

Outline

Research Questions	3
Methodology	4
Defining polarization	5

Findings

Oil and gas: importance, production, exports 7
Phase-out, fairness and retraining 39
Role of federal and provincial governments 61

For additional analysis, see our "In Brief" at Positive Energy's Website.



Research Questions

- 1. To what extent are attitudes – across a variety of different energy contexts - polarized in Canada?
- 2. What sociodemographic characteristics or political preferences underlie views and attitudes towards energy?
- 3. Along what dimensions and in which sectors are Canadians most divided?
- Are there areas of the energy and climate context that Canadians agree 4. on?
- 5. How does political competition (or polarization) shape expectations for change in the energy sector?

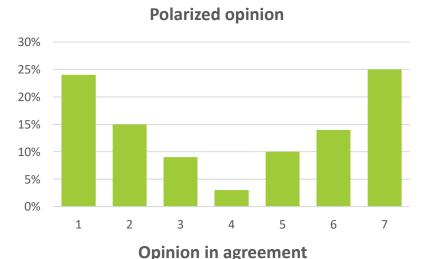


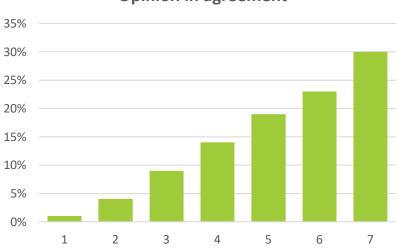
Methodology

- Online survey via Qualtrics
- Dates: Sept. 9-19 for about 90%, complete by Sept. 29 2019
 - Caveat 1: Election context (prior to Collapse of oil prices and COVID-19)
 - Caveat 2: Bivariate analysis
- N = 2738
 - 5 regional subsamples (BC, Prairie, ON, QC, Atlantic): n= 500+
 - (Margin of Error is not applicable for this kind of survey)
- Age groups
 - Silent 1928-45, Boomers 1946-64, Gen X 1965-80, Millennials 1981-95, Gen Z 1996+

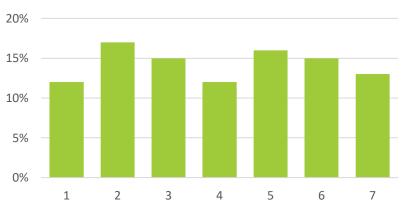


Defining Polarized Opinion





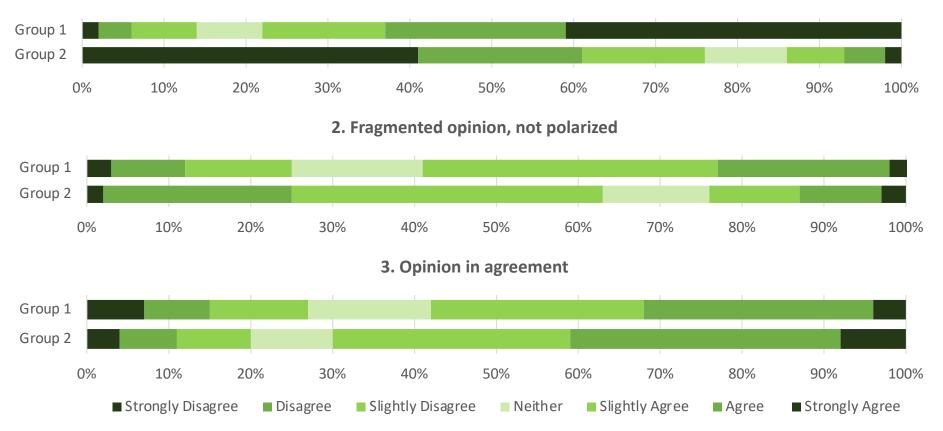
Fragmented opinion, not polarized



- Each example graph shows the % of respondents choosing a Likert Scale number from 1 to 7 (e.g., from "strongly disagree" to "strongly agree").
- Ex. 1 shows polarized opinion (inverted U shape), with opinion concentrated at the extreme ends of the scale.
- Ex. 2 shows opinion that is fragmented, but relatively few take extreme positions
- Ex 3. shows opinion that tends toward strong agreement.
- The distinction between polarized/fragmented is key for policymakers: polarized views are hardened and difficult to change; fragmented are more amenable to compromise

