

温馨提示：以下内容均为外文报告原文，请外语不好的同学谨慎打开。

消费电子，智能硬件，工业，农业，自动化，机器人，服务，教育……

INDUSTRIES & MARKETS

# Nuclear energy in Canada

# Table of Contents

## 01 Overview

Global nuclear power production 2023, by leading country	
Global nuclear energy consumption 2023, by leading country	
Operable nuclear power reactors worldwide 2024, by country	
Leading nuclear power plants worldwide 2024, based on capacity	
Planned global nuclear power reactor additions 2024, by country	
Number of SMR designs in development worldwide 2024, by country	

## 02 Key figures

Nuclear energy capacity in Canada 2000-2023	
Nuclear power plants' capacity in Canada 2022	
Nuclear energy generation in Canada 2005-2022	
Share of nuclear electricity in Canada 2010-2023	

## 03 SMRs

Nuclear energy production in Canada 2020-2050, by technology	
Capacity of SMR projects in Canada 2023, by company	
SMR projects funding in Canada 2018-2023	

## 04 Fuel

Canada's uranium mine production 2005-2022	
--	--

Canada's uranium production by mine 2005-2022	<u>20</u>
Bundles of used nuclear fuel stored in Canada 2015-2023, by type	<u>21</u>
Bundles of used nuclear fuel waste in Canada 2023, by reactor	<u>22</u>
Breakdown of spent nuclear fuel stored in Canada 2023, by province	<u>23</u>

## 05 Companies

Ontario Power Generation's revenue 2013-2023	<u>25</u>
Revenue of Cameco 2010-2023	<u>26</u>
Atomic Energy of Canada Limited's revenue FY 2016-2023	<u>27</u>

## 06 Outlook

Planned and proposed nuclear power capacity in Canada 2024	<u>29</u>
Projected used nuclear fuel waste produced in Canada 2023, by scenario	<u>30</u>
Attitudes toward the expansion of nuclear energy in Canada 2022 by province	<u>31</u>
Opinion on nuclear energy based on political affiliation in Canada 2022	<u>32</u>

