**Computing Resources**

**IMPORTANT:** TheEMSL computing systems available to users are not approved for use with sensitive data. The processing, storage, or transmittal of sensitive data (e.g. Personally Identifiable Information, Official Use Only, etc.) is thus prohibited on Tahoma, Cascade and Aurora. Due diligence must be used to prevent inadvertent disclosure of invention, patent, or other sensitive information. It is your responsibility to protect access to the information.

**By checking this box, I am confirming that participants on this proposal will NOT process, store, or transmit sensitive data (e.g. Personally Identifiable Information, Official Use Only, etc.) on Tahoma, Cascade or Aurora.**

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| --- | --- | --- | --- | --- | --- |
| **Total CPU Hours Request for first year of proposal:** | | | | | |
| **Total GPGPU Hours Request for first year of proposal:** | | | | | |
| **Total Data Archive Request for first year of proposal:** | | | | | |
| **Software Details** | **Node Request (CPUs or GPGPUs)** | **Estimated # of jobs** | **Estimated Node Hours** | **Expertise of your investigators for these requests** | **EMSL Support Requested**  *Specific Needs*  *(e.g., compiling code, libraries needed, help running jobs, etc.)* |
| *Example entry:*  *TETHYS* | *CPU* | *20* | *300,000* | *Expert User* | *Support for porting existing codes into Tahoma* |
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Notes:

Tahoma allocations are awarded in units of wall-clock time expressed in node-hours. Tahoma's 160 CPU nodes each have 36 (3.1 GHz) Intel Xeon processor cores with 384 GB of memory and 2 TB of flash storage. Consequently, 10,000 Tahoma CPU node-hours are equal to 360,000 processor core-hours. Tahoma's 24 GPGPU nodes each have 36 processor cores and 2 Nvidia v100 GPGPUs, 1536 GB of memory, and 7 TB of flash storage. Tahoma's 10 PB global file system is capable of 100 Gigabyte/sec bandwidth. Tahoma can deliver a total of 1,500,000 node-hours per year.

Upon successful review and approval of a proposal, computing resources will be allocated for analysis and archiving of experimental data generated at EMSL.