sustainability goals, and has aging infrastructure. Board members believe that the City Council should look at all the City buildings, not just focus on a few.

Kathy reported that City Council will meet to discuss Boards and Commissions on June 20.

## **Board Updates**

Rec Center patrons had commented that the upstairs temperature in the Rec Center has sometimes been hotter than desired. Kathy said that this could have been related to the roof work.

The Outdoor Rec Amenities Subcommittee is on hold, awaiting decisions by City Council about possible changes of the Boards and Commissions.

## **Discussion Items for Next Meeting**

Presentation of the Sustainability Study – McKinstry

Tennis Repair Update – Abby or Kathy

Staff Updates

City Council Boards and Commissions Update

Golf Course Update

Board Updates

**Adjourn** – The meeting was adjourned at 8:15.

Motion: Lisa Norgard

Second: Gene Kutscher

# Internal Decarbonization Plan

Recreation & Golf Advisory

Board

City of Louisville, Colorado  
June 26, 2023



# Project Overview

## City of Louisville Decarbonization Plan



Electrification  
& Efficiency

- Buildings
- Fleet
- Operations
- Parks Equipment



Renewables

- Roof-mounted
- Ground-mounted
- RECs

## Team Leads



Kayla Betzold  
Louisville Sustainability  
Coordinator

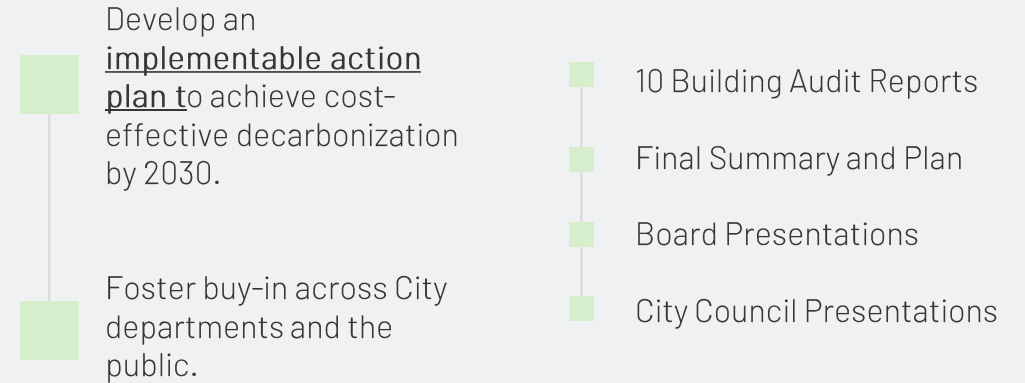


Ashley Brasovan  
McKinstry Team Director

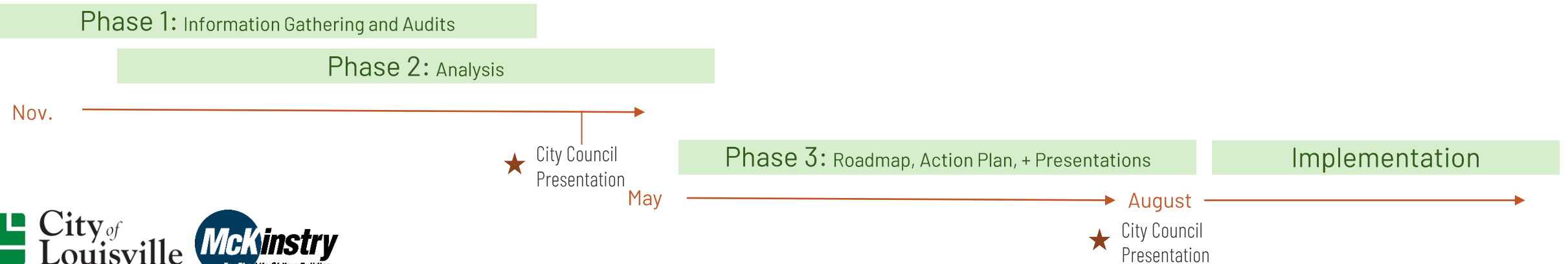


Brian Goldcrump  
McKinstry Technical  
Study Director

## GOALS → DELIVERABLES

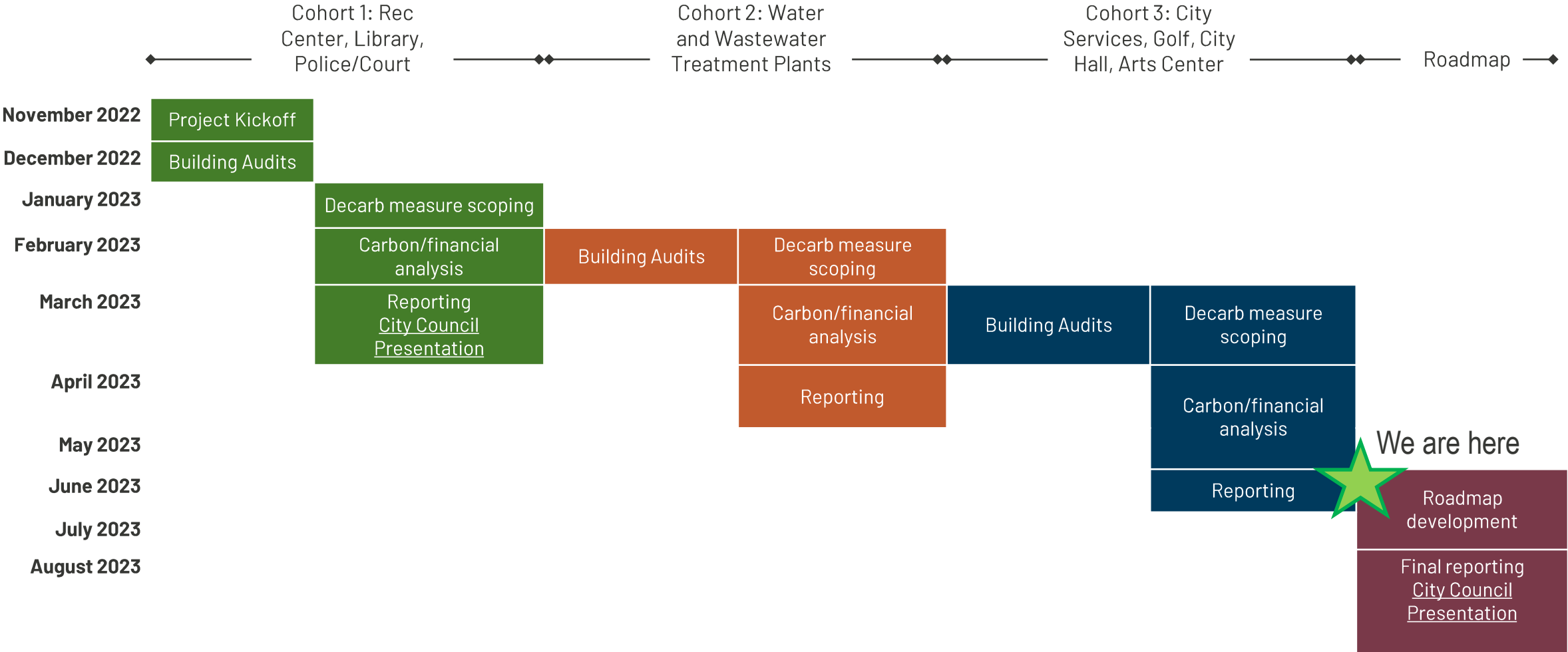