<u>15</u>
<u>16</u>
<u>17</u>

<u>19</u>
-----------

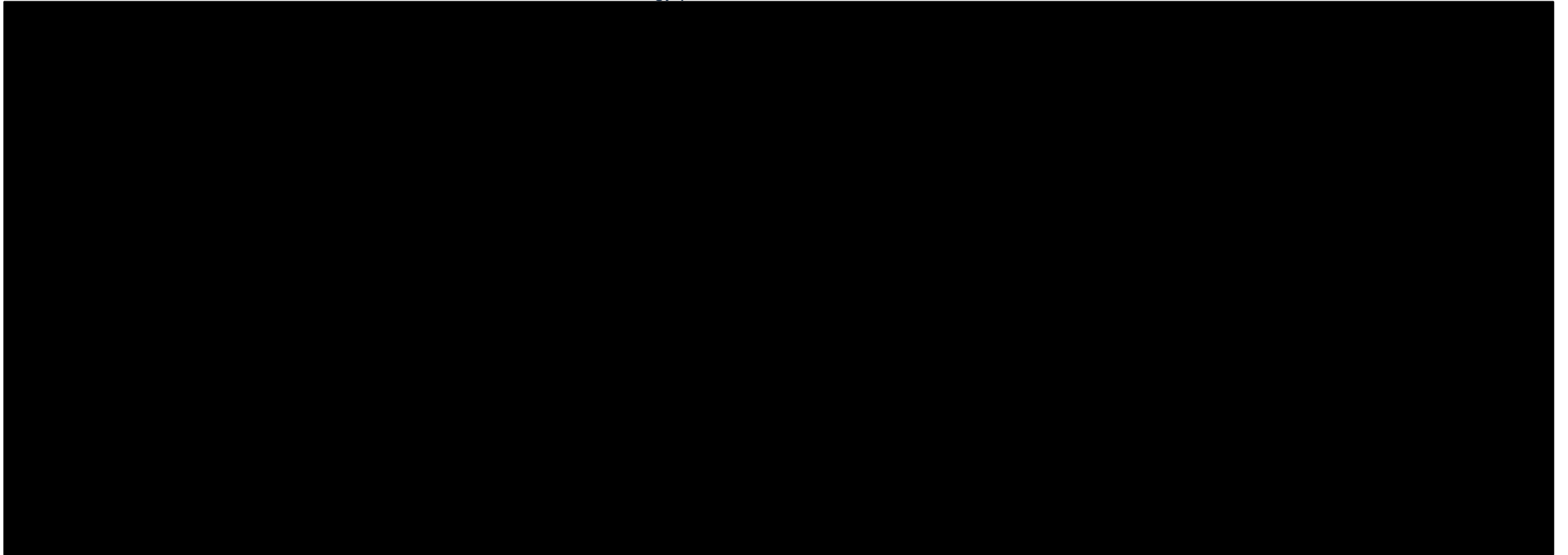
CHAPTER 01

# Overview

# Leading countries in nuclear energy generation worldwide in 2023 (in terawatt-hours)

Global nuclear power production 2023, by leading country

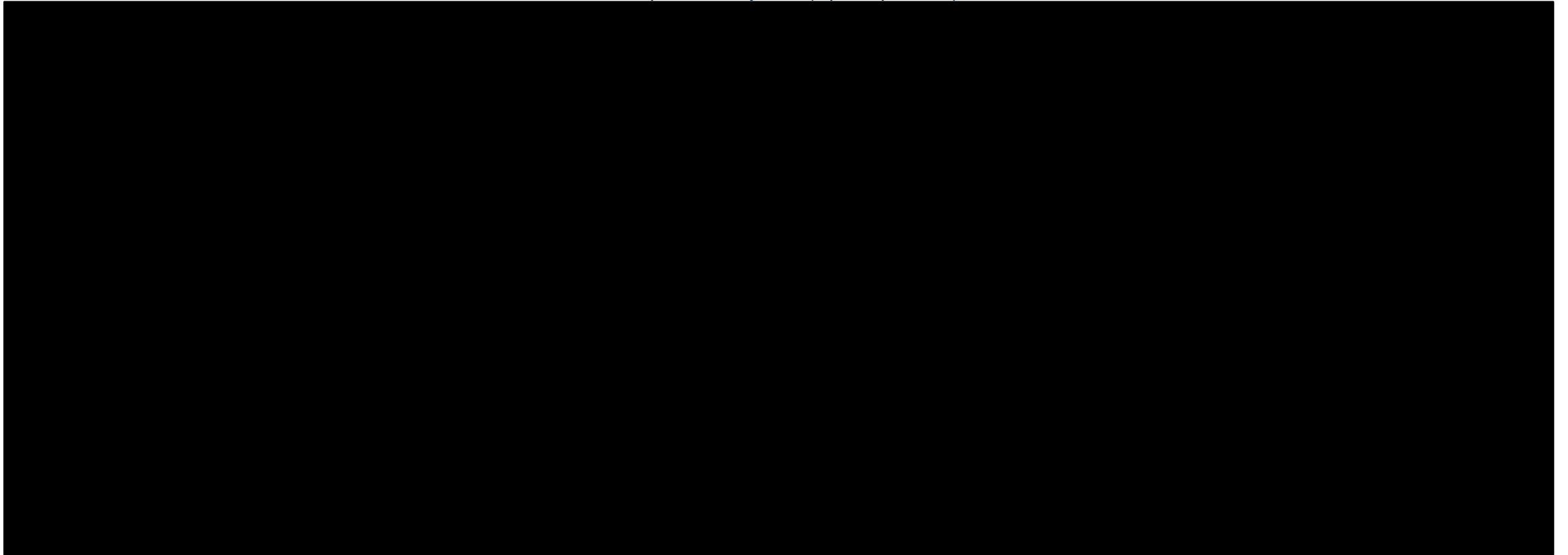
