

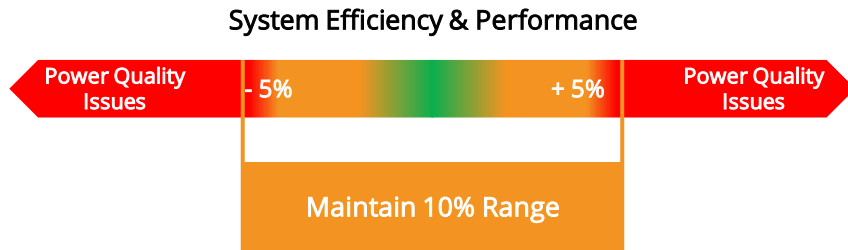


Legend Power Systems Overview For GPAEE

What is Active Power Management

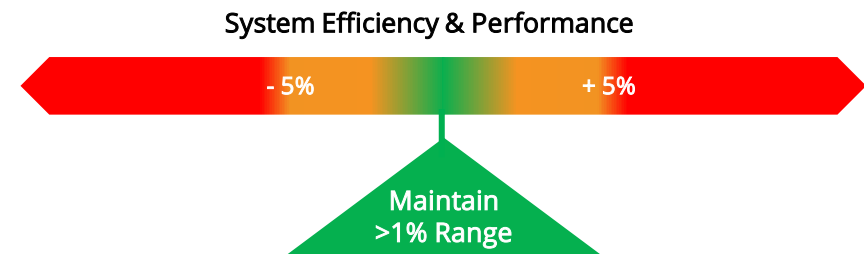
Power Quality Paradigm

Established Acceptable Grid Standards



Optimal Power Paradigm

Established Acceptable Grid Standards



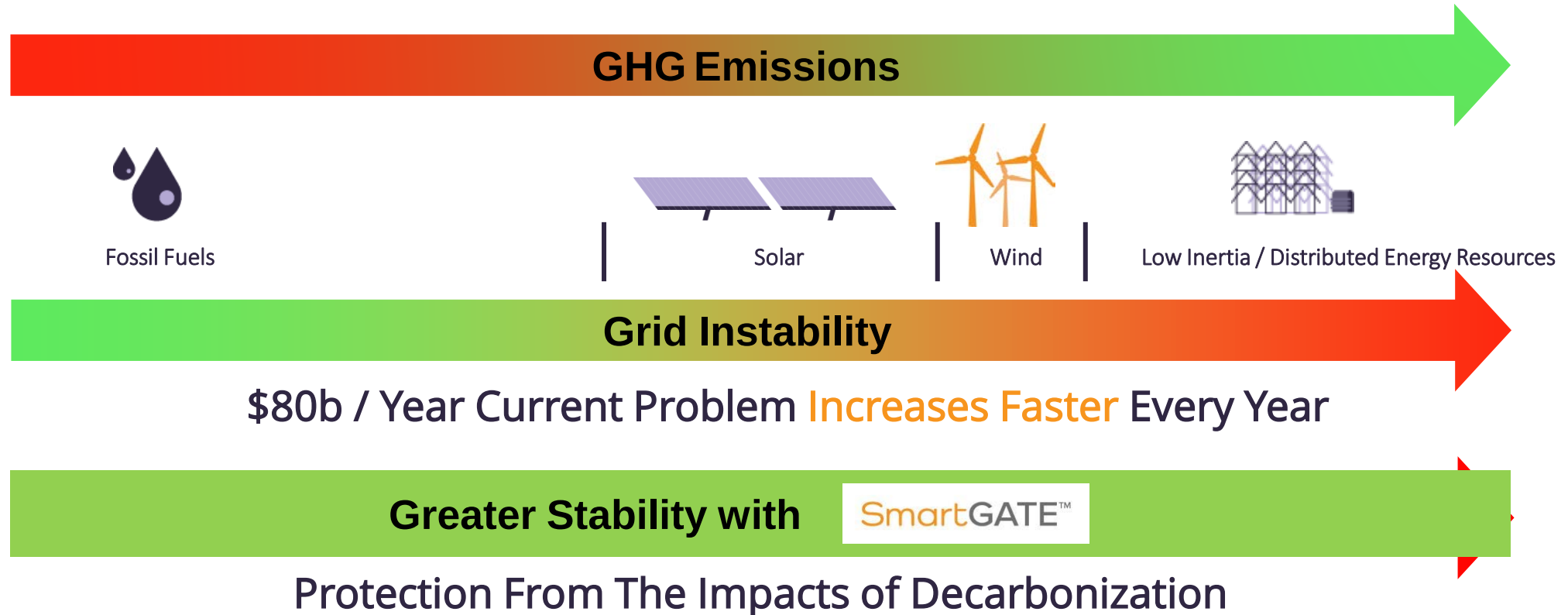
Dozens of Power Attributes Actively Managed in Real Time
ACTIVE POWER MANAGEMENT for OPTIMAL POWER

