

# ENVIRONMENTAL SERVICES MONTHLY REPORT

Review of May 2024

## HIGHLIGHTS

- The Sustainability Division is working to update the Town-wide greenhouse gas inventory for 2023. This will be the second Town-wide inventory; the first inventory was completed in late 2022 for 2021 emissions.
- The Energy & Environment Division is adding a new position, Environmental Analyst, in July. The position will assist with oil and gas regulation, spill/release remediation, mine subsidence, air quality, and other environmental challenges faced by the Town.

## CAPITAL IMPROVEMENT PROJECTS

### North Water Reclamation Facility

Conversations continue with Iconergy and potential funding organizations (DOLA) to develop a solar garden at the NWRF as well as microgrid system at the Erie Community Center. Discussion for the NWRF project has transitioned to flotovoltaics (floating solar) due to space limitations on site and the potential need to expand the facility as the Town grows.

### Streetlight Acquisition

Negotiations to purchase Town streetlights from Xcel Energy and United Power continue. Purchasing Xcel streetlights is moving along and may be finished as early as Q3 2024. United Power recently provided good news that they will move forward with a kWh rate structure for purchased lights instead of their previously proposed lumen-based rate, which was confusing and expensive. The Town is working with consultant Tanko to establish a Streetlight Master Plan to guide streetlight related development moving forward.

### Solar at Lynn R. Morgan WTP

The Town engaged Burns and McDonnell to assess the feasibility of solar PV at the Lynn R. Morgan Water Treatment Facility. Initial project proposal was received in late May and grant opportunities are being explored. This project would qualify for 40% direct pay incentives through the federal Inflation Reduction Act (IRA) due to the Treatment Facility operating in an energy burdened area.

# OIL & GAS

## News & Notes

### Erie 1-24

The contractor is finishing work on the Final Reclamation at the Erie 1-24, including site seeding and landscaping. Some concrete repairs are necessary, to begin approximately the week of June 24, and during this process the operator will need to block off the sections of concrete being repaired. The contractor is currently applying for the Erie ROW permit required for those areas and will do that work as the permit is issued.

### Arapahoe 2-26

Work to plug and abandon the well is completed with progress moving on site reclamation. No spills or previous releases have been reported.

## Spills & Releases

Operators reported 125 spills/releases during the month of May 2024, state-wide. None of these occurred within the municipal boundary of Erie.

## Inspections

ECMC Inspectors visited 7 oil and gas wells at 2 locations in Erie during the month of May 2024.

- **SRC PRATT (KP KAUFFMAN) 5/15/2024**
  - SRC PRATT 29SD
  - SRC PRATT 31-29D
  - SRC PRATT 41-29D
  - SRC PRATT 42-29D
  - SRC PRATT 32-29D
  - M E DRIER 1
- **UPRR 43 PAN AM B 4 (KP KAUFFMAN) 5/31/2024**

No Notices of Alleged Violation (NOAV) or Corrective Actions (CA) were issued during inspections. The inspection of the SRC Pratt location was in response to apparent fugitive emissions reported to Town staff by a resident on 5/9/2024. When responding to the resident concern, staff observed KP Kauffman personnel arrive and shut in all valves on-site. Valves remained shut at the time of ECMC inspection on 5/15/2024.

So far in 2024, inspections have occurred at 26 of the 137 total active wells (those designated producing, shut-in, or temporarily abandoned) within Erie (19%).

# AIR QUALITY MONITORING

## BoulderAIR

The BoulderAIR ECC monitoring station reported the following events where measured values exceeded their “alert” thresholds.

- 5 days included measurements of ozone concentrations exceeding the alert threshold of 70 ppb, with the highest reported 10-minute average value being 72.13 ppb. No occurrence of ozone

above 70 ppb for an 8 hour duration (Federal violation standard) were measured in May. Elevated ozone is of major concern across the region and will become more common as the weather warms and the area sees increased UV radiation during summer. The Northern Front Range is currently considered to be in Severe violation of Federal Air Quality Standards for ozone concentrations, with an attainment deadline of July 20, 2027. More information is available from CDPHE here: <https://cdphe.colorado.gov/ozone-pollution-and-your-health>

