

UPDATE ON RWQCP BIOGAS & DIGESTATE MANAGEMENT UPGRADING FACILITIES

Public Works Department

Mobility and Infrastructure Committee

April 13, 2023

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1

PROJECT BACKGROUND

1. August 18, 2020 - City Council approved Public works Renewable Resource Management Plan.
2. RWQCP infrastructure and biogas currently underutilized
3. RWQCP upgrades can optimize infrastructure and generate revenue from byproducts (biogas & digestate)



2

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2

PROJECT BACKGROUND

4. Organic waste recycling at RWQCP can support SB1383 compliance and enhance project impact
5. Experienced P3 entity provides financing, infrastructure, and operations, which reduces project risk to City



3

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3

PROJECT SCOPE

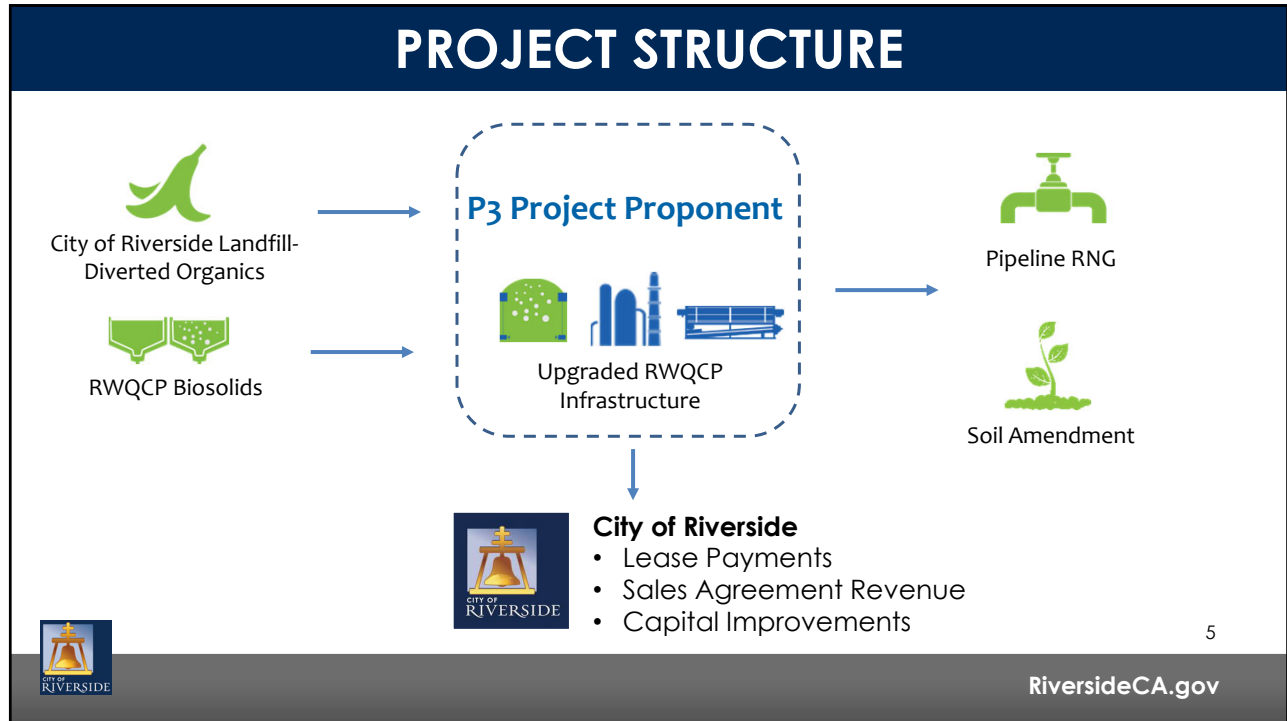
1. Biogas: Upgrade RWQCP biogas to RNG for SoCal Gas pipeline injection and sale
2. Digestate Management: Process and manage RWQCP biosolids from anaerobic digestion for sale
3. Rehabilitation of Digester No. 5: Return digester to service to enable digestion of food waste, leveraging \$3 million in awarded CalRecycle grant funds