Energy production in terawatt-hours



# Leading countries in nuclear energy consumption worldwide in 2023 (in exajoules)

Global nuclear energy consumption 2023, by leading country

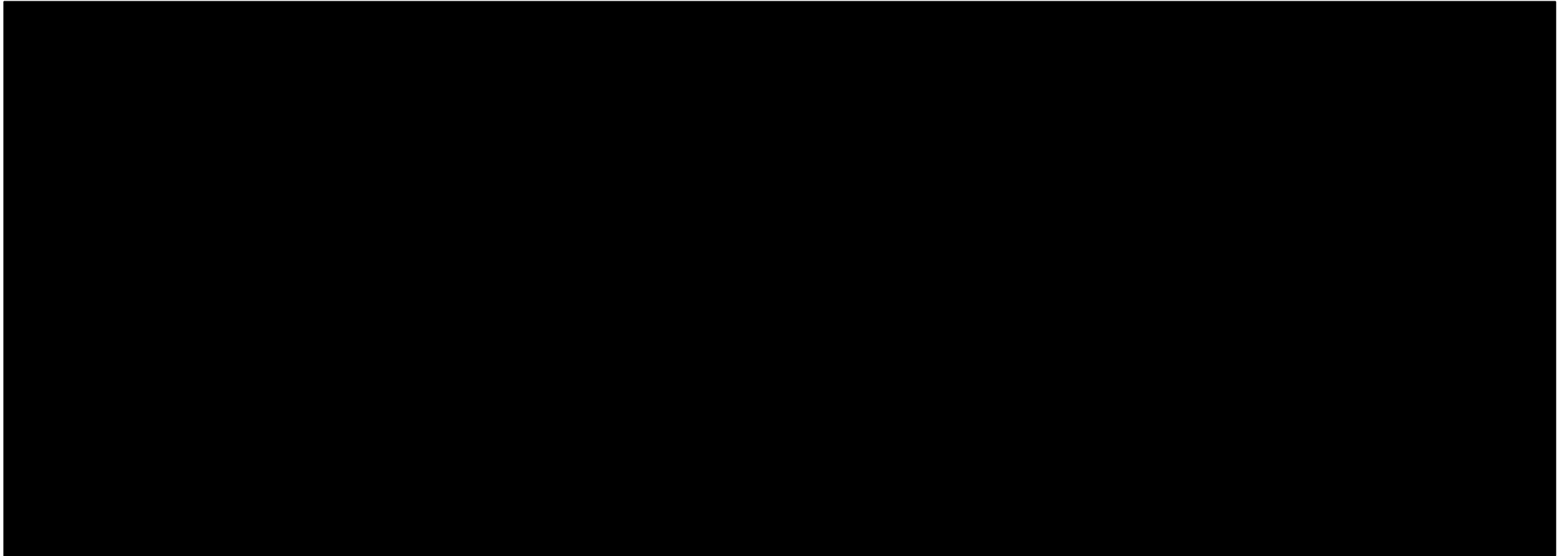
Consumption in exajoules (input-equivalent)