- 4 measurements of PM2.5 concentrations exceeding the alert threshold of 35.0 µg/m<sup>3</sup>, with the highest reported value being 102.3 µg/m<sup>3</sup> (274% the National Ambient Air Quality Standard for 24-hour exposure of 35.0 µg/m<sup>3</sup>), though the measured event was less than 5 minutes in duration. While no observations approached the 24-hour primary 24-hour standard, high PM2.5 measurements have been frequent since the BoulderAIR station was installed. When compared to the other BoulderAIR monitoring stations in the region, Erie's (ECC) PM2.5 measurements are similar to those at Longmont's Union Reservoir (LUR), higher than those at Broomfield's Soaring Eagle (BSE), and considerably lower than measurements in Commerce City (CCF).

## Ajax/CSU

One canisters trigger event to collect samples due to elevated PID sensor readings this month on May 31<sup>st</sup> at the Landfill South Station. Analysis of the event is in process.

A reminder that residents of Erie can rent an air quality sample canister free-of-charge from Town Hall.

## LANDFILL TASK FORCE

The second meeting was held on May 29, 2024, with the focus of discussions on potential entrance locations and preferred haul routes. The meetings continue to generate significant interest from residents and are well attended. An on-site tour with Taskforce members to visit potential entrance locations and assess preferred haulage routes is scheduled for late June. While a consensus recommendation was not reached by the Task Force in the May meeting, the dialogue was very productive and the topic will continue at the next meeting, scheduled for June 26th.

A full meeting summary will be available on the Landfill Task Force Website ([www.erieco.us/LandfillTaskForce](http://www.erieco.us/LandfillTaskForce)) once comments and edits from Task Force Members are complete.

## SUSTAINABILITY & WATER CONSERVATION

### General Updates

Eryka Thorley and David Frank attended the annual [Colorado Community for Climate Action](#) Retreat in early June. Members of this organization now include 43 counties and local governments across the state, representing over 25% of the state's population. The meeting focused on legislation efforts in 2024 as well as new potential focus areas for this climate action centered organization.

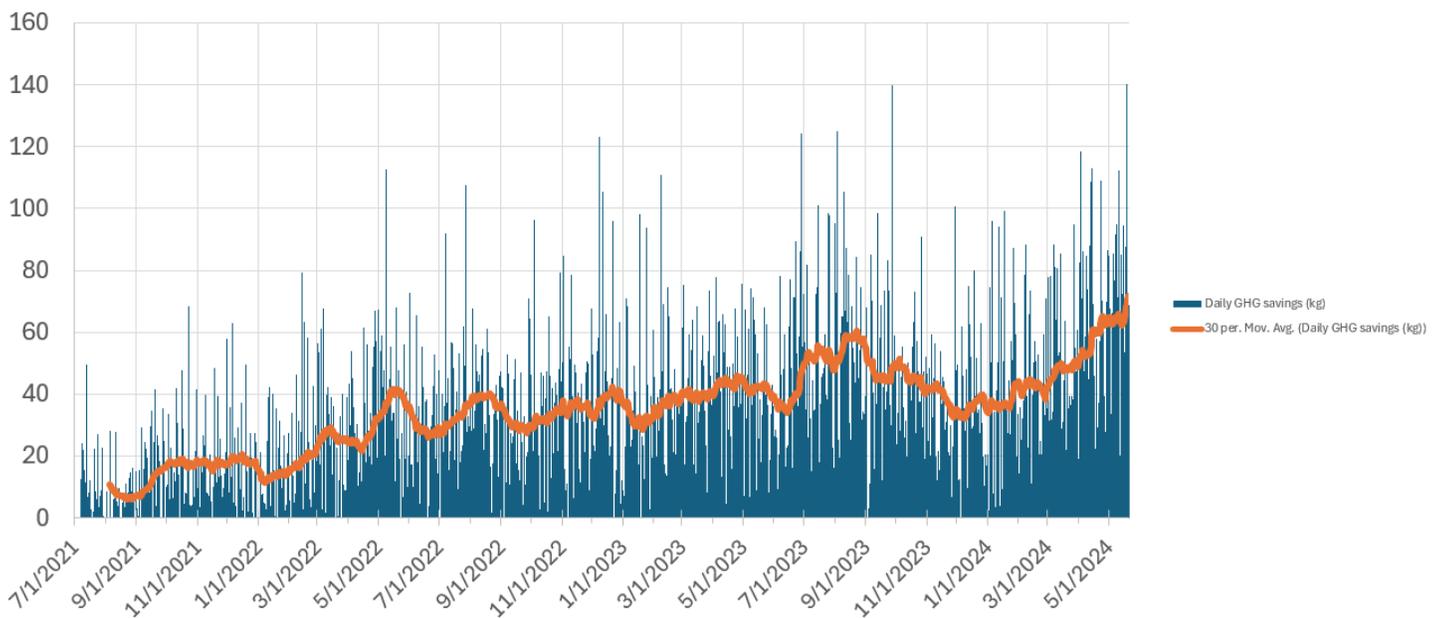
The Sustainability Division is working with Communications to establish engagement materials for our Pierce Street office including a historical timeline of the building as well as net zero details regarding the building renovation, solar, air source heat pump, heat pump hot water heater, etc. These materials will support external outreach at the building as well as the upcoming 150th celebration that will highlight Sustainability efforts with four separate topic-based presentations in the month of August.

