**Cut-and-Paste Acquisition Language for Water-Cooled Ice Machines [Product Solicitation]**

**Statement of Work [*Include in solicitation AND contract language*]**

According to [*your organization’s*] goals to optimize energy performance at [*your site*], the Vendor shall ensure that the water-cooled ice machines supplied meet and/or exceed [FEMP-designated](https://www.energy.gov/eere/femp/search-energy-efficient-products) guidelines.

**Technical Specifications [*Include in solicitation AND contract language*]**

The Vendor shall supply water-cooled ice machines that meet or exceed efficiency requirements for the most current FEMP-designated standards. View FEMP-designated standards for water-cooled ice machines (as of June 2021) below or visit <https://www.energy.gov/node/850801> to see the most current standards.

|  |
| --- |
| TABLE 1. EFFICIENCY REQUIREMENTS FOR WATER-COOLED ICE MACHINES |
| **Machine Type** | **Harvest Rate****(lb/24 hours)** | **Maximum Energy Use****(kWh/100 lb of ice)** | **Maximum Potable Water Use****(gallons/100 lb of ice)** |
| Self-Contained Unit | 50-100 | 7.6 | 22 |
| Self-Contained Unit | 101-150 | 6.6 | 22 |
| Self-Contained Unit | 151-200 | 5.8 | 20 |
| Self-Contained Unit | > 200 | 5.2 | 20 |
| Ice Making Head | 50-300 | 5.5 | 20 |
| Ice Making Head | 301-400 | 4.6 | 20 |
| Ice Making Head | 401-500 | 4.1 | 20 |
| Ice Making Head | 501-750 | 4.1 | 20 |
| Ice Making Head | 751-1,435 | 3.5 | 19 |
| Ice Making Head | > 1,435 | 3.3 | 18 |

Products that do not meet the FEMP-designated standards **will not** be considered for the bid.

**Document Requirements [*Include in solicitation AND contract language*]**

The Vendor shall submit manufacturer cut sheets for each model of water-cooled ice machines supplied indicating an energy efficiency rating that meets or exceeds FEMP-designated standards.

**Evaluation Criteria**

[*Option 1*] The Vendor will be evaluated based on the Vendor’s ability to verify that all water-cooled ice machines supplied under this contract meet or exceed FEMP-designated standards.

[*Option 2*] The Vendor will be evaluated based on Best Value as assessed through life cycle cost analysis. Vendors are required to provide the cost for each water-cooled ice machine using the life cycle cost formula below:

LCC = I + Repl − Res + E + W + OMR + X

where:

LCC = Total LCC in present-value dollars of a given alternative

I = Present-value investment costs

Repl = Present-value capital replacement costs

Res = Present-value residual value (resale value, scrap value, salvage value) less disposal costs

E = Present-value energy costs

W = Present-value water costs

OMR = Present-value non-fuel operating, maintenance, and repair costs

X = Present-value other costs (benefits treated as negative costs)

For more information on how to calculate life cycle cost, refer to <https://nvlpubs.nist.gov/nistpubs/hb/2020/NIST.HB.135-2020.pdf>

Reference: SF Tool Green Procurement Compilation - <https://sftool.gov/greenprocurement>