



# NUCLEAR POWER FOR SASKATCHEWAN?

A presentation to the Saskatchewan Forum

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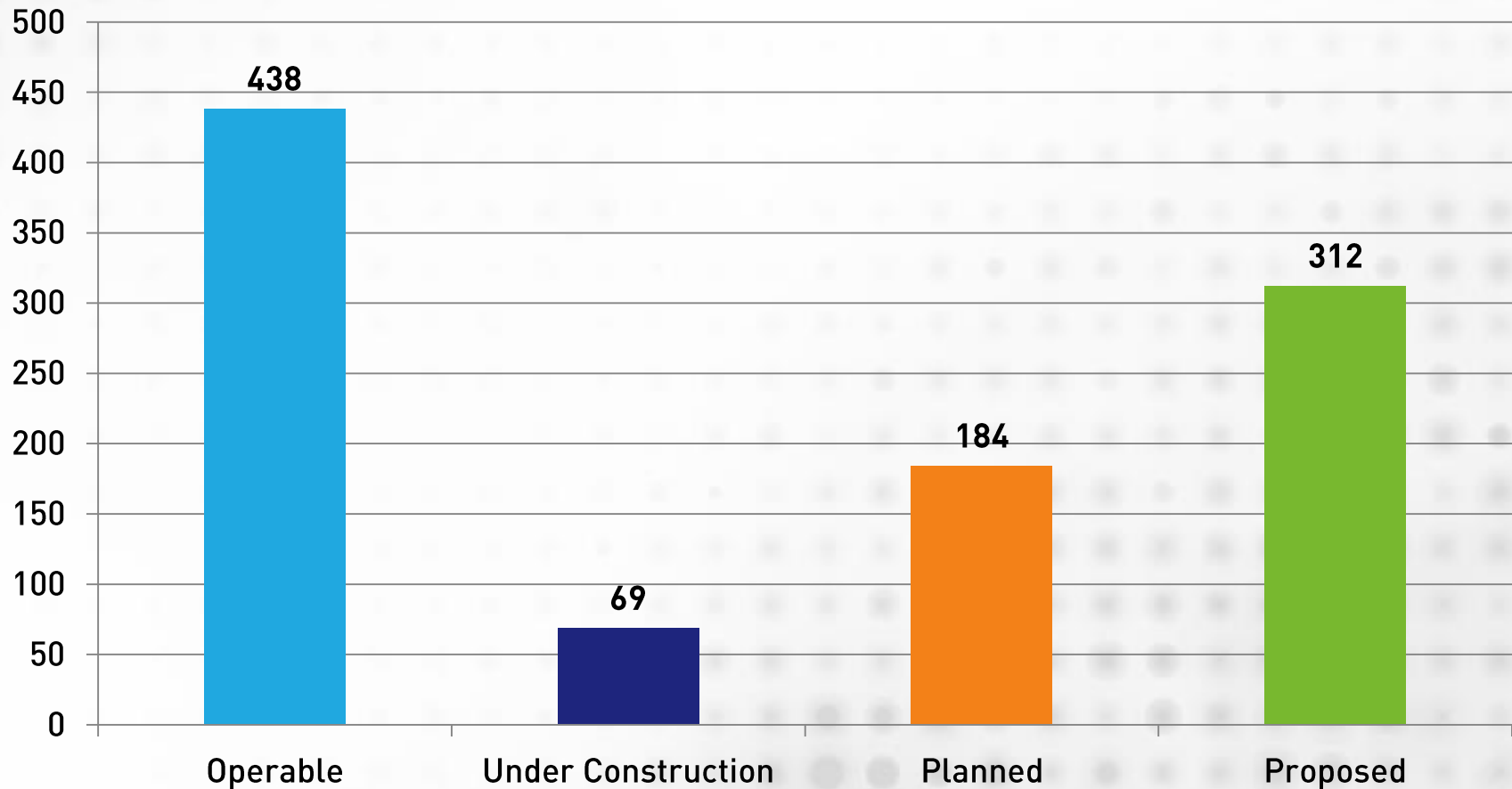
# Uranium: A success story

- Cameco: Global supplier
- India: A hungry customer
- Proliferation: Adequate safeguards

