Community Integration *Checklist*

01 | Noise management

☐ Proven sound attenuation & acoustic controls

Best Practice

Ask your data center to install specifically-engineered generator sound enclosures, designed to optimize acoustic performance rather than generic third-party options.

Rehlko Advantage

Rehlko's advanced acoustic engineering can achieve enclosure sound ratings as low as 74 dBA[1] at 7 meters for certain diesel configurations and 65[2] dBA at 10 meters for certain natural gas configurations.

Community Benefit

For general comparison purposes, these sound levels may be comparable to something like the running of a household washing machine[3].

☐ Proven sound attenuation & acoustic controls

Best Practice

Ask your data center to prevent vibration transmission to surrounding structures.

Rehlko Advantage

Utilize Rehlko-built vibration isolation mounts and flexible connections on exhaust, cooling, and fuel systems.

Community Benefit

This reduces low-frequency noise and vibration, which can propagate through buildings and foundations.

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[1]For diesel systems, under specified measurement conditions based on the 74dBa standard on eFRAME enclosures.

[2]For natural gas, under specified measurement conditions based on the 65dBa standard gas engine solutions deployed by Rehlko.

[3]For comparison, household washing machines sold in the European Union are required to disclose airborne acoustical noise emissions during the spin cycle. Many residential models are rated between 72 and 76 dB(A), according to product data reported under Commission Delegated Regulation (EU) 2019/2014 and the European Product Registry for Energy Labelling (EPREL)

02 | Air emissions management

☐ Emissions mitigation & exhaust aftertreatment

Best Practice	Ask your data center to require Rehlko aftertreatment technologies and generators designed to help meet applicable federal, state, and local air quality requirements, depending on project configuration and operating conditions.
Rehlko Advantage	Rehlko can supply exhaust aftertreatment technologies, including NOx-reduction catalysts, oxidation catalysts for certain unburned hydrocarbons and carbon monoxide, particulate filters, and certain distributed carbon-capture solutions.
Community Benefit	Similar to a car's catalytic converter, this helps reduce certain regulated emissions when properly configured and operated.

03 | Primary sources of local power

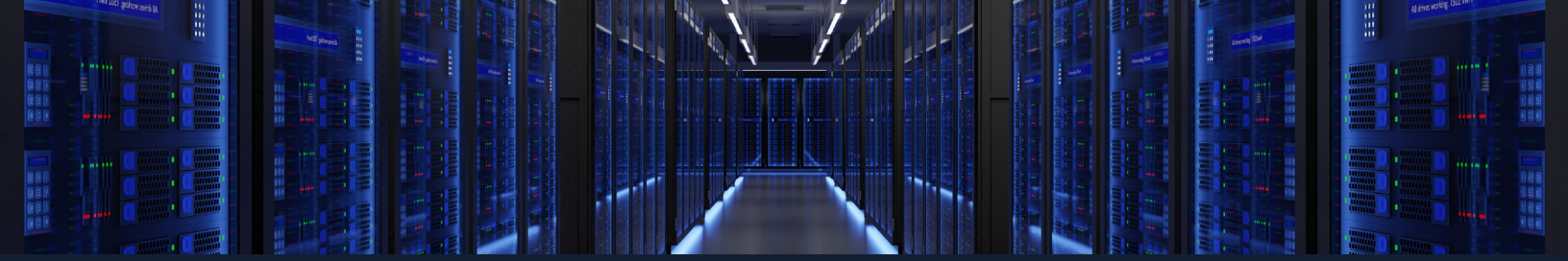
☐ Power microgrids

Best Practice	Ask your data center to provide additional sources of local power and Battery Energy Storage Systems (BESS) which can support local energy resilience and reduce dependence on the grid during certain operating conditions.
Rehlko Advantage	Rehlko's off-grid energy generation and storage systems allow data centers to generate power on-site, reducing or eliminating reliance on the grid during periods of peak demand.
Community Benefit	By easing strain on the broader grid, these systems may help mitigate peak-demand impacts on local electricity networks, depending on system design and utilization.

