

PUMPS POWER ENERGY & COST SAVINGS

Pumps can account for 40% of industrial energy usage¹.

Designing pump systems to reduce energy consumption is one step toward greater sustainability.

MANUFACTURERS SEE THE BUSINESS CASE FOR SUSTAINABILITY

According to a 2019 NAM Sustainability Survey Report:

>80% of manufacturers said they have a sustainability policy in place or are developing one. **93.8%** of companies surveyed track energy usage.

Top Drivers of Manufacturer Sustainability Policies



Company's business model preference

51%



Market/ consumer demands

39%



Investor demands

49%



Customer demands

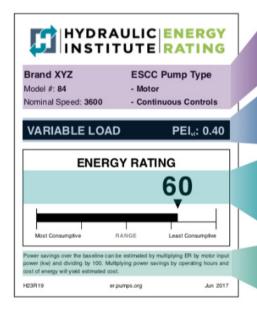
47%



Government regulations



All of the above



1. BASIC INFORMATION

Pump brand, model number, nominal speed, equipment type, motor and controls (if applicable).

2. PUMP ENERGY INDEX

Calculation comparing the pump's efficiency to the minimum standard. Lower values are better.

3. ENERGY SAVINGS

Number indicating the percent of power savings over the baseline set by Department of Energy. The higher the energy rating, the more efficient the pump.

4. ESTIMATED SAVINGS

Illustrates the method for using the ER rating to determine actual savings.

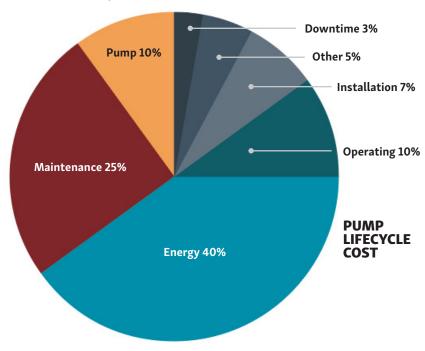
THE LABEL THAT UNLOCKS SAVINGS

The Hydraulic Institute (HI) Energy Rating Program allows users to view and verify data on pumps that indicates the power savings obtained from upgrades and changes.



OTHER METRICS FOR SUCCESS

Don't forget that pump cost, installation and energy savings are only part of the equation. Energy-efficient pumps that vary their speed to meet demand can also save costs by boosting reliability and reducing expenses tied to maintenance, operation and downtime.



IMAGINE THE IMPACT

Selecting pumps within an HI Energy Rating of 50 for all new pumps installed in 2020 could unlock energy savings of:

- 14.2 TWh annually
- 162.9 TWh of electricity over an 11-year pump lifetime

According to the EPA's greenhouse gas equivalency calculator, that greenhouse savings would represent:



A year's worth of electricity for more than 13 million homes



Carbon sequestered by more than 1.9 billion tree seedlings grown for 10 years



The CO2 emissions from more than 12.9 billion gallons of gas consumed