



# Wastewater Utility Service Commitments

# ORDINANCE NO. 230891 (Held in Committee)

## Biogas Use Applications Project

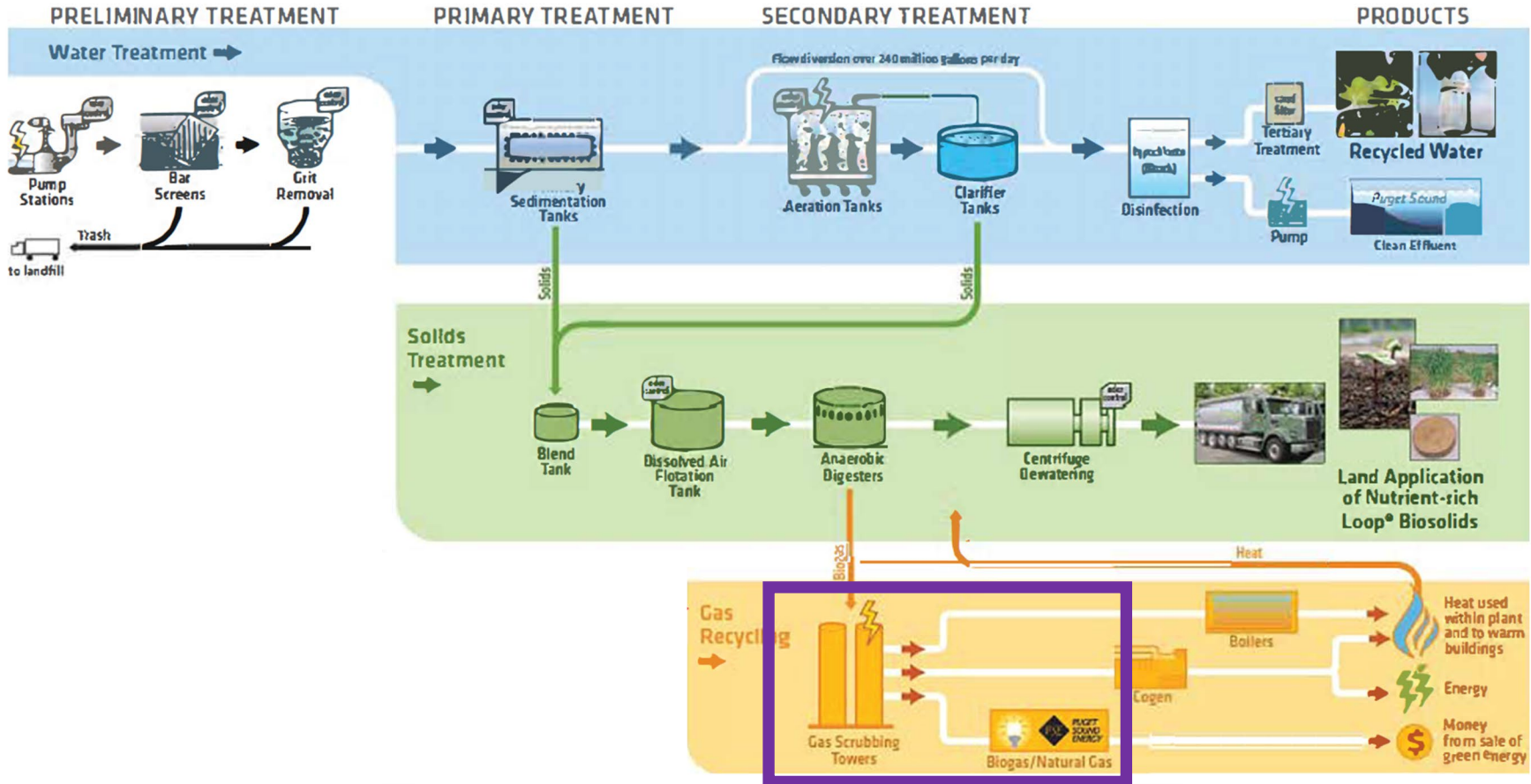
Authorizing a Design-Build-Finance-Operate-Maintain (DBFOM) Agreement with Spire Missouri Inc. (Spire), for the Biogas Use Applications Project; estimating annual revenue in the Water Services Department Sewer Fund; and authorizing a contract term of twenty (20) years.

No Public funds will be used for the design, construction, operation and maintenance of this facility.