Polarized Opinion Between Groups





- Each graph shows how public opinion expresses across groups; these could be regions, age groups, community type, or partisan affiliation.
- Graph 1 shows highly disparate measures across groups (polarized), graphs 2 & 3 show fragmentation and agreement, respectively, with no polarized opinion



Oil and Gas: Importance, production, exports

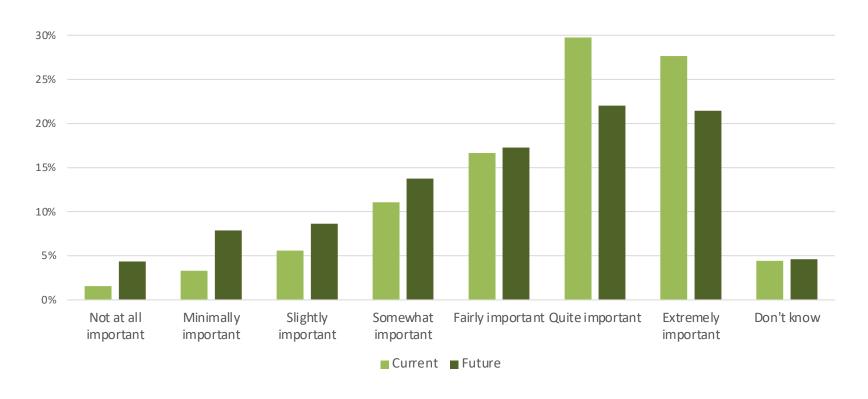


Positive Energy asked Canadians for their views on the importance of oil and gas now and in the future, and on the specific prospects for their production and export.

We also asked their degree of support for oil and gas production and exports in the context of rising global demand and if exports can displace emissions abroad.

