

Supporting your Renewable Gas Efforts

Are you making your gas green?

RNG Production Facilities



190
in operation

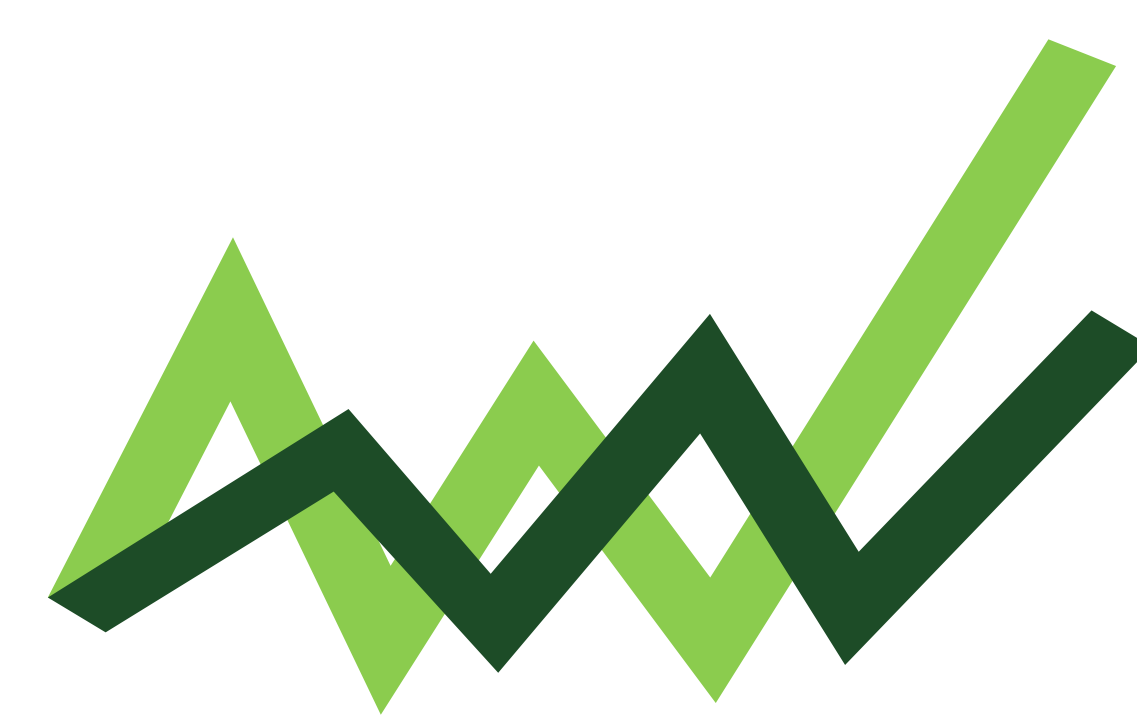


137
under construction



95
in development

Note: In U.S. and Canada, as of 4/1/2020

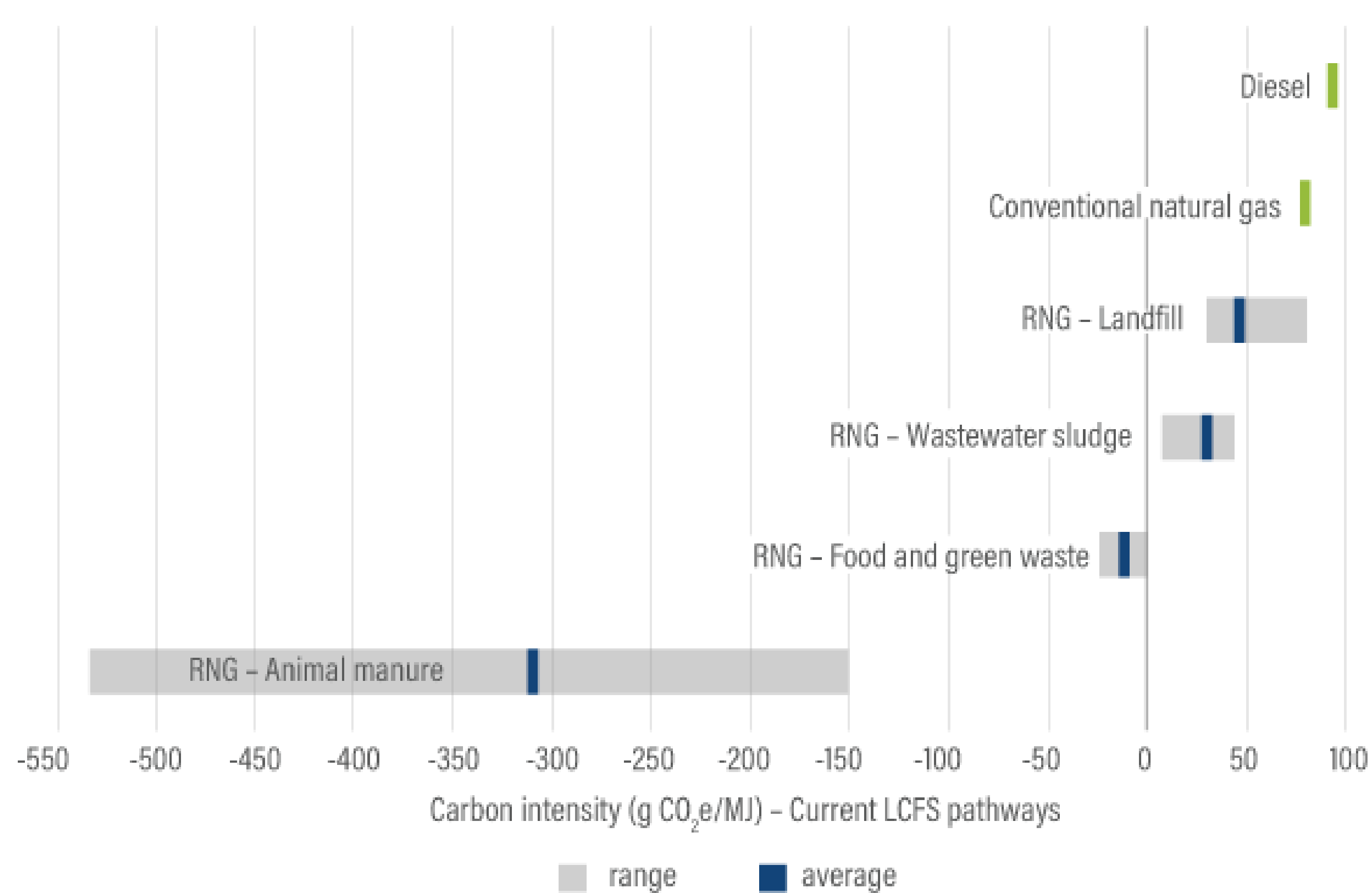


By 2030, RNG production will be 7X 2020 levels.

By 2050, RNG production will be 27X 2020 levels.

Note: A scenario in which countries reach the climate goals of the Paris Agreement

Most Renewable Natural Gas Has a Lower Carbon Intensity Than Fossil Natural Gas



Source: Based on raw data from CARB (2020a), modified by WRI.

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Trends in State Regulations

- California** SB 1352 in 2020 would require the CPUC to establish a biomethane procurement program requiring utilities to procure at least 20% of gas delivered to core customers in California with biomethane by 2030.
- Colorado** Introduced Senate Bill 20-1018 in 2020 to direct the PUC to adopt RNG program for small and large utilities by July 31, 2021. Allows utilities to fully recover costs on RNG programs. Targets of 5% RNG by 2025, 10% in 2030, and 15% in 2035.
- Connecticut** Introduced SB 337 in 2018 to establish a procurement process for RNG and require natural gas utilities to have at least 5% of its gas coming from RNG. Still in Committee.