# Number of operable nuclear power reactors worldwide as of May 2024, by country

Operable nuclear power reactors worldwide 2024, by country

Number of reactors

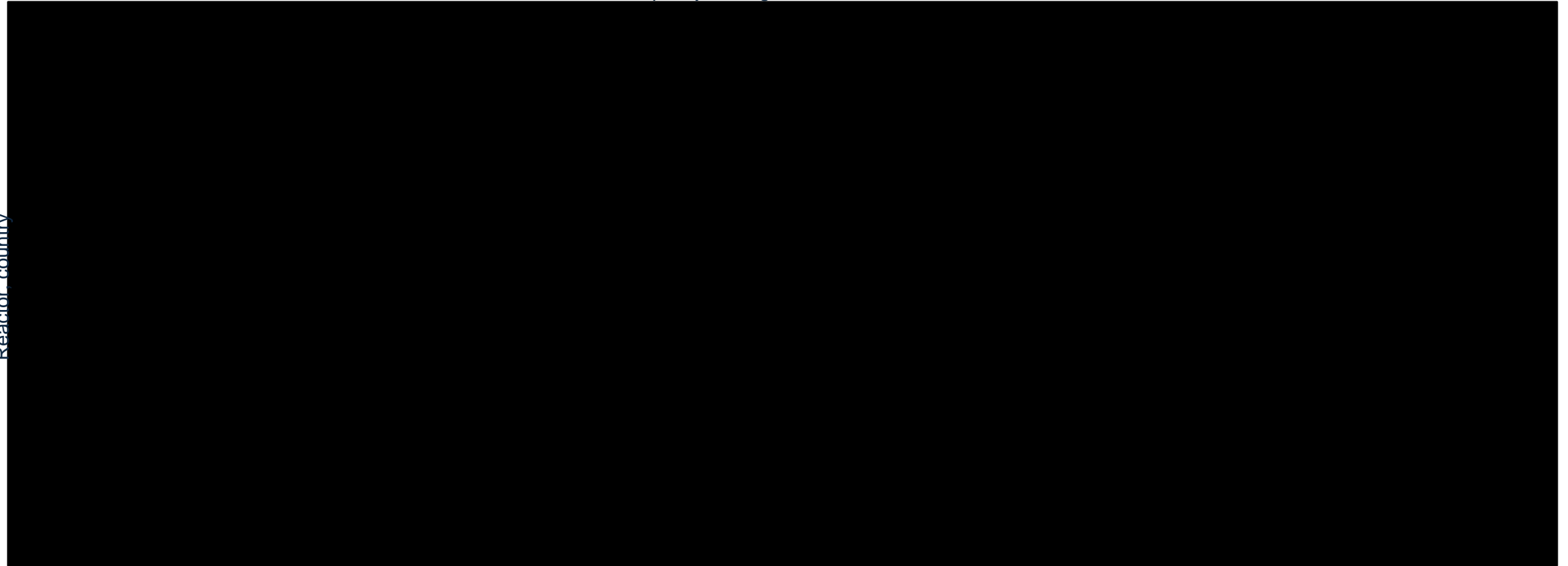


# Ranking of leading nuclear power plants worldwide as of June 2024, by capacity (in megawatts electric)

Leading nuclear power plants worldwide 2024, based on capacity

Capacity in megawatts electric

Reactor country

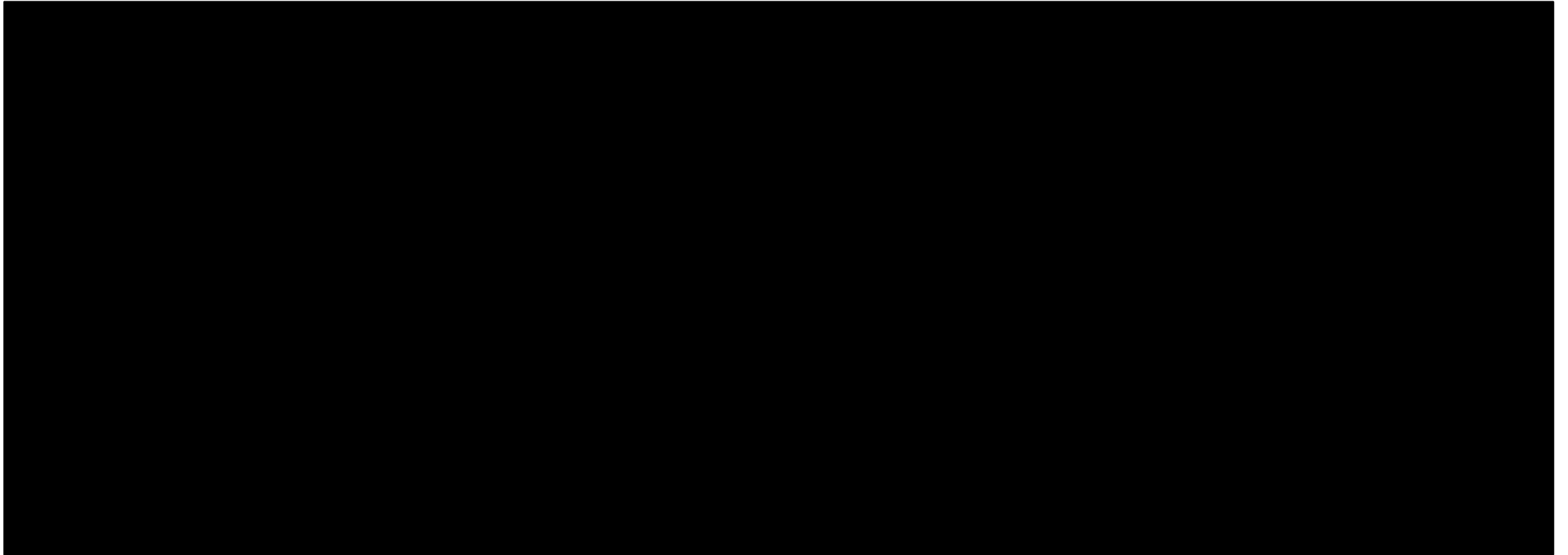




# Number of planned nuclear power reactors worldwide as of May 2024, by country

Planned global nuclear power reactor additions 2024, by country

Number of nuclear reactors



7

**Description:** As of May 2024, almost half of the planned nuclear reactors worldwide were in China. This country planned the construction of 41 nuclear units out of the total global number of 92. Russia followed in second place with 14 planned nuclear reactors.

[Read](#)

[more](#)

