Planning and Budget Council Summary Sheet

Part I. General Information

Unit, Department or Program: Natural Sciences

Date of request: 11/1/2010

Date required: 11/30/2010

Start date: ASAP

Type of request: Health and safety

Resources requested: Positions

Amount

Program improvement

Equipment

New program

Operating $700

Facilities, R&M

Other

X

Other 1

Other 2

Alignment with Strategic Plan: Action Outcome 5.5

(i.e., Action Outcomes 2.1, 4.3)

Total $700

Part II. Narrative - Description and Rationale (do not exceed space provided)

Why is this request important? (what are the most important reasons for this request)

Twice-a-year maintenance of flaked ice machine is necessary to ensure the equipment is operational throughout the year with minimal emergency calls and repairs. Ice from the machine is used for many of our biological sciences (biology, botany, microbiology, zoology) and physical sciences (chemistry, geology) laboratory classes, and also for independent study courses. The flaked ice is ideal for the storage of micro-sized containers used to hold temperature sensitive DNA and protein samples. Cubed ice cannot properly maintain the temperature of these samples.

Descriptive Summary of the Request (provide a summary of the resource request)

Biannual maintenance:
at 6 months: cleaning, maintenance, and labor = approx. $300

at 1 year: cleaning, maintenance, replacement of water filter, and labor = approx. $400

Total: $700/year

Rationale for Request (how will the request benefit the unit, department, program or institution; alignment with Strategic Plan and other supporting documents, e.g., program review, annual assessments, department report, etc.)

Science laboratory curricula in various disciplines (ex. Biology, Botany, Chemistry, Geology, Microbiology, and Zoology) include laboratory exercises in which the use of ice is required. An in-house ice machine provides the ice necessary for these exercises. The flaked ice machine currently in the department is replacement equipment purchased by WCC last year to replace one that no longer worked. It is necessary to schedule biannual maintenance and cleaning of the machine and an annual water filter replacement to ensure the ice machine is working at its’ optimal to provide the ice needed for these science laboratory classes. Flaked ice is also the only type of ice effective with cooling and maintaining cold temperatures when working with temperature-sensitive materials such as proteins and DNA. Maintenance of the ice machine aligns with WCC’s action outcome 5.5 and is mentioned in the Natural Sciences Department’s 2009-2010 Annual Report.

Part III. Evaluation

Notes

Rating (1-5)