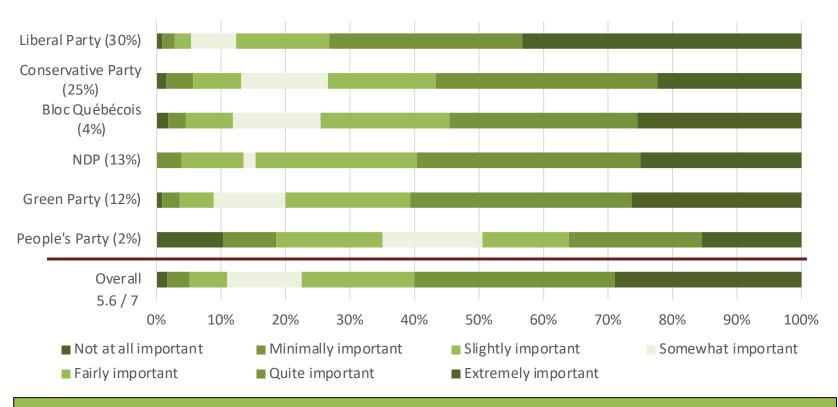


Importance of Oil and Gas



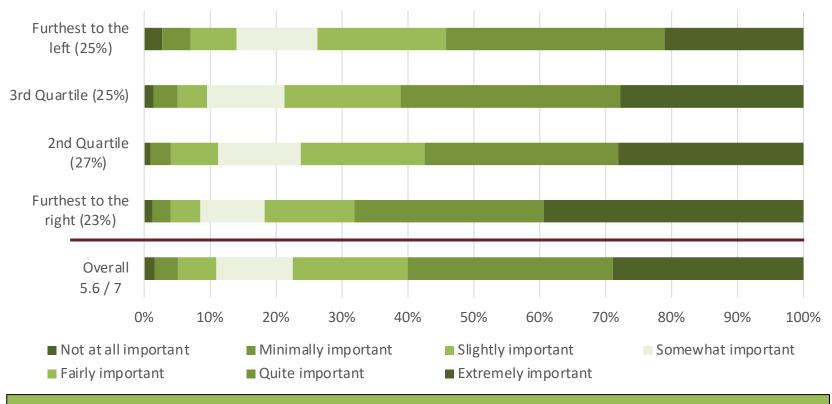


Importance of Oil and Gas: Party



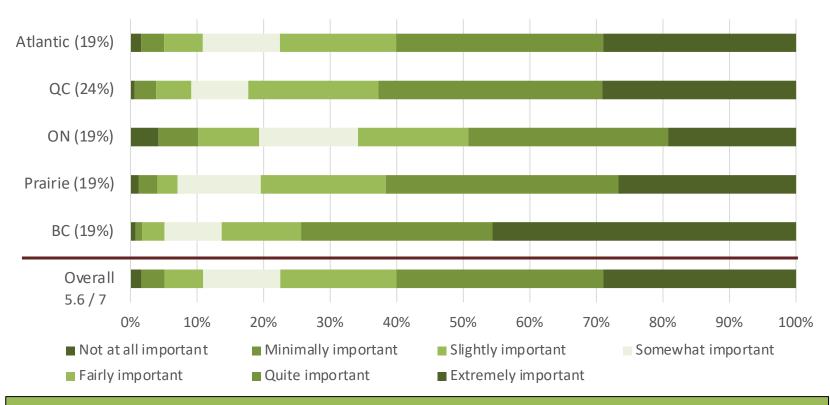


Importance of Oil and Gas: Ideology



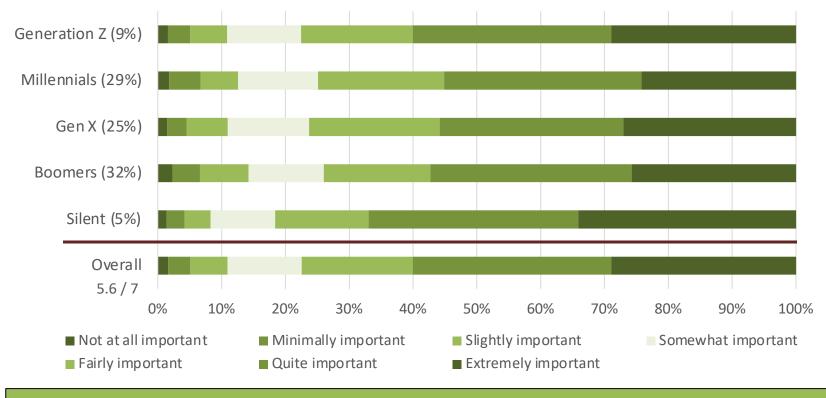


Importance of Oil and Gas: Region