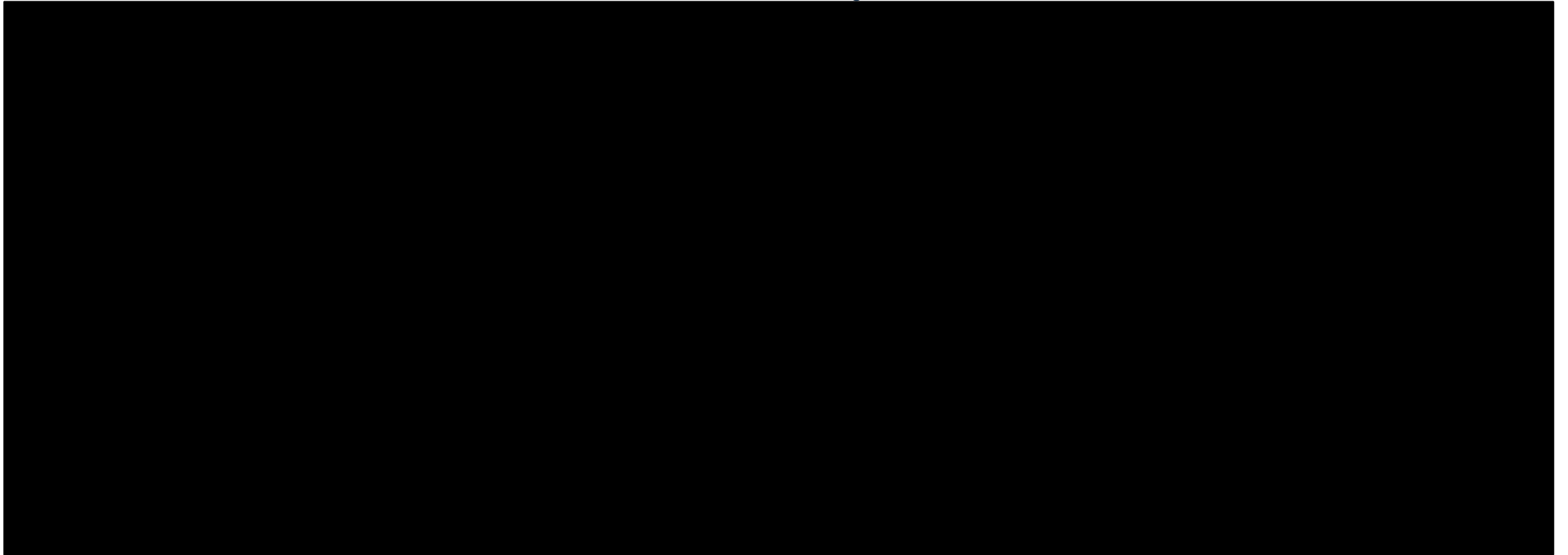
**Note(s):** Worldwide; May 2024

**Source(s):** EIA; IAEA; World Nuclear Association

# Number of small modular reactor (SMR) designs in development worldwide in 2024, by country

Number of SMR designs in development worldwide 2024, by country