## Project Timeline





# Internal Decarbonization Plan Process



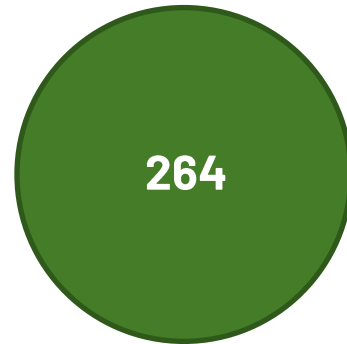
Funding Analysis - On-going



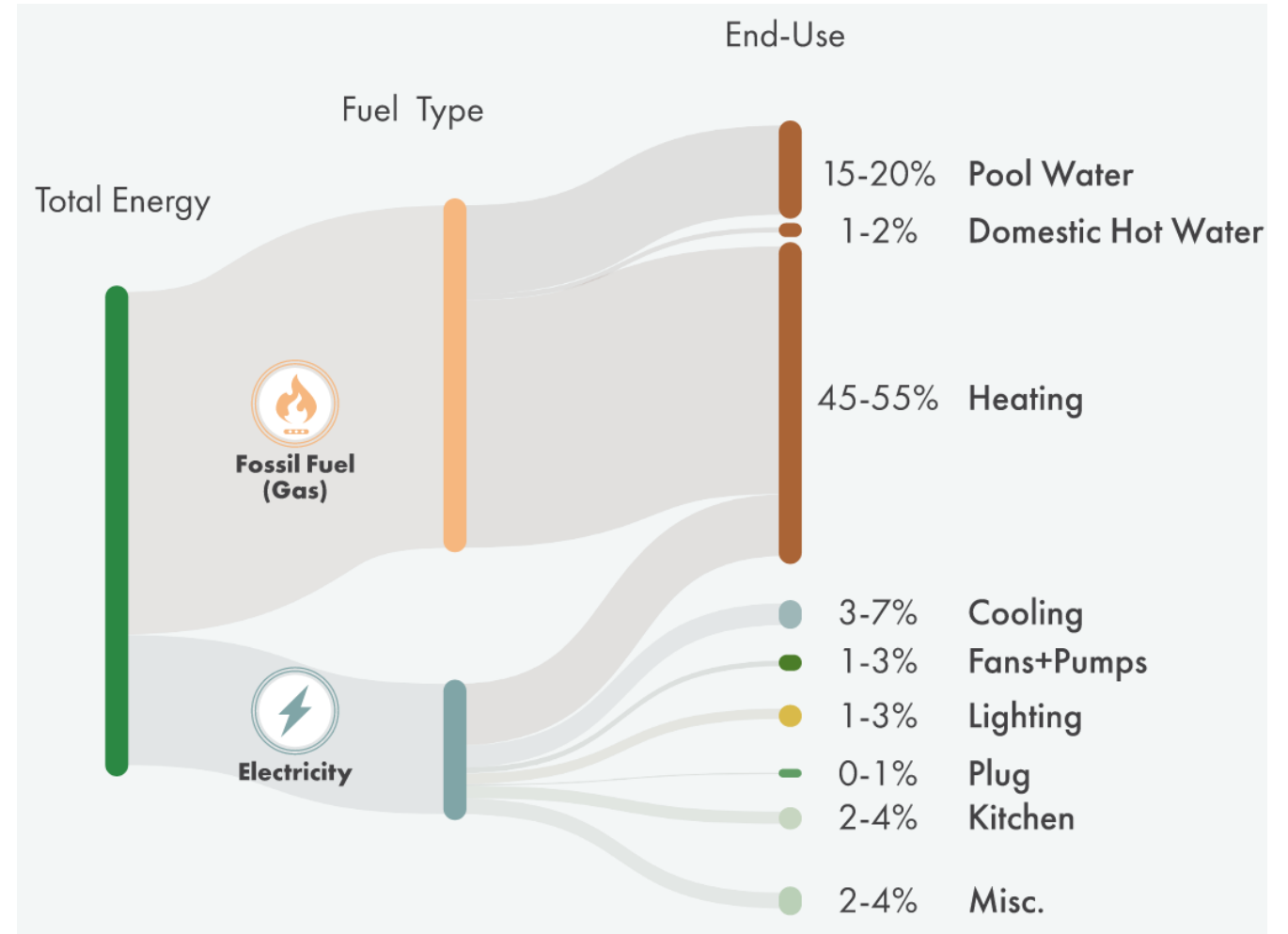
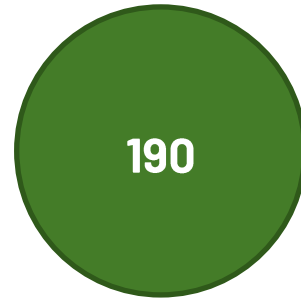
# Building Energy Benchmarking

## Baseline Performance (EUI-Annual Energy per sf)

**Recreation & Senior  
Center**  
104,000 ft<sup>2</sup>



**Golf (Clubhouse &  
Maint)**  
8,000 ft<sup>2</sup>



Rec Center Energy Use

# Recreation & Senior Center Measures



All Measures Analyzed  
Recommended Measures in Bold

## On-Site Renewables

- 150 kW Rooftop Array
- **380 kW Ground Mount Array**

## Battery

- 125kW, 250kW, 375+kW options
- 2hr – 8+hr storage capacity options

## Efficiency

- Pool Cover
- **Retro-Commissioning**
- **Sauna Control**
- **Lighting Controls**

