

Recommended Indicators for SIEA Commitment Members

| Title (column from original sheet)     | GRI Performance Indicator  | Units                                 | Definition/Scope                    | Metrics (column from original sheet)   | Companies (column from original sheet)  | Comments   |
|--|--|---------------------------------------|-------------------------------------|--|---|--|
| GHG Inventory                          | EN16 Direct and indirect greenhouse gas emissions  | Tonnes of CO2 equivalent              | See GRI Indicator Protocols in G3.1 | Total carbon footprint for the operation, meaning natural gas, purchased electricity and global warming gases expressed in metric tons of carbon dioxide equivalents (TMC0 <sub>2</sub> e). MTCO <sub>2</sub> e/MW produced, for our production, our corporate travel, according to the WRI/WBCSD principles | Applied Materials, Constellation Energy*, Dow*, Dow Corning, DuPont, First Solar, MEMC/SunEdison, NextEra*, NRG*, Siemens*, Sunpower, Suntech*, Total*, Trina | CDP disclosure is appropriate  |
| Water Consumption                      | EN8 Total water withdrawn by source  | M <sup>3</sup> /yr                    | See GRI Indicator Protocols in G3.1 | Total water consumption, including office and non-office expressed in hundred ft <sup>3</sup> (HCF). - Liter of water withdrawn per watt produced  | Applied Materials, Constellation Energy*, Dow*, DuPont, First Solar, MEMC/SunEdison, NextEra*, NRG*, Siemens*, SunPower, Suntech*, Total*, Trina              |  |
| Electricity Use & Purchases            | EN3 Direct energy consumption by primary source  | Joules or multiple                    | See GRI Indicator Protocols in G3.1 | - Kilowatt hour per Watt produced  | Applied Materials, Dow*, Dow Corning*, DuPont, First Solar, MEMC/SunEdison, NRG*, Siemens*, SunPower, Suntech*, Total*, Trina                                 |  |
|  | EN4 Indirect energy consumption by primary source  | Joules or multiple                    | See GRI Indicator Protocols in G3.1 | - Kilowatt hour per Watt produced  | Applied Materials, Dow*, Dow Corning*, DuPont, First Solar, MEMC/SunEdison, NRG*, Siemens*, SunPower, Suntech*, Total*, Trina                                 |  |
| Recycling                              | None specific to solar   | MW modules material recycled?         |                                     | - Number and Location of modules globally  | Applied Materials, Dow*, DuPont, MEMC/SunEdison, NRG*, Siemens*, SunPower, Suntech*, Total  | Proposed metric around program in place and number of modules recycled or disposed.                  |
|  | EN22 Total weight of waste by type and disposal Method   | Tonnes                                | See GRI Indicator Protocols in G3.1 | - Response time from customer request to pick up of modules  |   | EN22 probably the most broad depending on operation  |
| Operational/Material & Hazardous Waste | EN22 Total weight of waste by type and disposal Method   | Tonnes                                | See GRI Indicator Protocols in G3.1 | - Amount of hazardous waste properly disposed of measured in metric tons.  | Applied Materials, Dow*, Dow Corning, MEMC/SunEdison, NextEra*, NRG*, Siemens*, SunPower, Suntech*, Total*  | General agreement a waste metric needs to be included  |
|  |  |                                       |                                     | - Grams of waste per watt produced   |   |  |
|  |  |                                       |                                     | - Kilogram of waste recycled versus disposed, also as a %  |   |  |
| Work-related Fatalities/Injuries       | LA7 Rates of injury , occupational diseases, lost days, and absenteeism and total number of work-related fatalities by region and by gender    | ODR, LDR, AR, IR (recordable rate US) | See GRI Indicator Protocols in G3.1 | Total number is reportable injuries/100 employees/year. Calculation based on FY and not rolling 12-month rate. - Lost time injury rate – OSHA definition   | Applied Materials, Dow*, Dow Corning, DuPont, NextEra*, NRG*, Siemens*, SunPower, Suntech*, Total*, Trina   | Also need to include contractor rates where available for installers as a best practice              |
| Notice of Violation (NOV)              | EN28 Monetary value of significant fines and total number of non-monetary sanctions for noncompliance with environmental laws and regulations. |                                       | See GRI Indicator Protocols in G3.1 | Cumulative number of NOV's received from a Regulatory Agency during an inspection.   |   | Could include a requirement to disclose significant environmental or safety events regardless of NOV |
| Solar Capacity Installed               | None specific to solar   | MW                                    |                                     |  |   | Since it is SEIA seems like we should have some solar specific metrics                               |
| Solar Panels Produced                  | None specific to solar   | MW                                    |                                     |  |   |  |
| Sustainability Report                  |  | Yes or No and web address             |                                     |  |   | Not a Metric but location of metrics and general company information needs to be disclosed           |