Number of SMR designs

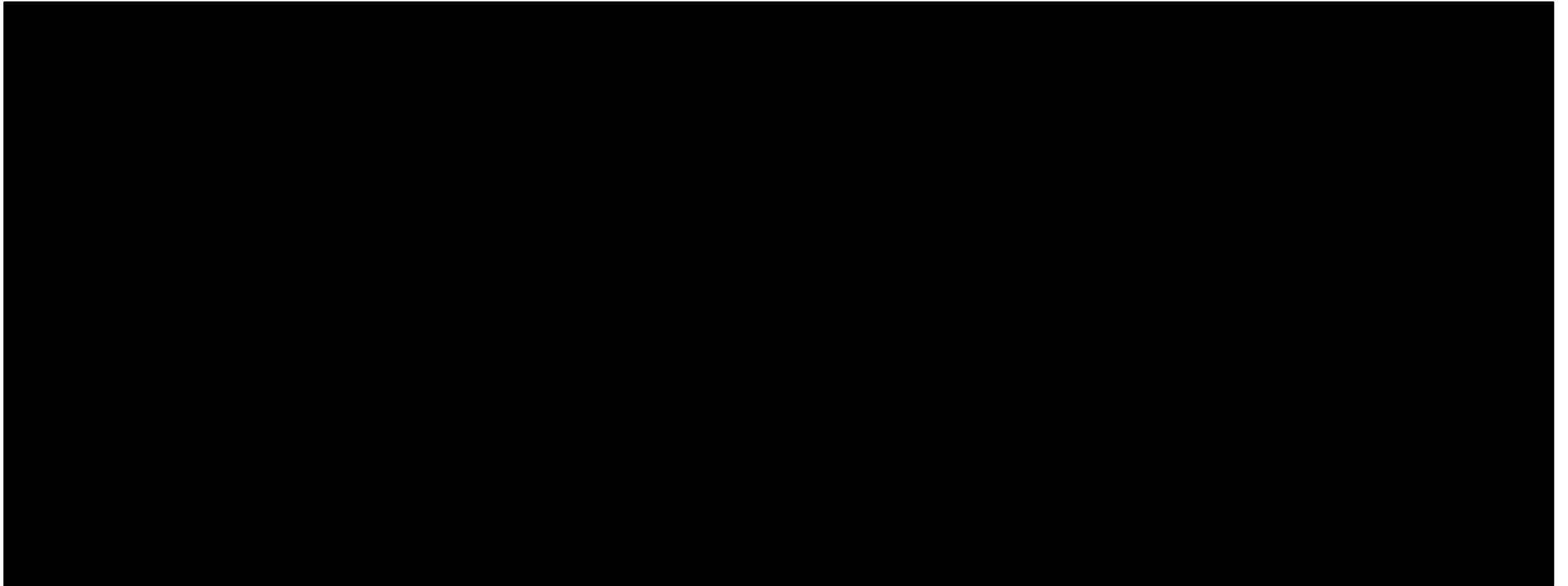


CHAPTER 02

# Key figures

# Operable nuclear power capacity in Canada in selected years from 2000 to 2023 (in megawatts electric)

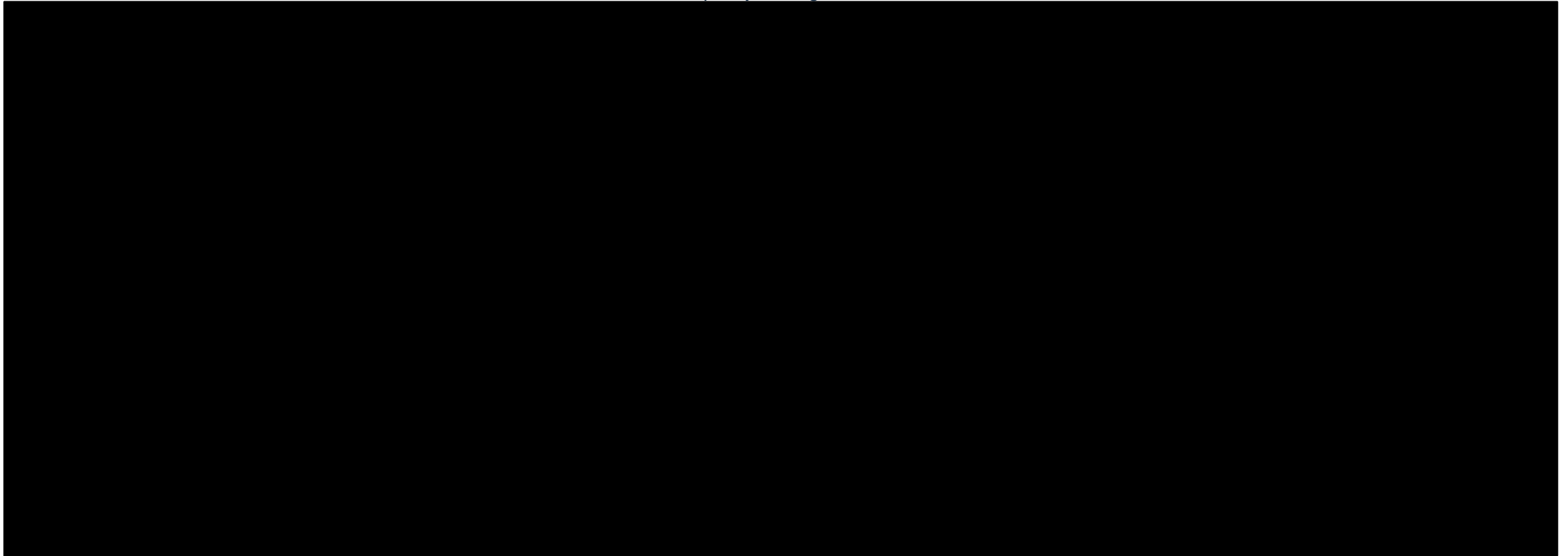
Nuclear energy capacity in Canada 2000-2023