Optimal
Efficiency Reliability Lifetime

SmartGATE™

Decarbonization / Electrification

\$60-\$90 TRILLION BEING SPENT NEXT 2-3 DECADES*



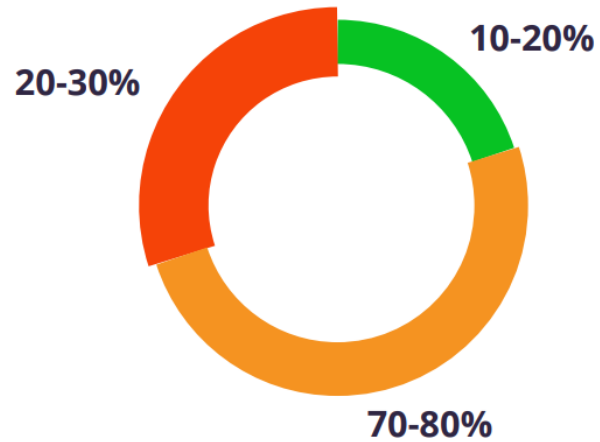
*Mark Carney, Head of ESG and Impact Investing – Brookfield Investments - [Why Brookfield is betting billions on the race to cut carbon](#)

Business Impact of Power – Converting Tech Talk to Business Language

	Efficiency	Lifetime	Reliability
Good	Minimal Energy Waste Minimal Operating Impact	Minimal decreased life expectancy	Less than 24 Variation Events / Year
Caution	Energy Waste of 2.0 %- 4.0%	Decreased life expectancy of 10-20%	Between 25 - 50 Variation Events / Year
Critical	Energy Waste of 4.0% or more	Decreased life expectancy greater than 20%	More Than 50 Variation Events / Year
Additional power data considerations may cause minor variations per category on a case-by-case basis			
Systems Impacted Elevators Air Filtration HVAC Life/Safety Systems Occupancy Sensors Lights Computer Controllers Pumps			

SYSTEMS IMPACTED

Elevators
Air Filtration
HVAC
Life/Safety Systems
Occupancy Sensors
Lights
Computer Controllers Pumps



Over 80%
of Buildings Electrical
Supply Fall Into the
**MONITOR RANGE OR
CRITICAL RANGE**

How We Help - The Legend Power® Solution

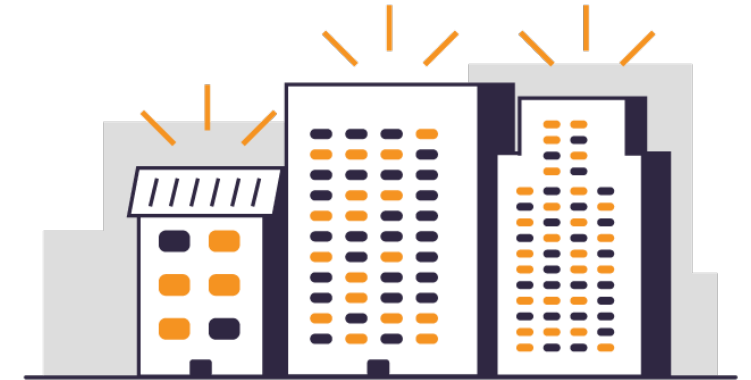


SmartGATE Insights™

- Visibility to building / financial impact
- Information to make better building decisions
- IOT electricity data for ESG leadership



Database



SmartGATE™ Delivers:

- Intelligent Active Power Management
- Increased energy efficiency
- Increased uptime & lifetime of equipment
- Lower GHG emissions
- Lower operating and maintenance Costs
- Enhanced profitability and valuations

Sr SmartGATE™ hts™

Optimal Power. Optimal Performance.

SmartGATE Insights approach

3 Step Process



We start with collecting specific building power conditions and analyze the impact on the business.



We take specific building data and leverage our research and decades of experience in building power to show specific areas that impacted systems in 3 categories

Reliability, Lifetime, and Efficiency.



We actively optimize power challenges continuously to improve business performance and provide data to manage business optimally.

Thank You



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Appendix



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SmartGATE™ Technical Overview

For the technical team, the SmartGATE active energy management system installs after the meter in line with your switchgear. Using our patented technology, we extract a percentage of the load, convert and analyze it, rebuild the waveform, and then inject it back into your system. This provides full voltage regulation ($\pm 8\%$) to your exact specification, on each phase individually to address the main power attributes that impact system reliability, lifetime, and efficiency. All focused on reducing energy consumption while creating optimal power for optimal performance with a footprint designed for today's buildings.

