

GETTING THE FACTS ON

Bruce Power and the Periodic Safety Review

Bruce Power[™]

Innovation at work

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A Periodic Safety Review (PSR) is a review that compares the plant, as it currently operates, against modern codes and standards for the purpose of identifying opportunities to enhance nuclear safety.



Safety First is always our No. 1 value.

The PSR demonstrates Bruce Power's commitment to continuously improve safe and reliable operation and maintain a strong nuclear safety culture.

The PSR is now a **regulatory requirement** and builds upon Bruce Power's previous safety reviews. PSRs are an **international practice**. The CNSC REGDOC 2.3.3 is consistent with the International Atomic Energy Association's SSG-25.

The reactors operate safely and meet all safety requirements. These PSR improvements enhance what Bruce Power is required to do and are practical improvements that will enhance nuclear safety.

Once the practical improvements are identified in the PSR, an **Integrated Implementation Plan (IIP)** is developed, which schedules these improvements over the next 10 years.

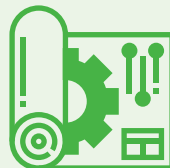
Of the items on the IIP: Some are simple to implement, some are already being done and some are more complex to implement.

The PSR will be completed **every 10 years**. This is the first one under REGDOC 2.3.3 and it was accepted by the CNSC in September 2017. The next PSR will be completed in 2026, ahead of the next licence renewal (assuming 10-year licence is granted).

MCR

BRUCE POWER
MAJOR COMPONENT
REPLACEMENT

There are currently **191 items** on the IIP, with close to **100 of those scoped** in to Major Component Replacement outages.



Some current examples of items on the plan include Fukushima modifications, containment filtered venting and fire protection improvements.