



## **Equipment Efficiency Fund Guidance**

This fund has been designed to promote and facilitate the procurement of energy efficient equipment within laboratories, particularly Ultra Low Temperature freezers. As funds are limited, the Sustainability team will take into account the following considerations, when choosing which appliances to fund:

- The funding request must be paid back to Estates within 5 years through the energy savings generated from the new appliance.
- Whole-life costing will be conducted to assess each scenario.
- The funding awarded may not exceed the difference in cost between a new inefficient unit and a new efficient unit.
- Unit sizes must be comparable, or validation is provided for the difference.

### **Actions required to apply for funding**

- Fill out the application form for funds and provide any necessary quotes to facilitate a quick approval of funds.
- Send record of removal of previous unit for fund transfer.

### **Actions required after funding has been approved**

- The Sustainability team will raise an IDT (inter-departmental transfer) as the orderer. You will then receive the IDT request as a supplier. Follow [instructions on how to process a UCL IDT](#) as a supplier.
- You must organise disposal of your old equipment. Guidance on Waste Electrical and Electronic Equipment can be found on the [Estates website](#).

### **Example of a situation where funding would be awarded**

- Current unit is 530L Sanyo (Panasonic) ultra-low temperature freezer, and has been metered to draw 12.3 kWh. Replacement sought must be approximately the same size.
- Efficient possibility is Eppendorf CryoCube F570h (570L) estimated to consume 7.6 kWh/day.
- Approximate cost of CryoCube is £6,000
- A comparable large model of manufacturer-X will cost £5,100, but is far less efficient
- Fund offers £800 facilitate purchase which will be returned to Estates in annual energy savings. (12.3 kWh would annually cost £561 in energy to operate, whilst 7.6 kWh equates to £347 annually. The difference is £214 per year, and thus Estates will earn that back in under a '5 year payback period', as it would require 3.7 years to save £800 investment).