The SmartGATE analyzes and corrects the power coming into the building in real time. The patented topology of the system allows for efficiency greater than 99.5% across the operating range.

The core of the system is comprised of 2 transformers, an active bridge, and a control system. The control system analyzes the individual voltage waveform and computes the ideal correction. The first transformer extracts up to 10% of the system power while the active bridge constructs the required waveform correction as determined by the control system. The second transformer is used to inject the corrected waveform back into the building connection. SmartGATE is the only complete power quality management solution sized and priced for commercial building applications with a focus on reducing energy consumption.

Available Features:

Full voltage regulation $\pm 8\%$, Phase Balancing, Voltage Buck up to $- 8\%$, Voltage Boost up to $+8\%$, Sag mitigation, Swell mitigation, Surge Suppression and Power Factor Correction

Current State

Total Buildings Assessed- 10



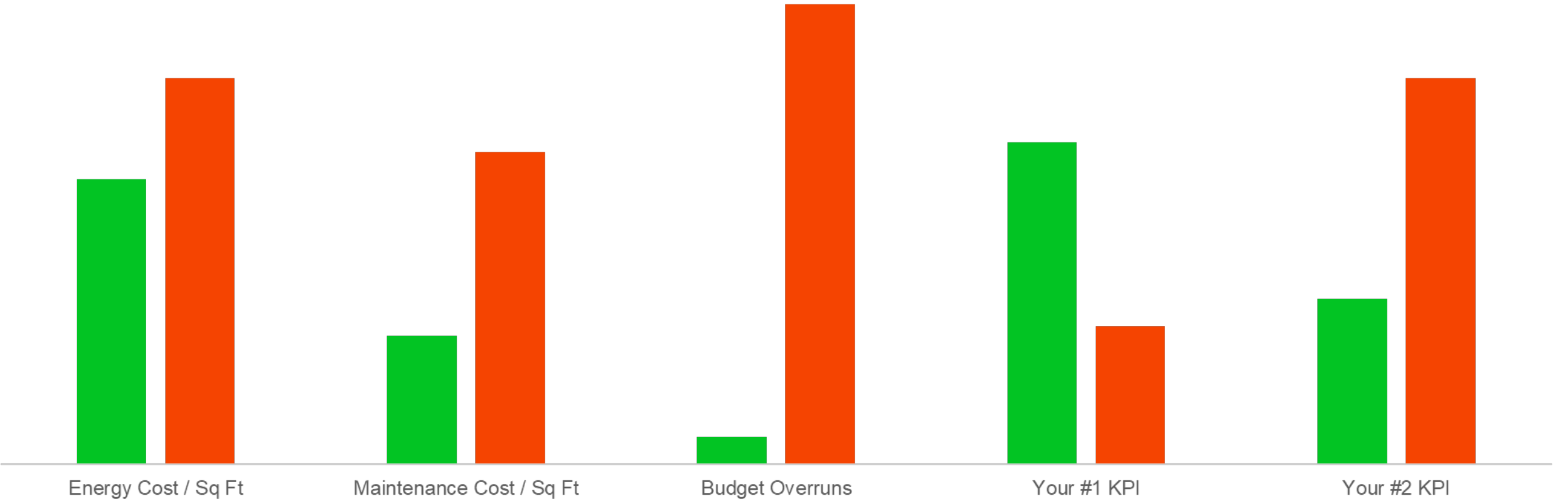
Future State

Critical Buildings - 0



Bldg	Overall PQ Index	Energy Savings / Increased Efficiency	Increased Life Expectancy	Annual High Impact Events
123 Main St	5.3 → 8.2	5.2% - \$10,400/ yr	14-23%	39 → 19
511 Birch	3 → 9.1	2.9% - \$9,700/ yr	24-40%	154 → 28
721 Valley	2.6 → 8.7	6.4% - \$9,875/ yr	24-40%	110 → 24
1740 Maple	3.8 → 9.2	4.4% - \$11,625/ yr	24-40%	46 → 19
4823 Spruce	3 → 8.9	3.7% - \$8,800/ yr	14-23%	55 → 17

Impact on Your Key Metrics – *sample KPI'S*



Legend Customer Results to Date

300+ **SmartGATE™** Installations

Facility Types			40+ Products Configurable to 100's of Solutions		Savings Results			Other KPI's		
52% Office / Classroom	44 % Residential	6% Other	All In - \$42,000 Low End	All in - \$245,000 High End*	Energy Savings 2.3% to 8.7%	Energy Savings Portfolio Avg 4.2%	Maintenance Savings 2% to 18%	74% have multiple purchases	100% Utility Incentive	100% Reduce Risk and Waste