SUPPORT FOR CLIMATE CHANGE SOLUTIONS

NUCLEAR ENERGY AS SOURCE OF LOW-CARBON ENERGY WHAT IS THE STORY?



DETAILED RESULTS CLIMATE CHANGE, MEETING CANADA'S CLIMATE TARGETS AND THE FUTURE OF **ENERGY.** CONDUCTED FOR CANADIAN NUCLEAR ASSOCIATION RESEARCH AND ANALYSIS FROM CANADA'S LEADING PUBLIC **AFFAIRS AND MARKET RESEARCH EXPERTS**

METHODOLOGY

The survey was conducted with 1,500 Canadian adults from August 17 to 21, 2020. A random sample of panelists were invited to complete the survey from a set of partner panels based on the Lucid exchange platform. These partners are typically double opt-in survey panels, blended to manage out potential skews in the data from a single source.

The margin of error for a comparable probability-based random sample of the same size is +/-2.51%, 19 times out of 20.

The data were weighted according to census data to ensure that the sample matches the Canada's population to age, gender, educational attainment, and region. Totals may not add up to 100 due to rounding.

I. CLIMATE CHANGE ISSUES

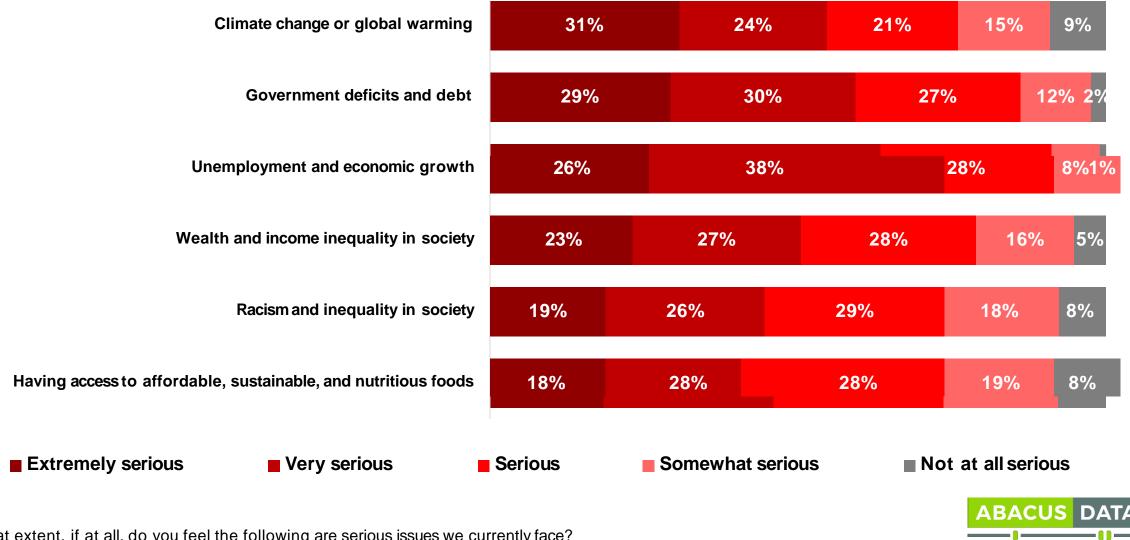
ABACUS DATA

KEY FINDINGS

- Almost 8 in 10 (76%) feel that climate change or global warning are issues we currently face that are at least "serious".
- A majority (57%) feel that the impact of climate change or global warning on themselves or their loved ones has been "Extremely/Very much".
 - Half (50%) report that they or their loved one have experienced the impact of climate change by the increased extreme weather conditions.
- NDP and LPC voters, and respondents in younger cohorts are more inclined to view climate change/global warming issues as serious, and more likely to have felt the impact of climate change either themselves or their family "Extremely/Very much".
- Canadians are most concerned about the impact on the environment, the negative impact on our future generation, and the increased in extreme weather conditions as a result of climate change.



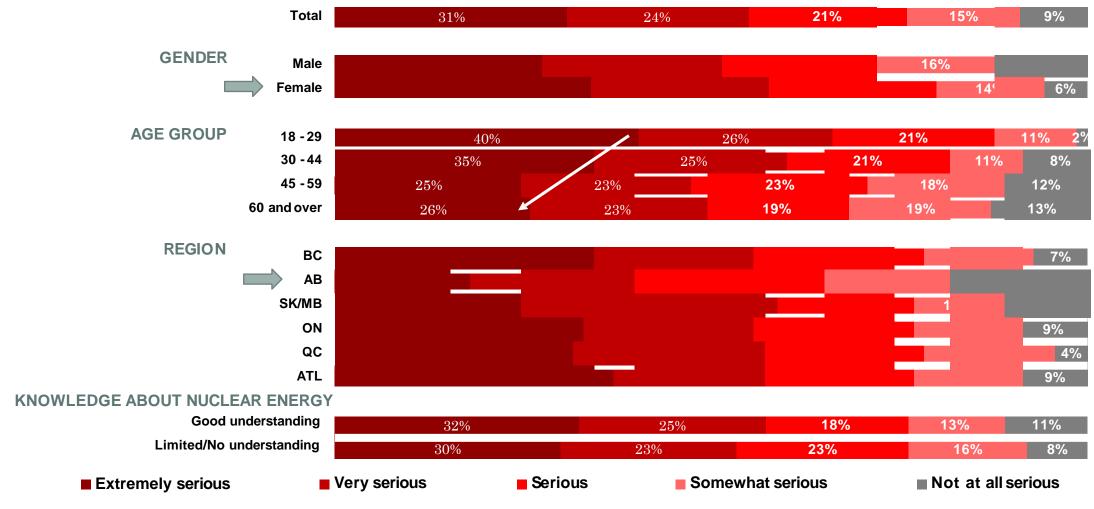
CONCERN FOR ISSUES



To what extent, if at all, do you feel the following are serious issues we currently face?

CONCERN FOR ISSUES

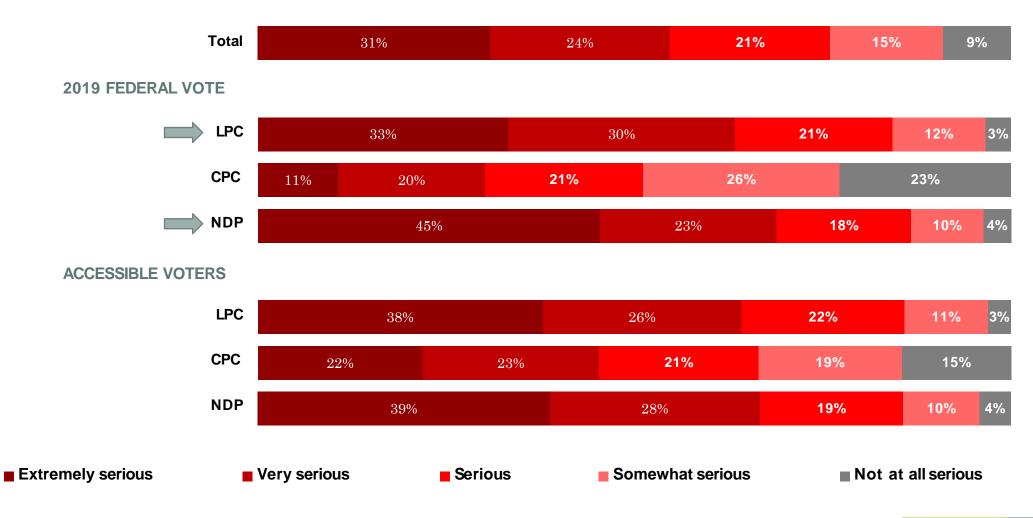
CLIMATE CHANGE/GLOBAL WARMING





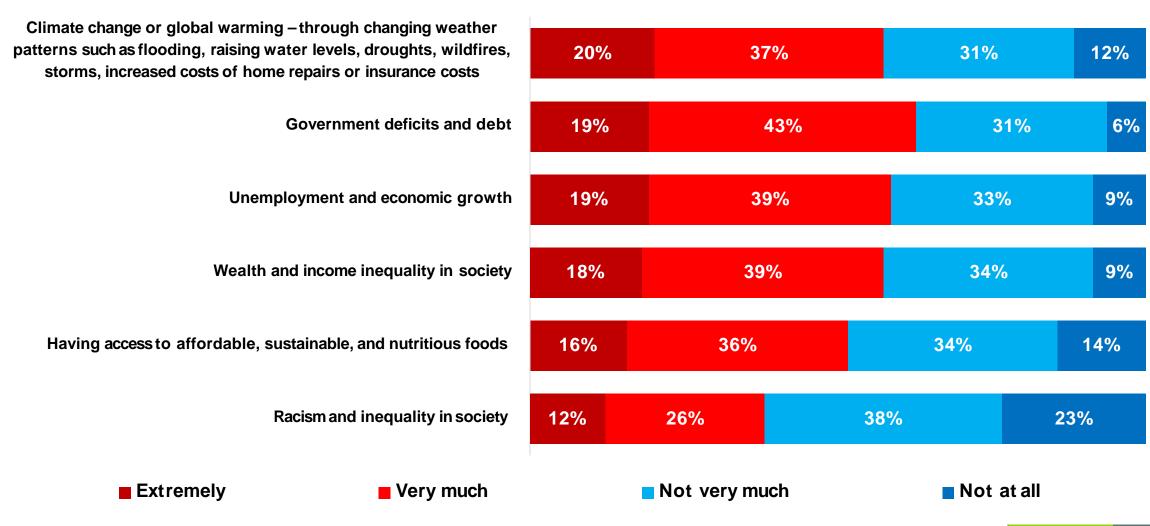
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CLIMATE CHANGE/GLOBAL WARMING





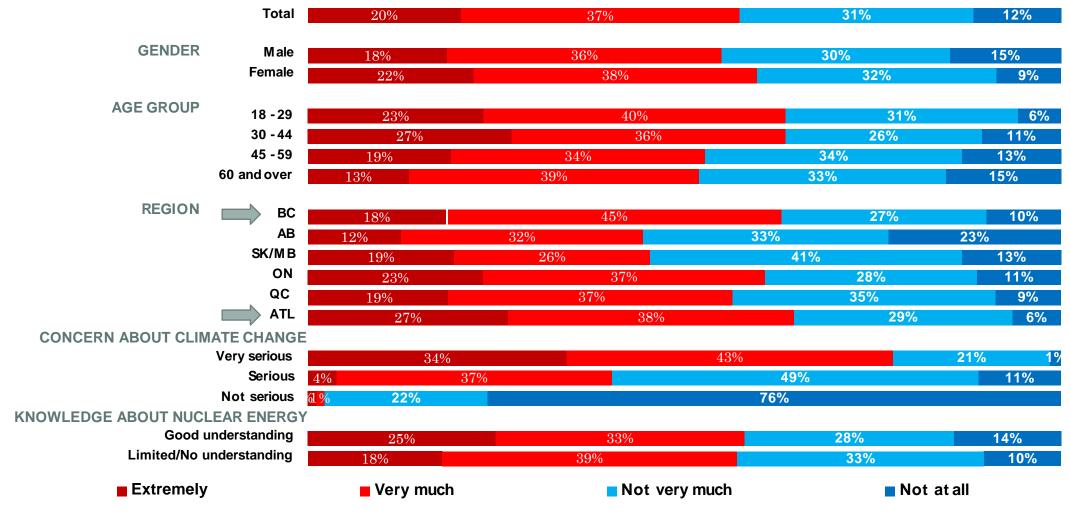
IMPACT OF ISSUES ON LOVED ONES





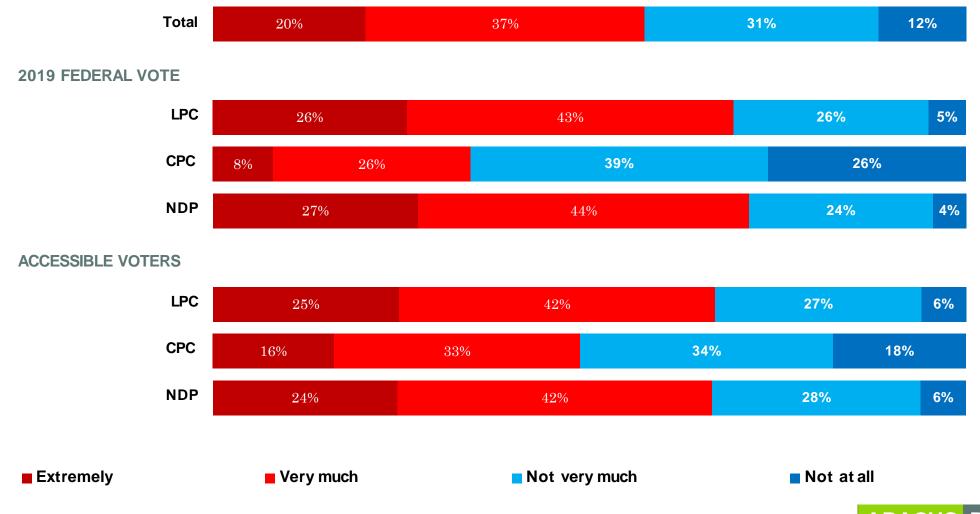
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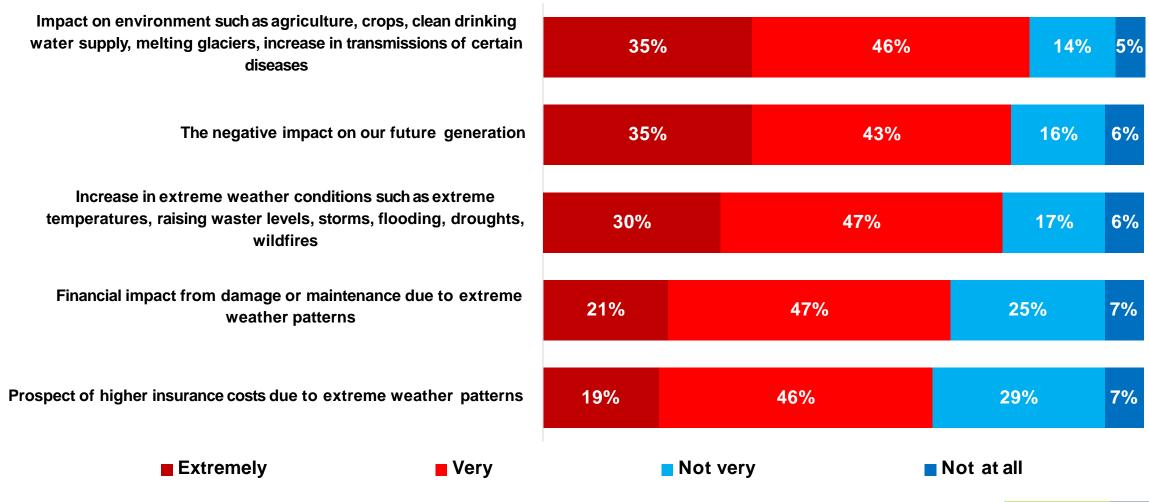
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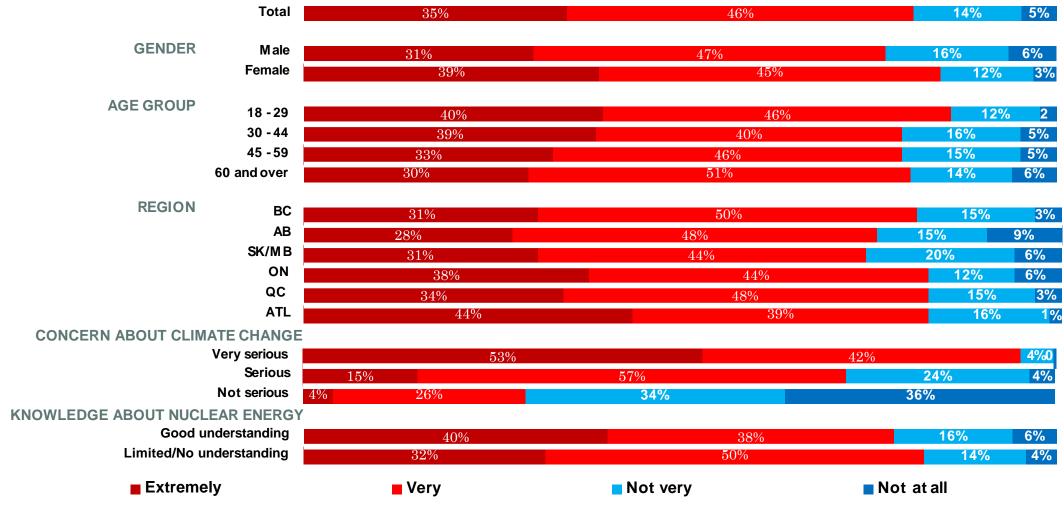
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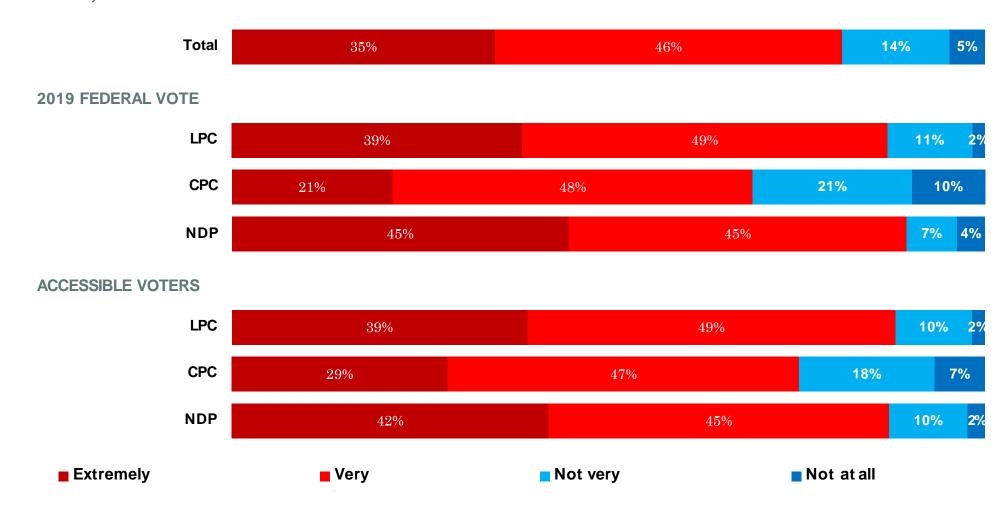


IMPACT ON ENVIRONMENT SUCH AS AGRICULTURE, CROPS, CLEAN DRINKING WATER SUPPLY, MELTING GLACIERS, INCREASE IN TRANSMISSIONS OF CERTAIN DISEASES



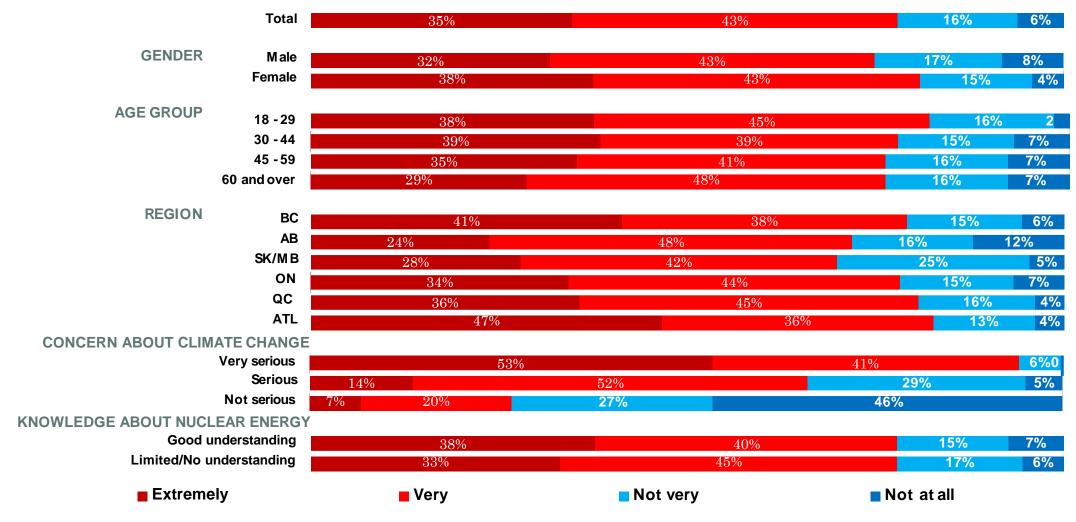


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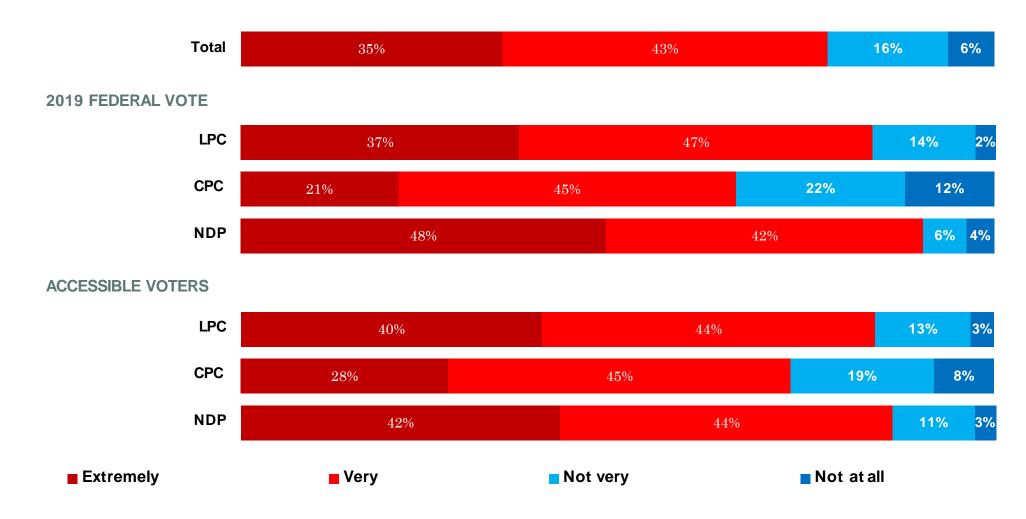


