



# IMO Social & FairTrade Programme Version Feb. 08

## Section 2: Social Issues Hired Labour

### 2.3.2 Energy Management and Climate Change

N°	Control Points Energy Management and Climate Change	MAX	Score	
1	<u>Overview of energy consumption</u> : The operation (0) has no (1) has a rough idea of energy & fuel use in terms of costs; (2) is able to roughly quantify the electricity and fuel consumption associated with its production; (3) very good overview and monitoring of energy consumption in different parts of operation	4		
2	<u>Minimizing electricity consumption</u> : (0) no efforts; (2) electricity is not apparently wasted and reasonable efforts to minimize overall consumption (lights and machines are turned off after use, rational use of airconditioning, new machines/facilities are optimized with regard to energy efficiency); (3) high efficiency with regard to electricity use or very low overall consumption; or investment in alternative sources of electricity (solar, wind, water, etc.); (4) exceptional efforts to minimize electricity consumption and to use renewable energy sources	4		
3	<u>Minimizing fuel consumption</u> : (0) no efforts; (2) adequate fuel saving practices (for new machines also fuel consumption considered in purchase decisions; minimizing car/truck/tractor trips around operation, optimized operation schemes in factories, adequate temperature setting if heating/cooling required); (3) investment in energy efficient equipment, high efforts to minimize fuel consumption, increased use of biogas, biodiesel, solar, wind or water power OR: very low overall fuel consumption; (4) exceptional efforts, e.g. low-energy buildings, advanced processing techniques, use of sustainable renewable fuel sources only	4		
4	<u>Renewable energy sources</u> : (0) no awareness of sustainability of energy sourcing; only nonrenewable or exploitive energy sources used (e.g. indiscriminately harvested wood from unmanaged forests); (2) adequate efforts to increase percentage of renewable (own biogas, biodiesel, solar, water, wind, etc.) and / or sustainably harvested energy sources and low carbon energy sources (e.g. natural gas instead of coal); (3) very good efforts and improvements to convert to renewable / low carbon energy sources; (4) exceptional efforts or all energy used is already sourced from renewable energy sources.	4		
5	<u>Additional points for voluntary commitment: Further efforts to mitigate climate change:</u> Assess operation's overall awareness and engagement to minimize impact on climate change in its operation and community with rating from (0) to (4). No norm requirement. E.g.: active support of sustainably produced eco-fuel production and use, targeted training and information on energy management and climate change, active in reduction of greenhouse gases (CO <sub>2</sub> , NO <sub>2</sub> , methane). For farms, relevant aspects are (additional to other energy management efforts): reduction of CO <sub>2</sub> , NO <sub>2</sub> and methane emissions by optimized livestock management, no burning of grassland/bushland, build up of organic soil fertility, appropriate composting methods, appropriate animal manure management (collection, storage, spreading) and efforts to reduce or avoid fertilizers that use nitric acid or ammonium bicarbonate.	4		
<b>TOTAL</b>		<b>MAX</b>	<b>TNP</b>	<b>Score</b>
<b>Maximum Points / Total Norm Points / Effective Points</b>		<b>20</b>	<b>8</b>	