

# Beyond the Earth Civilization-Space Solar Power Station as a basis of Solar System Civilization-

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To maintain the human welfare and current living standard, or ever to avoid perishing disaster during this century, the issues on energy, food and environments should be seriously discussed and solved. The increasing demand for electricity, on the other hand, conflicts with the demand for clean environment due to fossil-based power plant. Therefore the dilemma of these two demands needs to be overcome during the present century. Under these circumstances, research has been carried out to look into a possibility to build a power station in space to transmit electricity generated in space to Earth by way of radio waves. The power station in space is referred to as Space Solar Power Station (SSPS) in the present paper. The SSPS is a clean, large-scale and stable electrical power source.

In Japan, researches, private companies, and a government are considering future energy problem in Japan and we consider the SSPS is one of the solution in Japan. Not only for Japan but also for the world, the SSPS is very important technology for the Humanosphere Research & Development. In this talk, we will discuss the background and future scope of Humanosphere Research.