## Mechanical Electrification

- Heat Pump HVAC and Pool Units
- Heat Pump Pool and Domestic Water Heating
- Geothermal Heating

## Electric Vehicles

- (3) Dual port, Level 2 chargers
- (2) Dual port, Level 3 chargers

# Golf Course Measures



All Measures Analyzed  
Recommended Measures in Bold

## On-Site Renewables

- **200 kW Carport Array**

## Efficiency

- Envelope sealing & insulation
- Lighting controls
- **Compressed Air controls**

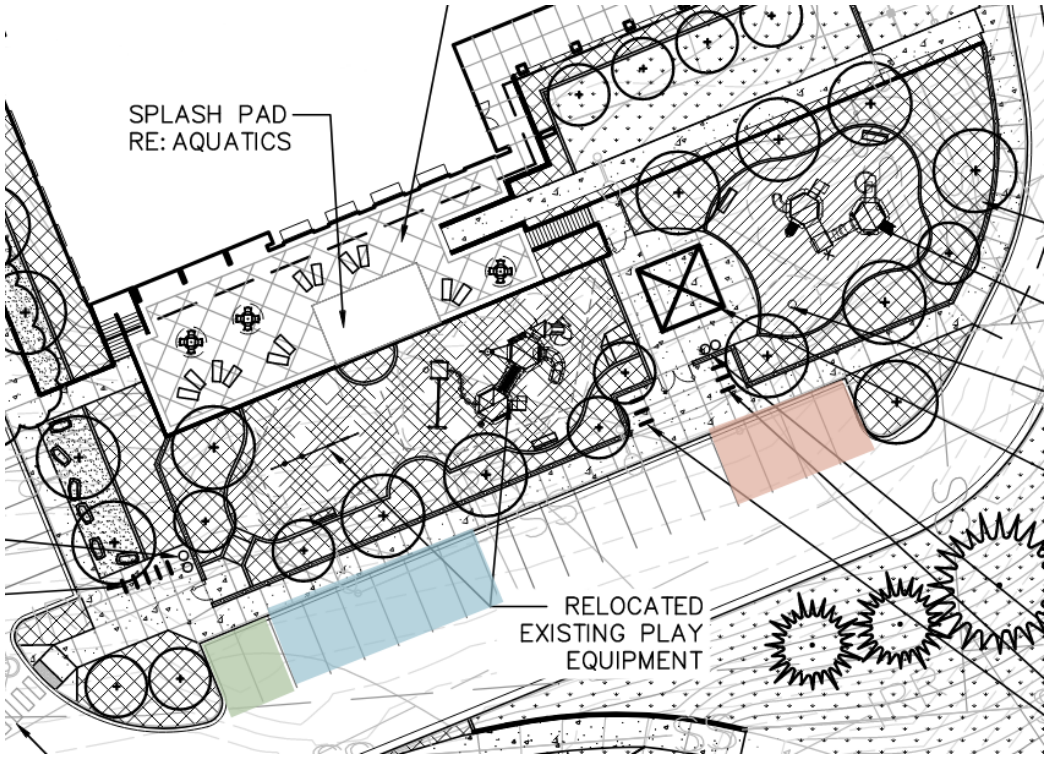
## Electrification

- Heat Pump HVAC and Domestic Water Heating
- **Cooking Equipment**
- Geothermal Heating