THE NEGATIVE IMPACT ON OUR FUTURE GENERATION



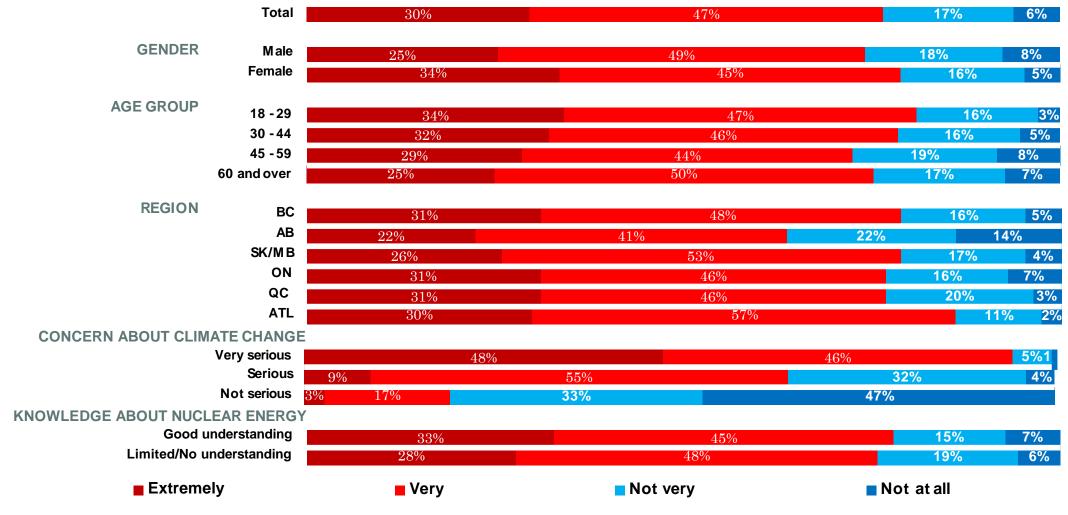


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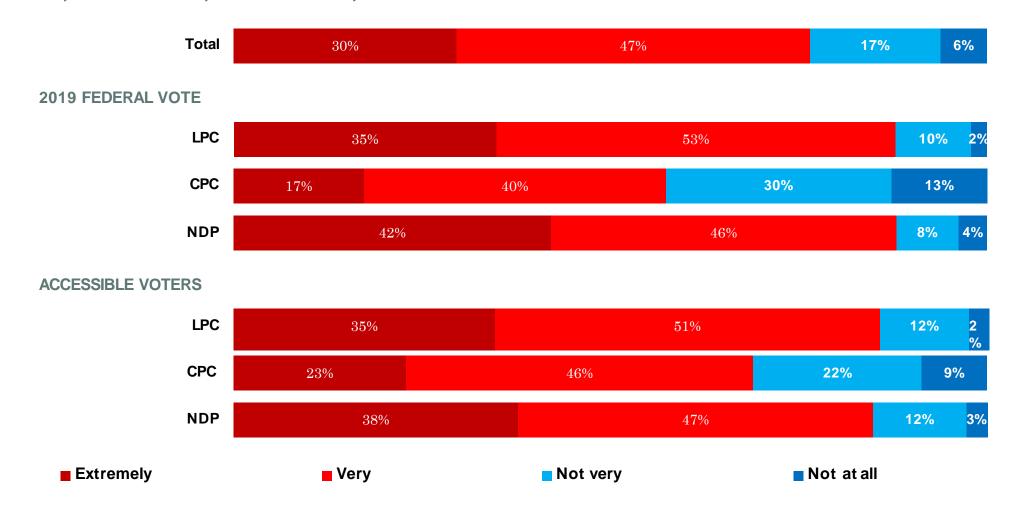


INCREASE IN EXTREME WEATHER CONDITIONS SUCH AS EXTREME TEMPERATURES, RAISING WASTER LEVELS, STORMS, FLOODING, DROUGHTS, WILDFIRES



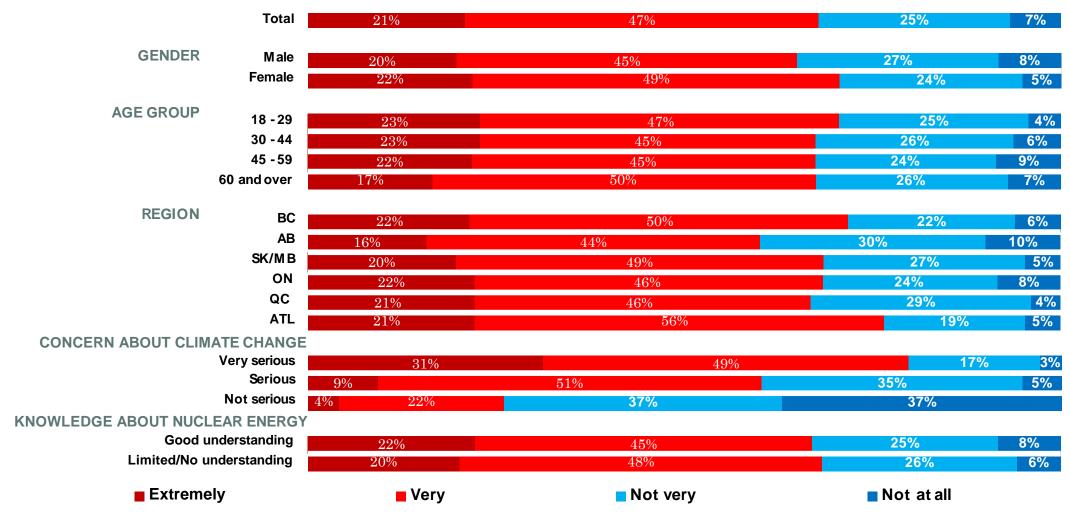


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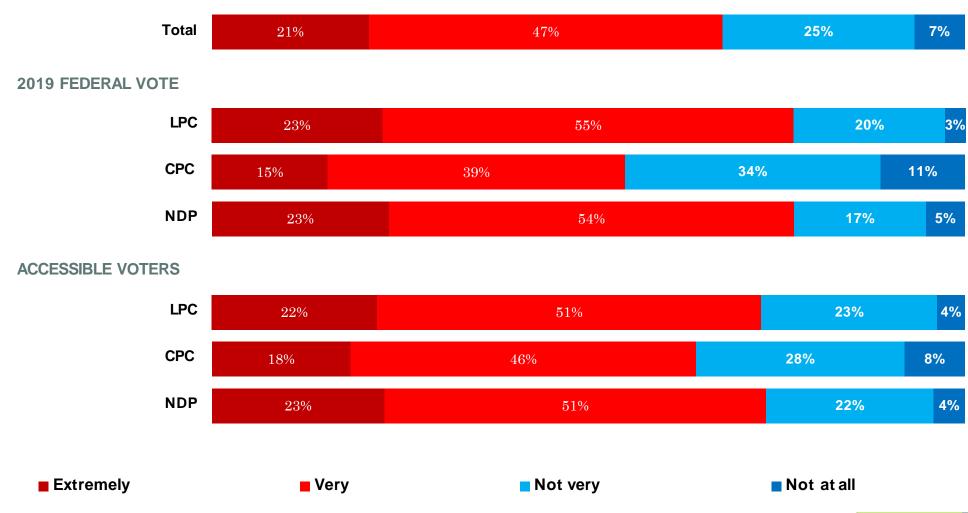


FINANCIAL IMPACT FROM DAMAGE OR MAINTENANCE DUE TO EXTREME WEATHER PATTERNS



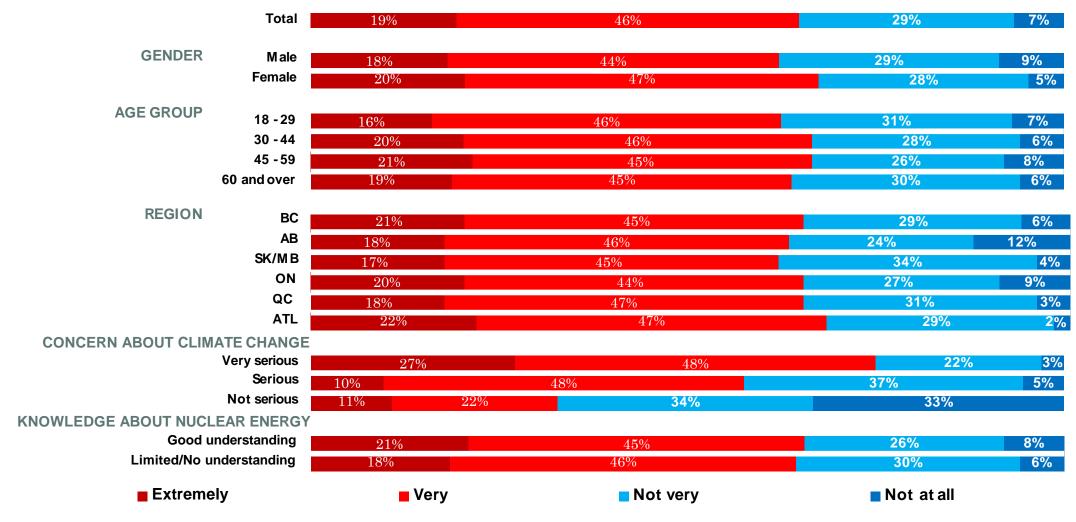


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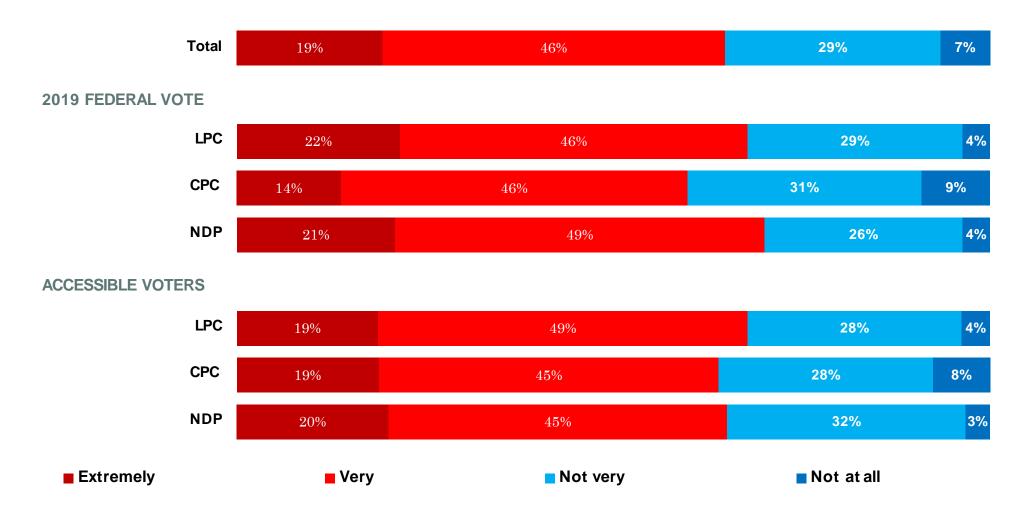


PROSPECT OF HIGHER INSURANCE COSTS DUE TO EXTREME WEATHER PATTERNS

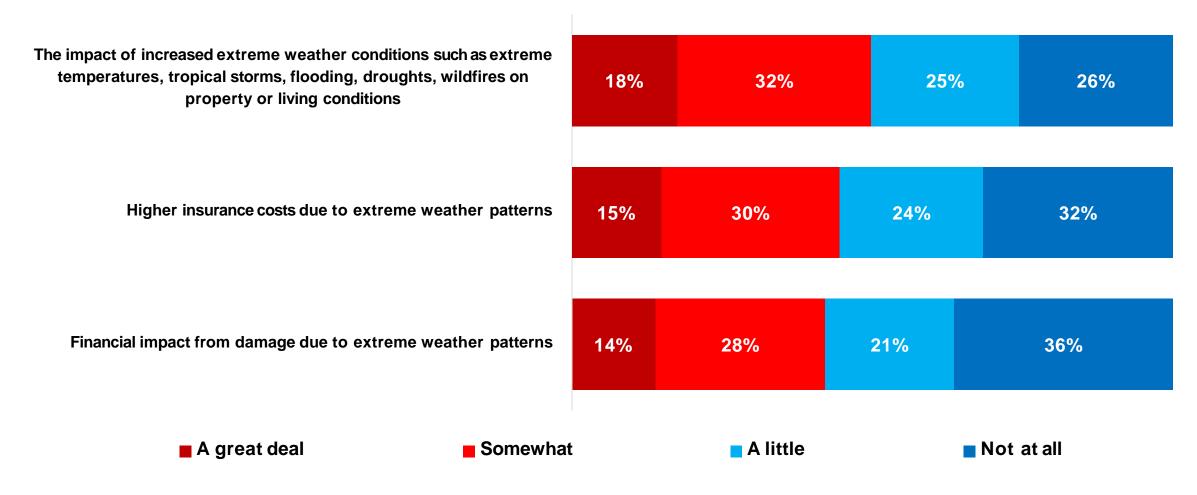




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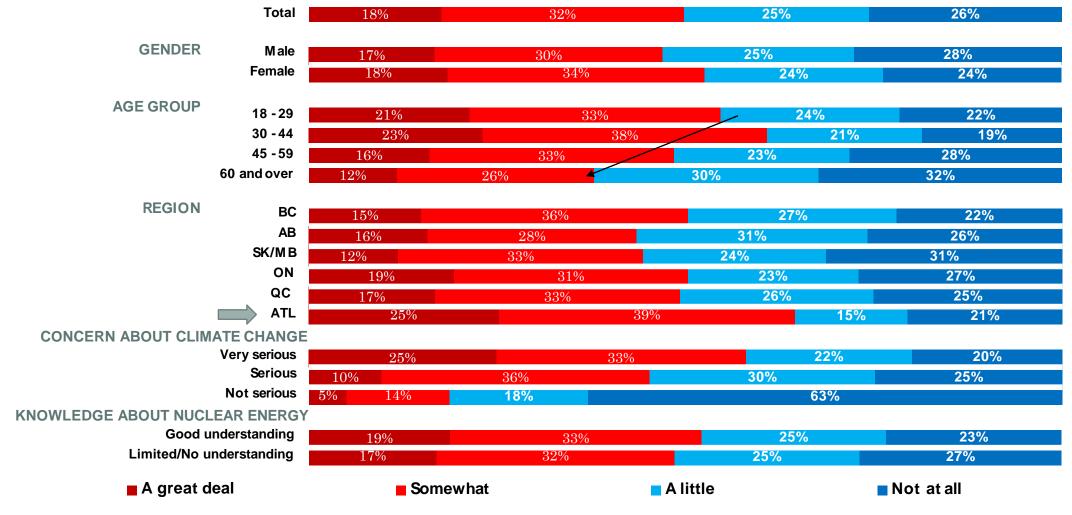






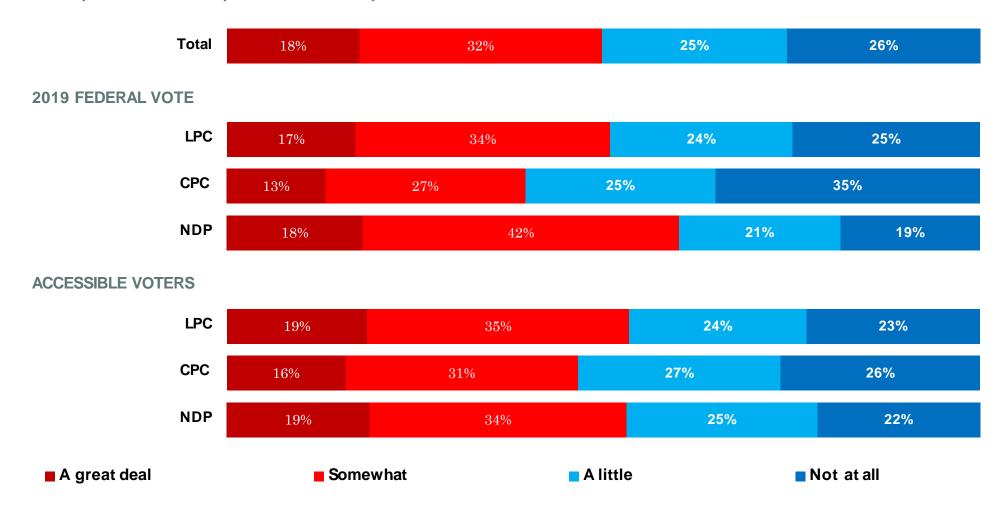


THE IMPACT OF INCREASED EXTREME WEATHER CONDITIONS SUCH AS EXTREME TEMPERATURES, TROPICAL STORMS, FLOODING, DROUGHTS, WILDFIRES ON PROPERTY OR LIVING CONDITIONS



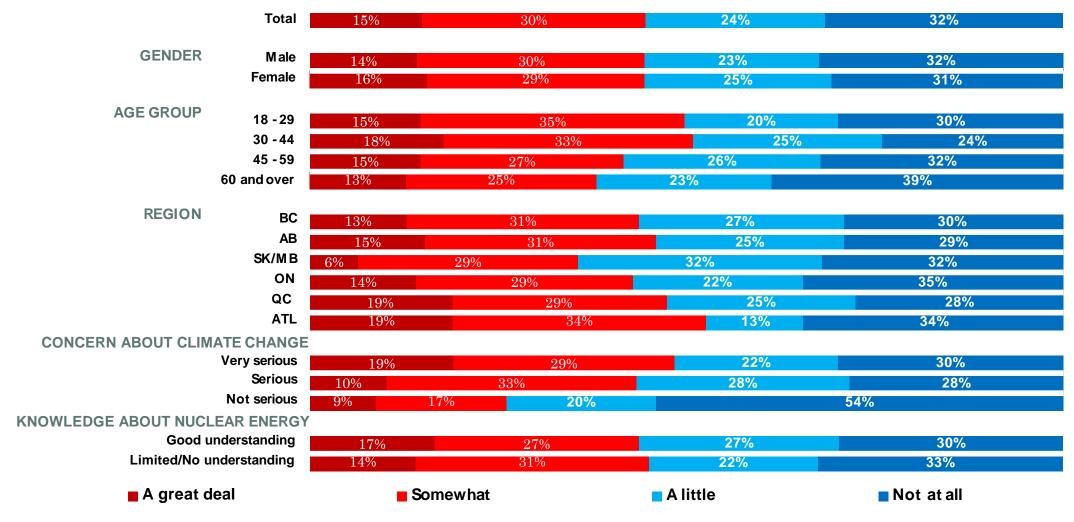


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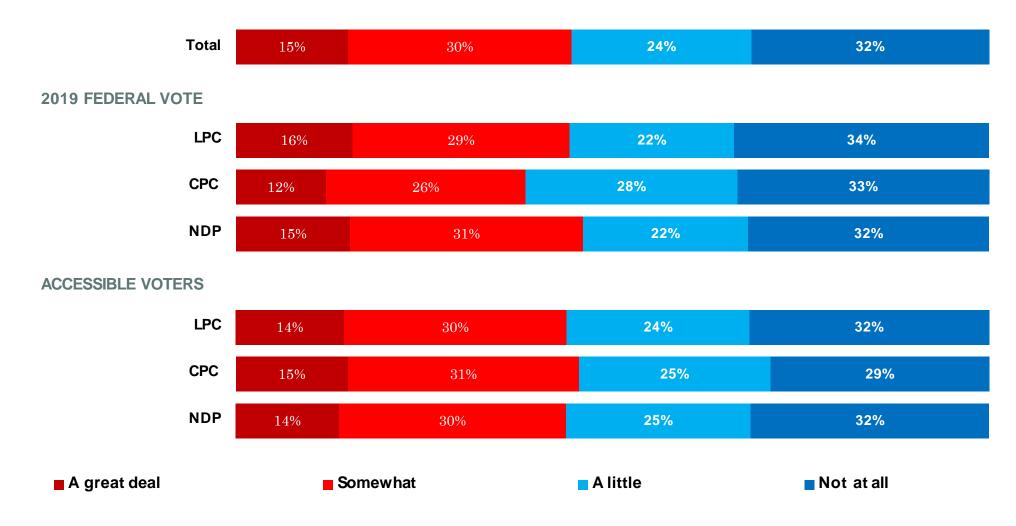


