



LumenSmart™

ENERGY MONITORING

"Driven By Energy Efficiency"

Presented To:

Lumen Global

Presented By

[Client Name]



Note: All Numbers are Estimates



The Problem Organizations are Facing

1. U.S. electricity costs have surged over 40% since 2019 and are projected to continue outpacing inflation through 2027, fueled by data center demand, aging grid infrastructure, and rising natural gas prices.
2. With rates climbing at roughly 5% per year, facility managers still have no real-time visibility into which assets are consuming power, when, or how much - every blind spot is now a direct hit to operating margins.
3. Energy bills arrive monthly but at today's accelerating rates, every wasted kilowatt-hour costs more than it did last year. By the time the invoice lands, the overspend is locked in and compounding.
4. Equipment running outside operating hours, oversized systems cycling unnecessarily, and idle assets drawing phantom load go completely undetected hidden costs that scale in lockstep with every rate increase utilities pass through.
5. Without data there is no baseline. Without a baseline there is no business case for capital investment, no way to quantify ROI, and no ability to prove savings to leadership or the board.
6. **The result: in a market where electricity costs are rising faster than revenue, most organizations are overpaying by 15–35% every month without knowing it - eroding EBITDA and business valuation. Lumen will change that.**



How LumenSmart™ Works

1. **LumenSmart™ current meters (sensors) deploy directly onto your equipment panels in hours, non-invasive, zero disruption to operations. Within days, you move from zero visibility into electricity consumption to real-time insight across assets.**
2. Each current meter captures granular kWh data per asset, HVAC units, compressors, chillers, motors, fans, pumps, and production equipment - giving you the consumption baseline that makes every cost-reduction decision defensible.
3. Data is collected continuously and measured against operational expectations. Uptime patterns, peak demand events, after-hours runtime, and zero-consumption anomalies are all flagged automatically turning raw consumption data into actionable intelligence.
4. Full-spectrum monitoring across 120V through 480V systems means nothing goes unmeasured, from office HVAC to heavy industrial motors, every kilowatt-hour of electricity consumption is accounted for.
5. Lumen's energy analysts interpret the data and deliver clear, prioritized findings: what is running, what shouldn't be, where peak demand charges are building, and exactly where the highest-value savings opportunities lie.
6. Monitoring launches with minimal upfront investment and a modest monthly cost engineered to be significantly outweighed by the energy savings identified. No capital expenditure, no operational disruption, and no burden on your team.



What Monitoring has Revealed

1. **Energy efficiency must be industrialized - not optional, not occasional**

- With electricity costs rising faster than revenue, energy management can no longer be reactive or treated as an annual audit. It must become a disciplined, data-driven operational practice - embedded into how facilities run every day. That is exactly what LumenSmart™ monitoring delivers.

2. **Always-on equipment - the most common and costly finding**

- HVAC and make-up air units running 24/7 with no scheduling controls. At rates climbing year over year, every unnecessary hour of runtime compounds into significant annual waste per asset - cost that flows straight off the bottom line.

3. **Phantom load and idle assets - invisible spend at scale**

- Equipment drawing power when it should be completely off: compressors on standby, motors cycling at no load, legacy systems never decommissioned. In a rising-cost environment, what was once a minor line item now represents material, recurring waste across every facility.

4. **Demand spikes and peak draw events - the most expensive kilowatt-hours you buy**

- High-draw equipment and industrial motors triggering peak demand charges that can represent a disproportionate share of your electricity bill. Identifying and shifting these assets to off-peak windows delivers immediate, measurable cost reduction.

5. **Operational anomalies - early warnings that protect equipment and budget**

- Mid-quarter consumption shifts, unexplained zero-draw periods, and load imbalances that signal process changes, equipment degradation, or maintenance issues - caught early, before they become costly failures or safety risks.



Energy Efficiency is a Financial Strategy

1. Monitoring is the foundation - you cannot reduce what you cannot see. In a market where electricity costs have surged over 40% since 2019, LumenSmart™ replaces guesswork with granular, real-time consumption data that drives confident action.
2. Every finding translates directly to a funded action, scheduling controls, setpoint optimization, load-sharing programs, demand charge management, LED retrofits, HVAC upgrades, and more. No finding sits in a report; every action becomes a measurable improvement.
3. **Lumen funds and implements all efficiency measures, no client up front capital required, no risk.**
4. Every dollar saved on electricity flows directly to EBITDA, improving operating margins, strengthening cash flow, and increasing business valuation. Energy efficiency is not a facilities project; it is a financial strategy.
5. Across monitored facilities, Lumen consistently identifies savings of 10–20% of total energy spend within the first 90 days, verified, measurable reductions that compound as rates continue to climb.
6. **The question is not whether your facilities are overspending on electricity - they are. The question is how quickly you act. Select 2–3 facilities, start a monitoring pilot, and let the data make the case. Lumen is ready when you are.**



Summary - Lumen Global's Promise

Data, Accuracy & Transparency

1. Every recommendation Lumen makes is grounded in real, measured data collected directly from your equipment.
2. We deliver full transparency into how savings are calculated, what equipment is targeted, and what the expected outcomes will be.
3. No estimates, no assumptions. Accurate, verifiable data drives every action we take on your behalf.

Trusted Energy Partner

1. Lumen provides upfront capital for all efficiency improvements but only when the data confirms a clear, measurable benefit to the customer over the longer term.
2. Our focus remains singular: reducing your energy consumption and in turn your greenhouse gas emissions.
3. We act as an extension of your team, aligned to your operational and sustainability goals - not as a vendor selling products.

Financial Promise

1. By combining accurate monitoring, funded improvements, and ongoing energy management, Lumen controls what is within our power on behalf of the customer.
2. The result is simple: measurable cost reductions that flow directly to your bottom line, improving operating margins and increasing business valuation.
3. **No upfront cost. No risk. Only savings you can see and verify.**

Select 2 - 3 facilities to begin a monitoring pilot and schedule a brief onboarding call to get started.



THANK YOU

Let's have a conversation. Book a 30-minute call with a Lumen Global energy specialist today.

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