4

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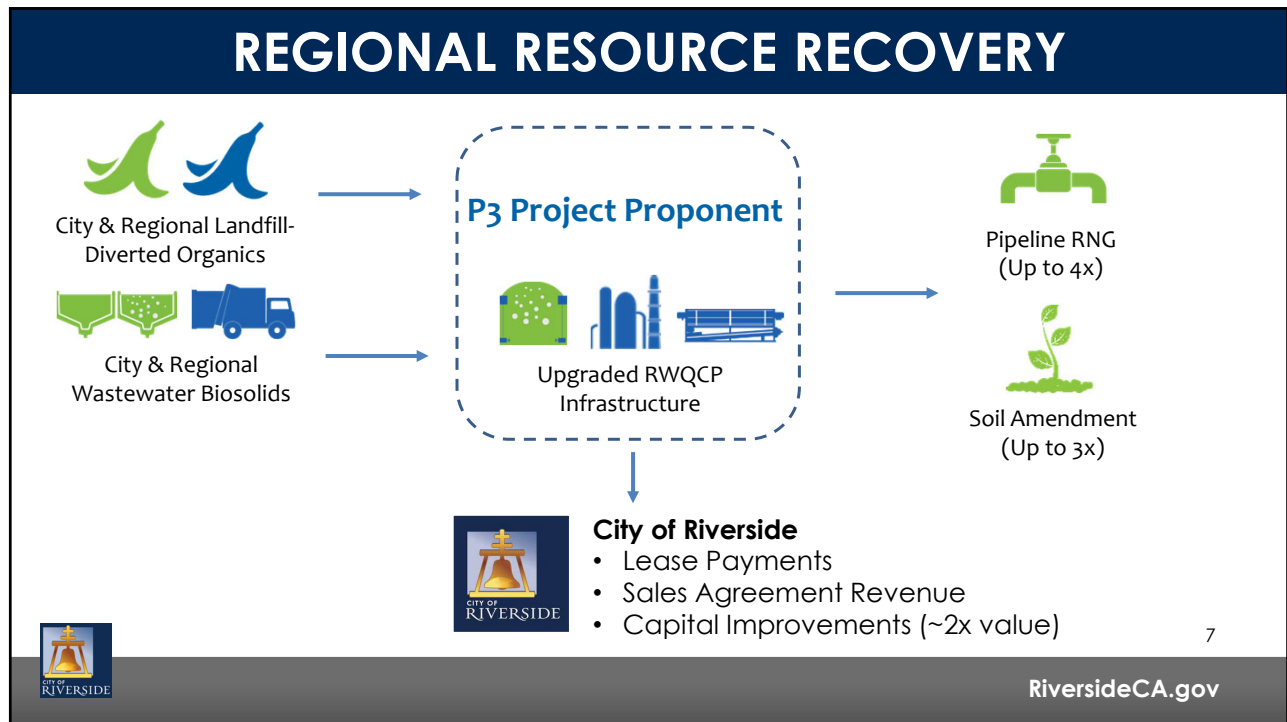
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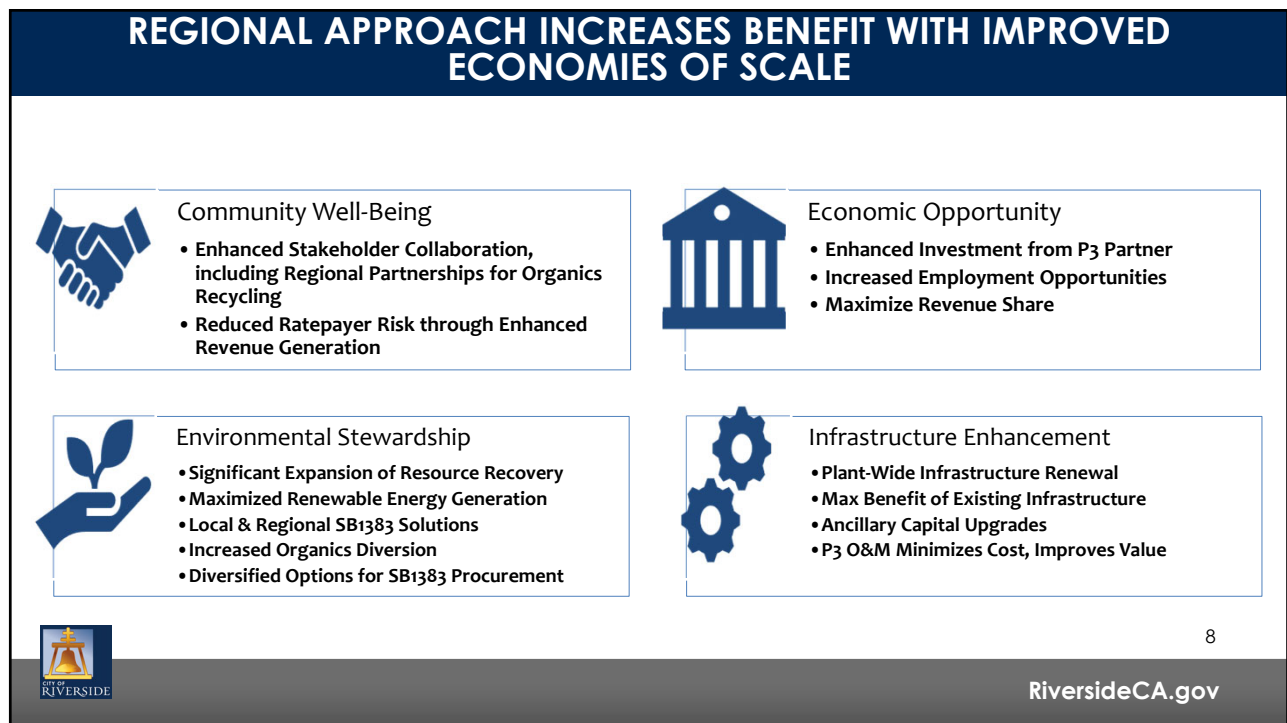
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8

