

## Summary

To achieve Japan's green transformation goals, it is essential to establish a decarbonized and stable power supply system. The benefits of nuclear power are the improvement of safety through innovative technologies, the ensuring of sovereignty of energy security, and being a driver of the green transformation. The Japanese government has articulated its policy of maximizing the use of nuclear energy. But it is not enough only to use the existing fleet, which is aging and will eventually be decommissioned in the coming decades. We must construct advanced reactors at a pace of one unit per year and accelerate the back-end processes such as reprocessing, decommissioning,

and final disposal. For sustainability, the development and establishment of SFRs and a closed nuclear fuel cycle are key technologies. It enables resource recyclability and reduction of radioactive waste. Japan's GX target cannot be achieved without nuclear energy. The future of nuclear energy policy has been determined; now is the time to make it happen to achieve GX targets with nuclear. ☒

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