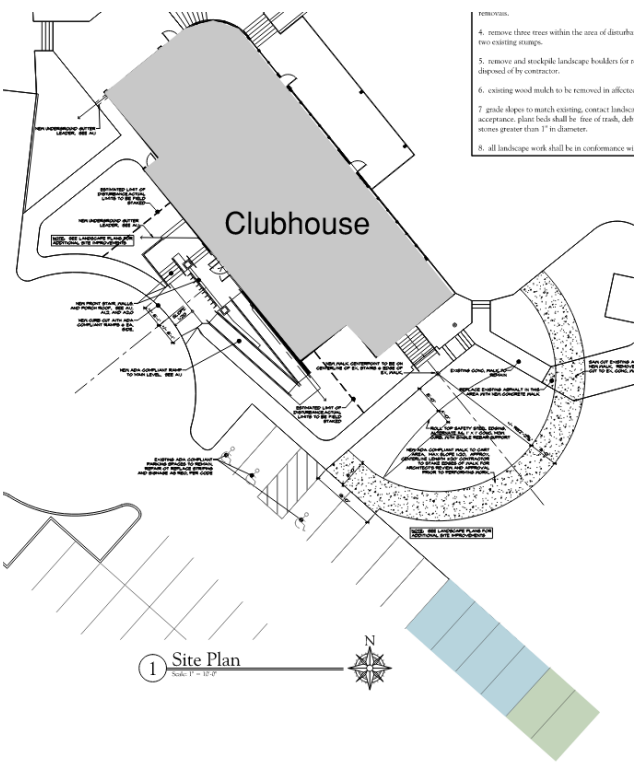
## Electric Vehicles

- (2) Dual port, Public Level 2 chargers
- Public Level 3 chargers

# EV Charger Locations



Rec Center – South and southwest of building  
 New - (6) Public and (4) Fleet  
 Existing - (2) Public

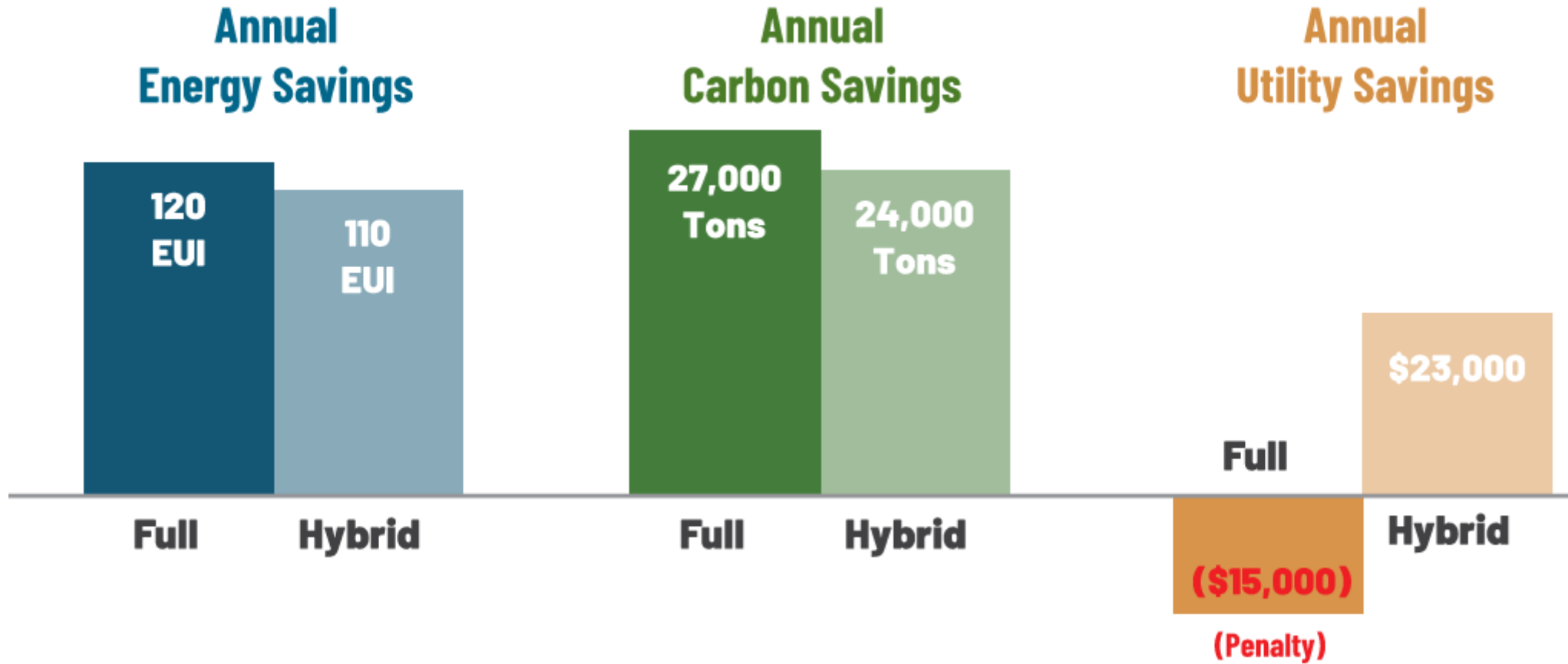


Golf Course Clubhouse – Southeast of Clubhouse  
 New - (4) Public  
 Existing - (2) Public

