

**RWQCP – FEEDSTOCK RECEPTION STATION
IMPROVEMENTS
DESIGN-BUILD AGREEMENT
RIVERSIDE BIOENERGY FACILITY**

Public Works

City Council
September 10, 2024

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PROJECT BACKGROUND

1. August 2020, City Council Approves Public works Renewable Resource Management Plan
2. Organic waste recycling at RWQCP can support **SB 1383 compliance** and enhance project impact
3. RWQCP infrastructure and **biogas currently underutilized**
4. RWQCP upgrades can **optimize infrastructure** and **generate revenue** from byproducts (biogas & digestate)
5. Biosolids **disposal options and costs are uncertain** and pose long-term risk to the RWQCP
6. Experienced partner would provide financing, infrastructure, and operations, **reducing project risk** to City



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BIOENERGY FACILITY PROJECT PROGRESS

Date	Action	Outcome
December 2023	City Council Approved	Lease and Energy Services Agreement (Riverside Bioenergy Facility)
July 2024	Digester 5 Rehabilitation	In Progress



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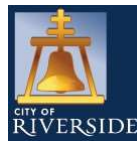
PROJECT VISION

Biogas Opportunity:

Upgrade RWQCP biogas to Renewable Natural Gas for SoCal Gas pipeline injection and sale

Digester No. 5 Rehabilitation:

Return digester to service to enable digestion of food waste, leveraging \$2M in awarded CalRecycle grant funds



Riverside Bioenergy Facility

Digestate Management:

Process and manage biosolids from anaerobic digestion for sale

Position the City of Riverside:

Capitalize on future regional need & demand for organic waste disposal options, leveraging \$10M in awarded CalRecycle grant funds

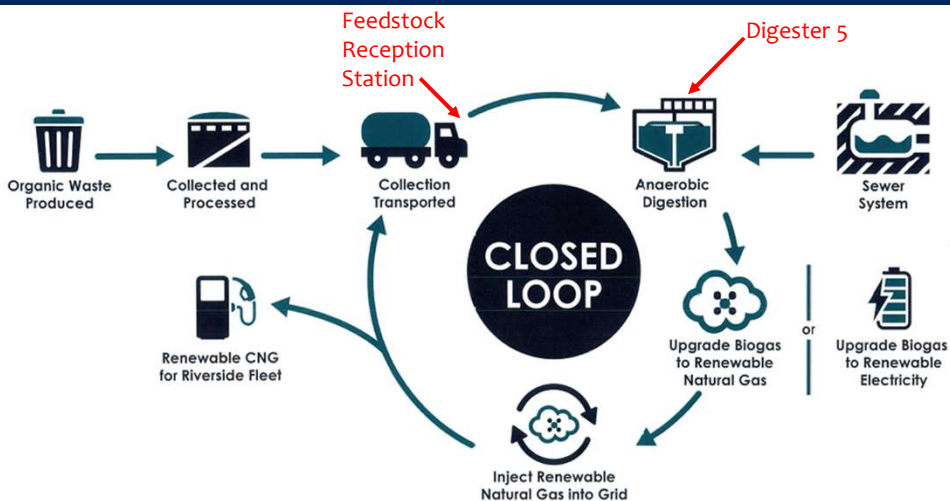


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SUSTAINABLE AND SELF-RELIANT RIVERSIDE



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PROPOSED SITE PLAN



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FEEDSTOCK RECEPTION STATION PROJECT

- Securing SCAQMD permits.
- New Electrical Equipment and Instrumentation.
- New piping, storage facilities, and treatment facilities at the receiving station.
- Organic Polishing System (OPS) – Anaergia's propriety equipment to remove residual contaminants and produce organic slurry.



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PROJECT COST AND GRANTS

- Design-Build Contract, Construction Engineering, Inspection, Survey, and Material Testing: \$10,000,000.
- CalRecycle Grant: \$10,000,000
- Cost to the Sewer Fund: \$0



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STRATEGIC PLAN ALIGNMENT

Strategic Priority 4 – Environmental Stewardship

Goal 4.6: Implement the requisite measures to achieve citywide carbon neutrality no later than 2040.

Strategic Priority 5 – High Performing Government

Goal 5.2: Utilize technology, data and process improvement strategies to increase efficiencies, guide decision making and ensure services are accessible and distributed equitably throughout all geographic areas of the City.

Strategic Priority 6 – Infrastructure, Mobility, and Connectivity

Goal 6.3 Identify and pursue new and unique funding opportunities to develop, operate, maintain, and renew infrastructure and programs that meet the community's needs.



Community Trust



Fiscal Responsibility



Sustainability & Resiliency



Equity



Innovation



RECOMMENDATIONS

That the City Council:

1. Authorize the acceptance of a grant award in the amount of \$10,000,000, under the Cycle 7 2021-22 Organics Grant Program as administered by the Department of Resources Recycling and Recovery (CalRecycle) for the improvements of the feedstock reception stations at the Regional Water Quality Control Plant (RWQCP);
2. With at least five affirmative votes, authorize the Chief Financial Officer, or designee, to record an increase in revenue and appropriate expenditures in the amount of \$10,000,000 in the Feedstock Reception Station Improvements Project account;



RECOMMENDATIONS

3. Award a Design-Build Agreement for the improvements of the feedstock reception stations to Anaergia Services, LLC a Delaware limited liability company, DBA Riverside Bioenergy Facility, LLC, a Delaware LLC in the amount of \$9,825,000; and
4. Authorize the City Manager, or designee, to execute the Design-Build Agreement with Riverside Bioenergy Facility, LLC, including making minor and non-substantive changes, subject to the availability of budgeted funds.



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