***ECM Template for DOE IDIQ Contract***

Introduction: Completed ECM templates are not intended to be limited to a single page; however, they should be concise. A reasonable goal is two pages per ECM to maintain the PA content at a high level, as illustrated in the example PA located on the FEMP website.

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| **ECM Title:** | **DOE Technical Category:** |
| **Location(s) affected:** | |
| **ECM Description:** For all recommended ECMs, provide a high level narrative (details to be provided in the IGA). | |
| **O&M and R&R (repair and replacement):** Provide a high level description of the proposed responsibilities for operating, maintaining, repairing and replacement of the recommended ECM (details to be provided in the IGA) | |

**First-Year Savings—Ranges**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total energy savings (MMBtu/yr) | Electric energy savings (kWh/yr) | Electric demand savings (kW/yr)\* | Fuel savings\*\*\*  (MMBtu/yr)\*\* | Water savings (gallons/yr) | Other energy savings (MMBtu/yr)\*\* | Total energy and water cost savings, Year 1 ($/yr) | Other energy-related O&M cost savings, Year 1 ($/yr) | a.  Total cost savings, Year 1 ($/yr) |
|  |  |  |  |  |  |  |  |  |

**First Year Costs/Incentives—Ranges**

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| --- | --- | --- | --- | --- | --- | --- |
| **b.** ECM Implementation Cost ($) | Year 1 O&M Costs ($) | Year 1 R&R  ($) | Year 1 M&V Costs ($) | **c.**  Total Cost, Year 1  ($/yr) | **d.** Incentives,  Year 1  ($) | **(b-d)/(a-c)** Simple Payback  (yr) |
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| **M&V Method**: Provide method A,B,C, or D and describe if method differs from M&V guidelines version 4 for suggested M&V for this ECM (details will be required in IGA) |
| **Other:** Provide high level summary of significant issues that will affect this ECM. Consider the following categories at a high level (to be provided in detail in the IGA) a. ECM interface with existing ordering agency equipment , b. Physical changes, c. Utility interruptions, d. Ordering agency support required, e. Potential environment impacts and expected coordination with the site National Environmental Policy Act (NEPA) Compliance Officer |
| **Notes:**  MMBtu=106 Btu.  \*Annual electric demand savings (kW/yr) is the sum of the monthly demand savings.  \*\*If energy is reported in units other than MMBtu, provide a conversion factor to MMBtu (e.g., 0.003413 MMBtu/kWh).  \*\*\*list fuel type(s) saved for project |