

SYSTEM FIGURES — CURRENT REFERENCE

What Has Been Measured, What Has Been Modeled

The complete figure set for the Gravity energy recovery system, stated by basis of evidence

Prepared By	Supersedes	Date	Version
Gravity Driven Industries	All prior public figure statements	September 15, 2026	v1.1

Every figure below is labeled by how it was established. Measured values come from physical hardware. Modeled values come from engineering simulation on real platform data. Where no measurement exists, that is stated plainly rather than omitted. This sheet is the current reference; where an earlier document differs, this one governs.

Measured — Physical Hardware

Figure	Conditions	What It Establishes
415 W peak	Operating vehicle under actual driving conditions, instrumented closed-course testing.	The full conversion chain — suspension motion to hydraulic flow to turbine to electricity — functions on a moving vehicle. Validates the architecture, not the commercial output.

The road test establishes that the conversion chain survives and performs on a vehicle in motion. It is real. It is not the commercial figure.

Modeled — Engineering Simulation

Figure	Basis	Use
32 kW gross	Mean gross hydraulic capture on a Class 8 platform. Pratt Miller Engineering multi-body dynamics model, built on Peterbilt 589 road profile data.	Technical and engineering contexts. Never presented as output.
10 kW net	Continuous net electrical output after hydraulic and electrical conversion losses. Same model.	The commercial figure. Used in investor, fleet, and government contexts.

20,000 kWh

Figure	Basis	Use
	Per vehicle, per year. 10 kW net across a 2,000-hour annual duty cycle — a conservative long-haul baseline, not a high-utilization case.	Annual energy per vehicle. Scales directly with operating hours.

Gross and net are distinct quantities and are never combined or used interchangeably.

Not Yet Measured

Item	Status
Class 8 physical output	No full-scale test has been conducted. The 10 kW net figure is modeled, and the gap between the measured prototype and the modeled commercial output has not been closed by hardware. Closing it is the purpose of the funded demonstration program.
Output on other platforms	Output scales with vehicle mass, suspension travel, and duty cycle — heavier platforms and rougher duty yield more. Platform-specific figures are established by platform-specific testing, not by extrapolation.

Position and Scale

Item	Current
Patents	Five issued U.S. patents; protection across 19 countries.
Engineering partner	Pratt Miller Engineering, a Tier-1 integrator with program history across GM, the U.S. Army, and DARPA.
Manufacturer support	Peterbilt Motors, a PACCAR company. Letter of support signed by its Senior Principal Engineer.
Class 8 fleet base	Approximately 3 million Class 8 tractors in U.S. service. This is the denominator used throughout.
Federal award history	None to date.

HOW TO USE THESE FIGURES

State the basis alongside the number, every time. A modeled figure presented as validated is the fastest way to lose a technical audience, and the distinction costs nothing to make. Where the honest answer is that something has not been measured, say so before being asked — volunteering the gap is what makes the rest of the figures credible.

Gravity Driven Industries public edition. Figures stated by basis of evidence: measured on physical hardware, modeled in engineering simulation, or identified as not yet measured. Consistent with GDI System Figures — Current Reference v1.1, September 15, 2026.

v1.1 — public edition: internal-distribution marking removed; bench-top figure removed; counterparty personnel names removed. Supersedes v1.0 for all public use.