SimpleActions
Cut utility waste. Increase property profit.

CUSTOMER OUTCOME | CASE STUDY

CASE STUDY 04 · UPSTREAM OIL & GAS — MULTI-OPERATOR

At the wellhead, pumping motors went from PF 0.36 to 0.99+ — penalty exposure gone.

Across six pumping motors at two independent Bakken operators, EnePro lifted power factor from as low as **0.33 baseline into the 0.97–0.998 range** — with per-leg amperage down **32–43%** and harmonic distortion improved 31.5–33.7%.

POWER FACTOR · WORST → BEST

0.36 → 0.99

Baselines as low as 0.33 corrected into the 0.97–0.998 range — eliminating PF penalty exposure.

PEAK AMP REDUCTION

–43%

Per-leg reductions of 32–43% on the 100 hp motors and the 250 hp saltwater disposal pump.

FACILITY	MOTORS	DEVICE	OPERATORS	VERIFICATION
Bakken / Williston Basin	60 hp ×2 · 100 hp ×3 · 250 hp SWD	EnePro · per-motor	2 independent E&Ps	Client engineers + master electrician

KEY MEASUREMENTS — FIELD-VERIFIED RESULTS

POWER FACTOR · WORST → BEST

BEFORE **0.36** → AFTER **0.99**

Baselines as low as 0.33 corrected at the motor. PF LIFT

AMPS & HARMONICS

–43% peak amp per leg

–34% harmonic distortion

THD improved 31.5–33.7% where captured.

What Changed

These are the loads that dominate an upstream operator's electric spend — high-horsepower pumping motors and a saltwater disposal pump. Correcting power factor and harmonics **at the motor** is where the spend pays back fastest, and it removes PF penalty exposure entirely.

HOW IT WAS MEASURED

Pre/post measurements were taken on the same circuits under matched load, witnessed by client engineers and a master electrician across two operator sites. Power factor, amperage per leg and harmonic distortion were logged on each motor.

WELLHEAD IMPACT

0.99+

— corrected power factor across six motors at two operators.

Power factor	0.36 → 0.99
Peak amp per leg	–32–43%
Harmonic distortion	–31.5–33.7%
PF penalty exposure	Eliminated

"Correct it at the motor and the penalty exposure just disappears — these are the loads that run our electric bill."

REPRESENTATIVE OUTCOME · UPSTREAM O&G · NAME REDACTED UNDER NDA