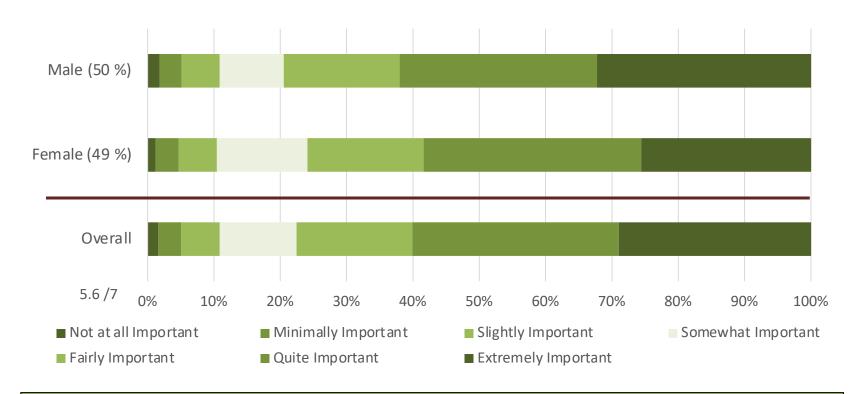


Importance of Oil and Gas: Age



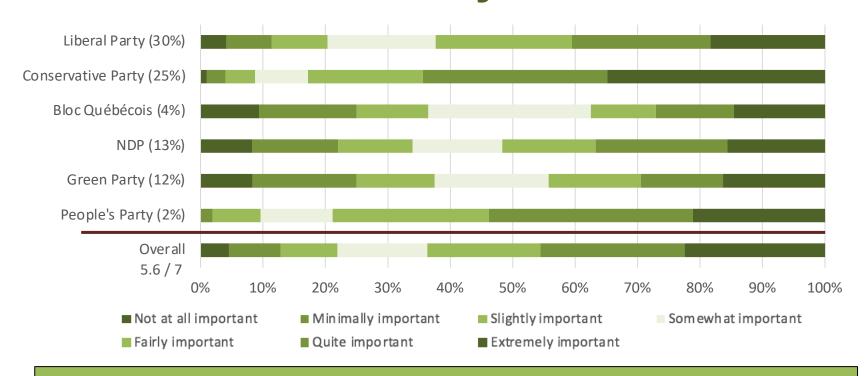


Importance of Oil and Gas: Gender



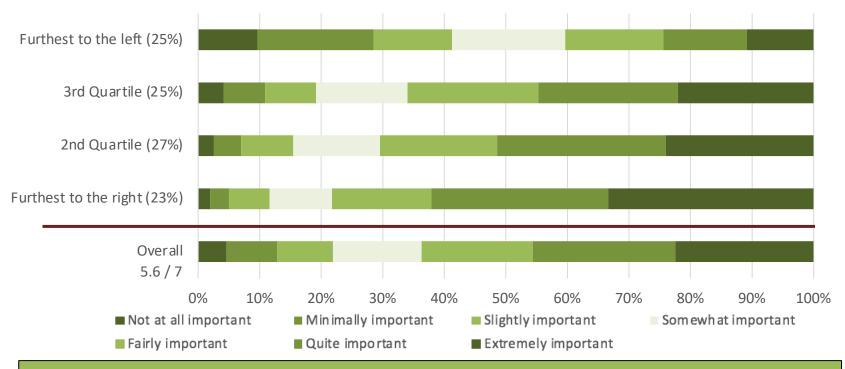


Future Importance of Oil and Gas: Party



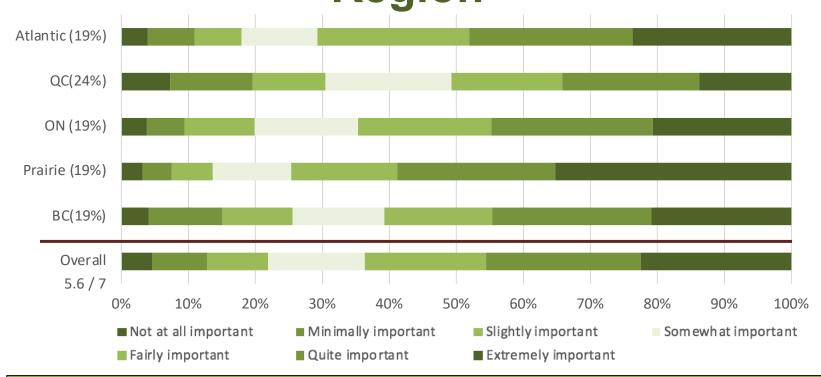


Future Importance of Oil and Gas: Ideology