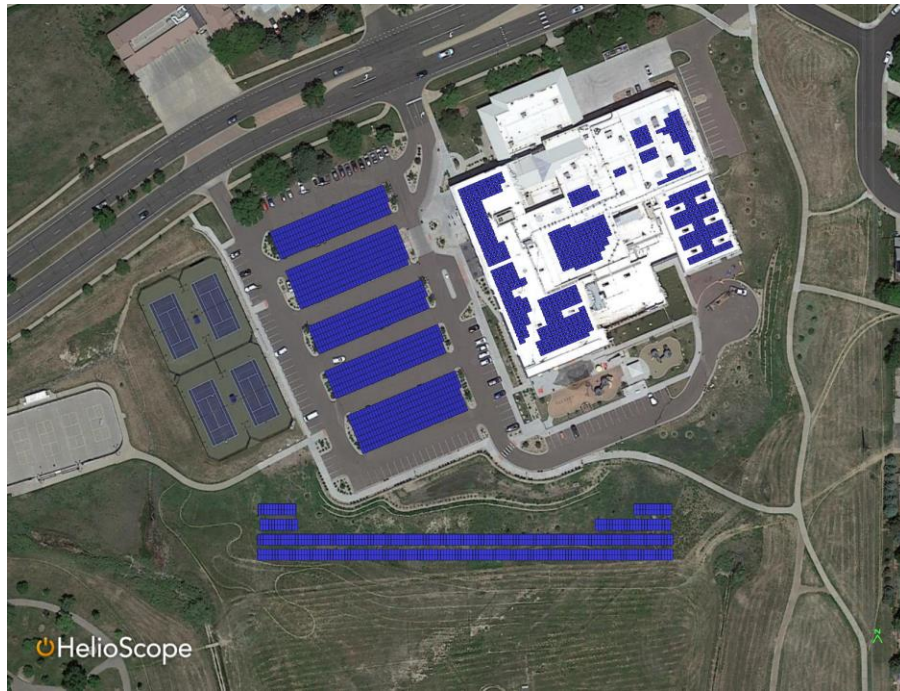
- Existing chargers
- New public chargers
- New fleet chargers

# Mechanical Electrification

## Rec and Senior Center



# Renewables



## Recreation & Senior Center

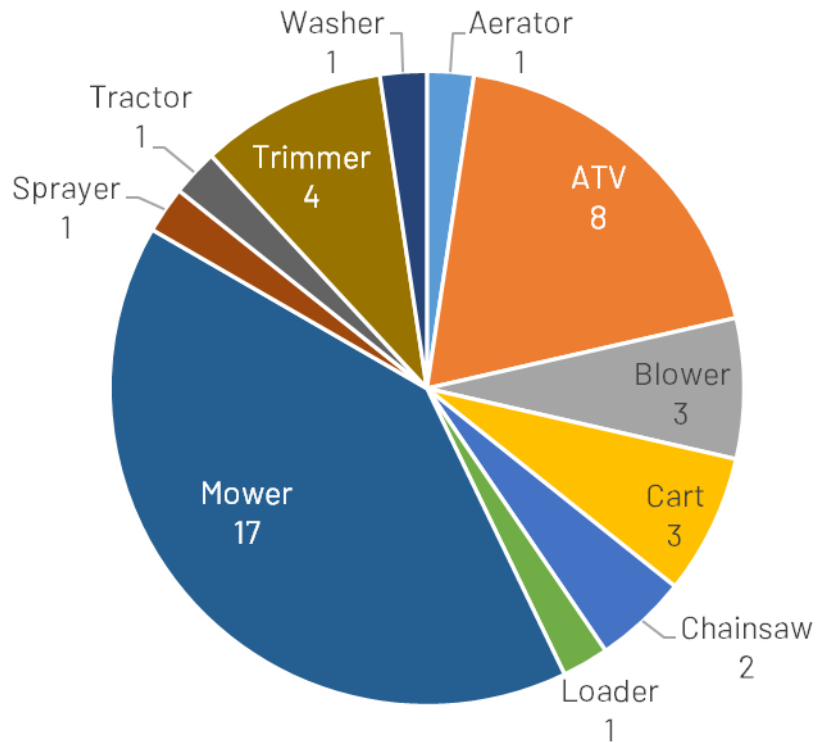
- 379+ kWdc Ground Mount Potential (recommended)
- 640+ kWdc Carport Potential
- 312 kWdc Rooftop Potential



