

2016 SOLAR SCORECARD SURVEY – DUE MARCH 1, 2017



General Information

- 1.1 Manufacturer name
- 1.2 Total volume of PV modules manufactured in 2015 (MW_p)
- 1.3 PV module manufacturing capacity as of Jan 1st 2015 (MW_p)
- 1.4 List all countries where PV-related manufacturing occurs

Extended Producer Responsibility & Recycling

- 2.1 Does your company publicly support public policies based on the definition of extended producer responsibility (EPR) in regions where you manufacture and sell PV modules?
 - a) Yes
 - b) No
- 2.2 Does your company currently set aside money to finance the collection and management of end-of-life PV modules in Europe through PV Cycle or an equivalent program?
 - a) Yes
 - b) No
- 2.3 Is your company actively involved in establishing a collection and management of end-of-life PV modules in the USA through SEIA or an equivalent program?
 - a) Yes
 - b) No
- 2.4 Does your website let customers know how to recycle/take back their PV modules in all markets in which they sell? Please provide URL for all markets in the comments.
 - a) Yes
 - b) No
- 2.5 Are waste or scrap PV modules from your factories sent to a recycling facility with a documented environmental management system and worker safeguards and protections consistent with ISO 14001? Please describe in the comments.
 - a. Yes
 - b. No
 - c. No, we do not recycle our PV modules.
- 2.6 Has your company offered "design for recycling," cradle-to-cradle," or similar training to product designers in the past three years?
 - a) Yes
 - b) No

Emissions Reporting & Reduction

- 3.1 Does your company post Information regarding chemical emissions including chemical waste, hazardous waste disposal and/or heavy metals on the company website or sustainability report?
a) Yes
b) No
- 3.2 Does your company post Information regarding criteria air pollutants (SO_x, NO_x, VOCs, particulate matter) on the company website or sustainability report?
a. Yes
b. No
- 3.3 Do you post Information regarding ozone depleting substances on the company website or sustainability report?
a. Yes
b. No
- 3.4 Do you post Information regarding landfill waste disposal on the company website or sustainability report?
a. Yes
b. No
- 3.5 What is the monetary value of significant fines & total number of non-monetary sanctions for non-compliance with environmental laws and regulations in 2015?

Worker Rights, Health, and Safety

- 4.1 Does your company have a worker code of conduct that addresses worker rights, health and safety?
a. Yes
b. No
- 4.2 What percentage of your manufacturing employees or workers who manufacture your brand name products are paid more than the minimum wage for the region/country? _____%
- 4.3 What are your workday case rates for the following regions?
Global: ___ Americas: ___ Europe, Middle East, and Africa: ___ Asia Pacific and Japan: ___
- 4.4 What are your recordable incidence rates for the following regions?
Global: ___ Americas: ___ Europe, Middle East, and Africa: ___ Asia Pacific and Japan: ___
- 4.5 What share of manufacturing facilities (based on production output) has Received Occupational Health and Safety Management (OHSAS 18001) Certification?
_____%
- 4.6 Does your company currently use prison labor (e.g. UNICOR) during any aspect of the product lifecycle including end-of-life recycling and disposal?
a. Yes
b. No

Supply Chain

- 5.1 Does your company have enforceable commitment from suppliers to protect workers and the environment?
- 5.2 Percentage of new suppliers since 2015 that were screened using labor and human rights practices criteria. Include compliance with laws on: Minimum wages, Working hours, Compensation for overtime, Health and safety practices, Non discrimination, Freedom of association and collective bargaining, Child labor, or Forced labor.
- 5.3 Percentage of new suppliers since 2015 that were screened using environmental criteria. Specify the environmental criteria in the comments.
- 5.4 Percentage of current suppliers with OHSAS certification or equivalent for 100% of their facilities

Module Toxicity & Recycled Materials

- 6.1 Do your PV modules contain cadmium or lead? If so, what is the maximum concentration found in any homogenous material? Please mark all that apply.
 - a. Yes, cadmium at concentrations greater than 0.01% or 100 ppm.
 - b. Yes, cadmium at concentrations less than 0.01% or 100 ppm.
 - c. Yes, lead at concentrations greater than 0.10% or 1,000 ppm.
 - d. Yes, lead at concentrations less than 0.10% or 1,000 ppm.
 - e. No
- 6.2 Pleased report the recycled content of your company's PV modules
_____%
- 6.3 Are the electric cables used in your company's PV modules halogen-free?

Energy Use & Greenhouse Gas (GHG) Emissions

- 7.1 Do you report the overall direct and indirect energy consumption used to make your PV module by primary energy sources?
 - a. Yes, on our website.
 - b. Yes, to a third party (e.g. Carbon Disclosure project, Global Reporting Initiative).
 - c. No
- 7.2 Do you report the greenhouse gas emissions annually?
 - a. Yes, on our website.
 - b. Yes, to a third party (e.g. Carbon Disclosure project, Global Reporting Initiative).
 - c. No
- 7.3 Does your company post Information regarding perfluorocarbon (SF₆/NF₃, CHF₃, CF₄, C₂F₆) emissions on the company website or sustainability report?
 - a. Yes
 - b. No

Conflict Minerals

- 8.1 Tin is a PV manufacturing input that has been classified as a potential conflict mineral. Can you verify that your supply chain does not contain conflict minerals from the Democratic Republic of the Congo (DRC), Angola, Burundi, Central African Republic, Republic of the Congo, Rwanda, South Sudan, Tanzania, Uganda, Malawi and Zambia as per the due diligence guidance outlined by the OECD?
- a. Yes, we have conducted due diligence to confirm that there are no conflict minerals in our supply chain.
 - b. No, we have done due diligence, but cannot confirm the country of origin of potential conflict minerals.
 - c. No

Water

- 9.1 Do you post the volume of water that is used in production each year on your website?
- a. Yes (please provide URL).
 - b. No
- 9.2 Do you post your annual volume of wastewater discharged on your website?
- a. Yes (please provide URL).
 - b. No
- 9.3 Do you post the following wastewater discharge quality indicators on your website? If yes, please provide the URL:
- a. Chemical oxygen demand Yes No
 - b. Biological oxygen demand Yes No
 - c. Heavy metals Yes No
 - d. Totally suspended solids Yes No