

RENEWABLE NATURAL GAS INTERCONNECTION

Public Works Department

City Council
September 15, 2020

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RENEWABLE NATURAL GAS INTERCONNECTION

Renewable Resource Management Plan

4 RESOURCE AREAS



Recycled Water



Organics



Energy



Waste Recycling



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RENEWABLE NATURAL GAS INTERCONNECTION

RNG is:

1. a pipeline-quality gas;
2. fully interchangeable with conventional natural gas
3. Biogas that has been processed to pipeline purity standards



Adapted from www.wicelancities.org

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RENEWABLE NATURAL GAS INTERCONNECTION

Interconnection Process

- 1) Interconnection Capacity Study **(Complete)**
 - Determine the utility's downstream capacity to take the renewable natural gas away from the interconnection point and the associated utility facility enhancement cost.
- 2) Preliminary Interconnection Engineering Study **(Action Item)**
 - Develops the preliminary cost estimates for land acquisition, site development, right-of-way, metering, gas quality, permitting, regulatory, environmental unusual construction, operating and maintenance costs.
- 3) Detailed Engineering Study **(Action Item)**
 - Description of all costs of construction
 - Development of complete engineering construction drawings
 - Preparation of all construction and environmental permit applications and right-of-way acquisition requirements



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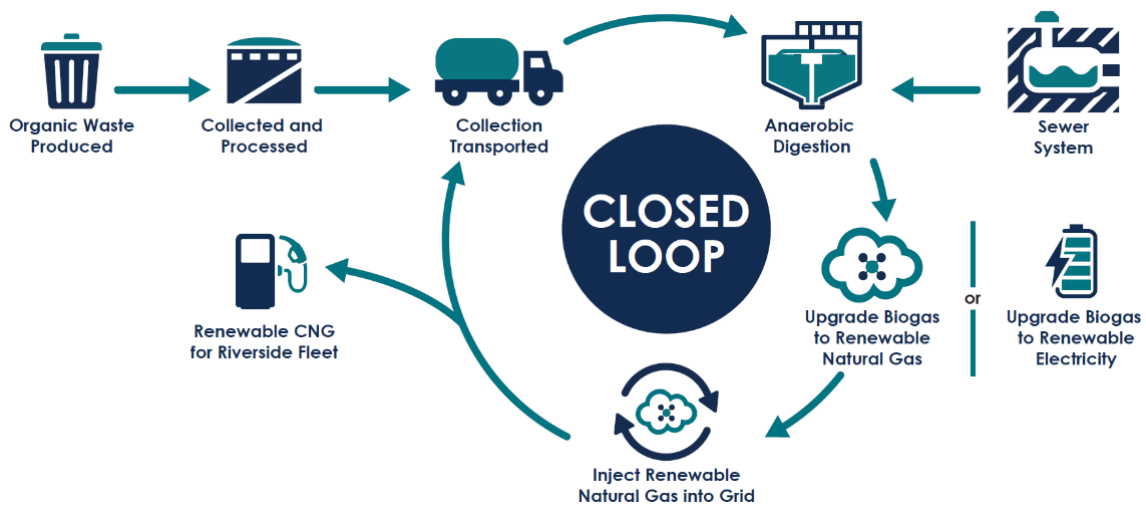
RENEWABLE NATURAL GAS INTERCONNECTION POINT



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FUTURE OF RENEWABLE ENERGY AT RWQCP



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RECOMMENDATION

That the City Council:

1. Approve a Consulting Services Agreement with Southern California Gas Company for Preliminary Engineering Study and Detailed Engineering Study in the amount of \$429,000; and
2. Authorize the City Manager, or his designee, to execute the Consulting Services Agreement with Southern California Gas Company, including making minor and non-substantive changes.



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