## Recreation & Senior Center

- 202 kWdc Carport Potential
- Rooftop Not Evaluated

# Golf Miscellaneous Equipment



Business As Usual Replacements:	\$700k-\$1M
Electrified Replacements:	\$1.3M-\$1.6M
Cost Delta of Decarbonization:	<b>\$600k-\$1M</b>
Building Electrification Timeline:	Now and Ongoing
Total Carbon Reduction:	<b>100%</b>



# Plan Costs and Emissions

	Rec & Senior Center	Golf Course
Load Reduction:	\$500k-700k	\$50k-\$100k
Renewables:	\$1M-1.5M	\$1M-1.5M
EV Charging:	\$300k-\$500k	\$200k-\$300k
Cost Delta of Building Decarbonization*:	\$6M-\$7M	\$1M-\$1.5M
Total Cost of Decarbonization:	<b>\$8M-\$10M</b>	<b>\$2.5M-\$3.5M</b>
Building Electrification Timeline:	2024-2026 and 2034-2036	2030-2032
Total Carbon Reduction:	<b>87%</b>	<b>100%</b>

*\*The true cost delta of building decarbonization is the total cost of electrification minus the "business as usual" costs for replacing existing fossil fuel equipment with similar fossil fuel equipment*

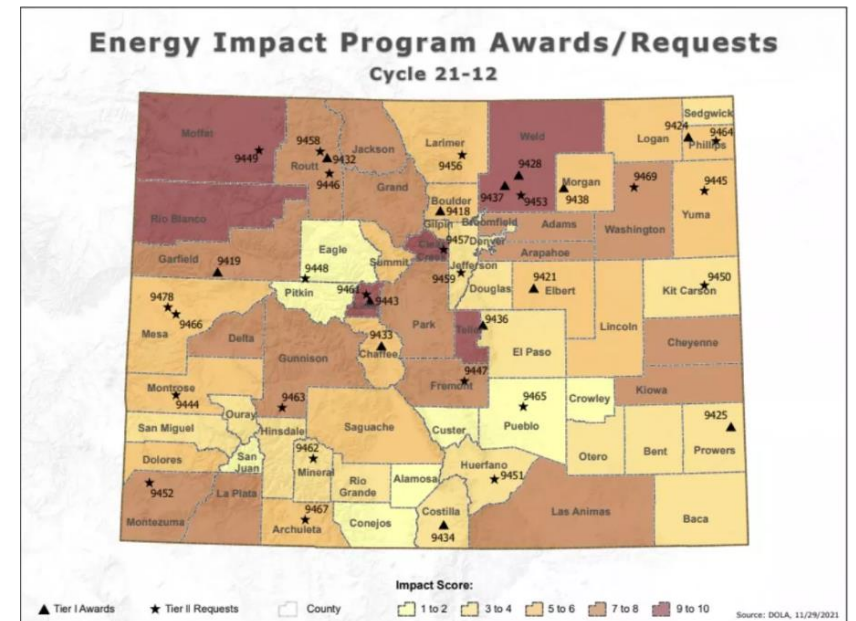
Building Electrification:	\$13M-\$15M	\$1.5M-\$2.0M
Building Business-As-Usual:	\$7M-\$9M	\$500k-\$1M

# Funding Opportunities Identified

- Colorado Public Building Electrification Grant
- Colorado Department of Local Affairs - RENEW & EIAF grants;
- Congressionally Directed Spending
- FEMA Building Resilient Infrastructure and Communities (BRIC) grant
- Charge Ahead Grant
- Inflation Reduction Act
  - Investment Tax Credit – Direct Pay
- US Department of Energy
- Xcel rebates
- Capital/CIP dollars
- Sustainability Tax
- Energy Performance Contract
- Lease purchase/COP/Bond



