A utility meter measures incoming and outgoing electricity from HB. Because HB uses more than the solar panels produce, this meter measures only incoming power.

The outlets in front of you draw a blend of solar and grid energy from the circuit box for public use.

5 solar panel modules on our roof capture radiated energy (light) from the sun and transform it into electricity, sending it off into the power system.

5 micro-inverters convert the type of electrical current coming from the solar modules from direct current (DC) to alternating current (AC), the form commonly used in interior electrical systems.

A circuit box takes the energy from the inverters and distributes it throughout the school.

A utility meter measures incoming and outgoing electricity from HB. Because HB uses more than the solar panels produce, this meter measures only incoming power.

The external power grid also feeds into the HB circuit box. When HB uses more energy than the solar panels collect, the outlets are fed from the external grid.

To learn more and see our real-time energy production and use, explore our website (www.hb.edu/chargingstation) on the iPad available here.