**Draft 2018-2019 TGIF Equipment Rebate Program**

**Rebate Application for Equipment**

**Name:**

**Department:**

**Email & Phone:**

**New Equipment Information: This is a new equipment purchase, info below is for a base model**

**Current Equipment (if application is for new equipment, not replacement, please provide information for the conventional/base model)**

1. Brand: Revco
2. Model: UxF500 RLE ultra-low freezer

<https://www.fishersci.com/shop/products/ult-pkg-rle50086a-5bb/09313819#?keyword=true>

1. Quantity: 1
2. Unit Cost: $8,399
3. Estimated annual water and or energy use
   1. Please show calculations and list assumptions
4. Short description of current usage

19 kWh/day for 24.1 cubic feet (682 liters) of interior storage space (with equivalent foot print in lab to the Stirling Ultracold model below.) This is 0.79 kWh/day/cu.ft storage space

**New Equipment Information**

1. Brand: Stirling Ultracold
2. Model: Model SU780XLE Ultra-Low Temperature Upright Freeze
3. Quantity: 1
4. Unit Cost: $13,814.42
5. Estimated annual water and or energy use: See attached information

6.86 kWh/day for 27.5 cubic feet (780 liters) of interior storage space. This is 0.25 kWh/day/cu. ft storage space. This unit is 3x more efficient than the base model or

This is not even taking into account the HVAC savings, as this unit also puts of ~70% less heat than conventional models.

**Rebate Requirements:**

1. Must be able to show that the equipment selected is efficient and will result in energy or water savings
2. ROI based on energy ($0.105 per kWh) or water costs ($0.007 per gallon) savings must be less than 10 years (ROI can be calculated based on cost premium, not total cost).

***Based on a very conservative estimation (substituting this freezer for the base model and disregarding consideration for interior storage capacity or decreased load on HVAC systems), this freezer would result in a 10 year energy savings equivalent to $4,652:***

***$4,652 = (19 kWh/day - 6.86 kWh/day)\*365 days/year \*10 years \*$0.105 per kWh***

1. If eligible, equipment must be [Energy Star](https://www.energystar.gov/productfinder/) or WaterSmart -
2. If eligible, equipment must be [EPEAT](https://www.epeat.net/) gold certified

**Rebate Amount:**

TGIF will cover up to 100% of the cost premium for new energy or water efficient equipment. The total rebate amount will be determined based on the increase in efficiency (see example below). Total rebate available will not exceed $1000. You must submit a full TGIF grant application for funding requests over $1000.

* 10 - 25% more efficient than existing equipment = Rebate will cover 25% of cost premium
* 25 - 50% more efficient than existing equipment = Rebate will cover 50% of cost premium
* 50 - 75% more efficient than existing equipment = Rebate will cover 75% of cost premium
* 75 - 100% more efficient than existing equipment = Rebate will cover 100% of cost premium

**Terms and Conditions:**

1. Rebate is for new equipment purchased and installed during the 2018/2019 Academic year
2. Equipment must be installed in UCSB owned or operated property
3. Proof of Purchase: Must provide invoice within 90 days of transfer of funds. Invoice(s) must include the quantity, size, type, manufacturer, model, purchase date and vendor of the efficiency equipment.
4. Purchase must be made through the Gateway procurement system
5. Rebate(s) are subject to funding availability
6. TGIF has the authority to prioritize applications for projects with greater efficiency given limited funding availability.

Resources:

[UCSB Lab Equipment Purchasing Guidelines](https://drive.google.com/open?id=0B_OBpNvSvMbgTm9USGJVeG9lX2ROVi1RX3AtdTdxUEVmVG5r)