

Energy Use and GHG Emissions Self-Assessment Protocol:

Abridged Checklist for Facilities that have Achieved ISO 50001 Certification

Facilities that have achieved certification to the ISO 50001- Energy Management System will have already demonstrated that they meet many of the criteria contained in the TSM Energy Use and GHG Emissions Self-Assessment Protocol. For each of the 3 TSM indicators, this abridged checklist identifies those TSM criteria that are additional to the requirements of ISO 50001 for Level A, AA and AAA.

LEVEL A

Criteria	Y	N	Description & Evidence
INDICATOR 1: ENERGY USE AND GREENHOUSE GAS EMISSIONS MANAGEMENT SYSTEMS			
Does the energy use management system include:			
<ul style="list-style-type: none"> ▪ identification and estimation of significant sources of non-energy GHG emissions, if applicable? 			
<ul style="list-style-type: none"> ▪ standard quantification and estimation methodologies used to convert energy and GHG emission data into comparable units, including process emissions data? 			
INDICATOR 2: ENERGY USE AND GREENHOUSE GAS EMISSIONS REPORTING SYSTEMS			
Has a comprehensive energy use and GHG emissions reporting system been established that includes:			
<ul style="list-style-type: none"> ▪ Annual public reporting of energy use and GHG emissions 			
INDICATOR 3: ENERGY USE AND GREENHOUSE GAS EMISSIONS PERFORMANCE TARGETS			
Have the energy and GHG emissions performance targets for the facility and/or business unit been met in the reporting year?			

LEVEL AA

Criteria	Y	N	Description & Evidence
INDICATOR 1: ENERGY USE AND GREENHOUSE GAS EMISSIONS MANAGEMENT SYSTEMS			
<i>No additional criteria for this Indicator; all elements for Levels AA are included in ISO 50001</i>			
INDICATOR 2: ENERGY USE AND GREENHOUSE GAS EMISSIONS REPORTING SYSTEMS			
Is the energy use and GHG emissions reporting system internally verified?			
Annual public reporting of performance against a target			
INDICATOR 3: ENERGY USE AND GREENHOUSE GAS EMISSIONS PERFORMANCE TARGETS			
Has the facility and/or business unit met its energy and GHG emissions performance targets for 3 of the past 4 years?			

LEVEL AAA

Criteria	Y	N	Description & Evidence
INDICATOR 1: ENERGY USE AND GREENHOUSE GAS EMISSIONS MANAGEMENT SYSTEMS			
Is the energy use and GHG management system integrated into a broader sustainable business strategy that includes two of the following <u>or</u> one of the following if the strategy includes procurement and supply chain management policies that incorporate energy efficiency and GHG reduction criteria: <ul style="list-style-type: none"> ▪ voluntary corporate investments in research and development, feasibility studies and/or demonstration of technologies and/or new processes that target energy efficiency and reduced GHG emissions 			
<ul style="list-style-type: none"> ▪ corporate investments into renewable energy projects and/or energy recovery projects 			
<ul style="list-style-type: none"> ▪ participation with communities of interest to improve energy efficiency and reduce GHG emissions (e.g. community events, environmental non- organizations, government energy efficiency programs) 			
INDICATOR 2: ENERGY USE AND GREENHOUSE GAS EMISSIONS REPORTING SYSTEMS			
<ul style="list-style-type: none"> ▪ Are the energy use and scope 1 and 2 GHG emissions reporting systems externally verified? 			
<ul style="list-style-type: none"> ▪ Are some scope 3 GHG emissions included in reporting? 			
INDICATOR 3: ENERGY USE AND GREENHOUSE GAS EMISSIONS PERFORMANCE TARGETS			
Does the energy use and GHG emissions target strategies include at least two of the following: <ul style="list-style-type: none"> ▪ A ROI threshold that has been set to determine criteria for implementing energy efficiency or GHG reduction projects and demonstrate implementation? 			
<ul style="list-style-type: none"> ▪ Continuous improvement targets set to demonstrate reductions based on historical trends? 			
<ul style="list-style-type: none"> ▪ Investments in new technologies and/or new processes that resulted in meaningful reductions? 			