Sustainability’s 150<sup>th</sup> celebrations will include four weekly presentations covering topics such as the history of 625 Pierce Street (where the Division is based), waste diversion strategies, water conservation techniques and beneficial electrification efforts. These presentations will be hosted on Thursday evenings with further details coming soon.

## Air Quality & Transportation

- The Boulder County Regional Transportation Electrification cohort is in the initial launch of their recently awarded Department of Transportation CFI grant (\$4.9 million) to which Erie committed as a project partner along with many other Boulder County municipalities. Partner MOU’s are in the development process.
- Indoor air quality rebates continue including radon systems and air purifiers.
- The Sustainability Division and Grants Team are exploring EV grant opportunities from the state to support vehicle procurement as well as EV infrastructure. These grants are due in late June.

**Daily (blue) and monthly moving average (orange)  
GHG savings (kg)**



The above ChargePoint Town of Erie graph (22 ports of Level 2 charging) outlines the greenhouse gas savings per day (in blue) so far since July 2021 at Town of Erie ChargePoint EV charging stations. The 30-day moving average of the total savings (in orange), shows a clear increase in savings over time. Since January 1<sup>st</sup>, 2024, Town of Erie EV charging stations avoided 7,175 kg of Co2 or avoiding 32,287.5 miles of driving an average gas consuming vehicle.

## Energy & Efficiency

- [Energy Efficiency rebates](#) continue to support residents with \$13,175 is rebates processed as of June 17<sup>th</sup>. Sustainability continues to increase rebate opportunities such as the recent electric lawnmower addition.
- The Sustainability Division was accepted by the Partners In Energy program to begin development on a [Beneficial Electrification Plan](#) for the Town of Erie. This effort will begin in late May and run for 6-9 months. Both Louisville and [Superior](#) have completed similar plans identifying and outlining how to decarbonize their built environment.
- The Sustainability Division and the Building Division continue to participate in the Regional Energy Code Cohort. Climate Pollution Reduction Implementation Grant championed by the Denver Regional Council of