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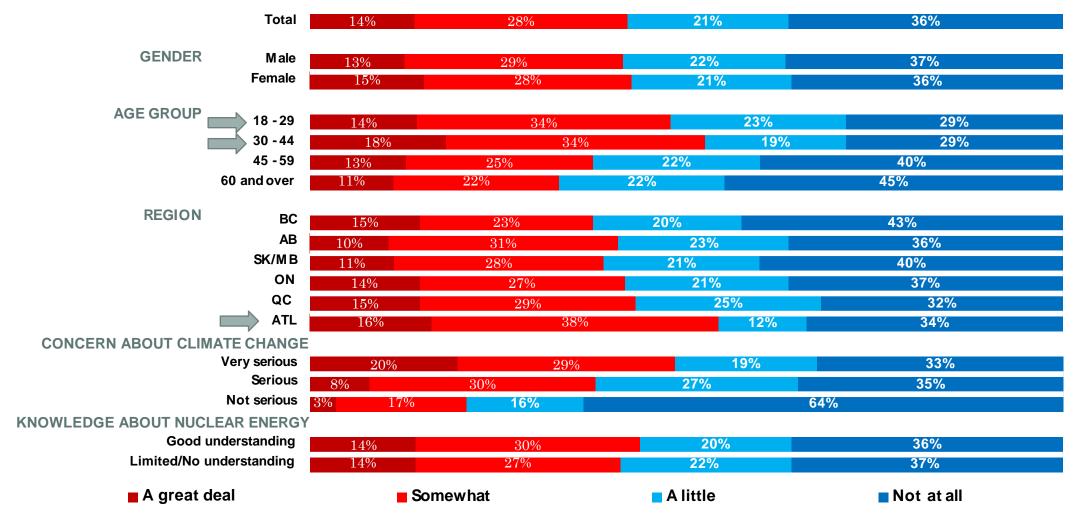


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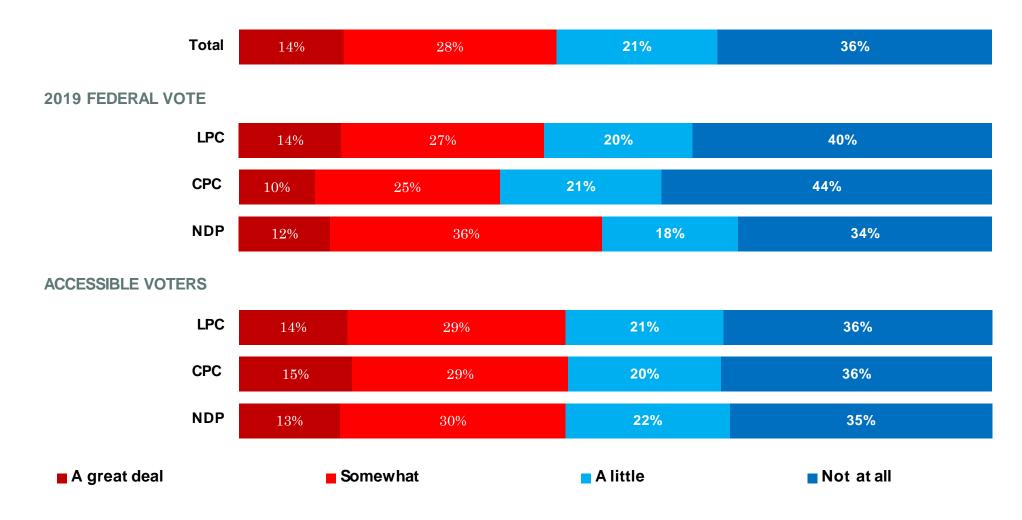


FINANCIAL IMPACT FROM DAMAGE DUE TO EXTREME WEATHER PATTERNS





FINANCIAL IMPACT FROM DAMAGE DUE TO EXTREME WEATHER PATTERNS





II. NUCLEAR-POWERED ENERGY

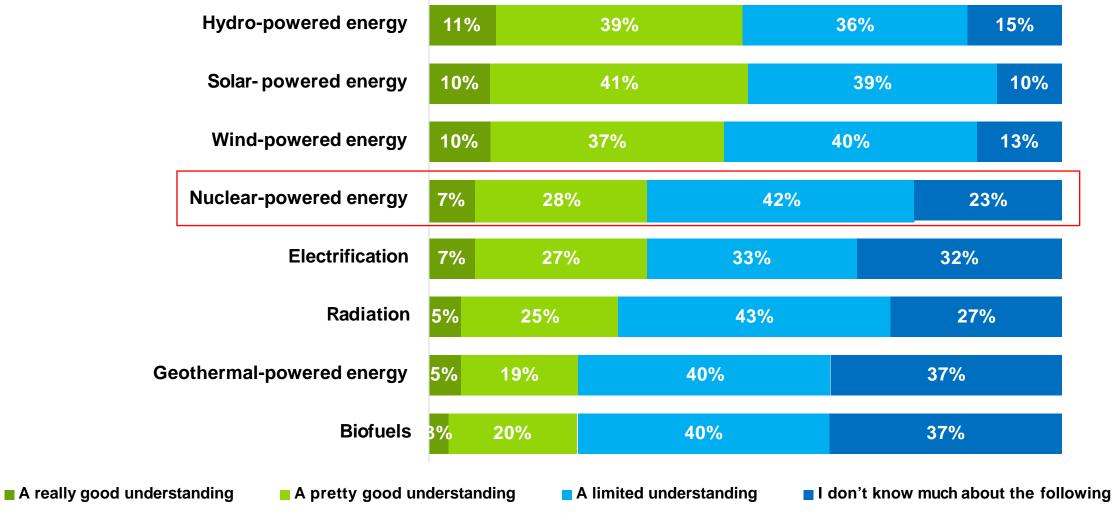
ABACUS DATA

KEY FINDINGS

- 35% believe that they have at least a pretty good understanding on nuclear-powered energy—another 23% don't know very much about it—awareness is higher among men.
 - Of those who have some understanding of nuclear-powered energy, half report that their knowledge comes from what they remember reading or hearing about it many years ago.
- 7 in 10 (68%) were unaware that nuclear power is the second-largest source of low-carbon electricity. Knowing this, 55% are at least open to supporting using more nuclear energy technologies to generate electricity in Canada CPC voters are more likely to support this initiative than other parties and 35% would like to learn more before forming an opinion.
 - Awareness is higher among men and those who already have a good understanding of nuclear energy.



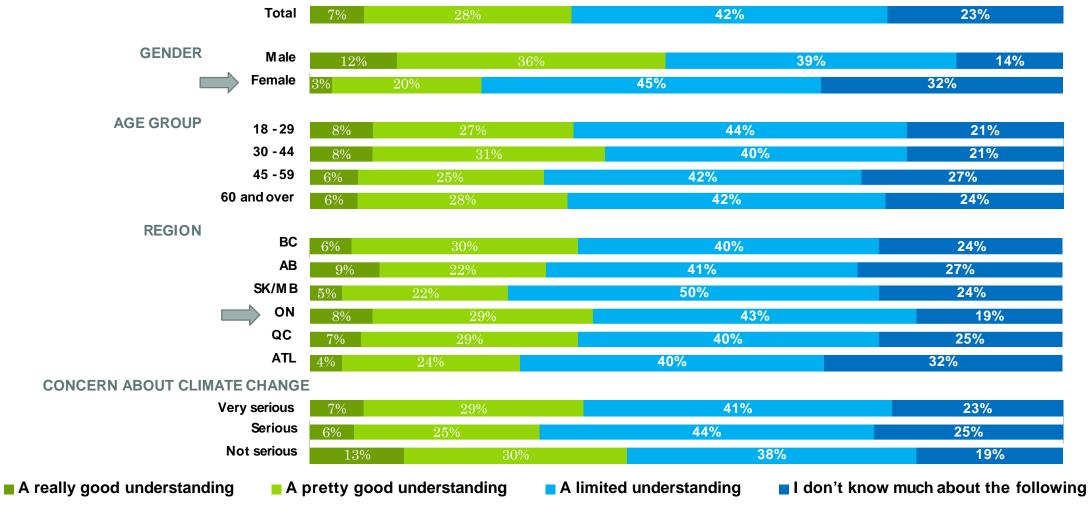
KNOWLEDGE OF ENERGY SOURCES/TERMS





KNOWLEDGE OF ENERGY SOURCES

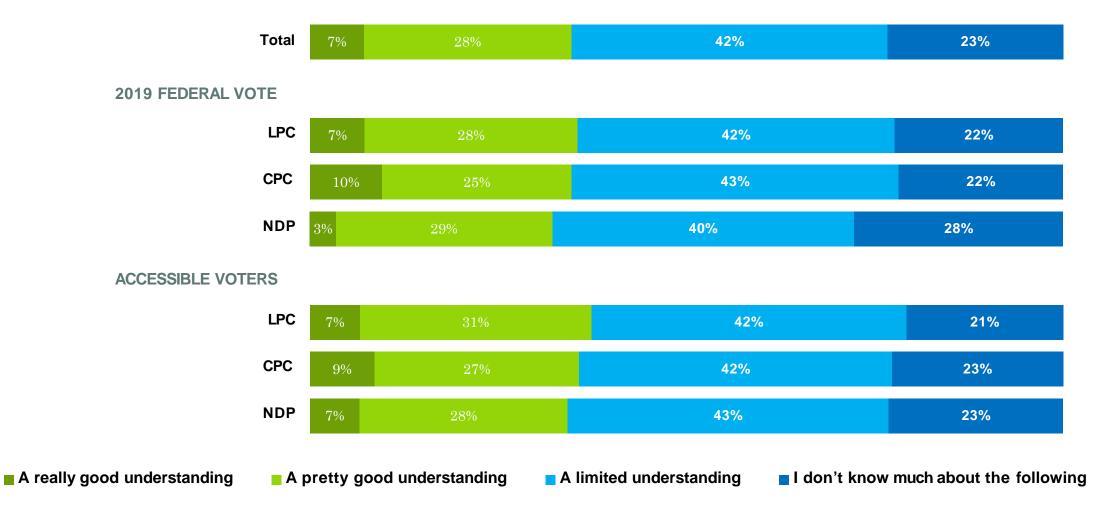
NUCLEAR-POWERED ENERGY





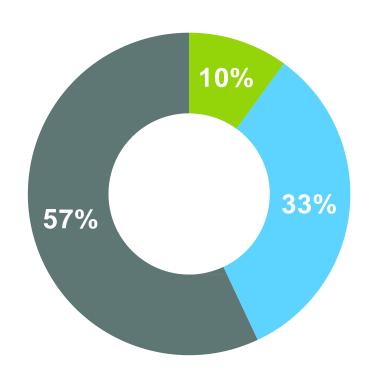
KNOWLEDGE OF ENERGY SOURCES

NUCLEAR-POWERED ENERGY





ONLY 10% HAVE ACTIVELY SOUGHT OUT INFORMATION ABOUT NUCLEAR ENERGY IN THE LAST 12 MONTHS



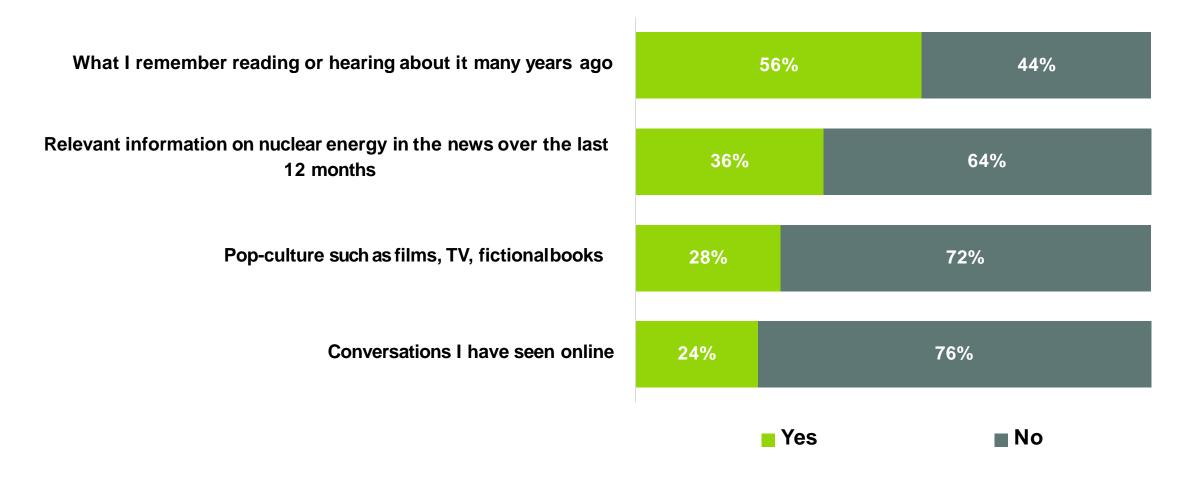
I have sought out information about nuclear energy in the last 12 months

I have not sought out information about nuclear, but I have read, heard, or seen something about it in the last 12 months

■ I have not sought out or read, heard, or seen anything about nuclear energy in the past 12 months

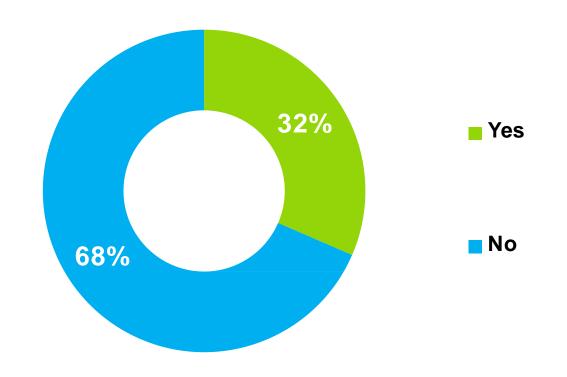


MAIN SOURCES OF LEARNING ABOUT NUCLEAR ENERGY





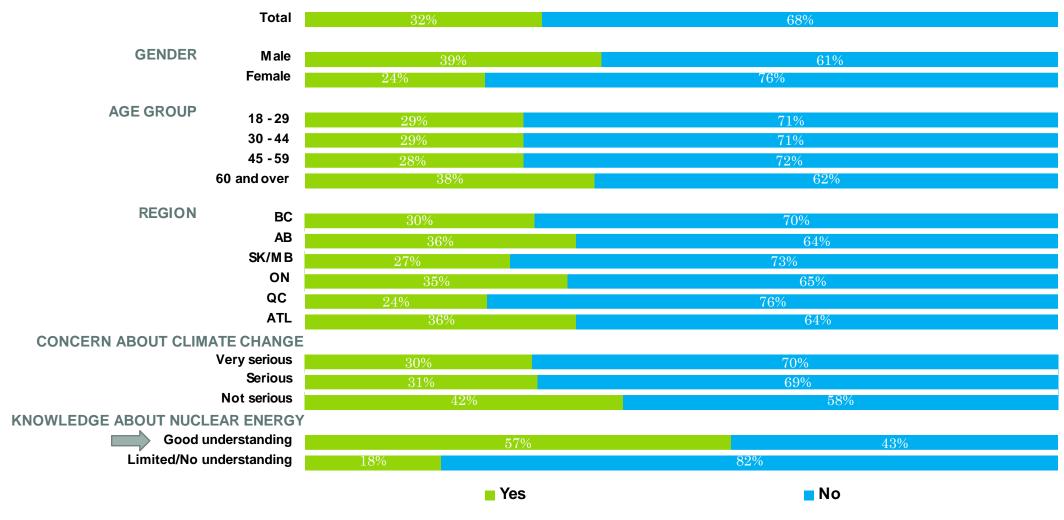
7 IN 10 WERE UNAWARE THAT NUCLEAR POWER IS SECOND-LARGEST SOURCE OF LOW-CARBON ELECTRICITY



68% OF CANADIANS WERE
NOT AWARE THAT NUCLEAR
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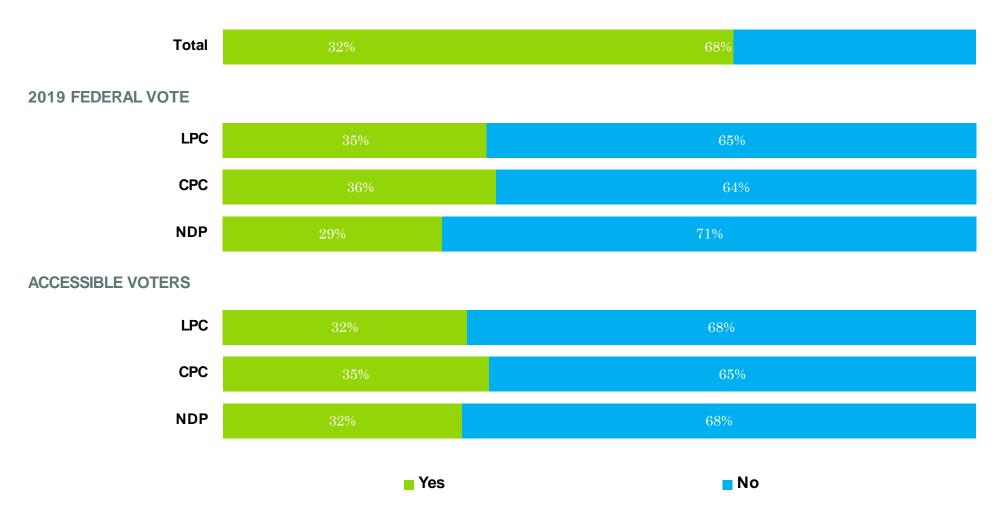


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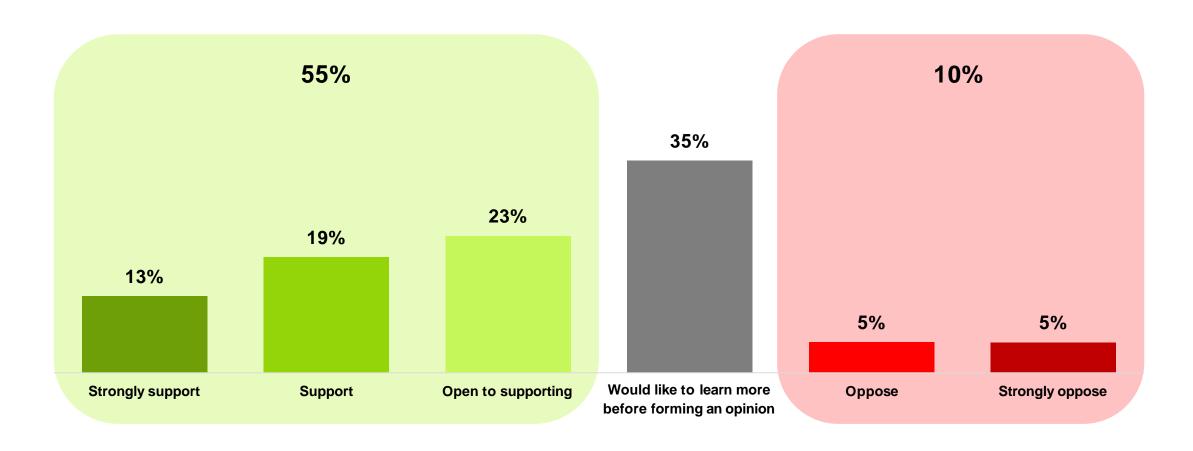


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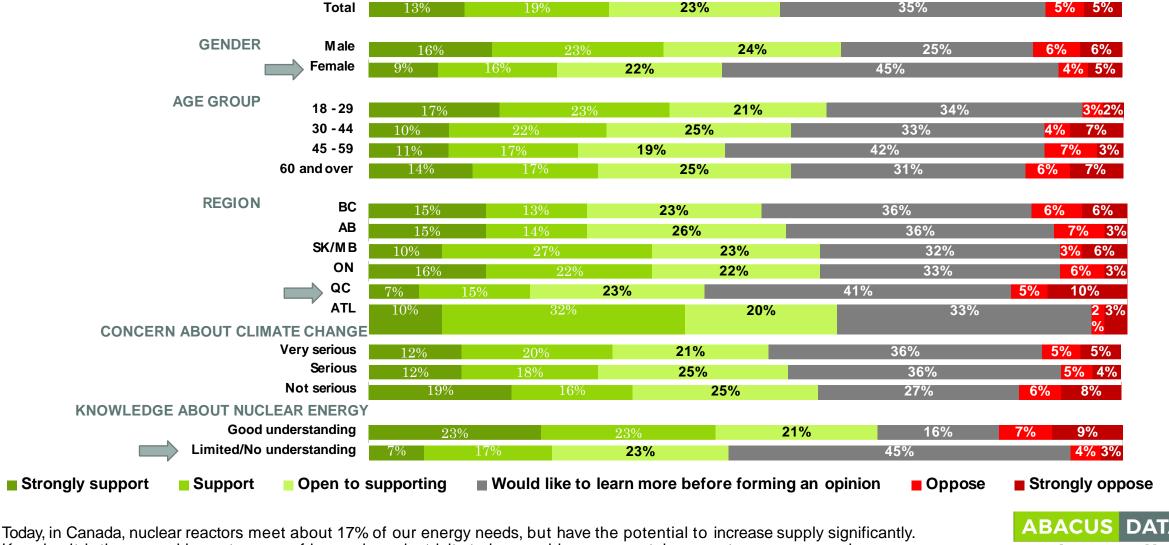
SUPPORT FOR USING MORE NUCLEAR ENERGY TECHNOLOGIES TO GENERATE ELECTRICITY IN CANADA





Today, in Canada, nuclear reactors meet about 17% of our energy needs, but have the potential to increase supply significantly. Knowing it is the second-largest source of low-carbon electricity today, would you support, be open to, or oppose using more nuclear energy technologies to generate electricity in Canada?

