Energy saving by replacement of incandescent bulbs

Company Code: UZ-FG-005
Location: Fergana, Uzbekistan
Sector: Milk processing and packaging

Before
- Two incandescent bulbs (150 W) were installed in the cold storage for lighting
- This led to higher energy consumptions not only by bulbs but also by chillers due to high cooling load because of additional heat generation by these bulbs

After
- Incandescent bulbs were replaced with LED lights (15 W)
- Energy consumption reduced not only due to energy efficient bulbs but also due to reduction in the cooling load
- Switching off bulbs when not in use led to additional energy efficiency

Benefits & Payback
Cost: UZS 80,000
Payback: 0.4 month
Annual Savings: UZS 2,721,600
Energy Saving: 6048 kWh electricity

Contact: Oleg Rijichenko and Turanbek Makhamatdinov, Email: oleg@reap-centralasia.org and turan@reap-centralasia.org

Disclaimer: This document has been produced with the financial assistance of the European Union. The contents of this document are the sole responsibility of CAREC and can under no circumstances be regarded as reflecting the position of the European Union.