

USING DATA TO IDENTIFY PUMP EFFICIENCY



WHAT IS PUMP EFFICIENCY?

“Pump efficiency” refers to how cost-effectively you can move the most amount of water with the least amount of electricity to the right place, be it a treatment plant or to your citizens.

Water treatment and wastewater treatment plant account for **30 to 40%** of your municipality's electricity usage



Why is pump efficiency important?

Since water treatment and wastewater treatment plants account for **30 to 40%** of your municipality's electricity usage, any inefficiency can greatly affect dollars spent, as well as environmental sustainability.¹

With visibility into pump efficiency, you can better identify capital needs and replacement opportunities. Municipalities who incorporate energy-efficient practices into these areas have seen **15 to 30%** reductions in energy cost.¹

What is “good” pump efficiency?

It's important to know that no pump is 100% efficient, but rather the goal for municipalities is to be as efficient as possible. When we talk about what “good” looks like, it can be different for each organization due to several factors, including budget, competing priorities, buy-in, etc.

A productive way for municipalities to identify what good looks like for them is to **benchmark** their individual pump stations against one another. Through benchmarking, you will begin to uncover where inefficiencies are occurring and the speed at which you might need to address those needs.

ELECTRICITY USED

	VERY HIGH	HIGH	MEDIUM	LOW	VERY LOW	
	Light Red	Yellow	Light Green	Green	Dark Green	VERY HIGH
	Light Red	Light Red	Yellow	Light Green	Green	HIGH
	Red with !	Light Red	Light Red	Yellow	Light Green	MEDIUM
	Red with !	Red with !	Light Red	Light Red	Yellow	LOW
	Red with !	Red with !	Red with !	Light Red	Light Red	VERY LOW
						VOLUME

What is Energy Manager™, and how can it help?

Energy Manager is a platform that empowers your organization to take control of your consumption. With a centralized source of truth for your organizations' utility data, you will create unprecedented clarity to quickly identify and act upon waste before it appears on your next bill.

With Energy Manager, you can better:



Evaluate and track your utilities and flowrate



Validate and identify inefficiencies within your pump stations



Motivate and share opportunities to reduce waste

Reach out to learn more about how Energy Manager can help you better track and manage your pump stations.

Source: 1 - <https://www.epa.gov/sustainable-water-infrastructure/energy-efficiency-water-utilities>