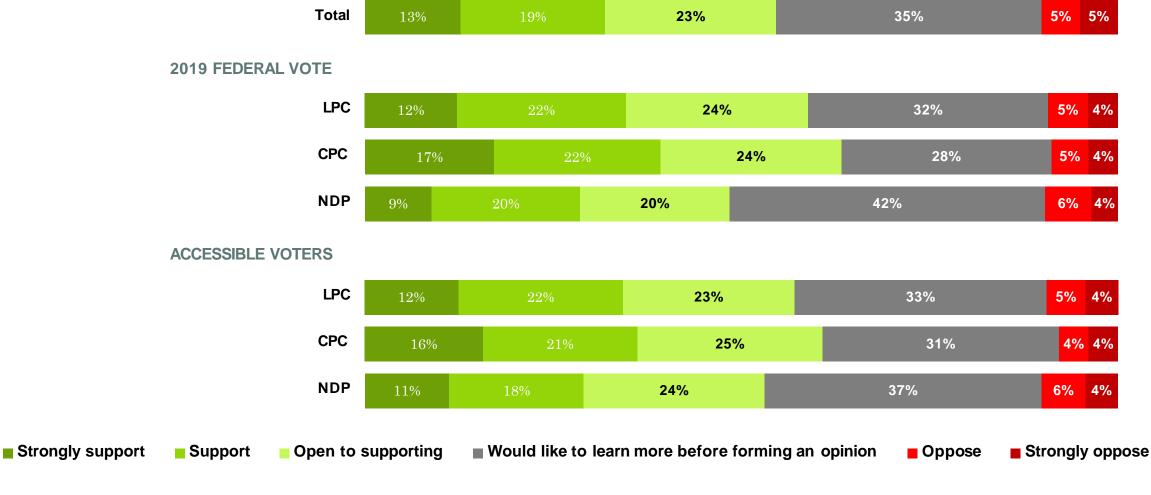
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SUPPORT FOR USING MORE NUCLEAR ENERGY TECHNOLOGIES TO GENERATE ELECTRICITY IN CANADA



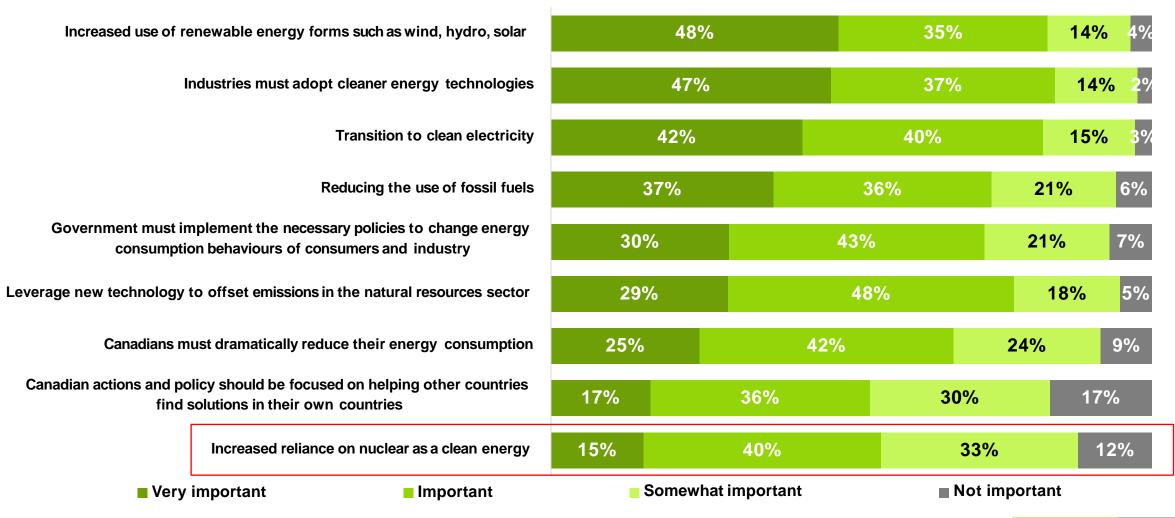


III. CLIMATE CHANGE SOLUTIONS

ABACUS DATA

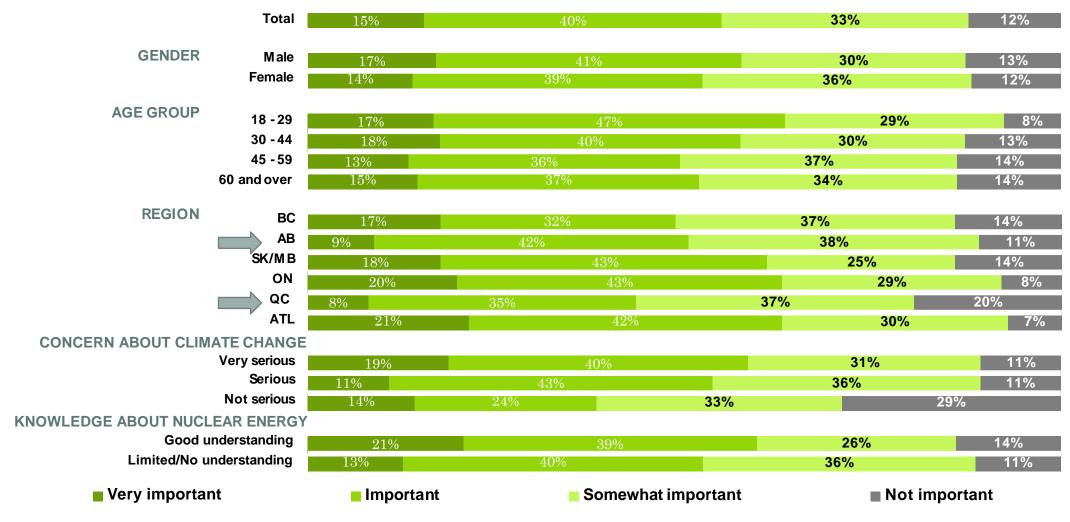
KEY FINDINGS

- Canadians view increased use of renewable energy forms, industries adopting cleaner energy technologies, and a transition to clean electivity as "Very important/Important" as possible solutions to addressing climate change.
 - NDP and LPC voters, and Atlantic Canadians are more likely to find the above solutions importnat,.
- Of all options, Canadians ranked the same 3 solutions to addressing climate change as their top 3 more important solutions the most.



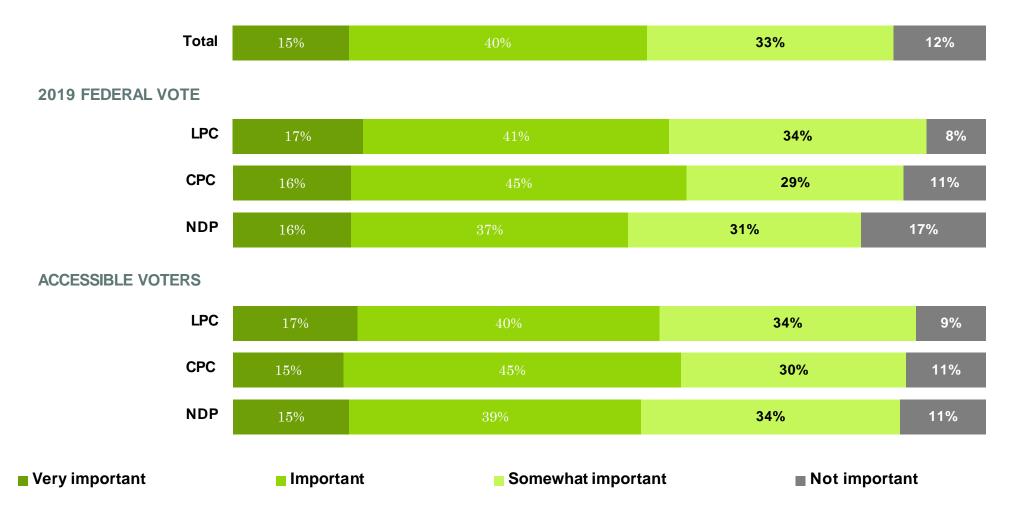


INCREASED RELIANCE ON NUCLEAR AS A CLEAN ENERGY



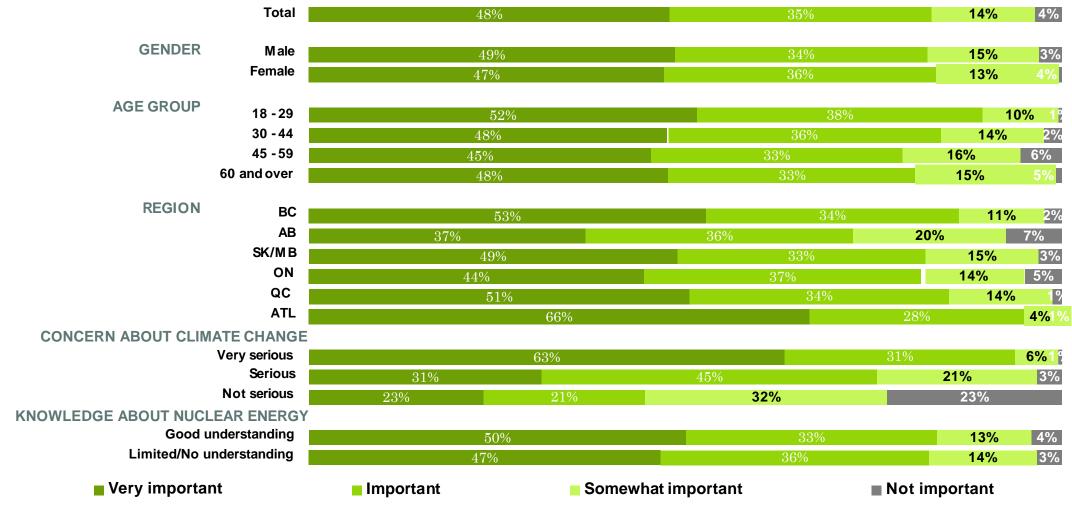


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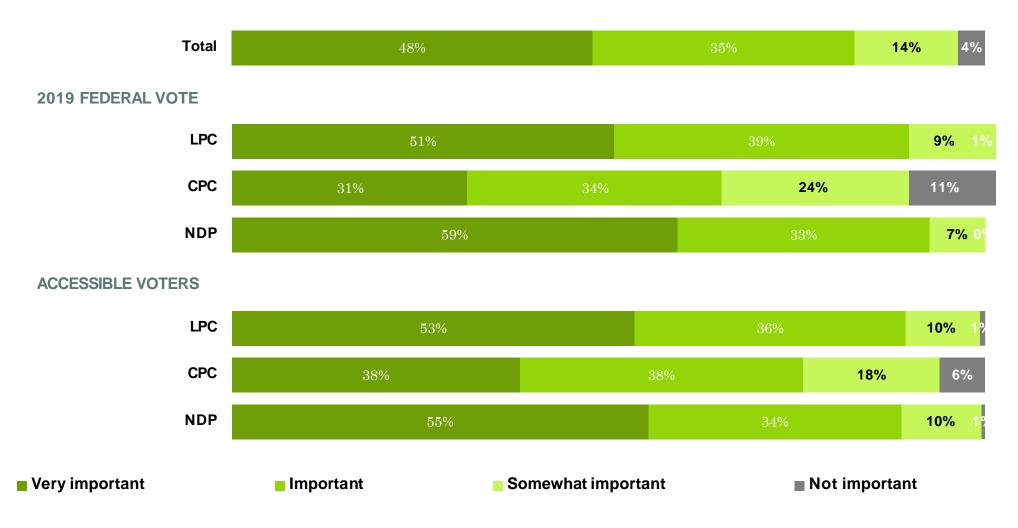


INCREASED USE OF RENEWABLE ENERGY FORMS SUCH AS WIND, HYDRO, SOLAR



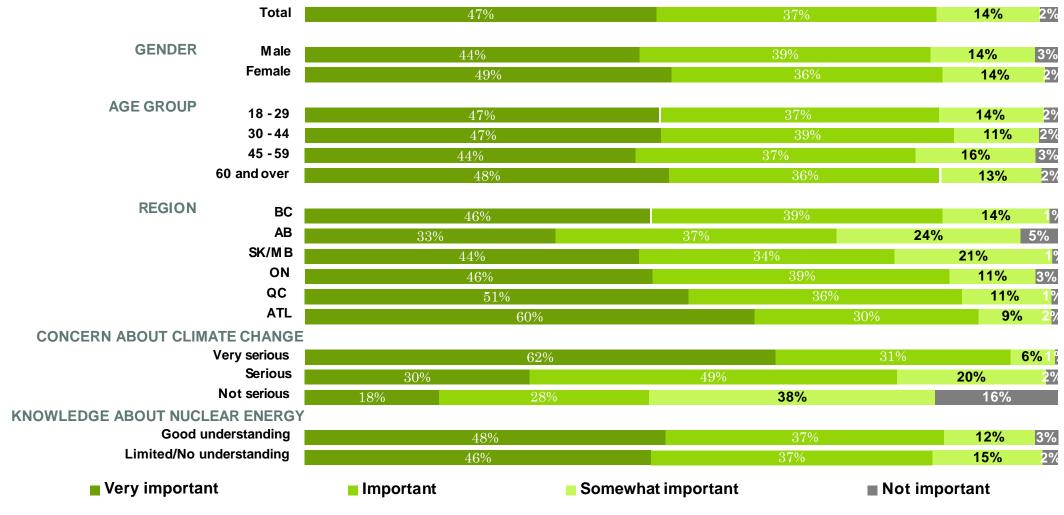


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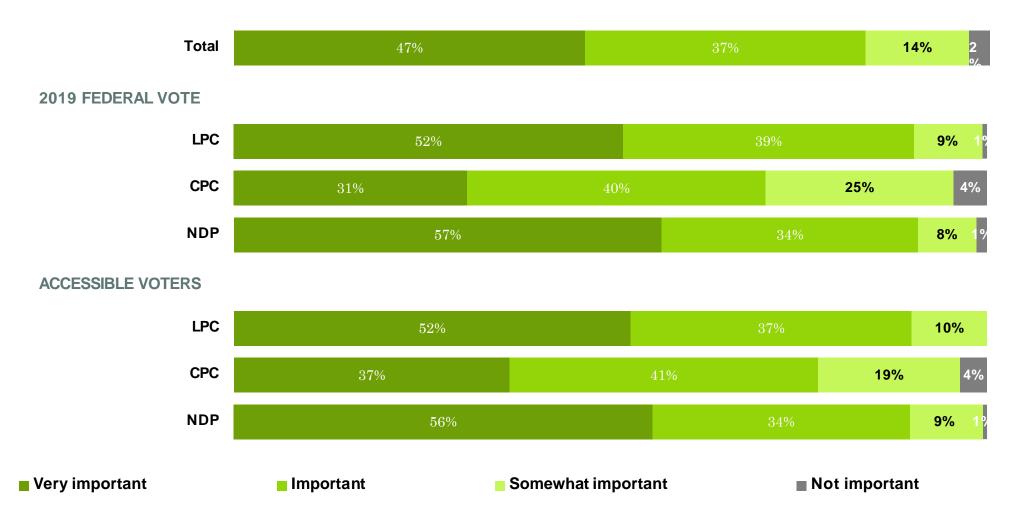


INDUSTRIES MUST ADOPT CLEANER ENERGY TECHNOLOGIES



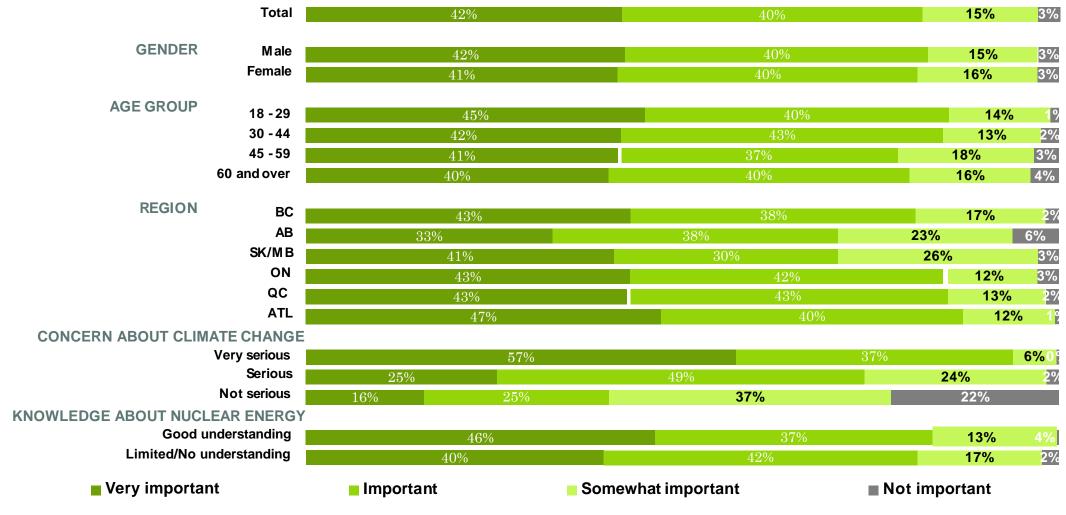


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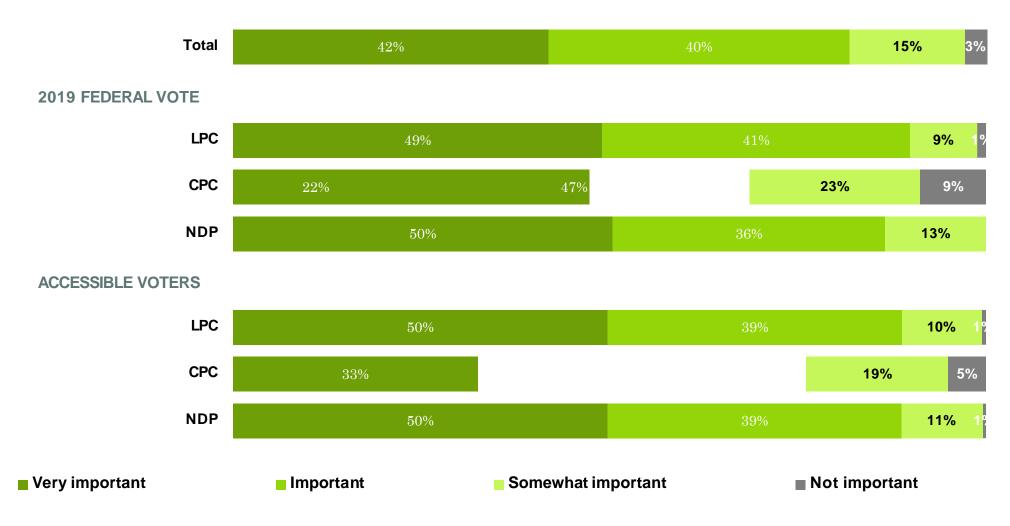