# What drives nuclear's growth?

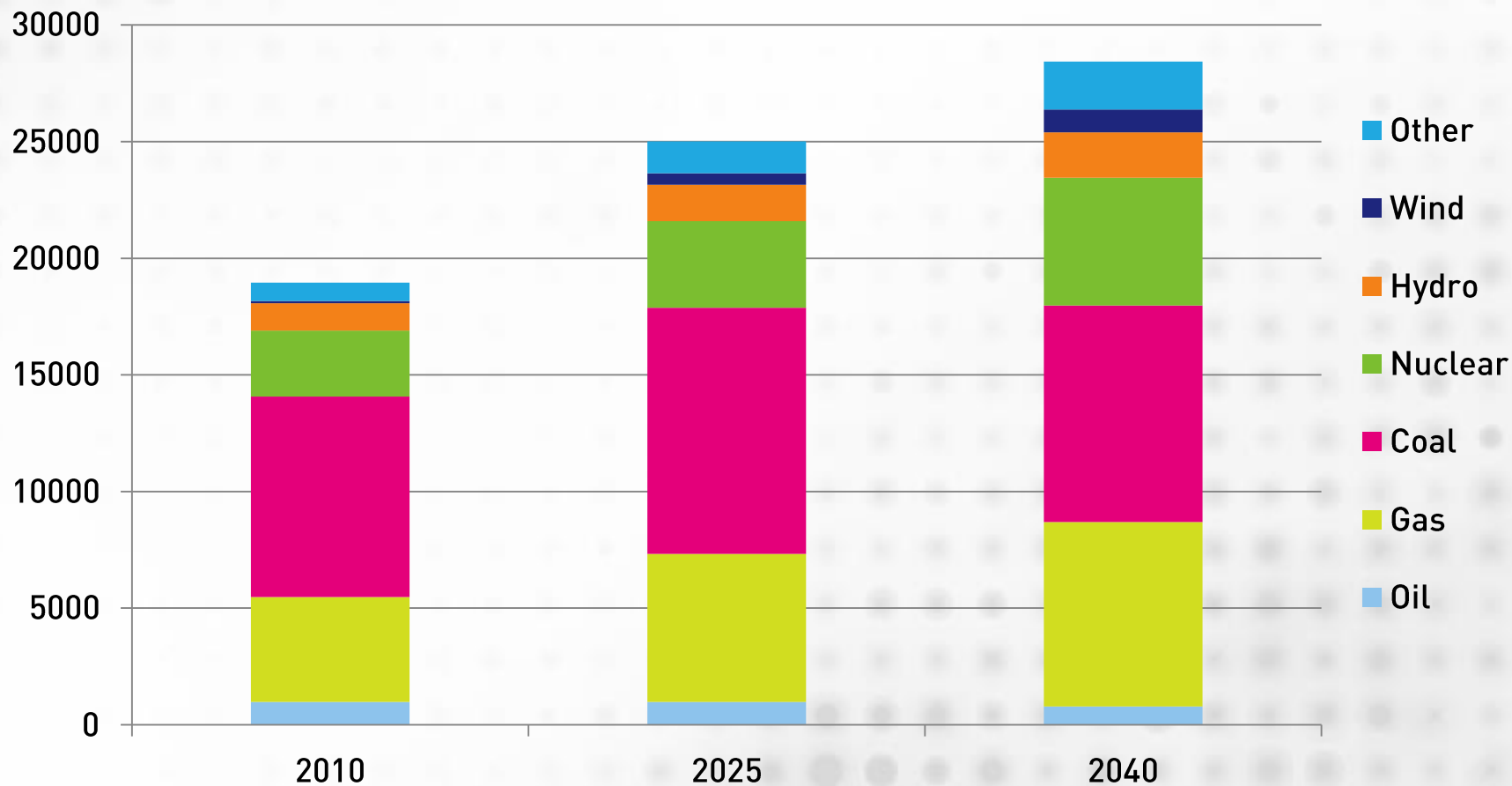
- Rising electrical demand
- Secure supply
- Climate change mitigation
- Safe, mature technology

