

Text B Lunar solar collector

Fortunately, in the Lunar Solar Power (LSP) System, an appropriate, natural satellite is available for commercial development. The surface of Earth's moon receives 13,000 power. The LSP System uses 10 to 20 pairs of bases - one of each pair on the eastern edge and the other on the western edge of the moon, as seen from Earth - to collect on the order of 1 % of the solar power reaching the lunar surface. The collected sunlight is converted to many low-intensity beams of microwaves and directed to rectennas on Earth. Each rectenna converts the microwave power to electricity that is fed into the local electric grid. The system could easily deliver the 20 TW or more of electric power required by 10 billion people. Adequate knowledge of the moon and practical technologies has been available since the late 1970s to collect this power and beam it to Earth.