TRANSITION TO CLEAN ELECTRICITY



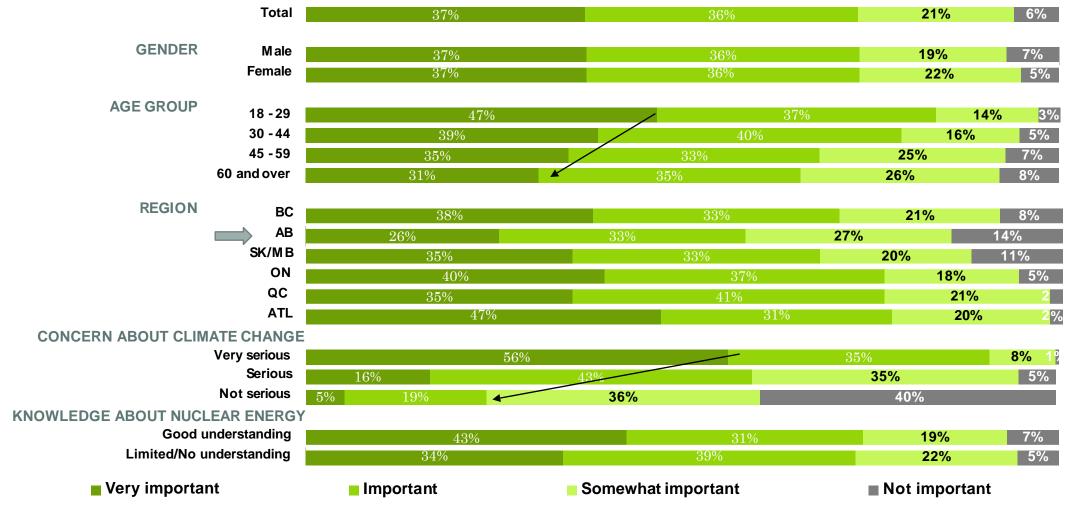


TRANSITION TO CLEAN ELECTRICITY



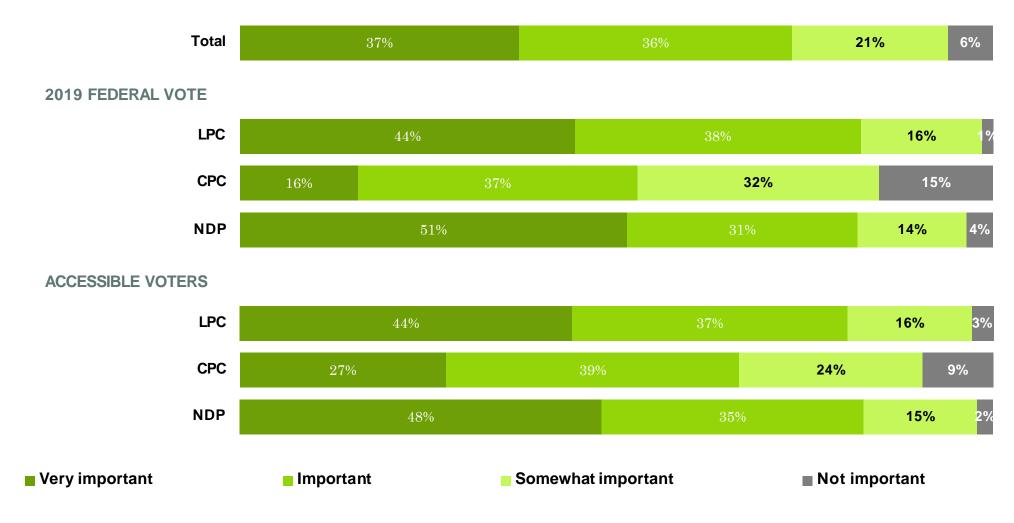


REDUCING THE USE OF FOSSIL FUELS



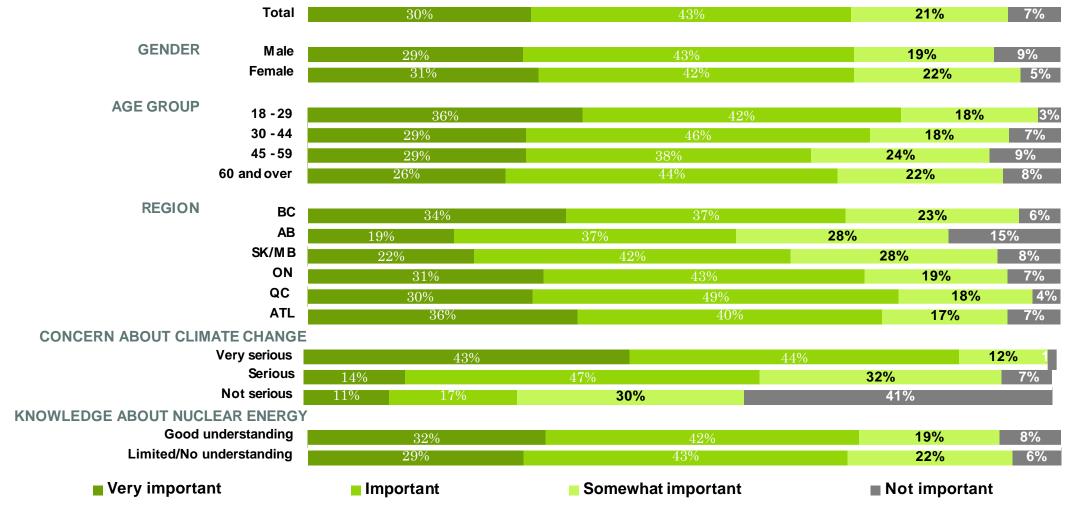


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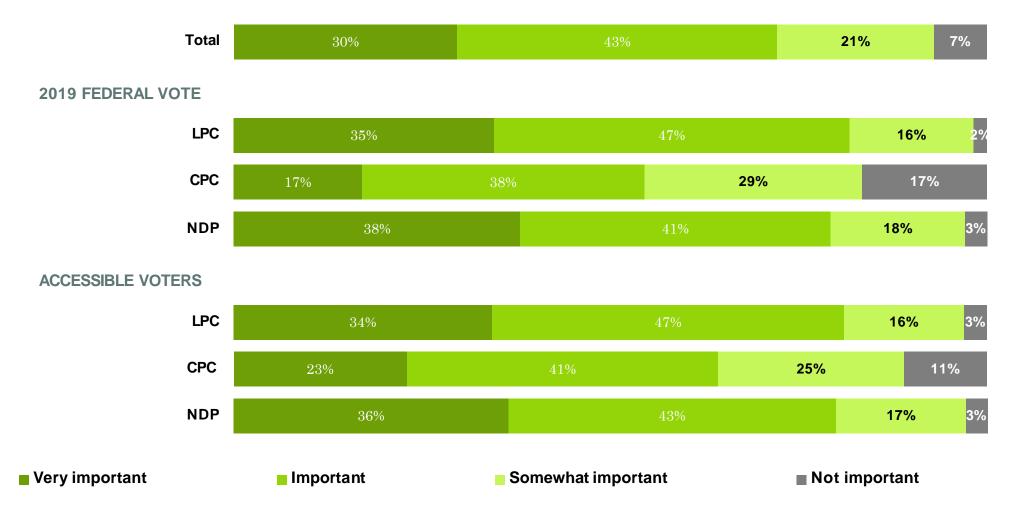


GOVERNMENT MUST IMPLEMENT THE NECESSARY POLICIES TO CHANGE ENERGY CONSUMPTION BEHAVIOURS OF CONSUMERS AND INDUSTRY



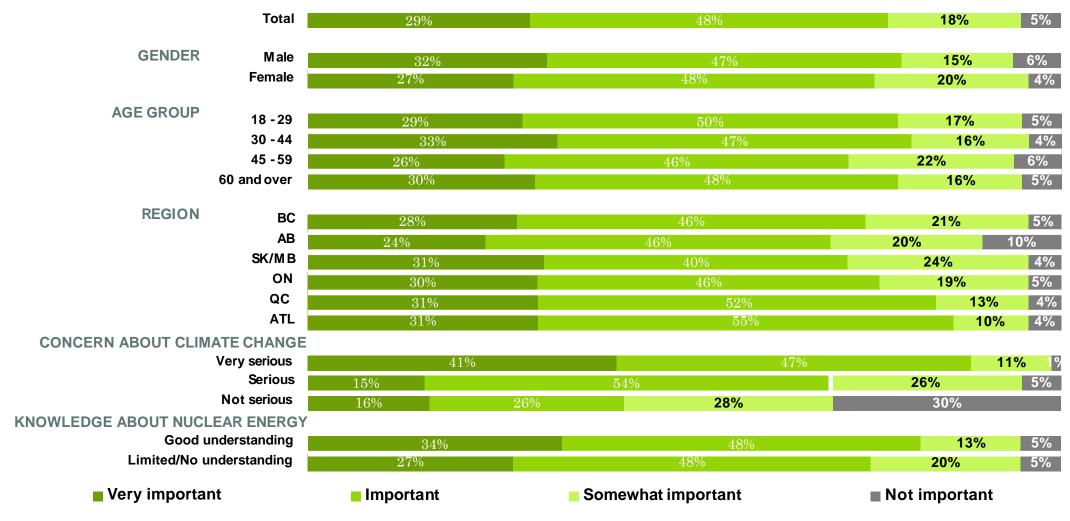


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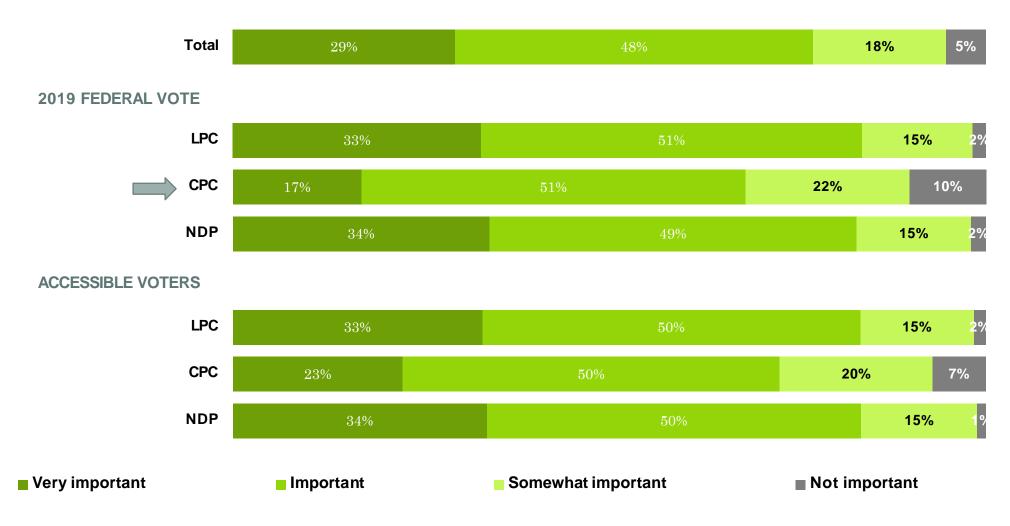


LEVERAGE NEW TECHNOLOGY TO OFFSET EMISSIONS IN THE NATURAL RESOURCES SECTOR



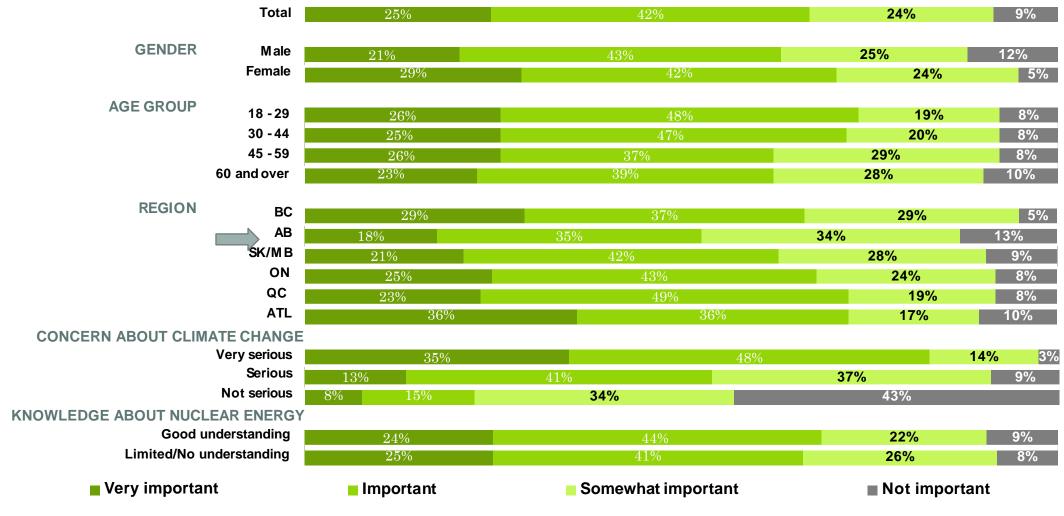


LEVERAGE NEW TECHNOLOGY TO OFFSET EMISSIONS IN THE NATURAL RESOURCES SECTOR



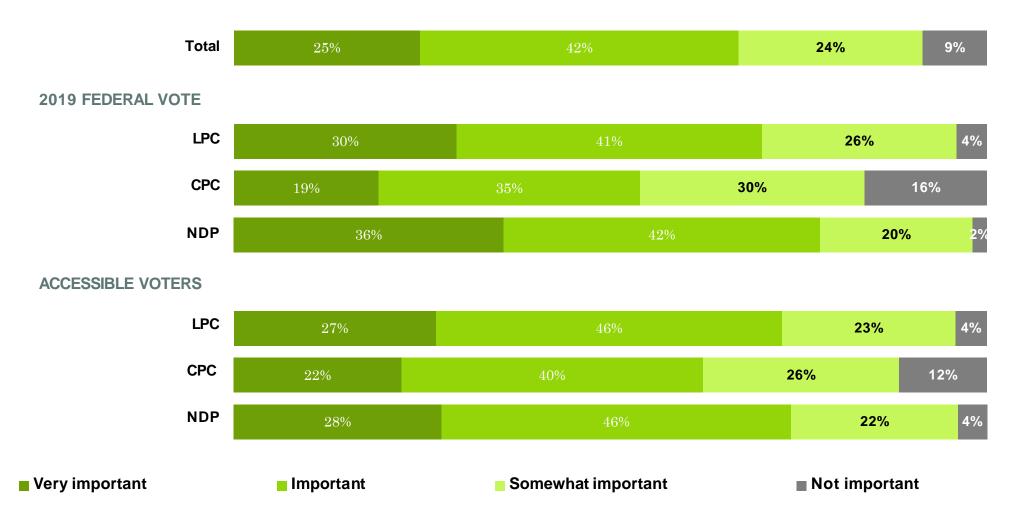


CANADIANS MUST DRAMATICALLY REDUCE THEIR ENERGY CONSUMPTION



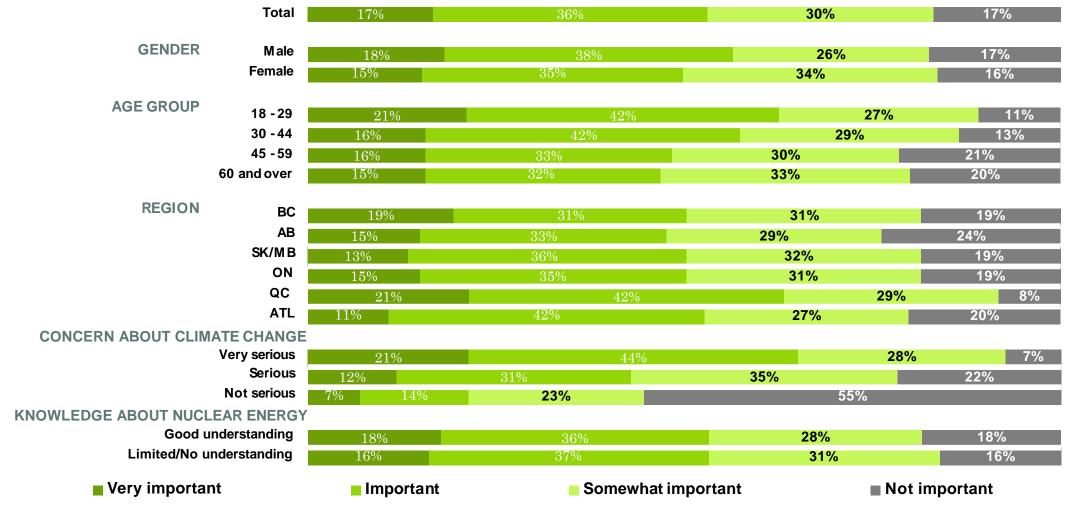


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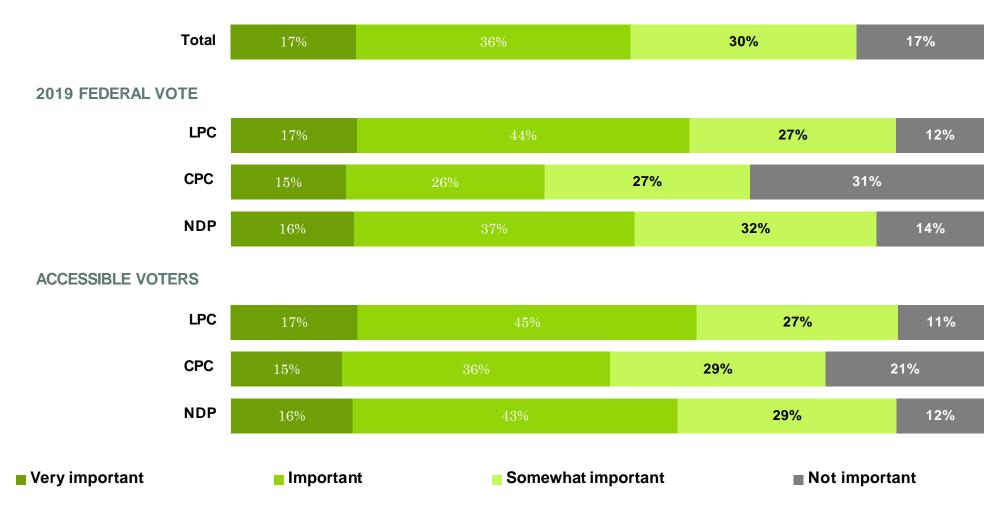