October 23, 2023

Climate Protection Steering Committee





# Procurement Timeline

- March 2019 Biogas Treatment and Utilization Removed from Biosolids Project
- November 2021 Request for Letters of Expressions of Interests went out, Letters came in February 2022
- February 2022, KC Water reached out to OEQ
- April 2022 Request for Qualifications, August 2022 Statements received
- October 2022 Request for Proposals Provided, Proposals Received March 2022
- Bid Opening May 2022

## Climate Resiliency Plan Timeline

- January 2022, overall goals sent to Department Heads for Reviews
- Short-Term Implementation Plan finalized June 2022
- Resolution of Support July 2022

**BID SUMMARY**  
 PROJECT NO. 81000992 / CONTRACT NO. 1663  
 BIOGAS USE APPLICATIONS PROJECT  
 5/30/2023  
 TIME 2:00PM

TOTAL # OF ADDENDA: 10

Bidder	Technical Proposal Score	Conversion Factor Percentage	Project Up-Time Percentage	Revenue Share Percentage	Amount Due from City per CF Shortfall of QDT (\$/CF)
AnaergiaTechnologies, LLC	74 points	99%	95%	15%	\$0.017
Spire Missouri Inc.	95 points	97%	95%	23%	\$0.015

## Clean Air Act

1. Regulates large discharges of Clean Air Regulated Chemicals such as Sulfur Dioxide
2. Currently we flare all biogas at Blue River
3. No emissions controls on the flare
4. All Hydrogen Sulfide to SO<sub>2</sub>
5. 78 Tons of SO<sub>2</sub> per year

August 28, 2023

Brent Herring, Wastewater Treatment Division Manager  
KC Water Wastewater Treatment Division  
7300 Hawthorne Road  
Kansas City, MO 64120-2309

**REFERRAL NOTICE OF VIOLATION**  
**AIR POLLUTION CONTROL RNOV# KCAP23007**

Dear Brent Herring:

On July 25, 2023, a team member from the Missouri Department of Natural Resources conducted an inspection of the Blue River Wastewater Treatment Plant located at 7300 Hawthorne Road, Kansas City, in Jackson County.

Compliance with the Clean Air Act (CAA) Missouri Air Conservation Law was evaluated. The enclosed report documents the serious and significant violations that were identified. A Referral Notice of Violation (RNOV) is being issued for the violations identified in the enclosed report.

Violations of federally enforceable CAA requirements are to be reported to the United States Environmental Protection Agency (US EPA) and are called Federally Reportable Violations (FRVs). These violations are considered to be FRVs. A Referral Notice of Violation is being issued for the serious and significant violations that were identified.

Because Blue River Wastewater Treatment Plant is an applicable source and these violations are considered to be FRVs, they are required to be reported in US EPA's national database as having occurred and addressed as expeditiously as possible. The applicable CAA laws requiring FRV reporting in this matter are New Source Review (NSR), US EPA approved State Implementation Plan (SIP), and Title V.

This case is being referred to the Department's Air Pollution Control Program Compliance and Enforcement Section for further action. If you have questions regarding the status of the enforcement case, or would like to meet with Department team members to discuss compliance requirements, please contact Shelby Miller at 573-751-4817 in the Air Pollution Control Program, P.O. Box 176, Jefferson City, Missouri 65102, or by email at shelby.miller@dnr.mo.gov.

