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Efforts toward a Green ILC in Japan

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We are working on various activities to achieve sustainability of the ILC during its total life cycle. Japanese companies are making efforts to promote decarbonization during the production of concrete, steel frame and rebar, which account for a large portion of CO₂ emissions during construction. During operation, most of the CO₂ emissions come from the electricity used by the ILC, and efforts are being made to make the electricity in the area where the ILC candidate site is located sustainable. Efforts are also underway to increase CO₂ absorption in forests and coastal areas, and to increase the long-term fixation of CO₂ by incorporating more wood structures in local housing and large public buildings including ILC-related facilities. This report discusses these efforts.

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