Penn Ultra-Low Temperature (ULT) Freezer Efficiency Program

The Ultra-Low Temperature (ULT) Freezer Efficiency Program was established to reduce both the number of old, under-utilized, and abandoned freezers and incentivize the purchase of energy-efficient ULT freezers. This program is funded by the Energy Reduction Fund (ERF) in the Division of Facilities & Real Estate Services and will be piloted for two years or until funds are exhausted. This program only applies to Ultra Low Temperature (ULT) freezers. Ordinary refrigerators and freezers are not eligible for this program.

**Eligibility**

- Only ULT freezers that are or will be installed in University owned and/or operated properties and were purchased and/or appropriately disposed of since January 1, 2015 are eligible for this program. Satellite locations not considered part of the main campus and UPHS' freezer disposal and purchases are not eligible for this program.

**How to Apply**

- Complete the ULT Freezer Application and include appropriate attachments. Email documents to Sarah Fisher, *Sustainability Strategic Planner*, at sefisher@upenn.edu.

**Program Structure**

The ULT Freezer Efficiency Program has three components: Freezer Recycling, Freezer Replacement, and New Freezer Purchase.

**Freezer Recycling**

- Incentive to decommission and recycle an old freezer, as it represents direct and immediate energy savings.
- The program provides $500 towards the cost of decommissioning and appropriate recycling of the freezer. The freezer owner is responsible for the removal and proper disposal of all contents.
- Proof of appropriate freezer recycling is required to receive the incentive - this should include both the receipt and certificate of appropriate disposal. Recyclers used for disposal should be certified recyclers under Responsible Recycling Practices (R2) or e-Stewards® standards.
Freezer Replacement

- Incentive to recycle an old ULT freezer and replace with a more energy efficient model.
- Proof of appropriate freezer recycling is required to receive the incentive - this should include both the receipt and certificate of appropriate disposal. Recyclers used for disposal should be certified recyclers under Responsible Recycling Practices (R2) or e-Stewards® standards.
- The graduated incentives below are based on freezer performance and ERF program requirements. The energy performance figures should be based on the EPA’s EnergyStar ULT Freezer Test Guidelines. The incentive amounts are based on energy efficiency and the ERF program requirement that the School and/or Center fund at least 20% of the efficiency measure*.

<table>
<thead>
<tr>
<th>Freezer Energy Usage</th>
<th>Incentive Amount</th>
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</thead>
<tbody>
<tr>
<td>500Wh/day/cu-ft or less</td>
<td>$3,000</td>
</tr>
<tr>
<td>750 Wh/day/cu-ft or less</td>
<td>$2,000</td>
</tr>
</tbody>
</table>

*freezer performance measures are subject to change

New Freezer Purchase

- Incentive to purchase a more energy efficient ULT freezer.
- The graduated incentives below are based on freezer performance and ERF program requirements. The energy performance figures should be based on the EPA’s EnergyStar ULT Freezer Test Guidelines. The incentive amounts are based on energy efficiency and the ERF program requirement that the School and/or Center fund at least 20% of the efficiency measure*.

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<tbody>
<tr>
<td>500Wh/day/cu-ft or less</td>
<td>$1,500</td>
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