☐ Protecting community grid networks

Best Practice	Ask your data center to support local electricity networks during periods of peak demand, rather than adding to the strain.
Rehlko Advantage	Rehlko has deployed more than 2 GW of prime power and storage capacity dedicated to supporting community grid networks, approximately the annual electricity needs of more than 1.6 million households.*
Community Benefit	Helps communities maintain reliable access to electricity by reducing grid strain and providing additional energy support when local power systems are under stress.

*Based on 2022 data by the U.S. Energy Information Administration.



03 | Primary sources of local power

Leverage natural gas engines to cut on water use

Best Practice

Ask your data center to leverage our low-water-use natural gas engines and energy solutions over natural gas turbines.

Rehlko Advantage

Our natural gas engines can require substantially less water than certain natural gas turbine configurations that rely on steam cycles and evaporative cooling systems. For example, our engines use closed loop cooling systems while many conventional power generation technologies that rely on steam cycles and evaporative cooling can consume hundreds of liters of water per MWh generated depending on system design, cooling technology, and operating conditions.*

Community Benefit

Reliable power does not have to come at the expense of local water resources. Compared to certain natural gas turbines, Rehlko's gas engine solutions can use significantly less water.

*Water-use observations are based on internal engineering calculations and product design specifications for radiator-cooled, closed-loop engine systems. A typical 3 MW engine contains approximately 1,000 liters of coolant comprising a 50:50 glycol-water mixture (approximately 500 liters of water). Comparative turbine water-consumption estimates are derived from publicly available industry data for combined-cycle facilities employing evaporative cooling. Actual water use varies by technology, cooling configuration, operating profile, climate, and site conditions. No third-party verification has been conducted.

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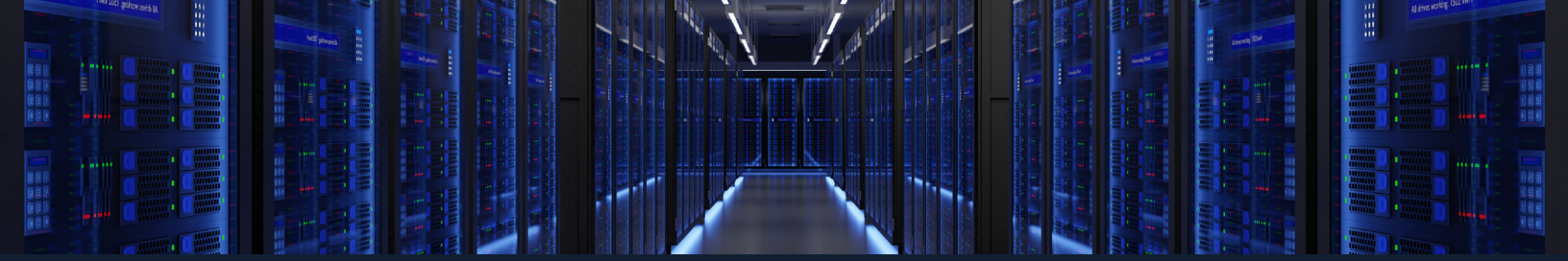


04 | Alternative fuels & avoiding energy strain

HVO readiness

Best Practice

Ask your data center to specify Rehlko backup generator systems capable of operating on low-carbon alternative fuels, such as Hydrotreated Vegetable Oil (HVO).

Rehlko Advantage

All of our industrial diesel products (including the KD Series™) are 100% HVO-ready out of the box, requiring zero engine updates or hardware modifications.

Community Benefit

Based on lifecycle analyses of qualifying HVO fuels, greenhouse gas emissions may be reduced by up to **90%** versus conventional diesel, depending on feedstock and operating conditions.

Combined Cooling, Heat and Power (CCHP) systems

Best Practice

If your project includes natural gas engines, ask your data center to make better use of the heat energy already being produced.

Rehlko Advantage

Rehlko's Combined Cooling, Heat and Power (CCHP) systems can capture and reuse energy that would otherwise go to waste. Think of it like opening the oven door after baking on a cold day. The heat was already generated to cook your meal, you're reusing it to warm the kitchen, which means your home furnace doesn't have to work as hard.