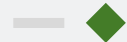
**COLORADO**  
Energy Office



**COLORADO**  
Department of Local Affairs

# Next Steps

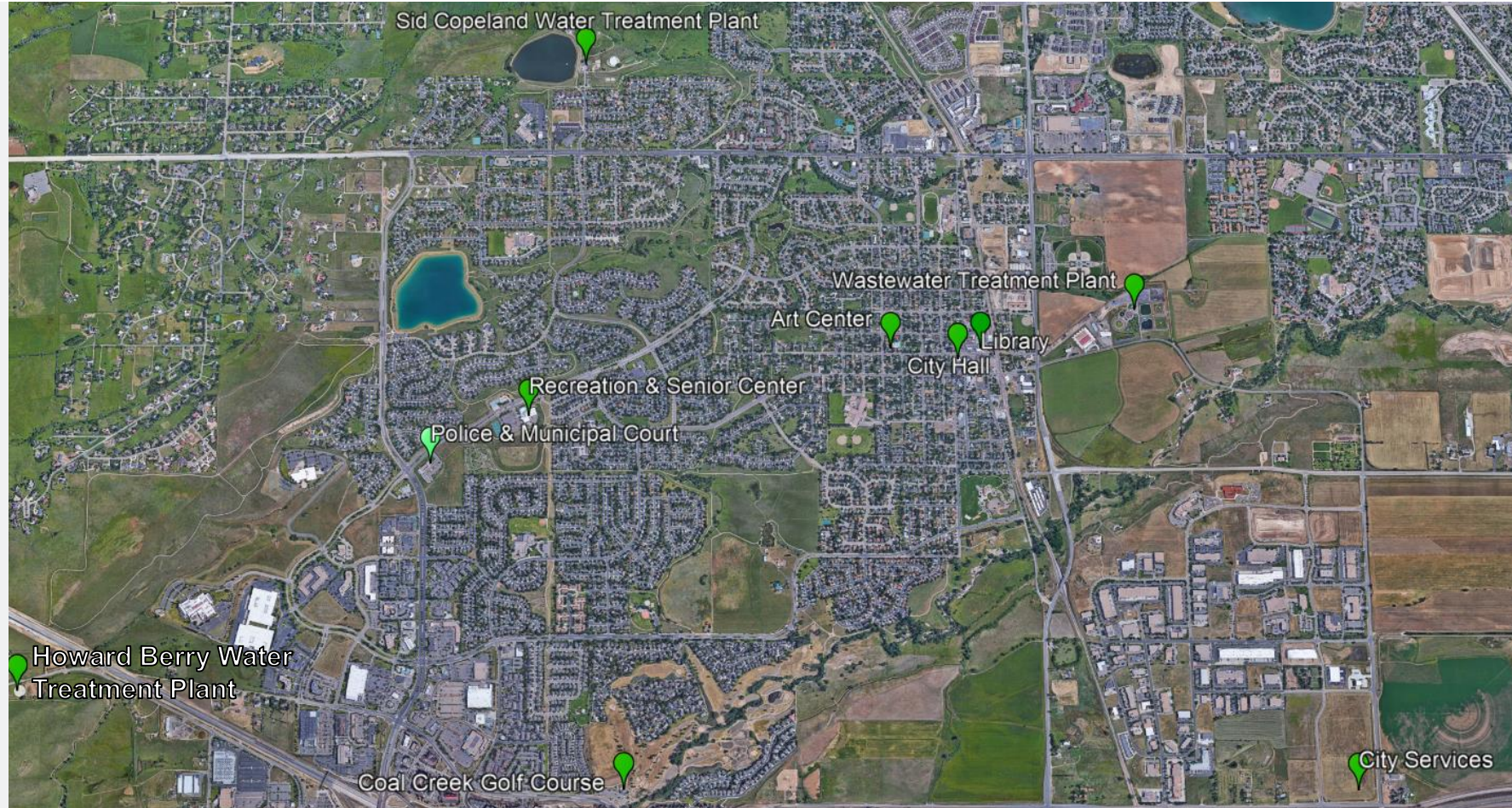
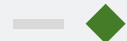
**Jul 12**  
Staff Final  
Feedback &  
Presentation



**Aug 1**  
Final Roadmap  
& Plan Due



**Aug 15**  
City Council Pres  
& Plan Adoption





— ◆ — **Discussion/Q&A**