

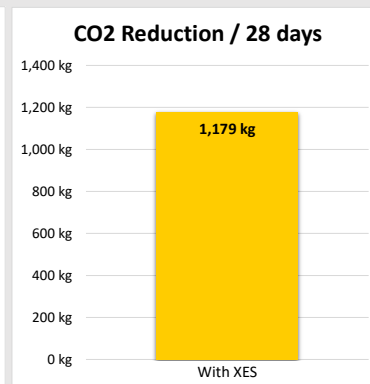
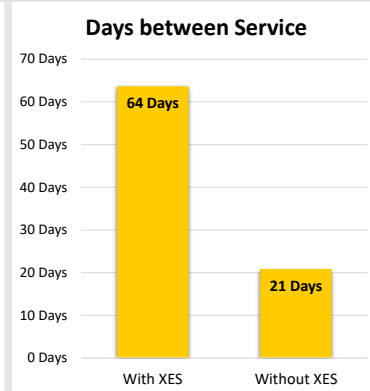
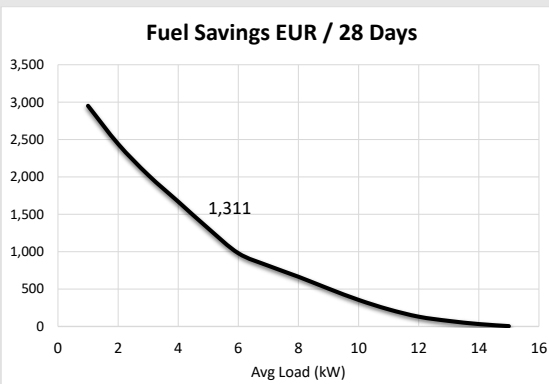
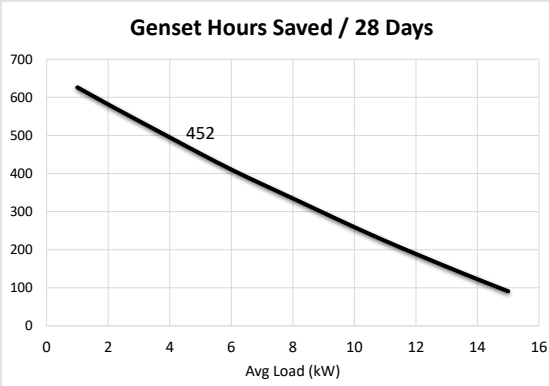
XES Estimator

Inputs	
Select Compact ESS	XES60 (50Hz)
Select Genset	XQP30 EU3a
Input Fuel Price	3.00 EUR / l
Input Average Load	5.0 kW



Disclaimer: The XES Fuel Saving Estimator Tool is provided for estimation purposes with Caterpillar's XES and XQP products only. Actual results may vary based on application and fuel.

The 2024 Mobile Combustion CO2 emissions factors for diesel fuel, described in U.S. EPA GHG Emission Factors Hub, have been used to calculate the related CO2 emissions reduction from the estimated fuel savings.



Power Limits	
Load as a % of Genset Prime Rating	21%
Genset Start Threshold	27 kW
75% of Genset Prime Rating	18 kW
XES Maximum Charge Rate	27 kW
Power Available to Charge XES	13 kW

Estimated Charge / Discharge Time	
Discharge Time	9.7 h
Charge Time	4.7 h
% Reduction in Genset Runtime	67%
Avg Genset On / 24h	7.9 h
Genset Hours saved / 28 days	452 h

Estimated with XES	
Fuel Consumption / 28 days	1,257 l
Cost of Fuel / 28 days	3,771 EUR
CO2 / 28 Days	3,390 kg

Estimated without XES	
Fuel Consumption / 28 days	1,694 l
Cost of fuel / 28 days	5,082 EUR
CO2 / 28 Days	4,569 kg

Estimated Savings	
% Fuel Reduction	26%
Fuel Saved / 28 days	437 l
Cost of fuel saved / 28 days	1,311 EUR
CO2 Savings / 28 days	1,179 kg

Days between Genset Service	
With XES	64 Days
Without XES	21 Days