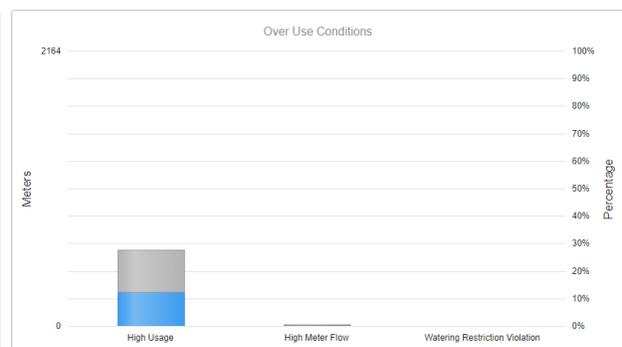
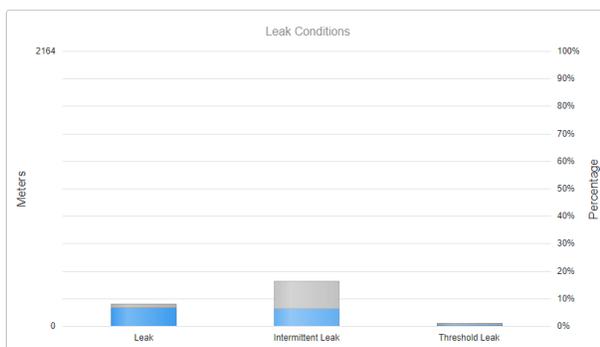
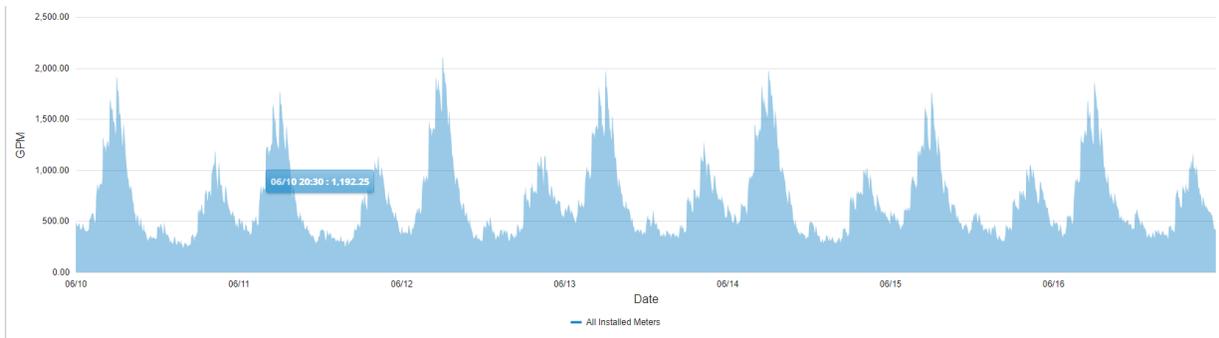
Governments (DRCOG). If awarded, this grant will bring just shy of \$200 million for building electrification to the Colorado Front Range corridor, including Erie.

## Outreach & Education

- The Sustainability Division will again be participating in Ecotobefest, a collaborative event with Louisville, Lafayette and Superior that showcases sustainability in the Front Range. This year's event is Oct. 5 from 2-6 p.m. at the Louisville Community Park. If you are interested in being a vendor at this event, please email [sustainableerie@erico.gov](mailto:sustainableerie@erico.gov) for more details.

## Water Conservation

- Waterwise Landscaping Ordinance development with Western Resource Advocates and WaterNow Alliance – official meetings begin in July.
- Moving forward with design firm Kimley Horn for Leon A. Wurl Service Center 24,000 square foot turf replacement project.
- Town of Erie [Turf Replacement Rebate Program](#):
  - 47 total projects in pipeline or completed.
  - Project pipeline represents \$57,103 in potential rebates.
  - 10 projects completed to date with 14,044 sq. ft. of turf replaced and \$12,153 spent on rebates
- [Water Efficiency Rebates](#) – 109 rebates provided to residents so far in 2024.
- [Resource Central](#) programming is off a great start with irrigation assessments just beginning now:
  - 87 of 100 Garden in a Box subscriptions have been purchased.
  - 20 active applicants in the Lawn Replacement program.
  - 5 Slow the Flow appointments completed, 33 scheduled.



Leak Count

490

Out of 11,998 Meters

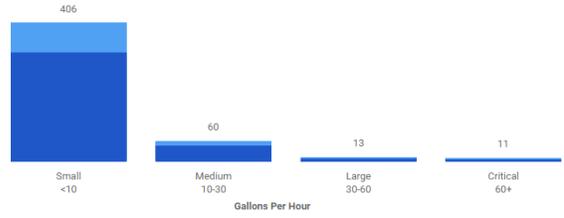


379 77%  
Without EyeOnWater

111 23%  
With EyeOnWater

Leak Flow Rates

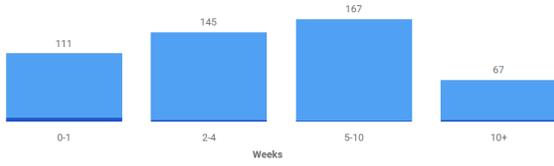
Over 7 Days New



Leak Duration

Critical Small - Large

Average Leak Duration: 11 Weeks



Take Action

View customers with leaks or Export data.

[View](#) [Export](#)