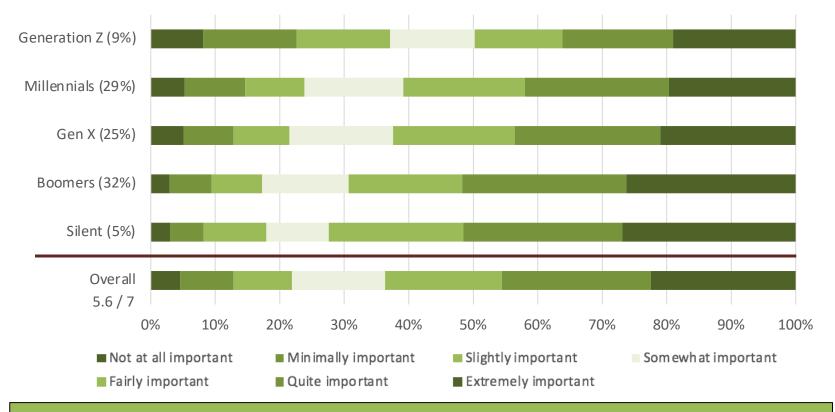


Future Importance of Oil and Gas: Region



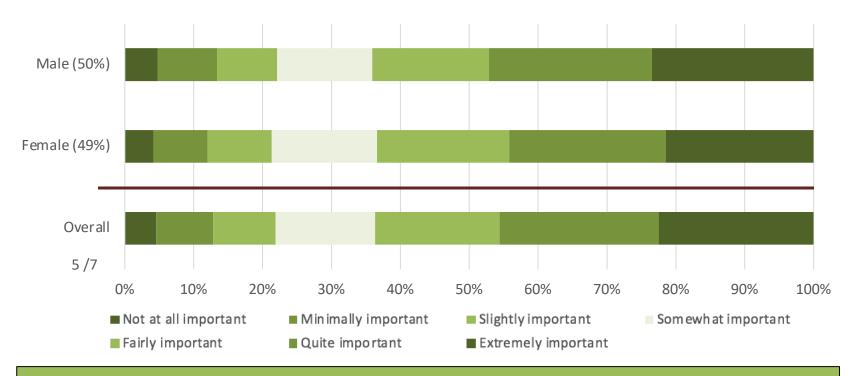


Future Importance of Oil and Gas: Age



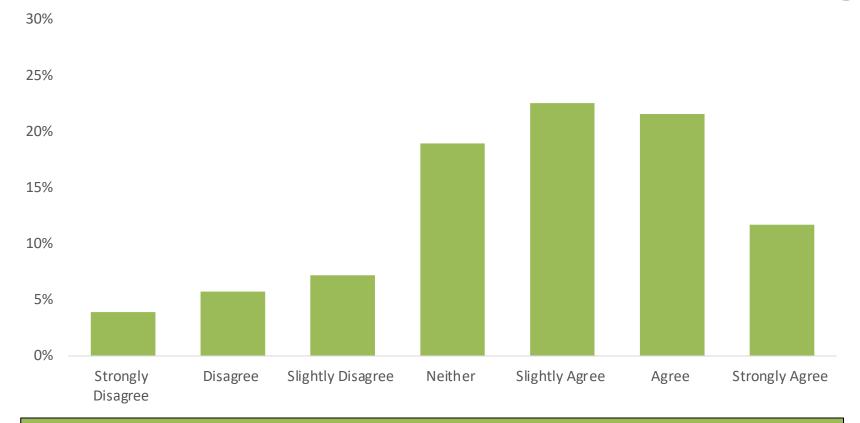


Future Importance of Oil and Gas: Gender



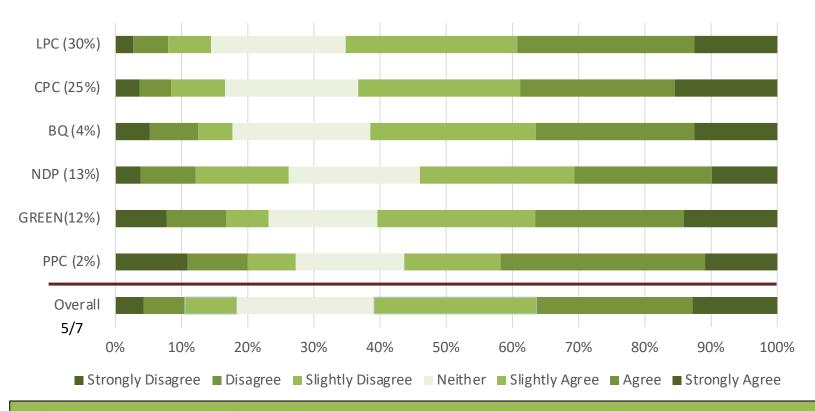


