

Proposal for Assigning Remaining SRCF Space

Yeti is housed in the Shared Research Computing Facility (SRCF). It uses ~50KW power. Space, power and cooling considerations suggest that the SRCF could house a machine ~double that size. It is important to have a policy to govern how the remainder of the SRCF is allocated.

Two types of allocation processes have occurred so far:

1. An open RFP to "buy-in" to a central machine has been announced each year, with responses collected.
2. Promises have been made in faculty startup packages in the form of money for a guaranteed number of nodes in the next buying (or, in some cases, delayed by a year or more).

Both modes are important. In addition, existing faculty may need promises of space/power/support in order to submit grants for hardware.

Unfortunately, the nature of recruitment means that decisions on startup promises often have to be made quickly (Feb-April) and without knowledge of demand for the next buy-in (early Fall). Similarly, support for grants need to be made without knowledge of whether they will be accepted.

Suggested Policy

1) Records

- a. With the help of the staff of CUIT Research Computing Services, the EVPR's office keeps a record of space available for buy-ins, today and looking forward for 3 years.
- b. The record includes: anticipated retirements of old machines; known purchases of new machines; promises (with number of nodes and dates) made during recruitment, or in support of grants.

2) Recruitment and Grants

- a. It is the responsibility of the recruiting department and school to consult with EVPR prior to making any offers.
- b. They must submit a request for resources to EVPR with requested timing and number of nodes.
- c. The EVPR will consult with the EVP for A&S and the Dean of SEAS to allocate resources in response to the requests they receive on the 1st and 15th of each month.
- d. [- No single buy-in can be larger than 25% of the entire machine ??? or of the available capacity????]
- e. It is the responsibility of the department and school to let EVPR know if the recruitment/grant is or is not successful.

3) Fall Buy-Ins

- a. An RFP can be made any year when, after all prior commitments have been satisfied (including commitments for the following years), there is still room in the SRCF.