CANADIAN ACTIONS AND POLICY SHOULD BE FOCUSED ON HELPING OTHER COUNTRIES FIND SOLUTIONS IN THEIR OWN COUNTRIES

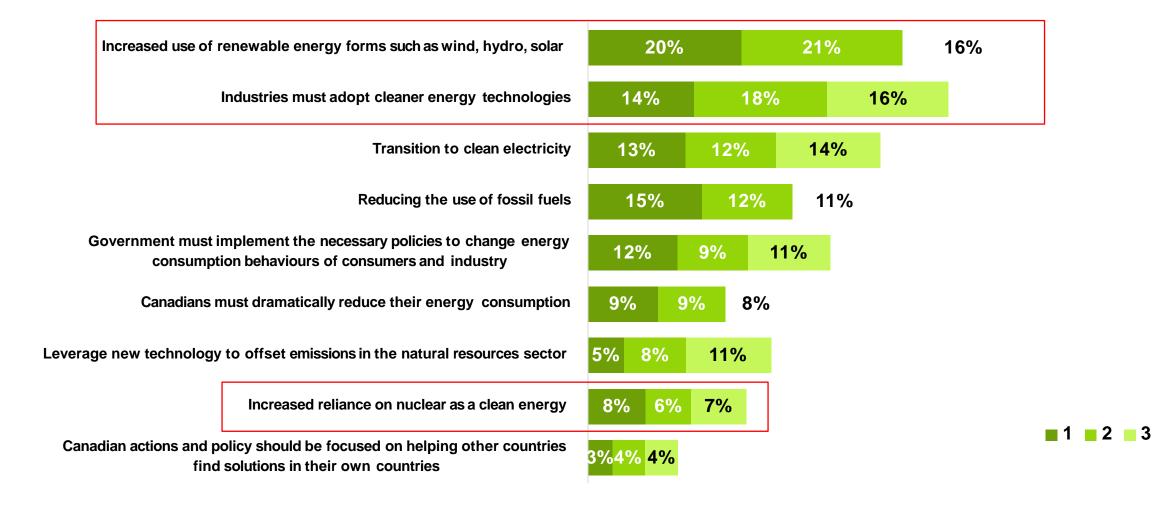




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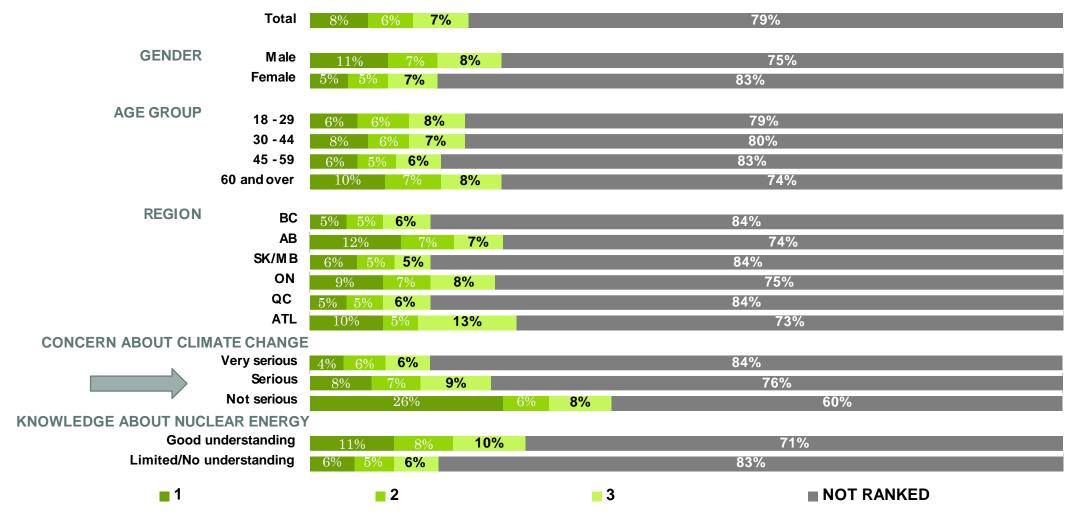






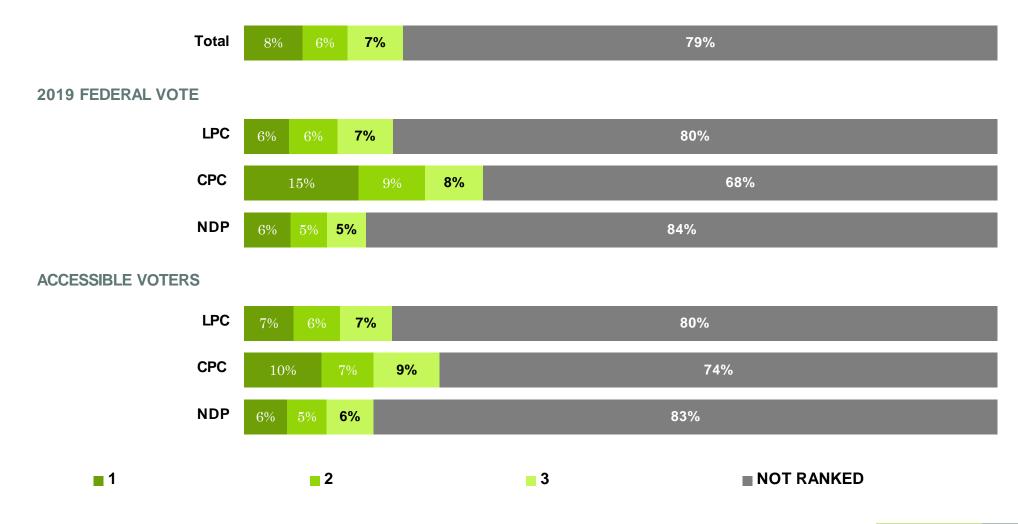


INCREASED RELIANCE ON NUCLEAR AS A CLEAN ENERGY



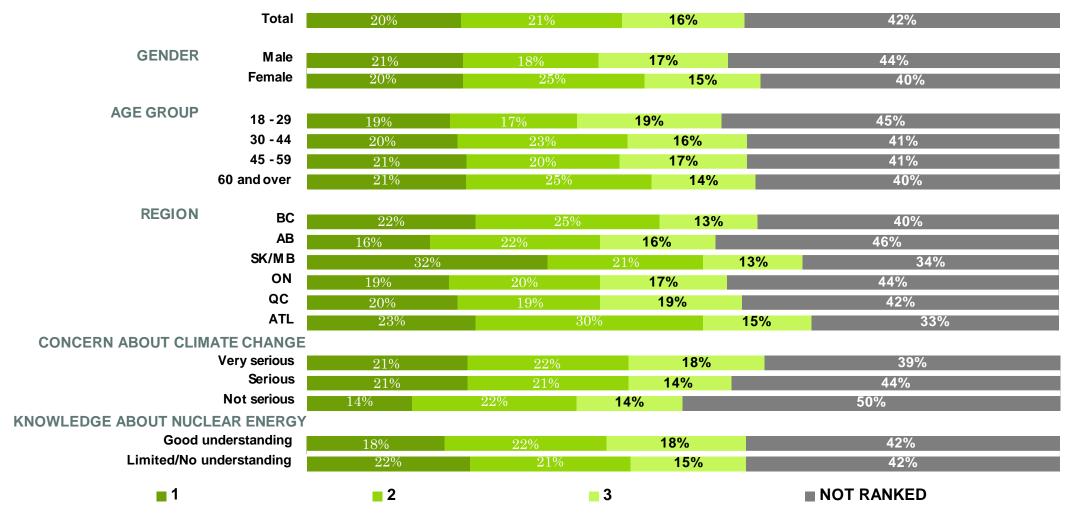


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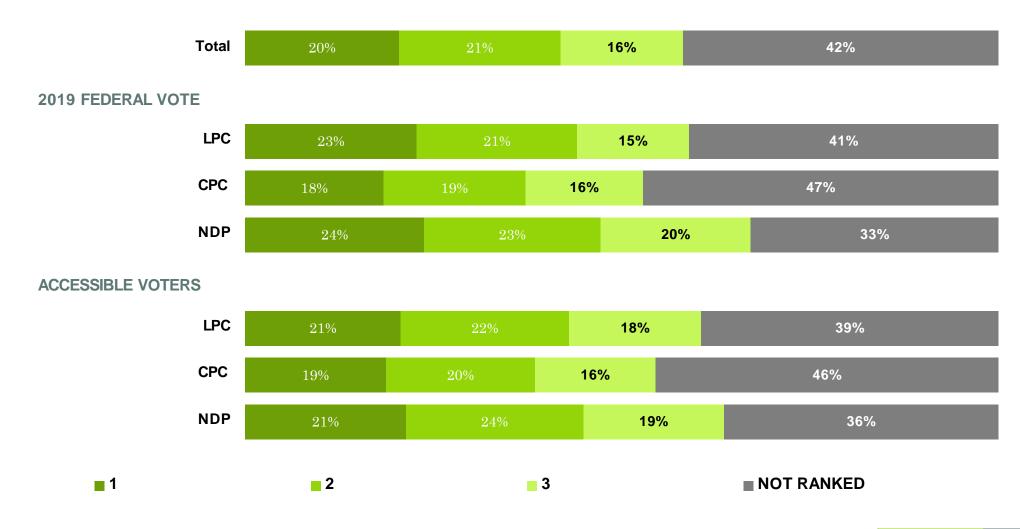


INCREASED USE OF RENEWABLE ENERGY FORMS SUCH AS WIND, HYDRO, SOLAR



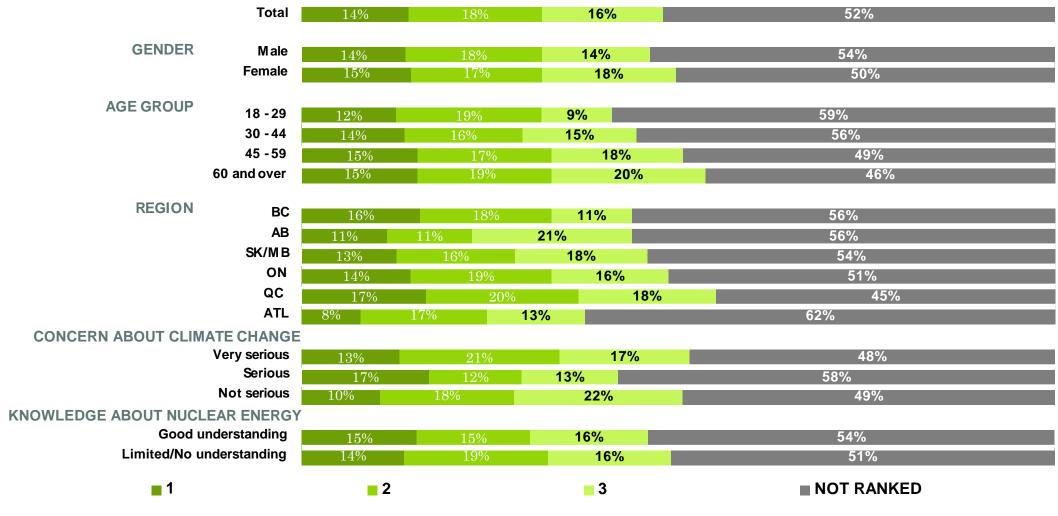


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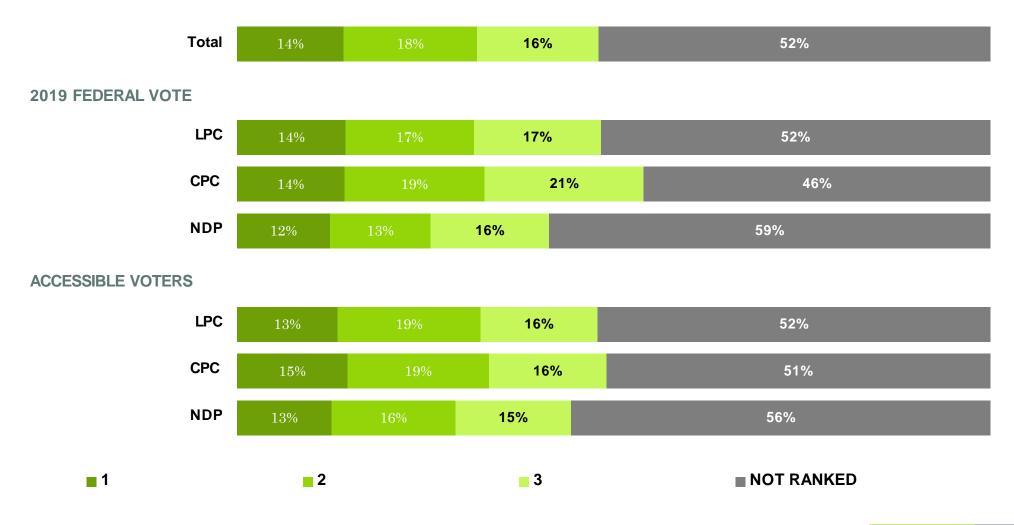


INDUSTRIES MUST ADOPT CLEANER ENERGY TECHNOLOGIES



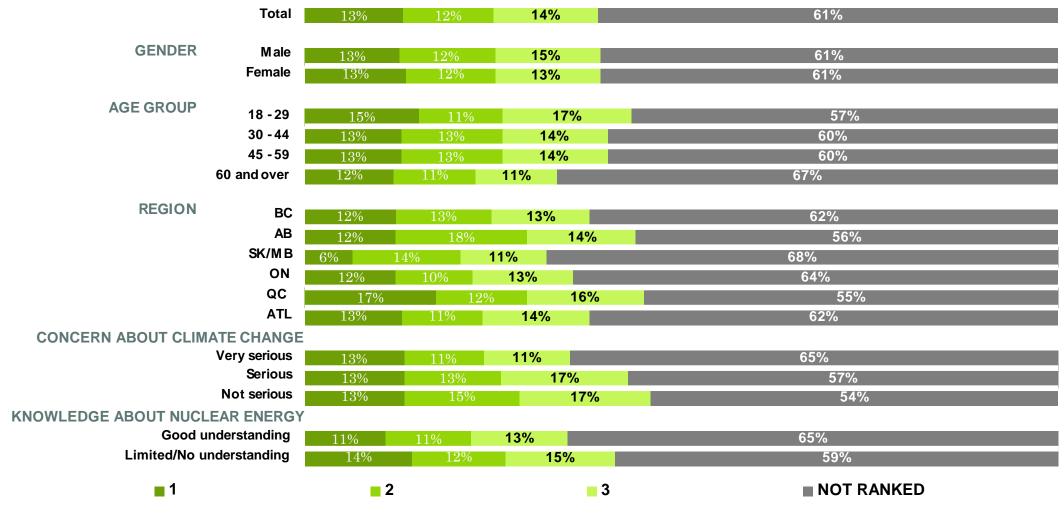


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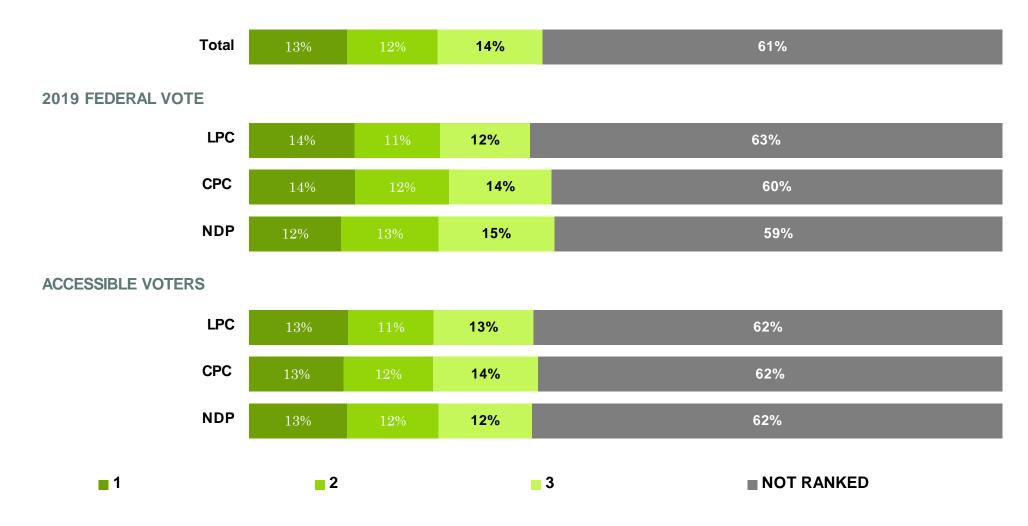


TRANSITION TO CLEAN ELECTRICITY



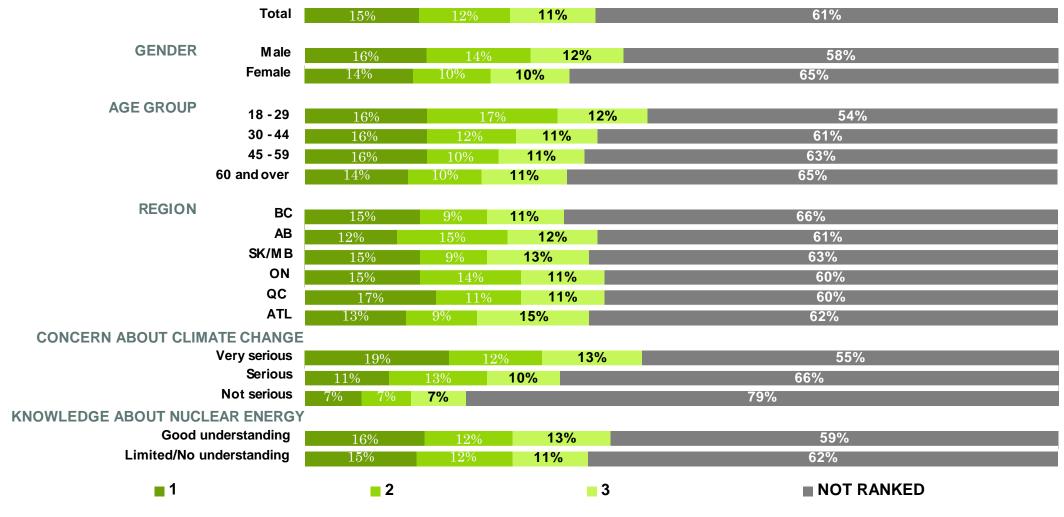


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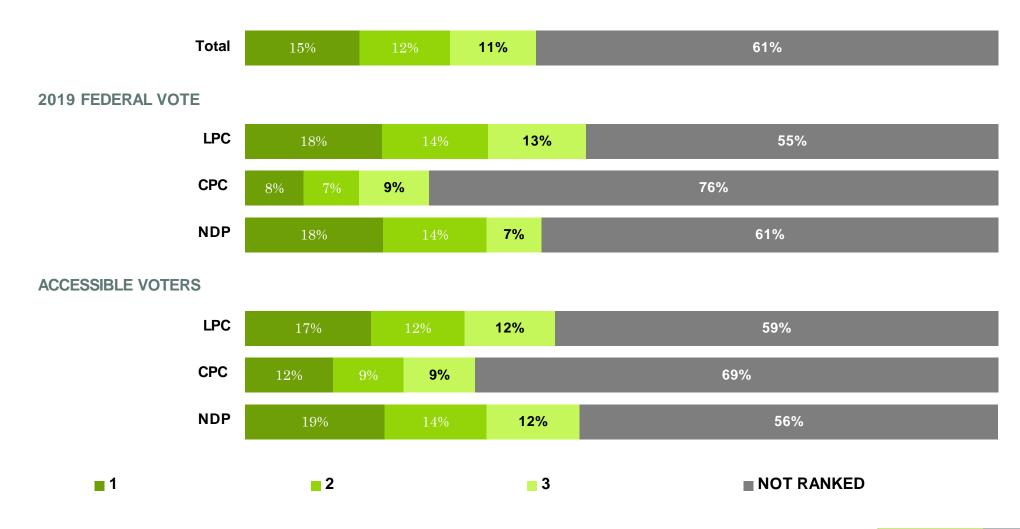


REDUCING THE USE OF FOSSIL FUELS



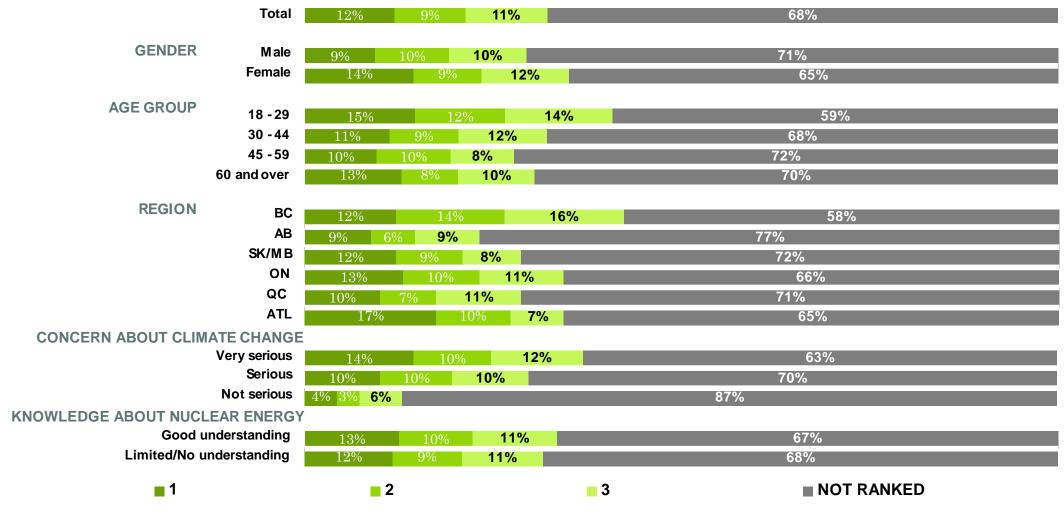


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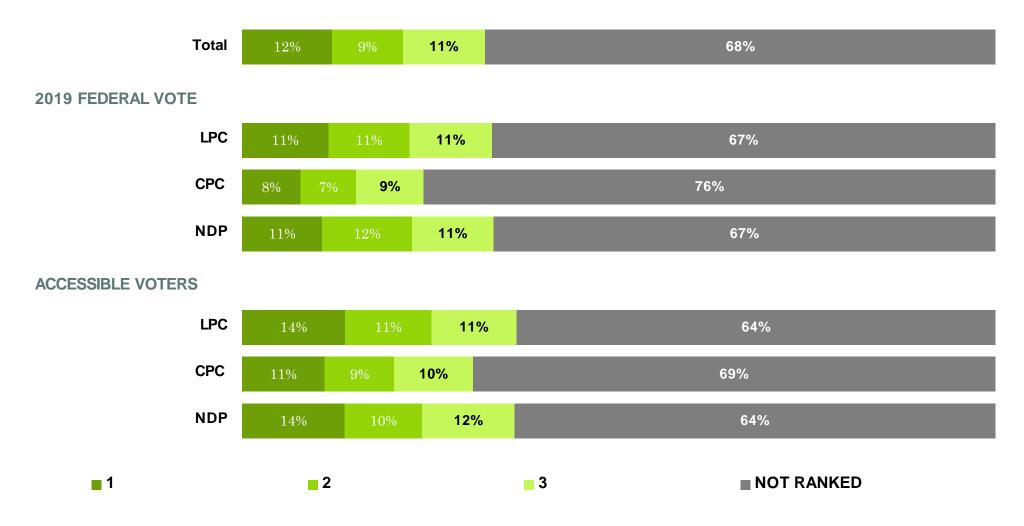


