SEU Future Energy Estimate Worksheet

 Date: \_\_\_\_\_\_/\_\_\_\_\_\_/\_\_\_\_\_\_\_\_\_

The ISO 50001 Standard requires estimate of future energy use and consumption for Significant Energy Uses (SEU). *Application Guide: This sheet is for estimating SEU future energy consumption when the effect of factors that can influence future consumption are known or can be approximated. Start with the current SEU energy consumption and modify it based on changes that are projected to occur.*

Significant Energy Use: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Significant Energy Use Location: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

The energy consumption for this Significant Energy Use in the last: € week, € month, € \_\_\_ months, € year, or € other (define) \_\_\_\_\_\_\_\_\_\_\_ has been: \_\_\_\_\_\_\_\_\_\_ \_\_\_

Units: € MMBtu; €MCF; €kWh; €gal.; €tons; €other: \_\_\_\_\_\_\_\_\_\_\_\_

During the period from \_\_\_\_\_\_\_\_\_\_\_to\_\_\_\_\_\_\_\_\_\_, the factors expected to influence energy consumption and the anticipated change are:

**Production levels** will increase/decrease by \_\_\_\_\_\_% changing energy consumption by

 +/-\_\_\_\_\_\_%

**Capital investments** [\*see attached listing] will be completed and change energy

 consumption by +/-\_\_\_\_\_\_%

**Energy source** will change from \_\_\_\_\_current\_\_\_\_\_\_\_ to \_\_\_\_\_future\_\_\_\_\_\_\_\_ changing energy consumption by +/-\_\_\_\_\_\_%

**Energy saving procedures** [\*see attached listing] will be instituted thus reducing

 energy consumption by +/-\_\_\_\_\_\_%

**Other factors to consider**: new technologies, process changes, supplier changes, materials changes, product changes, weather changes, changes in operational criteria, economic forecasts, where the industry is headed, etc. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ changing energy consumption by +/-\_\_\_\_\_\_%

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_changing energy consumption by +/-\_\_\_\_\_\_%

 Sum of energy consumption changes expected: \_\_\_\_\_\_\_%

Expected consumption for next period is expected to be = last period consumption x (1 + % change):

 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Units: € MMBtu; €MCF €kWh; €gal.; €tons; €other: \_\_\_\_\_\_\_\_\_\_\_\_

\*Attach a list of planned capital investments and energy saving procedures that will affect significant energy use future consumption

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