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Update of the power demand for FCC-ee

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The FCC-ee will be the largest accelerator ever built with kilometers of different accelerator devices. The identification of the main loads is crucial for designing the electricity infrastructure and for evaluating its energy consumption. An update of the FCC power demand is ongoing with the evaluation of its annual energy consumption depending on the machine configurations. The next step is to identify how energy consumption can be reduced, by design and optimization of equipment and systems, and by optimization of the operation mode of the accelerators and their infrastructures. The goal is to identify where the effort needs to be focused to reduce the environmental impact of the project.

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