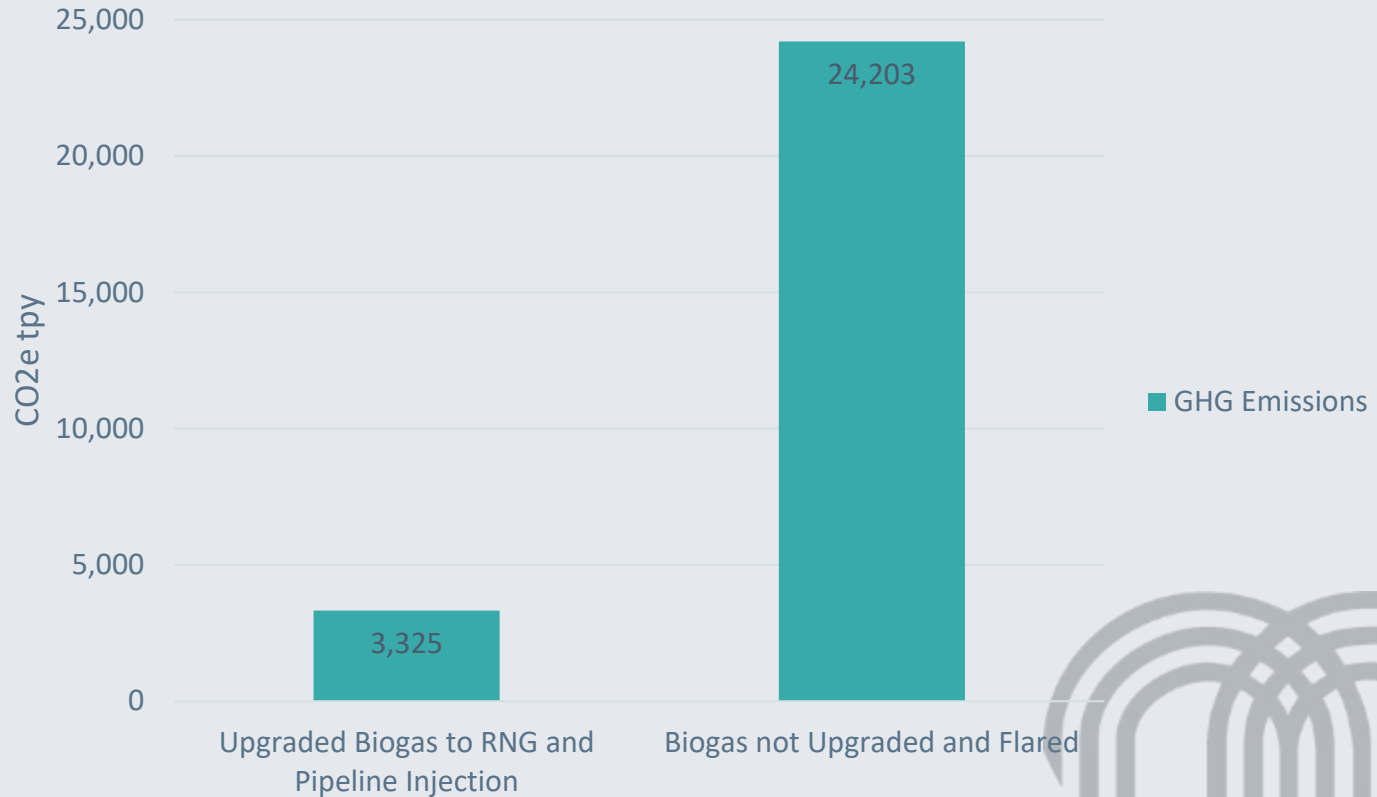
Sincerely,

KANSAS CITY REGIONAL OFFICE

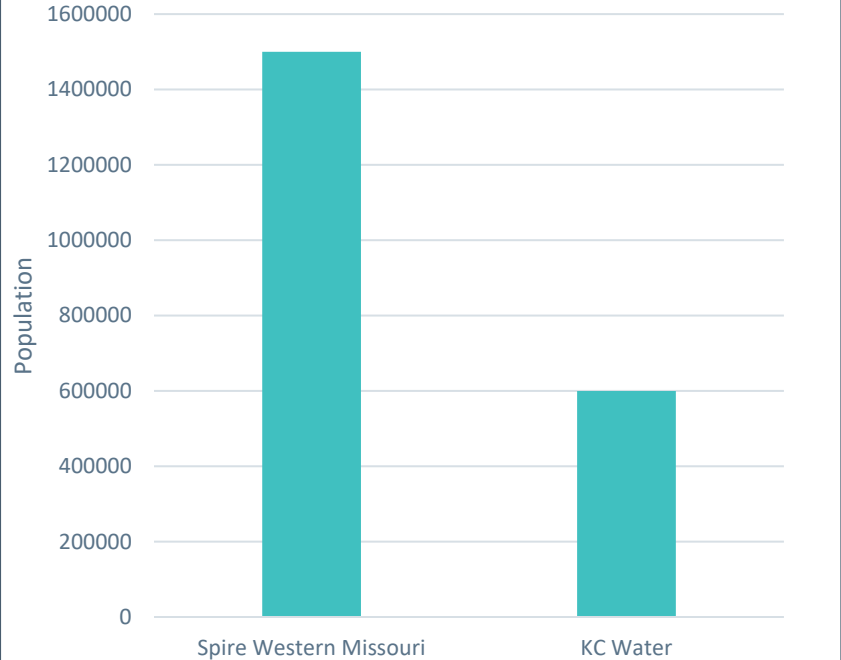


Karen J. Rouse  
Regional Director

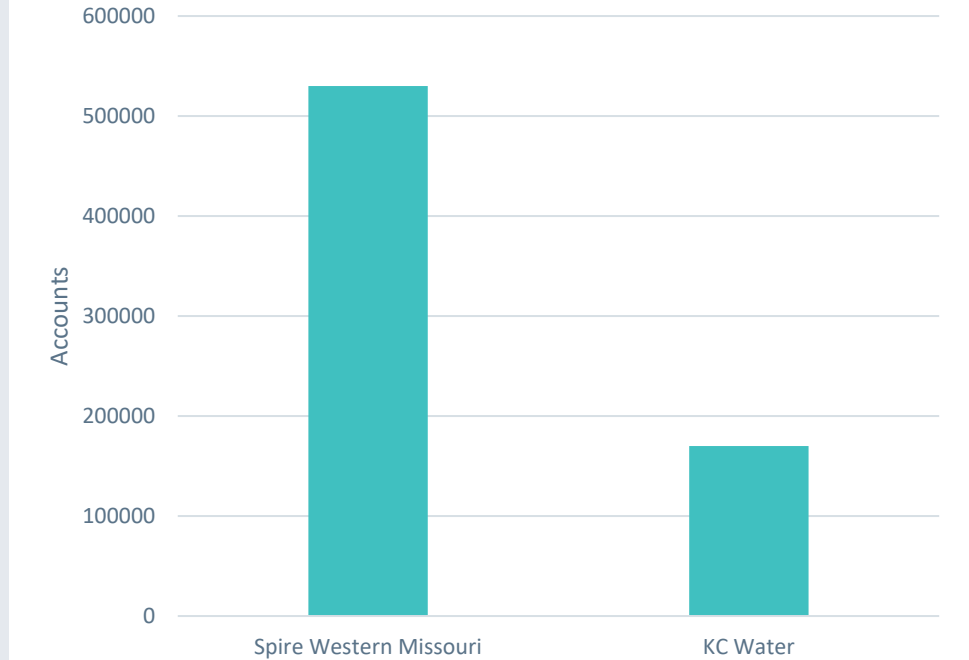
## Modeled Emissions



### Service Population



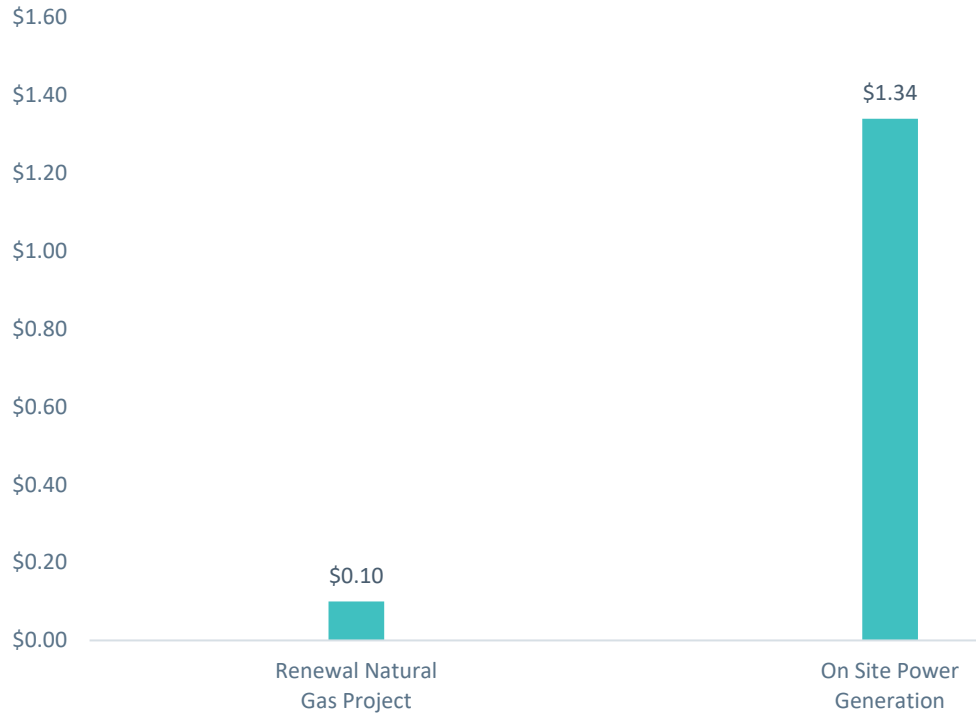
### Customers

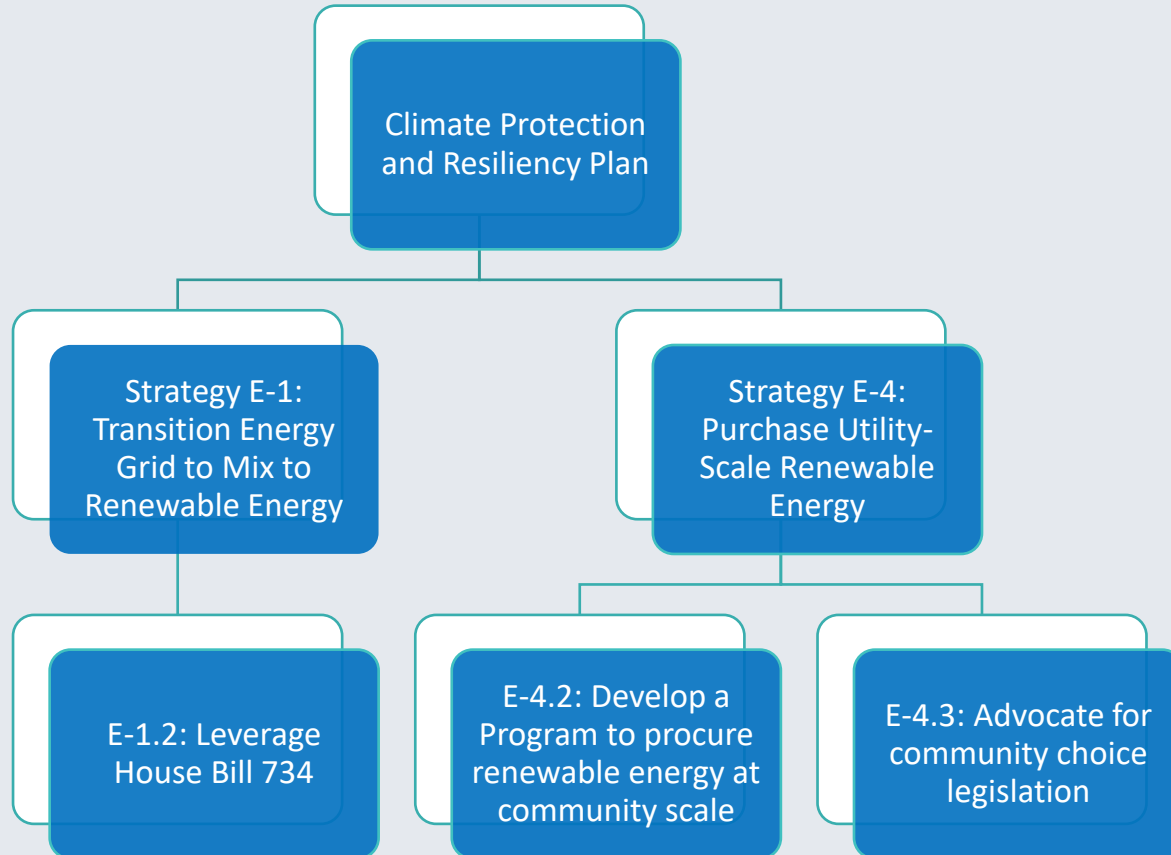


\* Estimated Rate are dependent on actual market pricing over the 20-year term of the contract.



### Estimated Monthly Rates increases for Biogas Options\*





## CPRP Short-Term Implementation Plan

# SHORT-TERM IMPLEMENTATION PLAN

6/24/2022

This document is intended to be a living document, updated from time to time to reflect new partnerships, shifting roles, and emerging opportunities - following the continuous improvement cycle shown in Figure 1. In 2025, the City should review the emissions reduction impact and the success of the identified action, then choose additional actions from Strategy Library: Options for Mid- and Long-Term Actions at the end of this document, or from additional stakeholder engagement, to create a work plan for the next five years.