# Meeting the global demand



Source: World Nuclear Association

# Global electricity: fuel forecast



Adapted from ExxonMobile Outlook for Energy

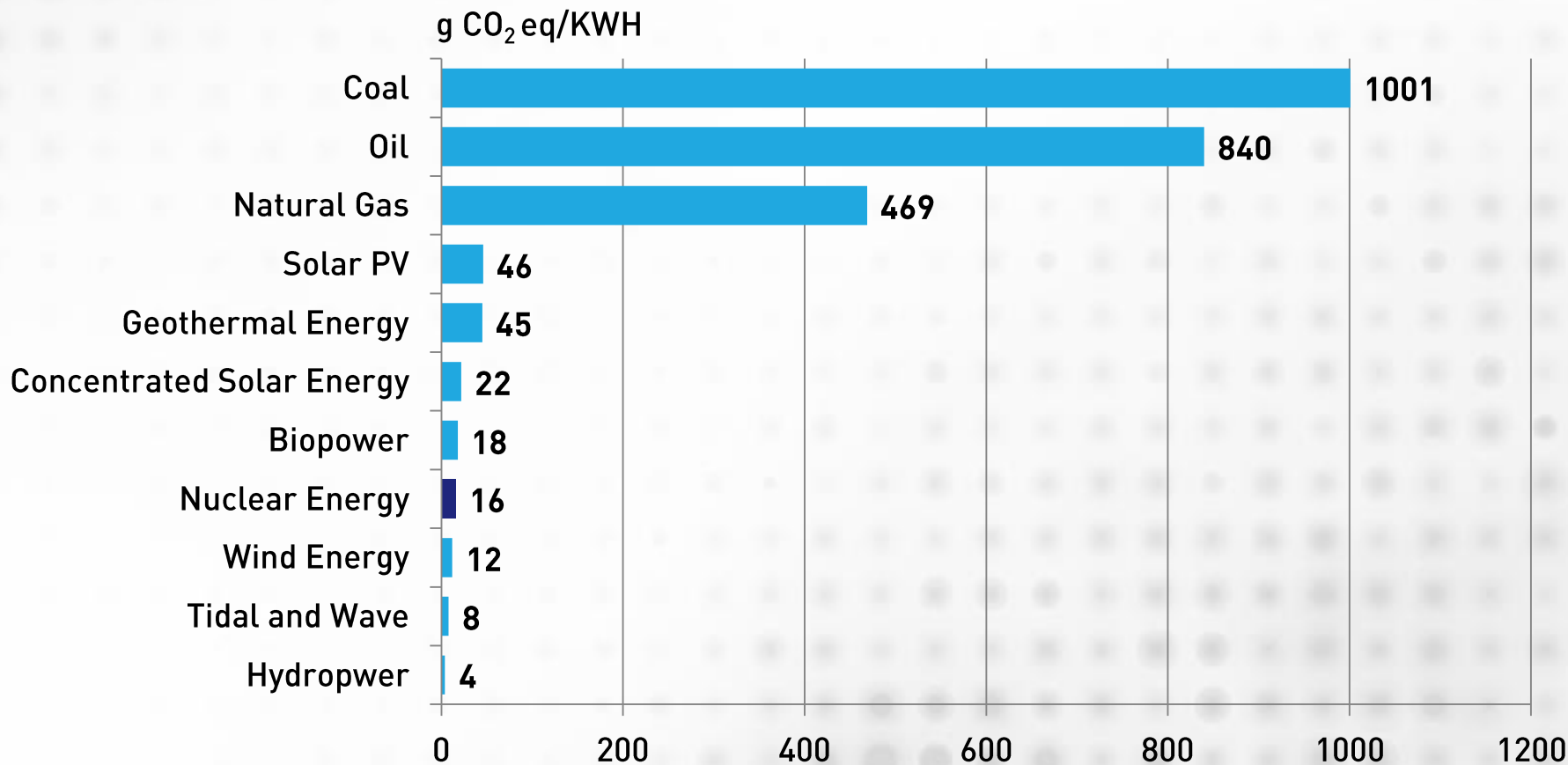
# What about Saskatchewan?

- Electrical demand and supply
- Carbon emissions and CCS
- Nuclear in the long-term plan

# SMR prospects

- Comparison with bigger reactors
- Current projects
- Forecast

# Nuclear energy = clean air



Source: IPCC



# Nuclear energy = jobs

Parameter	2 x 180 MW SMRs
Engineering and procurement	\$1.6 billion
On-site labour cost	\$400 million
Direct employment	2,400 person years
Schedule	3 years

Source: Canada's Manufacturers and Exporters, 2012

# Nuclear energy = innovation

- Fedoruk Centre
- Canadian Lightsource
- Canadian Nuclear Laboratories
- Universities & colleges
- Future nuclear applications

# Nuclear energy = knowledge exports

- Refurbishment
- Decommissioning
- Waste Management



**Thank you**