



Canadian Nuclear  
Safety Commission

Commission canadienne  
de sûreté nucléaire

# *NEA/MDEP Conference: Canadian Participation in MDEP*

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# *Status of New Build Program in Canada*



## **Proponent Activity**

- Most advanced new NPP project is Darlington B, at the existing OPG site in Ontario
- Joint Review Panel just submitted its report to the government, covering the EA and licence to prepare site phases
- EA was completed on a technology neutral basis

## **Vendor Activity**

- Pre-project Design reviews for EPR, AP1000, AECL ACR1000, AECL EC-6, ATMEA, B&W mPower

## **CNSC Activity**

- Staff review guides
- Pre-project design reviews
- EIS guidelines and assessments

# ***CNSC MDEP Participation***



## Areas where Canada is receiving most value

- The three issue specific working groups
- The EPR and AP1000 working groups

## Areas where Canada is adding most value

- The three issue specific working groups, in particular the Codes and Standards Working Group which Canada leads

# Continuing Participation by Canada



- Canada sees high value in MDEP and is committed to MDEP participation
- Economic outlook – applicants' plans have changed
- Federal Government fiscal constraints
- CNSC has re-evaluated where it can provide and give greatest value:
  - Will continue to participate in most activities at current levels

# ***Fukushima - Implications***



## **International Cooperation Post Fukushima**

- Harmonization and resource sharing even more important

## **CNSC Response**

- 12.2 requests to licensees to confirm the safety cases
- Internal CNSC Task Force
- External Advisory Committee (non-nuclear, process focus)
- Canada first to request IRRS Fukushima module, as part of follow up to be held in November
- Note that IRRS using Canadian suggestion now, as was done in the recent Korean mission

## **Fukushima and New Build**

- The Canadian task force has already identified recommendations relevant to new builds, in addition to the existing fleet. We have performed our review according to the three tenets: technology neutrality; transparency; objectivity



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