



Sand & Gravel Company Saves 18% on Fuel Costs!

THE CHALLENGE

Rising fuel costs directly affect the bottom line profit and limit the ability to bid on smaller projects because the net profit is eaten up by expenses. That is what was challenging this customer. They were looking for ways to save money on their operational costs but were finding nothing. The travel costs alone to move all of the equipment was high enough, couple that with a 30% or more increase in fuel costs, and the resulting breakeven point suddenly is a lot higher. Profitability becomes the main focus as costs increase, so operators have to be sure they keep their bottom line on the right side of the profit scale.

360 ESI SOLUTION

360 ESI designed and implemented its Intelligent Generator Optimization System (IGOS) for this aggregate customer which resulted in a significant reduction in fuel consumption to the point where smaller jobs were back in contention due to the reduced operational expenses. This allowed the customer to bid on a lot more projects that were not in contention before the IGOS unit was installed, as well as save even more on their current projects with a lower fuel bill day in and day out. The side effect of the IGOS being installed is increased capacity. This customer has had zero issues with capacity, even with a full spread, which is another piece of mind benefit knowing the generator can handle a full load without any problems.

"With the unit on, we are saving roughly 150 gallons of fuel a day and as soon as the unit comes on, we can tell immediately. Very impressed!" -SITE OPERATOR

RESULTS:

FACILITY TYPE:

AGGREGATE PROCESSING

LOCATION:

UPPER MIDWEST US

**BASELINE ENERGY
EXPENSE:**

\$335,172 Annual Fuel Cost

**ANNUAL REDUCTION
IN ENERGY USE:**

18% Fuel Savings

PROJECTED PAYBACK:

11.4 Months

ENVIRONMENTAL IMPACT:

Annual CO₂ Savings = 231 Tons
Equivalent Trees Planted = 1,258

