Contribution of “Supercritical Geothermal Power Generation” to national energy-environmental policy

*Hiroshi Asanuma[1]

1. AIST

Nationalwide potential of “Supercritical Geothermal Power Generation” has been roughly estimated to reach hundreds GW, although there are a lot of scientific unknowns and necessary technological breakthroughs. The member of this project expect that a number of commercial power plans will start operation and their total capacity reaches to 50-100 GW in 2050th. This strongly contributes to energy security and reduction of CO2. In 2016, Japanese government has identified Supercritical Geothermal Power Generation as one of the eight most prioritized technologies to drastically reduce CO2 emission in 2050 in their the National Energy and Environment Strategy for Technological Innovation towards 2050 (NESTI 2050), and started various supports to the project.

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