



SWIFt: Data Tool Comparison Matrix

	Tool interface and entering data	# of Months of data needed	Data needed to use the tool	What metrics does the tool calculate?	Internet needed?	Facility size/type requirements	Other features of the tool	Technical assistance available for the tool	Compatibility with other data tracking tool(s)?
Portfolio Manager (PM) - EPA https://portfoliomanager.energystar.gov/pm/signup	Online tool to measure and track energy and water consumption and greenhouse gas emissions. Upload from Excel or enter data manually.	24 months	1) Property information (sq. ft.) 2) Monthly energy data (kWh, therms) 3) Monthly flow data (gallons per day (gpd), million gallons per day (MGD)) 4) Plant annual average of influent and effluent biological oxygen demand (BOD) (mg/l) 5) Plant design flow rate (MGD) 6) Plant features- trickle filter, nutrient removal, onsite generation	<ul style="list-style-type: none"> Energy use intensity per flow (kBtu/MGD) Greenhouse gas emission intensity (kg CO2e/ gpd) Avoided Greenhouse Gas (GHG) emissions 	Yes	All types/sizes, but ENERGY STAR score only for facilities > 0.6 MGD	<ul style="list-style-type: none"> Can be used to manage different property types (e.g., buildings) within the same portfolio Data request templates can be used to request data from multiple facilities Weather-normalized values based on 30-year average temperature Nutrient removal indicated as Y/N in profile factored into ENERGY STAR score 	https://portfoliomanager.energystar.gov/pm/help	Compatible with most common industry tools
Energy Use Assessment Tool - EPA Region 4 https://www.epa.gov/sustainable-water-infrastructure/energy-efficiency-water-utilities	Downloadable Excel-based tool to assess individual baseline energy use and costs through utility bill and equipment analysis.	24 months	1) Date & monthly flow (Discharge Monitoring Report (DMR) data) 2) kWh monthly usage and monthly costs (kW demand optional) 3) Monthly gas usage and bill ccf or therms/ \$	<ul style="list-style-type: none"> kWh/MG Cost/MG kWh/ MG treated 	No	All types/ small-medium sizes (up to 5 electric meters per facility)	<ul style="list-style-type: none"> Accommodates biogas and solar Designed for 5 years; needs tweaking to accommodate longer timeframes 	https://www.epa.gov/sustainable-water-infrastructure/energy-use-assessment-water-and-wastewater-systems	PM and EnPI tool
Energy Performance Indicator (EnPI) - DOE https://www.energy.gov/eere/amo/articles/energy-performance-indicator-tool	Downloadable add-in available for Excel. Upload data from external spreadsheet or enter data manually through step-by-step wizard.	24 months	1) Monthly or weekly energy consumption data 2) Monthly or weekly production data (metric tons, million gallons of flow, BOD, chemical oxygen demand (COD), etc.) 3) Weather data - Heating Degree Days (HDDs), Cooling Degree Days (CDDs), humidity, monthly rain, average temperature, etc.	<ul style="list-style-type: none"> kWh/ lb. BOD removed kWh/ MG treated COD mg/L Avoided GHG emissions 	No	All types/sizes	<ul style="list-style-type: none"> Regression analysis (forecast, backcast, and chaining) for improved accuracy Can be used by both individual facilities and portfolios (corporate roll-up functionality) Tool updated bi-annually (optional download) 	https://www.energy.gov/eere/amo/downloads/enpi-tool-user-manual	Compatible with most common industry tools