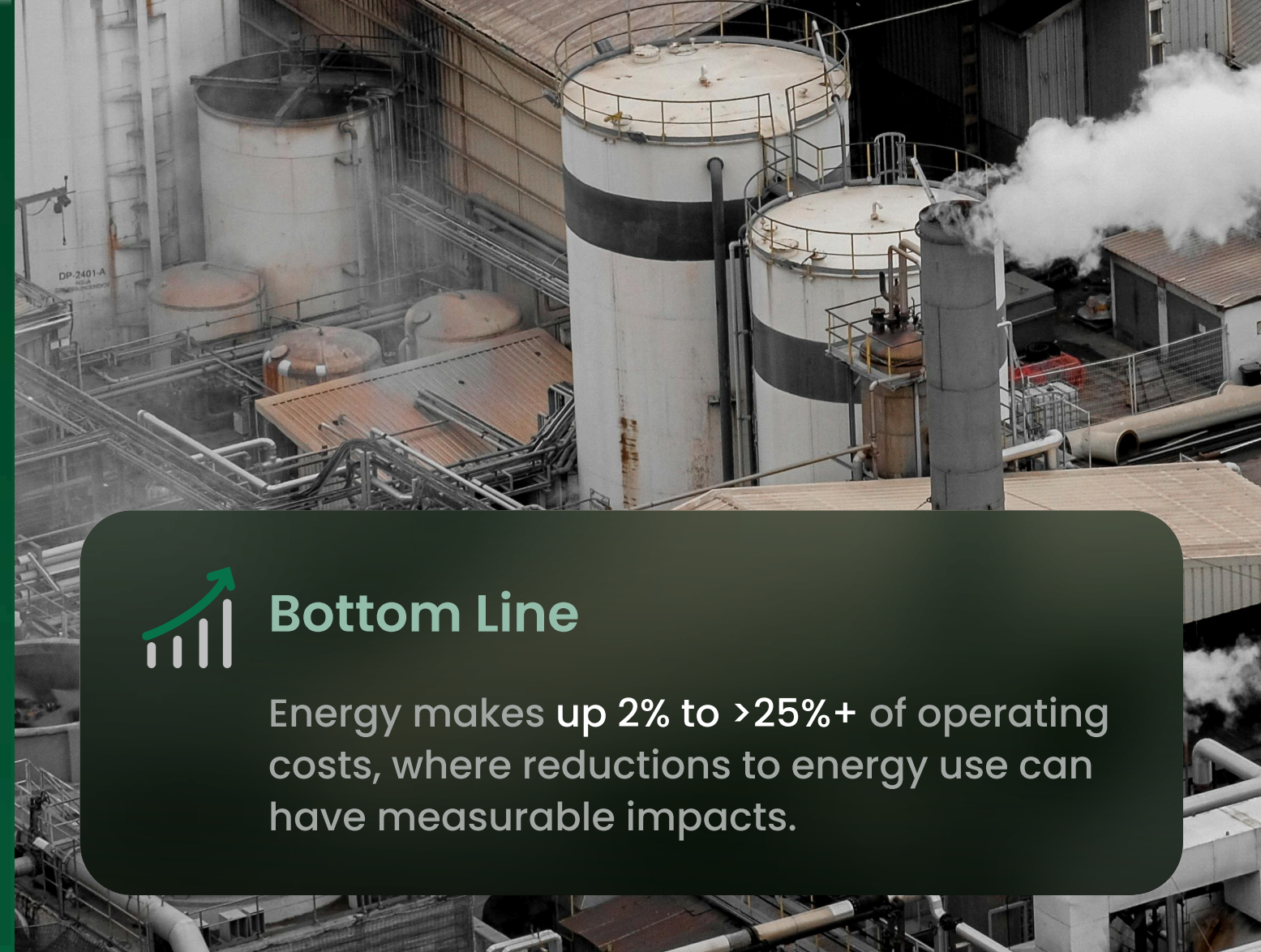


Energy Efficiency as a driver for Industrial Productivity in Canada

How energy efficiency acts as a **growth project**—creating stronger operations, higher productivity, and greater firm competitiveness for industrial firms.

[FULL REPORT LINK HERE](#)



Bottom Line

Energy makes up 2% to >25%+ of operating costs, where reductions to energy use can have measurable impacts.

KEY STUDY HIGHLIGHTS

930+

FIRMS PARTICIPATING

Across mining, oil & gas, chemicals, pulp & paper, and all other manufacturing.

4–6%

DIRECT IMPACT TO PROFIT MARGINS

For firms that reduce 25% of their energy use.

1%

IMPROVEMENT IN LABOUR PRODUCTIVITY

For every 5% in energy efficiency gained.

10–35%

INCREASE IN ENERGY PRODUCTIVITY

For resource-extraction, energy-intensive industries; 3–10% in final goods manufacturing.

\$315k

ENERGY COST SAVINGS PER FIRM

In behavioural changes, operational controls, equipment replacements, and capital upgrades.

ENERGY EFFICIENCY AS A PRODUCTIVITY AND GROWTH STRATEGY

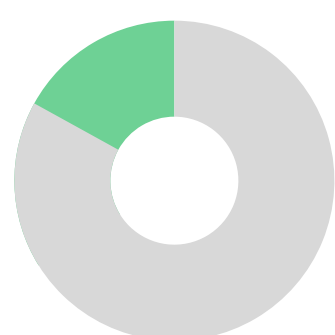
Energy is a *controllable* input to your production that goes beyond energy cost savings.

\$1 Less in Energy Spend

\$0.5–\$2 Non-Energy Benefits (NEBs)

↑ quality | process control | throughput | asset-life
↓ downtime | maintenance | production losses | waste

A BIG OPPORTUNITY REMAINS FOR FIRMS



2–23%
Firms Participate across the jurisdictions

25% → 33.3%
Energy reduction has a non-linear impact on energy productivity gains.

More output or value – add from the same or fewer inputs.

Industrial Productivity = $\frac{\text{Production Outputs}}{\text{Inputs}}$

Labour | Capital | Energy | Materials

- ✓ Energy productivity rises
- ✓ Labour productivity can improve
- ✓ Multifactor productivity may improve

Higher reliability & uptime

Freed capital for reinvestment

Resilience to energy price volatility

FOR EVERY \$4 IN CAPITAL, UP TO \$3 MAY BE AVAILABLE IN INDUSTRIAL ENERGY EFFICIENCY FUNDING

THREE TOP PRIORITIES FOR INDUSTRIAL FIRMS

Reduce waste in daily operations

Up to 41% of total energy savings (capital + operational) can come from behavioural and operational savings – achieved through participating in SEM programs.



Invest in capital upgrades

Target incentive-backed capital upgrades (up to \$15M in funds available per project) – efficiency equipment, waste heat recovery, electrification, and digital systems.



Track non-energy benefits, not just utility savings

Capture NEBs to quantify true value, further strengthen business cases and support better investment decisions.