GOVERNMENT MUST IMPLEMENT THE NECESSARY POLICIES TO CHANGE ENERGY CONSUMPTION BEHAVIOURS OF CONSUMERS AND INDUSTRY



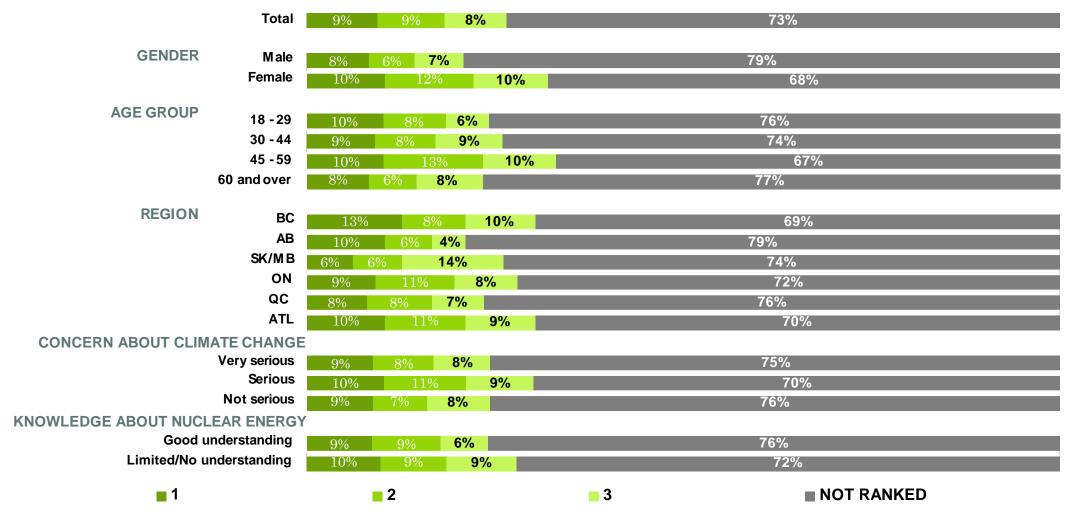


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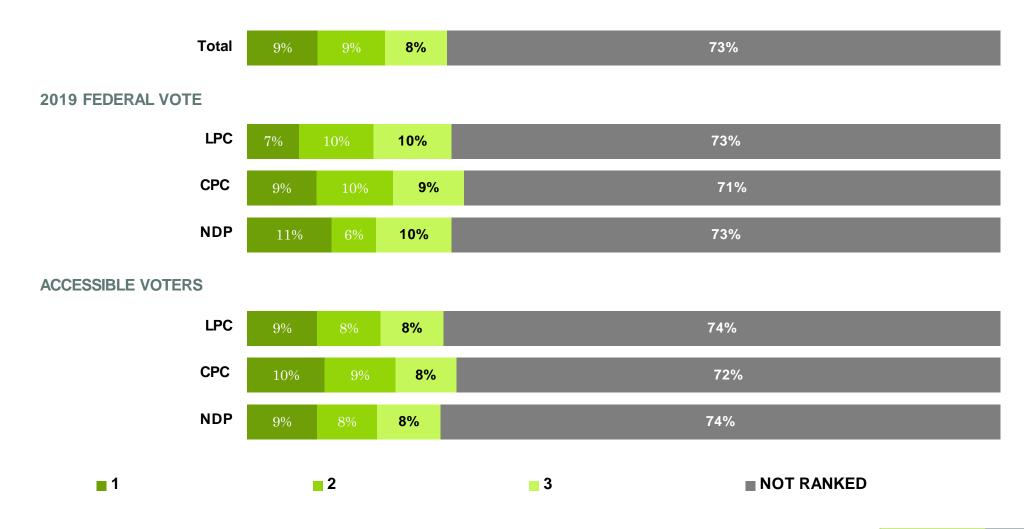


CANADIANS MUST DRAMATICALLY REDUCE THEIR ENERGY CONSUMPTION



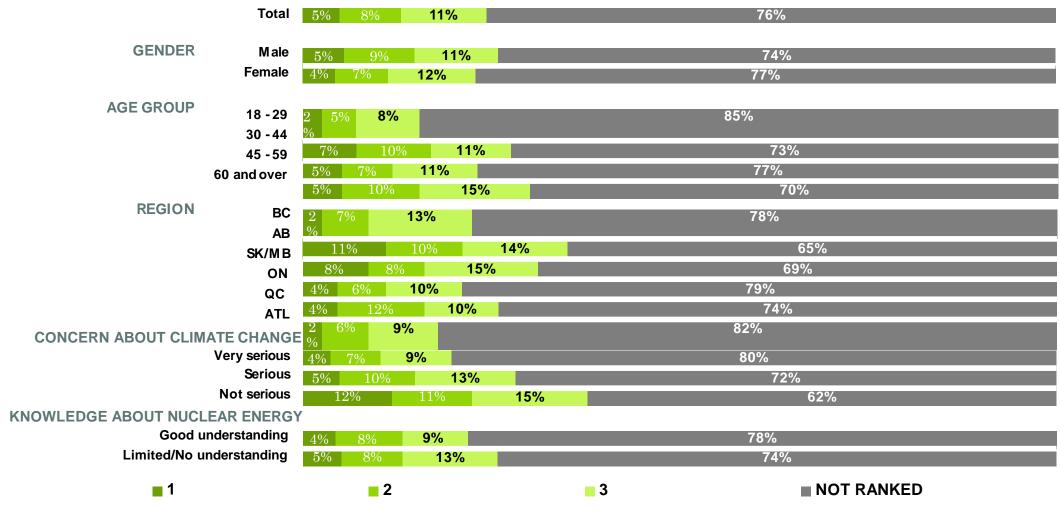


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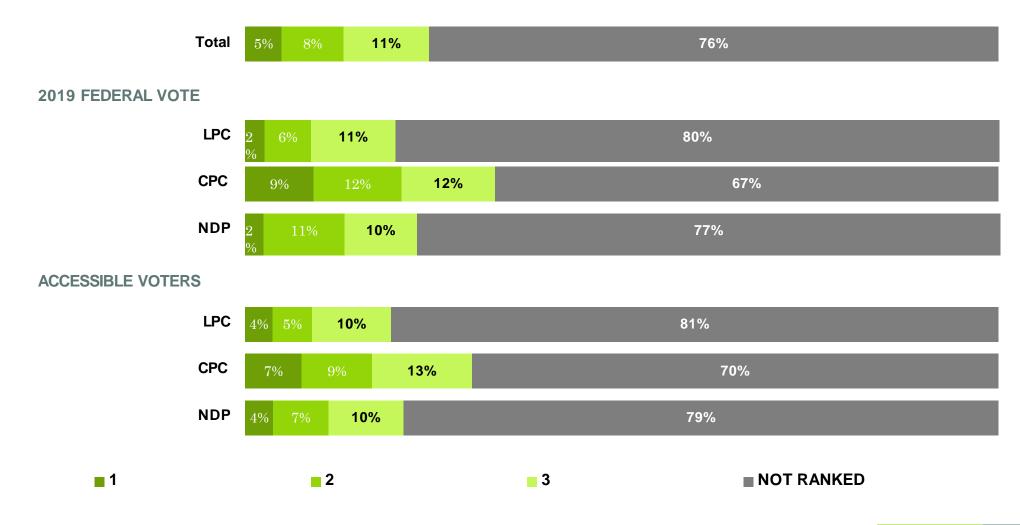


LEVERAGE NEW TECHNOLOGY TO OFFSET EMISSIONS IN THE NATURAL RESOURCES SECTOR



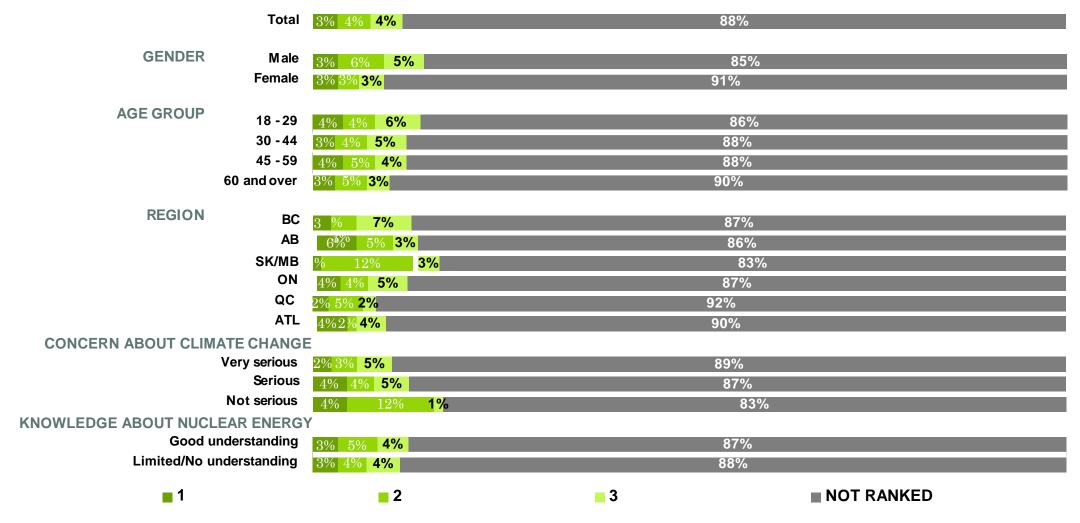


LEVERAGE NEW TECHNOLOGY TO OFFSET EMISSIONS IN THE NATURAL RESOURCES SECTOR



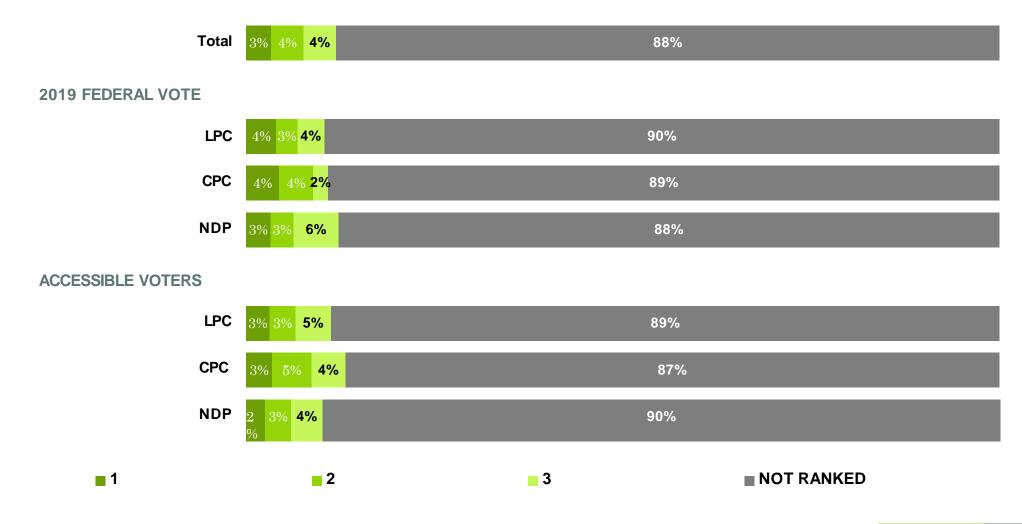


CANADIAN ACTIONS AND POLICY SHOULD BE FOCUSED ON HELPING OTHER COUNTRIES FIND SOLUTIONS IN THEIR OWN COUNTRIES





CANADIAN ACTIONS AND POLICY SHOULD BE FOCUSED ON HELPING OTHER COUNTRIES FIND SOLUTIONS IN THEIR OWN COUNTRIES





IV. CLIMATE CHANGE TARGETS

ABACUS DATA

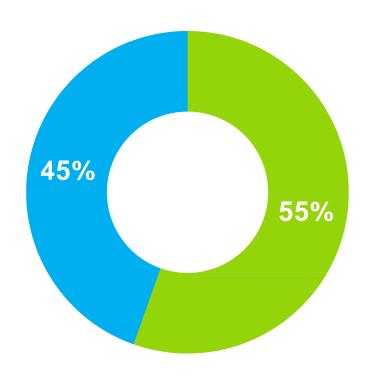
THE GOVERNMENT OF CANADA HAS OUTLINED CANADA'S GOAL TO REDUCE GREENHOUSE GAS EMISSIONS, WHICH CAUSE CLIMATE CHANGE, TO 30 PER CENT BELOW 2005 LEVELS BY 2050 (IN 30 YEARS).

KEY FINDINGS

- After outlining Canada's goal to reduce GHG emissions to 30% below 2005 by 2050, Canadians deem the following as the most likely scenarios – LPC voters much more likely to support the following:
 - 1. Canadians will reduce their individual energy consumption to enable us to meet these targets (55%).
 - 2. Canada will reduce the amount of fossil fuels (oil and gas) we use and transition to more reliance on clean energy sources to meet these targets such as nuclear, hydro and renewables (65%).
 - 3. Governments in Canada will create and enforce policies on industries and consumers to ensure we meet these targets (69%).
- About half (56%) feel "somewhat confident" that Canada will be able to meet these targets.
- 9 in 10 (89%) feel that is it at least "important" that Canada reaches the goals set out.
- 85% of Canadians say that they believe the Canadian government should invest in clean energy technology to help fight climate change.
- NDP and LPC voters, and younger cohorts are more inclined to find meeting these targets as important, as well as the Canadian government investing in clean energy technology.



CNDS REDUCING ENERGY CONSUMPTION TO MEET TARGETS

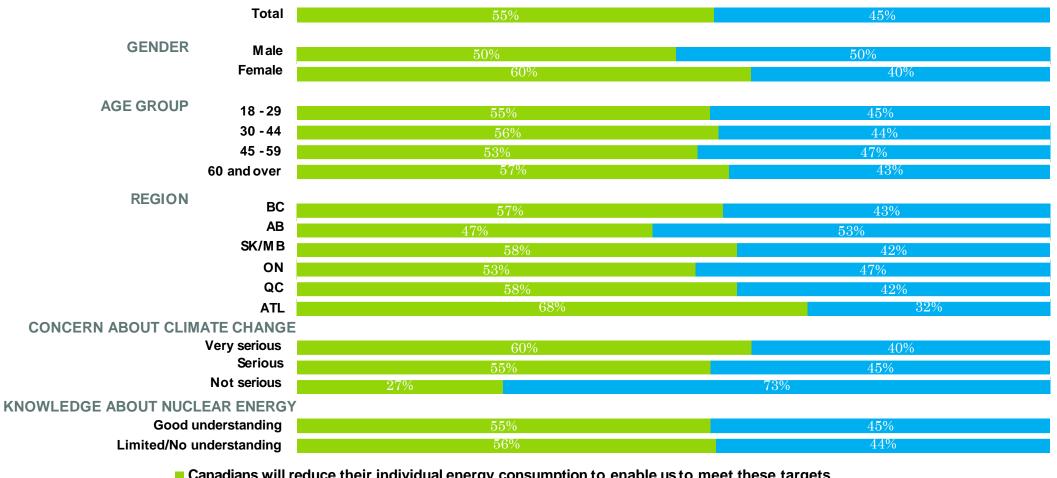


Canadians will reduce their individual energy consumption to enable us to meet these targets

Canadians will not reduce their individual energy consumption to enable us to meet these targets



CNDS REDUCING ENERGY CONSUMPTION TO MEET TARGETS

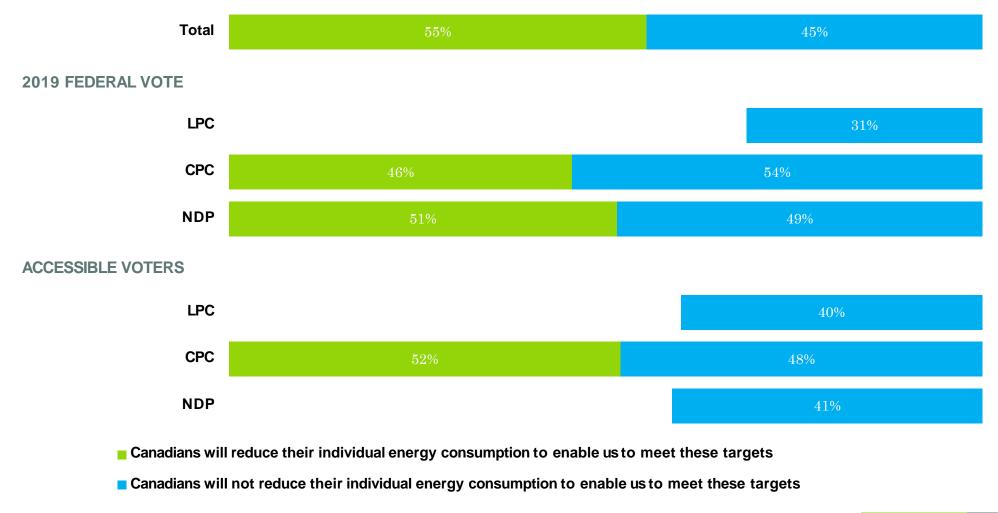


■ Canadians will reduce their individual energy consumption to enable us to meet these targets

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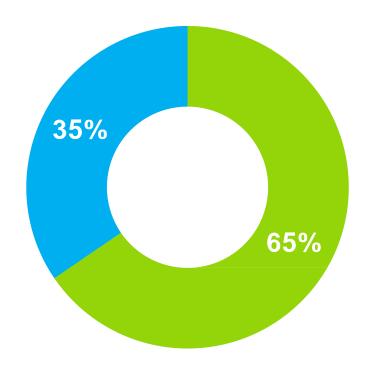


CNDS REDUCING ENERGY CONSUMPTION TO MEET TARGETS





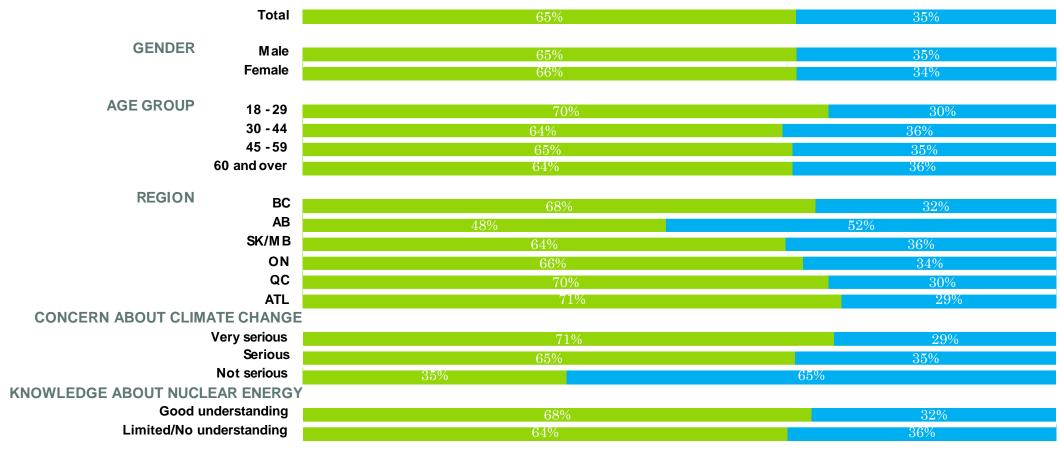
CANADIANS REDUCING AMOUNT OF FOSSIL FUELS USED



- Canada will reduce the amount of fossil fuels (oil and gas) we use and transition to more reliance on clean energy sources to meet these targets such as nuclear, hydro and renewables
- Canada will not reduce the amount of fossil fuels we use and keep producing and using fossil fuels