# Capacity of nuclear power plants in Canada in 2022 (in megawatts)

Nuclear power plants' capacity in Canada 2022

Capacity in megawatts



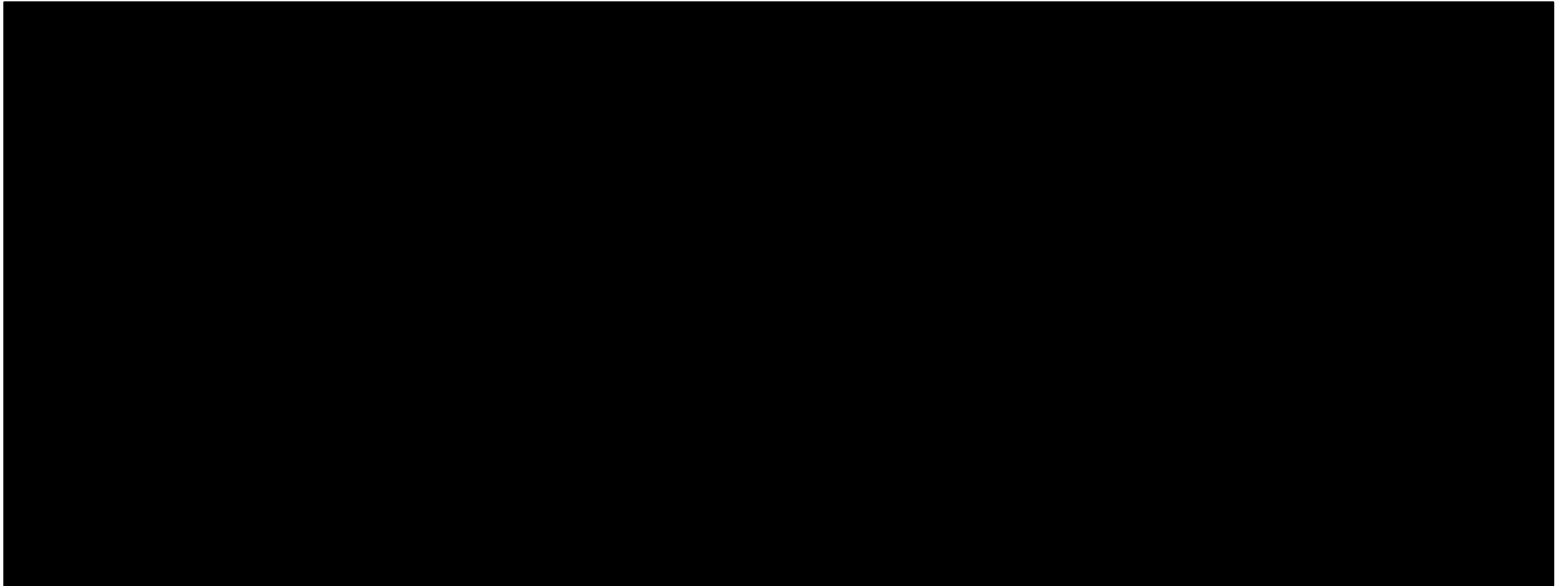
# Electricity generation from nuclear power in Canada from 2005 to 2022 (in terawatt-hours)

