

What is claimed is:

1. An apparatus for providing energy usage statistics for a semiconductor manufacturing tool comprising:
a controller that:
determines a set of energy usage measurements for one or more manufacturing system sub-fabs; and
reports the set of energy usage measurements.
2. The apparatus of claim 1, wherein the controller is further configured to calculate and report an energy savings by comparing the set of energy usage measurements with a baseline set of energy usage measurements.
3. The apparatus of claim 1, wherein the energy usage measurements represent an energy consumption of the one or more manufacturing system sub-fabs in a low power configuration.
4. The apparatus of any of claims 1-3, wherein the controller is a sub-fab front end controller.
5. The apparatus of any of claims 1-3, wherein the energy usage measurements are reported for at least one of an instantaneous time, a time frame, or a lifetime of the manufacturing tool.
6. The apparatus of any of claims 1-3, further comprising a display for displaying the set of energy usage measurements.
7. The apparatus of any of claims 1-3, wherein the controller is further configured to report the set of energy usage measurements to a remote server.

8. The apparatus of claim 7, wherein the remote server provides for emissions tracking and reporting in accordance with a predetermined emissions measurement standard.
9. A system for providing energy usage statistics for a semiconductor manufacturing tool, comprising:
one or more controllers that:
determine a set of energy usage measurements for one or more manufacturing system sub-fabs; and
report the set of energy usage measurements to a remote server; and
wherein the remote server aggregates the energy usage measurements from the one or more controllers and provide an aggregated energy usage report.
10. A method for providing energy usage statistics for a semiconductor manufacturing tool, the method comprising:
determining a set of energy usage measurements for one or more manufacturing system sub-fabs coupled to a controller; and
reporting the energy usage measurements.
11. The method of claim 10, further comprising:
calculating an energy savings by comparing the set of energy usage measurements with a baseline set of energy usage measurements; and
reporting the energy savings.
12. The method of any of claims 10-11, further comprising at least one of:
wherein the energy usage measurements represent an energy consumption of the one or more manufacturing system sub-fabs in a low power configuration; or
wherein the energy usage measurements are reported for at least one of an instantaneous time, a time frame, or a lifetime of the manufacturing tool.
13. The method of any of claims 10-11, further comprising displaying the set of energy usage measurements.

14. The method of any of claims 10-11, wherein the set of energy usage measurements is reported to a remote server.

15. The method of any of claims 10-11, wherein the reporting step further comprises reporting the set of energy usage measurements in a format consistent with a predetermined emissions measurement standard.

Claims:

1. An invention not claimed in any divisional application.