CPRP Short-Term  
Implementation  
Plan

Mid- and Long-Term  
Implementation  
Goals

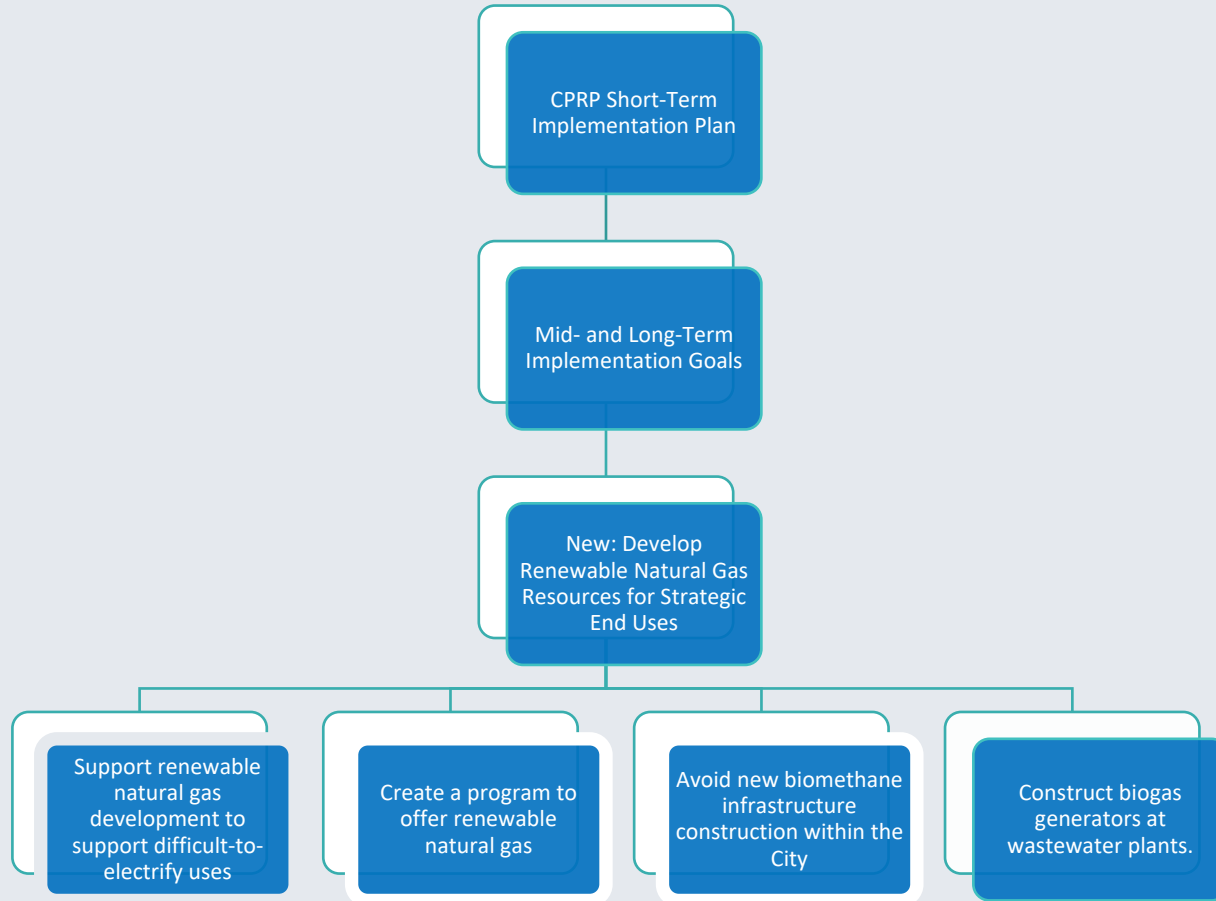
New: Develop  
Renewable Natural  
Gas Resources for  
Strategic End Uses

## STRATEGY LIBRARY: OPTIONS FOR MID- AND LONG-TERM ACTIONS

The following actions were identified during the planning process as potential actions to support strategy implementation in the mid-term (2026-2030) or long-term (Beyond 2030). As City staff evaluates progress and looks toward 2026 and beyond, this list can be used as a library to help develop workplans.

### NEW: DEVELOP RENEWABLE NATURAL GAS RESOURCES FOR STRATEGIC END USES

Support Spire's net-zero carbon emissions by 2050 pledge through the development of renewable natural gas and other carbon reduction strategies. Renewable natural gas development will likely not be able to support all the community's natural gas use, so should be reserved for difficult-to-electrify uses like industrial processes, emergency power, and unique uses beyond space heating, hot water heating, and cooking.



THANK YOU

A decorative graphic at the bottom of the slide consisting of several overlapping, wavy bands of blue in various shades, from light to dark, creating a sense of water or movement.