

Executive Summary

Youngs & the Carbon Trust in March 2007 agreed to work together as part of the Carbon Trust's Carbon Management Programme. As part of this programme, an evaluation of the change in carbon dioxide emissions (CO_{2e}) due to the export of the de-shelling process from the Youngs Annan factory to a Youngs factory in Thailand was conducted. The evaluation was completed by Enviros Consulting Ltd.

Based on the data provided by Youngs and the CO_{2e} conversion factors researched by Enviros the Carbon Trust agrees that the methodology used by Enviros and the results produced are technically sound.

Enviros Consulting Ltd has undertaken an evaluation of the change in carbon dioxide emissions (CO_{2e}) due to the export of the de-shelling process from the Youngs Annan factory to a Youngs factory in Thailand. The evaluation calculated the CO_{2e} emissions from the de-shelling process whilst undertaken at Annan, and compared it to the calculated CO_{2e} emissions now involved in transporting the product to Thailand, de-shelling the product there and transporting it back again. The evaluation included all sources of CO_{2e} emissions; energy use, transportation, waste and refrigerant leakage.

Based on the data provided by Youngs and CO_{2e} conversion factors researched by Enviros, the evaluation showed that no net increase in CO_{2e} emissions had occurred. However, taking into account the accuracy of the information used for the calculations, under extreme circumstances there could be a net reduction in annual CO_{2e} emissions of up to 292 tonnes (equivalent to 48 households) or an increase in CO_{2e} emissions of up to 229 tonnes (equivalent to 38 households*).*

** - Source: Energy Saving Trust, 6 tonnes CO₂ per household:*

http://ez.est.org.uk/your_impact_on_climate_change/surprising_statistics/home_and_the_environment

