

Incentives and engineering support for oil and gas production, transportation, and refining customers are available through Rocky Mountain Power's wattsmart Business program. A team of oil and gas energy experts will help identify, evaluate and recommend energy projects that meet your organization's criteria for investment.

Eligible projects can include both new construction and retrofit. Please contact us while your project is being conceptualized and prior to ordering equipment.



POTENTIAL ENERGY PROJECTS

Custom

Custom projects typically require large capital expenditures and generally save significant amounts of energy. Incentives for custom projects are designed to buy-down the cost of investments for more efficient equipment, resulting in better long-term cost savings. Customized, investment-grade engineering can be provided by the program at no direct cost to achieve this goal.

Any project that meets program eligibility criteria and has the potential to save energy can be evaluated through the custom delivery channel. Custom measures are incentivized at \$0.15/kWh saved, and are subject to project level caps.*

- Add VFD to existing pump, fan or motor
- Replace oversized equipment
- Shut off excess water infiltration to a formation
- ESP to rod beam conversion
- Retrofit compressor cooler fans with VFDs
- VFD for flow control to get rid of recirculation
- High-efficiency Reed Valve replacement
- VFD on water disposal system
- ESP cable upsizing
- Pipe upsizing
- Add controls for process optimization
- Change/add new product line or process
- Retrofit inefficient compressed air system
- Reduce/remove bottlenecks

Energy management

Energy management projects require little or no capital outlay and fall within the realm of operational and maintenance improvements. This type of project typically has high savings relative to cost and often has a payback of less than one year.

Qualifying projects usually include process improvements and/or system optimization. Energy management measures are incentivized at \$0.02 per annual kWh verified savings for the first year, and are not subject to program caps.

- Lower field injection pressures
- Optimize partially loaded compressors
- Fix air leaks on a compressed air system
- Non-routine line pigging
- Rod beam rebalancing
- Pump impeller trimming
- Re-sheave belt driven pumps/fans
- VFD control optimization
- Optimize system controls

*Custom incentives are paid at \$0.15/kWh in Utah and \$0.15/kWh, plus \$50/kW in Wyoming for first year savings. Program caps apply. For current incentive structures, please visit Rocky Mountain Power at wattsmart.com.

For wattsmart oil and gas, please contact:

Energy Resources Integration, LLC – authorized contractor for Rocky Mountain Power
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UPSTREAM	MIDSTREAM	DOWNSTREAM
Work in this sector focuses on reducing the amount of energy required to lift barrels of fluid or gas to the surface. Incentives are available for downhole as well as surface equipment improvements. Projects from reservoir improvement to gas plant processing may be considered eligible.	Energy reduction in this sector is focused around gas gathering, compression and pipeline improvements. Incentives are available for optimizing compression systems, NGL processing enhancements, and booster stations transporting product to refiners.	This energy intensive sector yields numerous areas of opportunity for reducing electrical costs. Process improvement gains can be made anywhere from raw material handling to the final end use product. Analysis is focused around a wide variety of custom processes specific to refiners.
CUSTOM	CUSTOM	CUSTOM
Amine pump VFD Retrofit consisting of installing a 600 horsepower VFD on an amine solution supply pump. <p> kWh savings, annual 957,330 kW savings, monthly 112 Electric cost savings, annual \$ 61,708 Project cost \$ 208,326 Incentive \$ 143,600 Payback after incentive 1 year </p>	Compressor cooler fan VFDs Retrofit consisting of installing VFDs on compressor fans that control the discharge temperature of natural gas for transportation. <p> kWh savings, annual 2,082,385 kW savings, monthly 243 Electric cost savings, annual \$ 116,234 Project cost \$ 749,575 Incentive \$ 324,507 Payback after incentive 3.7 years </p>	Crude tower pump replacement Retrofit consisting of replacing existing, fixed speed crude oil transportation pumps with new VFD controlled pumps. <p> kWh savings, annual 626,915 kW savings, monthly 73 Electric cost savings, annual \$ 40,349 Project cost \$ 222,668 Incentive \$ 94,037 Payback after incentive 3.2 years </p>
CUSTOM	CUSTOM	CUSTOM
Reed Valve replacement Retrofit consisting of replacing compressor suction and discharge plate valves with high-efficiency valves <p> kWh savings, annual 974,680 kW savings, monthly 114 Electric cost savings, annual \$ 61,407 Project cost \$ 317,860 Incentive \$ 146,202 Payback after incentive 2.8 years </p>	Water injection pipeline upsize Retrofit consisting of upgrading from 8" diameter line size to 12" for water injection. This results in reduced compressor power draw. <p> kWh savings, annual 8,091,000 kW savings, monthly 943 Electric cost savings, annual \$ 451,374 Project cost \$3,529,649 Incentive \$1,260,800 Payback after incentive 5 years </p>	Tier 3 product line New construction project adding a more efficient product line to meet Sulphur reduction requirements. <p> kWh savings, annual 507,992 kW savings, monthly 59 Electric cost savings, annual \$ 31,940 Project cost \$ 92,390 Incentive \$ 60,450 Payback after incentive 1 year </p>
TYPICAL/SIMPLIFIED	ENERGY MANAGEMENT	ENERGY MANAGEMENT
Pump Off Controllers Add POC to existing well – \$1,500 each <p> Electric Submersible Pump Replace existing ESP with higher efficiency model. <p> kWh savings, annual 367,818 kW savings, monthly 43 Electric cost savings, annual \$ 22,210 Project cost \$ 71,878 Incentive \$ 49,668 Payback after incentive 1 year </p> </p>	NGL process optimization Optimizing pressure setpoints on NGL transportation process, reducing required recirculation and decreasing pump speed. <p> kWh savings, annual 919,051 kW savings, monthly 108 Electric cost savings, annual \$ 57,991 Project cost \$ 1,200 Incentive \$ 18,381 Payback after incentive Immediate </p>	Compressed air leak reduction Reducing the amount of leaks present in a compressed air system, and implementing maintenance strategies to ensure leaks remain manageable <p> kWh savings, annual 477,624 kW savings, monthly 38 Electric cost savings, annual \$ 31,063 Project cost \$ 2,573 Incentive \$ 9,552 Payback after incentive Immediate </p>

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POWERING YOUR GREATNESS

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