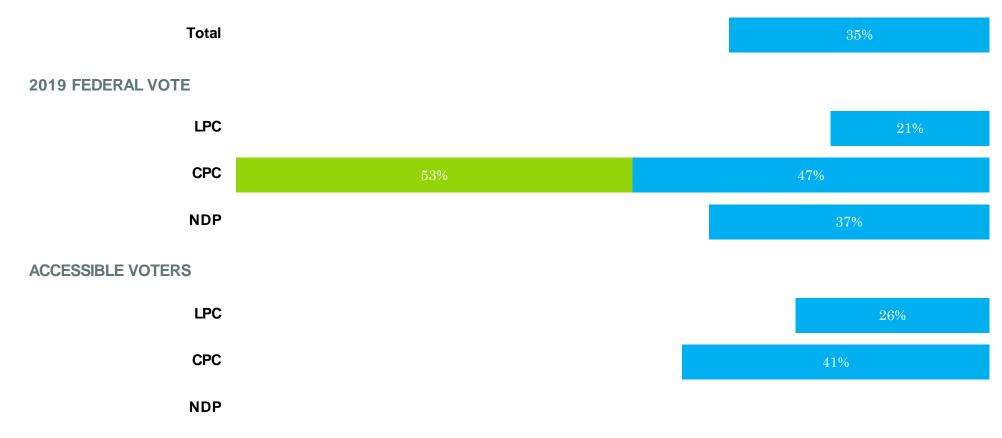
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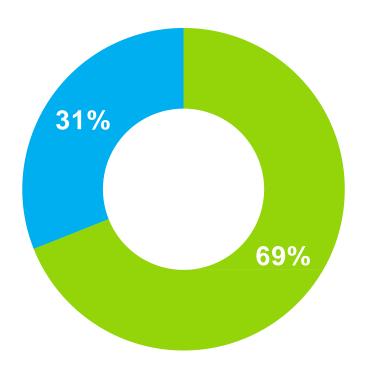
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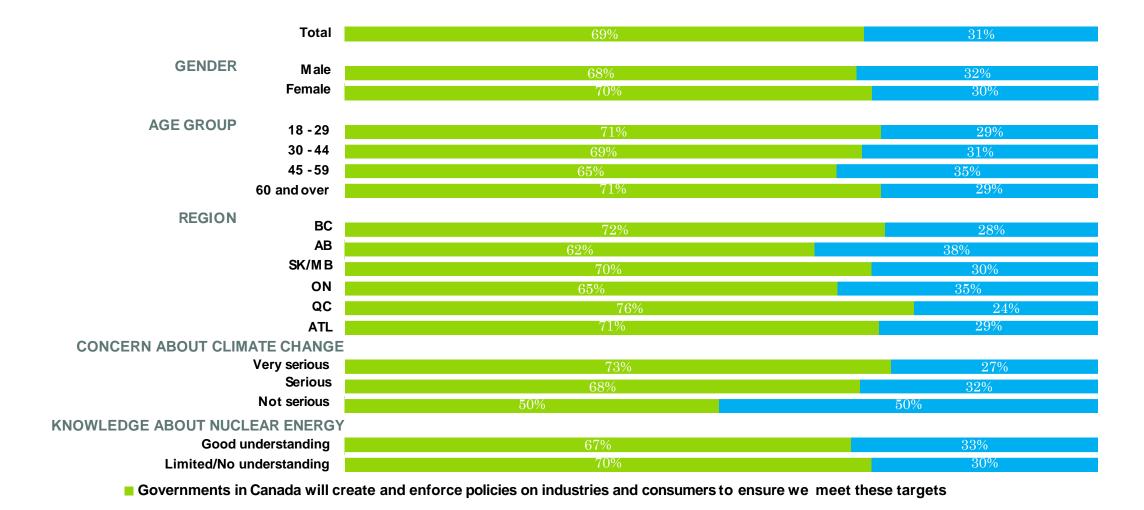
CND GOV CREATING & ENFORCING POLICIES TO MEET TARGETS



- Governments in Canada will create and enforce policies on industries and consumers to ensure we meet these targets
- Governments in Canada will not create and enforce policies on industries and consumers to ensure we meet these targets



CND GOV CREATING & ENFORCING POLICIES TO MEET TARGETS



■ Governments in Canada will not create and enforce policies on industries and consumers to ensure we meet these targets



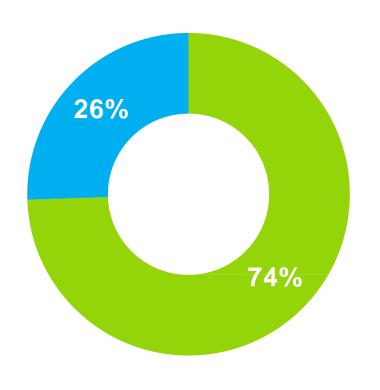
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GOV POLICIES WILL FOSTER DEVELOPMENT OF NEW TECHNOLOGIES

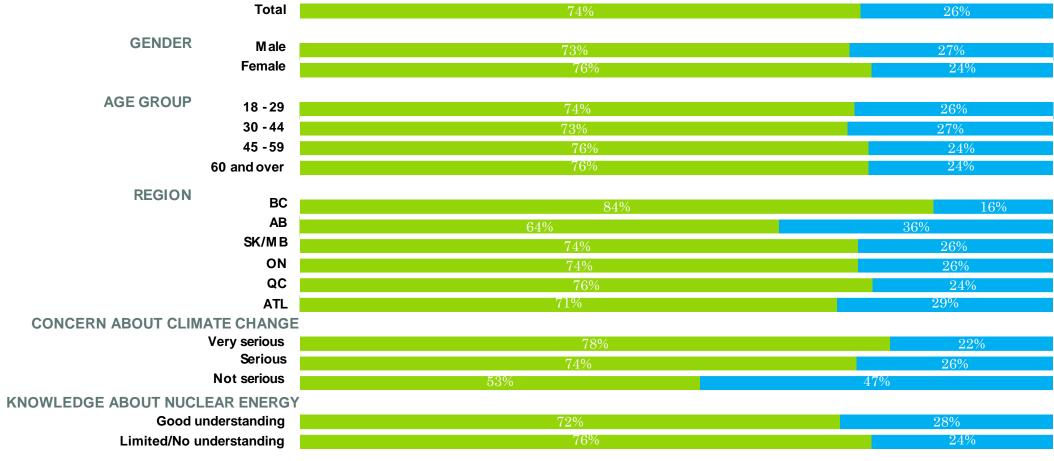


■ Government policies will foster the development of new technologies that reduce emissions in Canada's natural resources sectors

■ Government policies will not foster the development of new technologies that reduce emissions in Canada's natural resources sectors



GOV POLICIES WILL FOSTER DEVELOPMENT OF NEW TECHNOLOGIES



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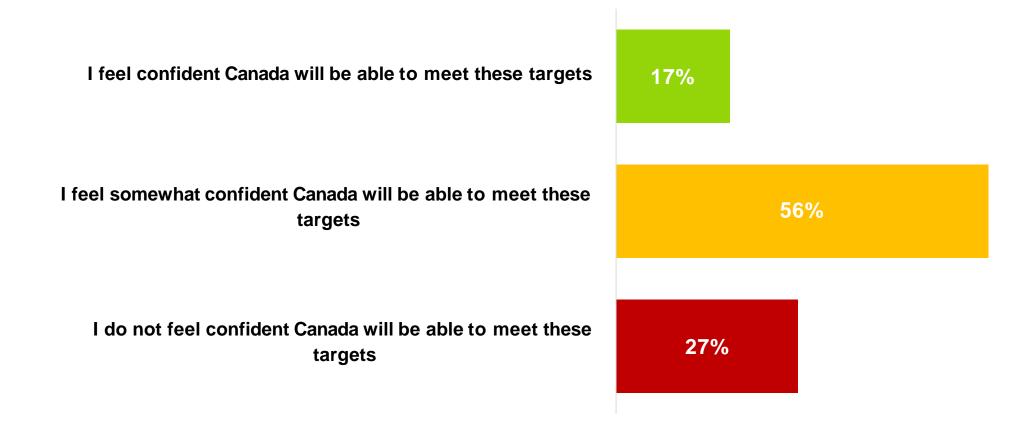
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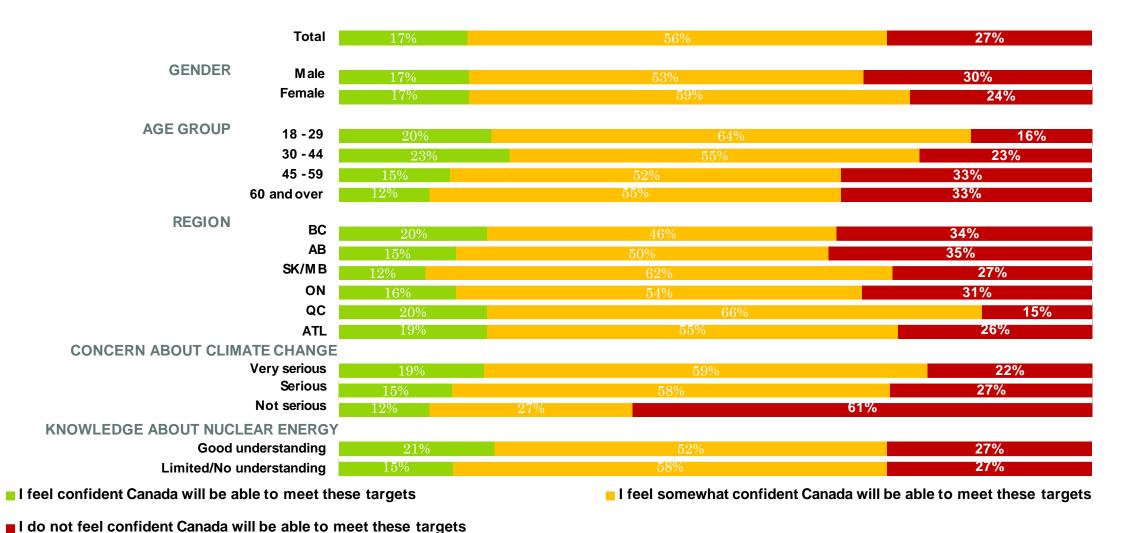


CONFIDENCE IN CANADA ACHIEVING TARGETS





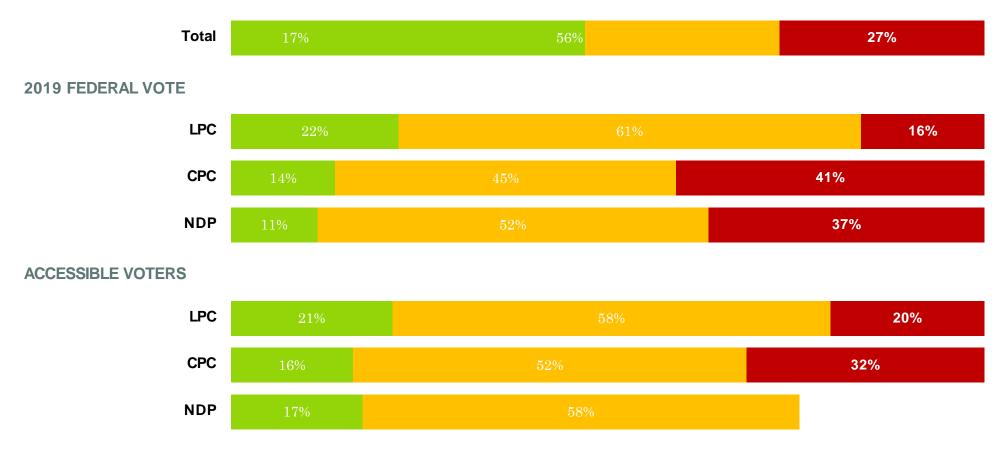
CONFIDENCE IN CANADA ACHIEVING TARGETS



How confident, if at all, do you feel about Canada achieving these targets?



CONFIDENCE IN CANADA ACHIEVING TARGETS



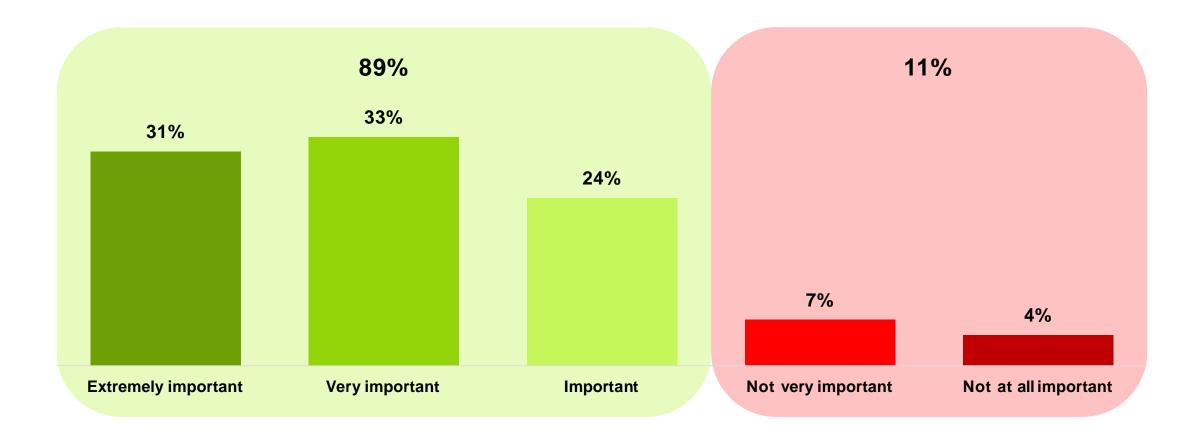
■ I feel confident Canada will be able to meet these targets

■ I feel somewhat confident Canada will be able to meet these targets

■ I do not feel confident Canada will be able to meet these targets

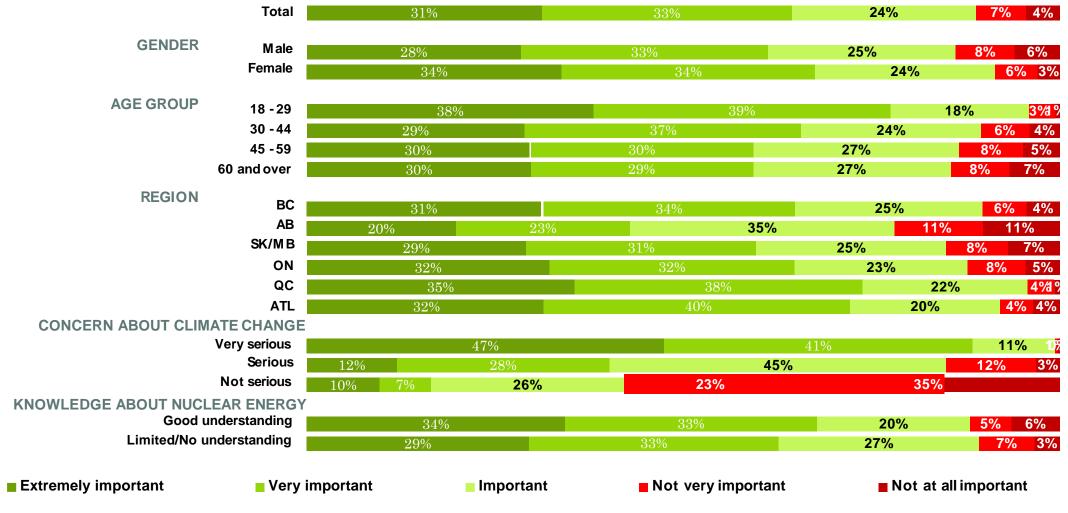


IMPORTANCE OF CANADA MEETING ITS COMMITMENT TO REDUCE GHG EMISSIONS TO 30% BELOW 2005 BY 2030



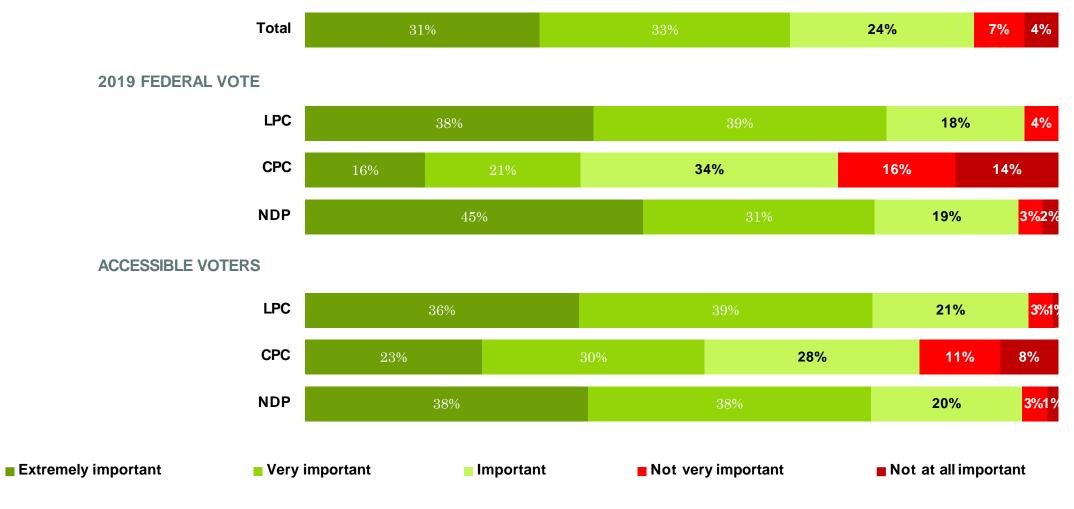


IMPORTANCE OF CANADA MEETING ITS COMMITMENT TO REDUCE GHG EMISSIONS TO 30% BELOW 2005 BY 2030



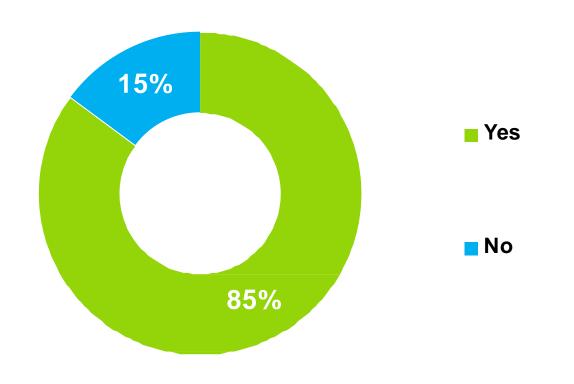


IMPORTANCE OF CANADA MEETING ITS COMMITMENT TO REDUCE GHG EMISSIONS TO 30% BELOW 2005 BY 2030





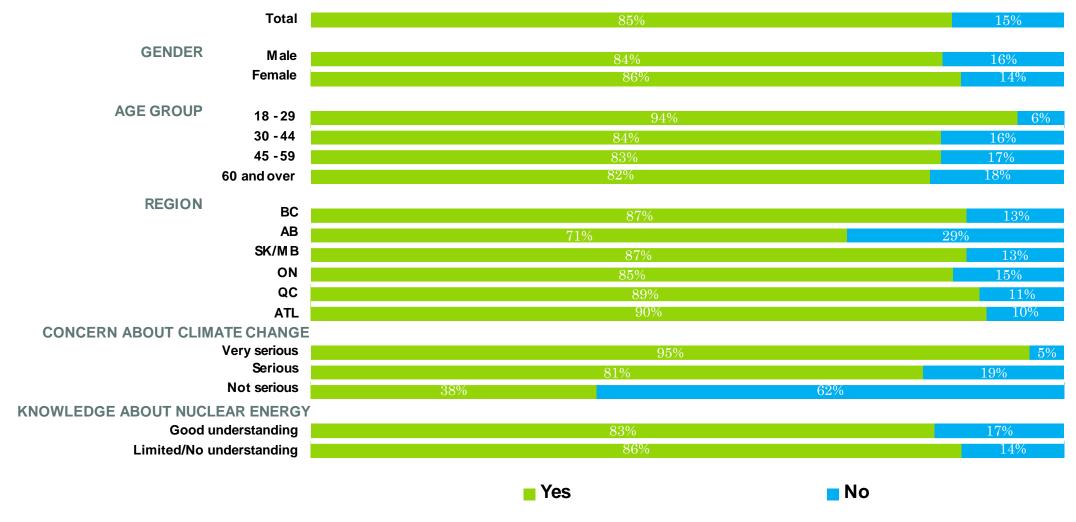
MOST THINK CND GOV SHOULD INVEST IN CLEAN ENERGY TECHNOLOGY



85% OF CANADIANS
BELIEVE THAT THE CANADIAN
GOVERNMENT SHOULD
INVEST IN CLEAN ENERGY
TECHNOLOGY TO HELP FIGHT
CLIMATE CHANGE



MOST THINK CND GOV SHOULD INVEST IN CLEAN ENERGY TECHNOLOGY





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