Nuclear energy generation in Canada 2005-2022



# Nuclear share of total electricity generation in Canada from 2010 to 2023

Share of nuclear electricity in Canada 2010-2023



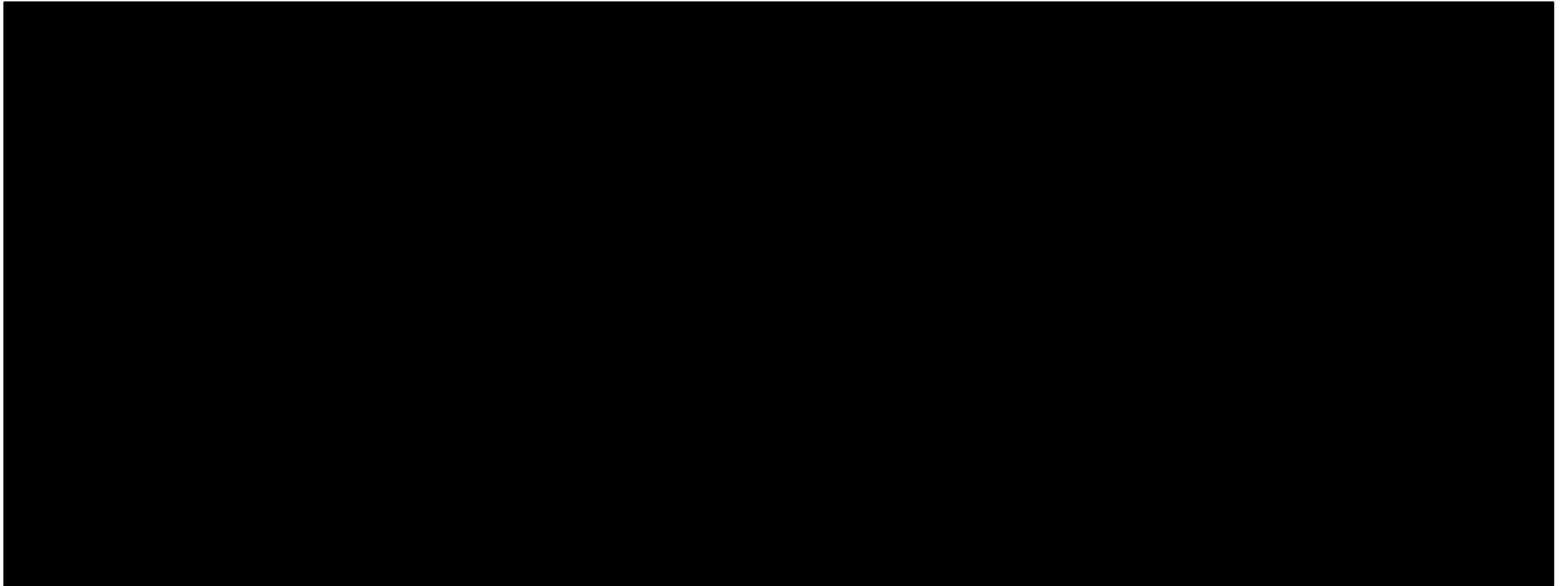
CHAPTER 03

# SMRs



# Nuclear power generation in Canada in 2020 with a forecast until 2050, by reactor technology (in gigawatt-hours)

Nuclear energy production in Canada 2020-2050, by technology

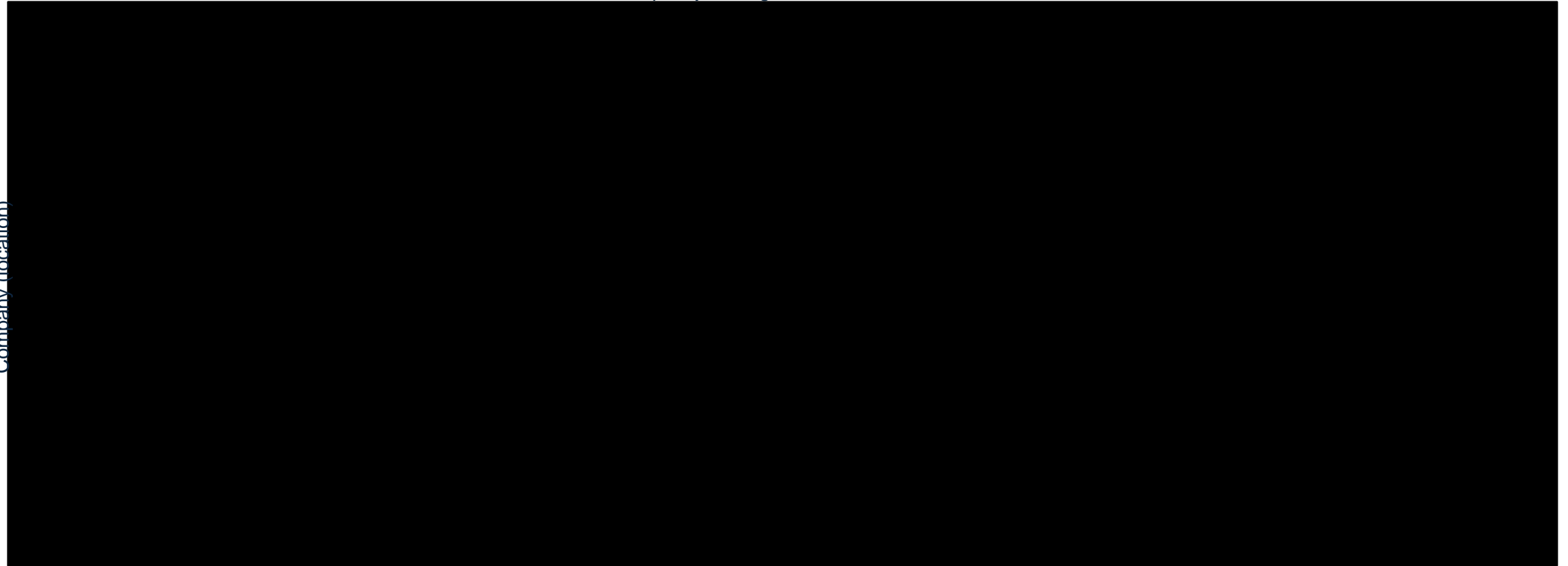


# Capacity of Small Modular Reactor (SMR) projects under development in Canada as of 2023, by company (in megawatts electric)

Capacity of SMR projects in Canada 2023, by company

Capacity in megawatts electric

Company (location)



以上内容仅为本文档的试下载部分，为可阅读页数的一半内容。如要下载或阅读全文，请访问：<https://d.book118.com/975312314134012004>