- Hawaii** Introduced SB 289 in 2021 that would require: 25% by 2025; 40% by 2030; 70% by 2040; and 100% by 2050.
- Oregon** 2019 law supports RNG targets of 15% by 2030, 20% by 2035 and 30% by 2050.

HOW CAN GTS HELP?

Preliminary Evaluation of Developer request for interconnect

1. Interchangability requirements
2. System Capacity and BTU zone study (where, how much)
3. Order of magnitude interconnect cost estimate

Go/No-Go gate decision by Developer

Feasibility Analysis

1. Project Management
2. Siting / Space requirements
3. Signal sharing decision
4. Interconnect design (Issue for Estimate)
5. Cost Estimate
6. Preliminary project schedule

Go/No Go Decision by Developer and Contracts/Agreements

Engineering design (IFC) for gas receipt point

1. Filter
2. Moisture Analyzer
3. Gas Chromatograph(s)
4. Pressure Regulation and meter
5. Telemetry and SCADA alarming
6. Signal sharing with RNG processing operator
7. Remote Control Valve
8. Odorizer
9. Taps for gas analysis bottles
10. Check valve
11. Control valve if blending
12. Associated Skid designs
13. Pipeline interconnect

Procurement & Construction

Data is sourced from The Coalition for Renewable Natural Gas, "Infographics," www.rngcoalition.com/infographic

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