Community Benefit

CCHP systems improve efficiency, reduce lifecycle greenhouse gas emissions, and lower overall fuel consumption under specified operating conditions

Further alternative solutions

Best Practice

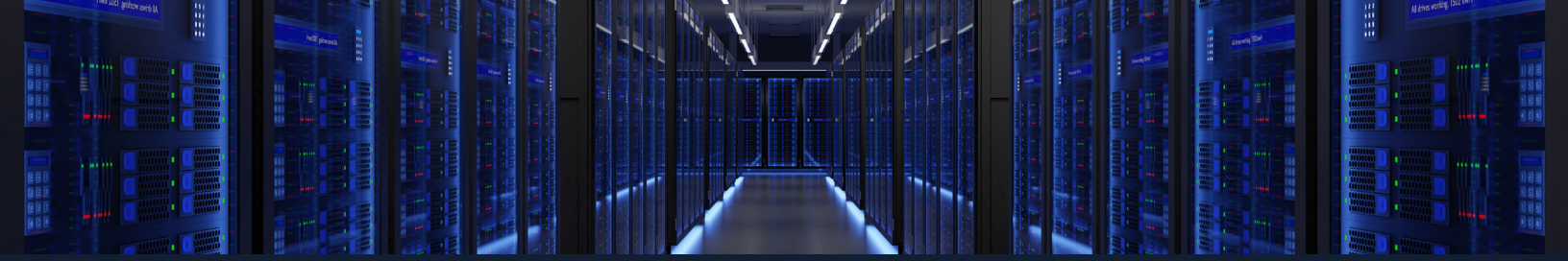
Ask your data center to support the development of lower-emission power technologies.

Rehlko Advantage

We helped develop a 1MW hydrogen fuel cell – capable of supporting a data center's needs. Similarly, solar PV and battery storage systems (BESS) and hydrogen blending can also support data center energy needs while driving sustainability.

Community Benefit

These solutions may help reduce certain lifecycle environmental impacts, depending on deployment and operating conditions.



05 | Generator testing & operations

Cleaner testing with HVO fuels

Best Practice

Ask your data center to require alternative fuel options during routine testing.

Rehlko Advantage

Our **Conscious Care™** maintenance and HVO fuel may reduce lifecycle greenhouse gas emissions by up to 98%[4] under specified assumptions and when qualifying fuels are used, like the way a well-tuned car burns more efficiently than a neglected one, running on more sustainable fuel on top of that.

Community Benefit

This supports a pathway toward lower-carbon energy solutions over time.

Defined testing limits & maintenance protocols

Best Practice

Ask your data center to restrict routine exercise testing to daytime hours, while also minimizing test frequency and duration.

Rehlko Advantage

Through the Rehlko **Conscious Care™** program, certain customers may reduce scheduled maintenance runtime to as low as approximately 70 minutes annually, depending on program requirements and system configuration, which may reduce exercise-related testing emissions by up to 71%, based on specified operating assumptions. **See methodology here.**

Community Benefit

Significantly lowers routine engine exhaust and acoustic impact during testing cycles, while maintaining full emergency readiness and pre-notifying community members.

06 | Transparency & Sustainability

[4]Emission reduction estimates are based on internal calculations using modeled fuel consumption and CO_2 emission factors. The 98% reduction reflects the combined effect of extended exercise protocols and HVO, a renewable diesel alternative with significantly lower lifecycle CO_2 emissions. No third-party verification has been conducted.

Environmental Transparency & Verified Reporting

Best Practice

Ask your data center to mandate objective, documented reporting on generator operation, runtime tracking, and verified lifecycle carbon metrics.

Rehlko Advantage

Delivers product-level, third-party verified Environmental Product Declarations (EPDs) via the Power Impact Intelligence platform, providing a transparent “nutrition label” for equipment emissions.

Community Benefit

Empowers local officials and residents with independently checkable environmental data rather than generic corporate claims or assumptions.

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Performance, emissions, acoustic, water-use, and lifecycle greenhouse gas reduction figures are based on specified equipment configurations, testing protocols, operating conditions, and assumptions. Actual results will vary depending on site conditions, application, fuel characteristics, maintenance practices, and regulatory requirements.