FUNDS ENHANCE ECONOMICS

1. CalRecycle grant programs demonstrate continued State support for organics digestion & biogas projects

- ORG5, 2021: \$2 million for Digester No. 5 rehab
- ORG7, 2023: Up to \$13 million available for project scope, applications due April 20, 2023

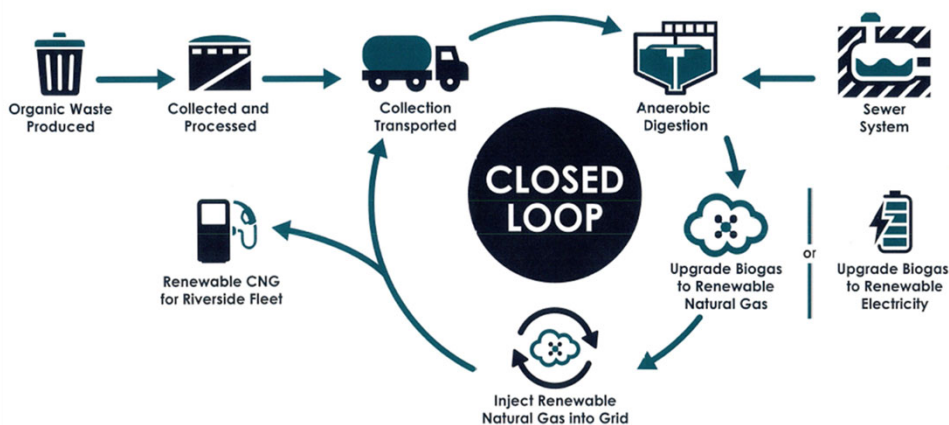


9

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9

SUSTAINABLE AND SELF-RELIANT RIVERSIDE



10

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10

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.

Cross-Cutting Threads



Community Trust



Fiscal Responsibility



Sustainability & Resiliency



Equity



Innovation



11

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11

RECOMMENDATION

That the Mobility and Infrastructure Committee receive an update on the Riverside Regional Water Quality Control Plant Biogas and Digestate Management Upgrade Facilities in support of a Sustainable and Self-reliant Riverside



12

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12