Natural Gas Exports and Climate Change



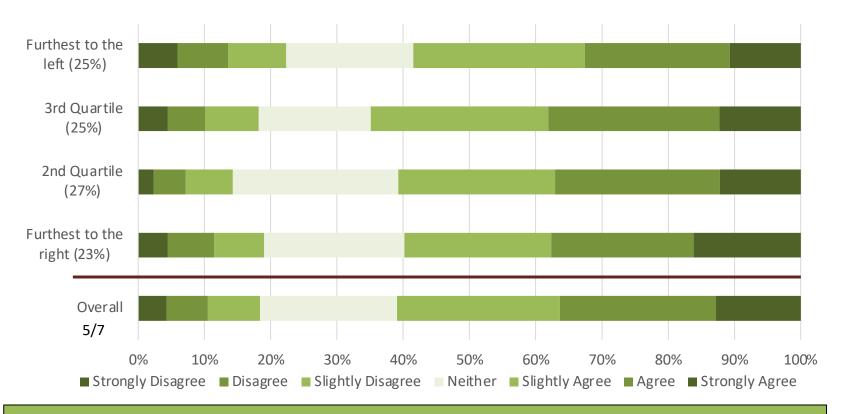


Natural Gas Exports: Party



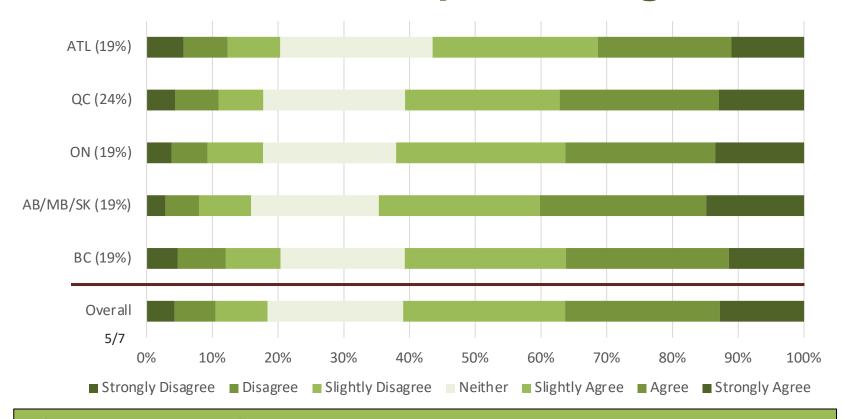


Natural Gas Exports: Ideology



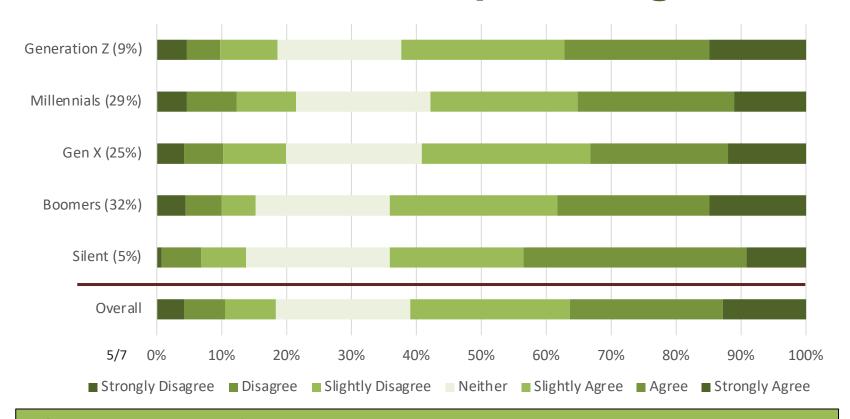


Natural Gas Exports: Region



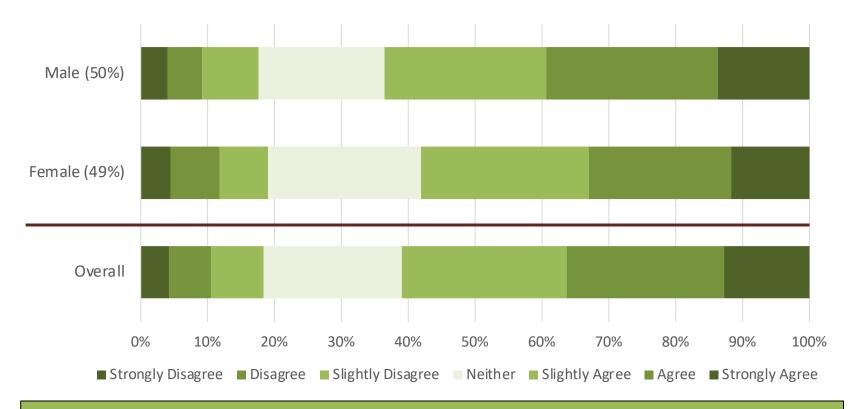


Natural Gas Exports: Age



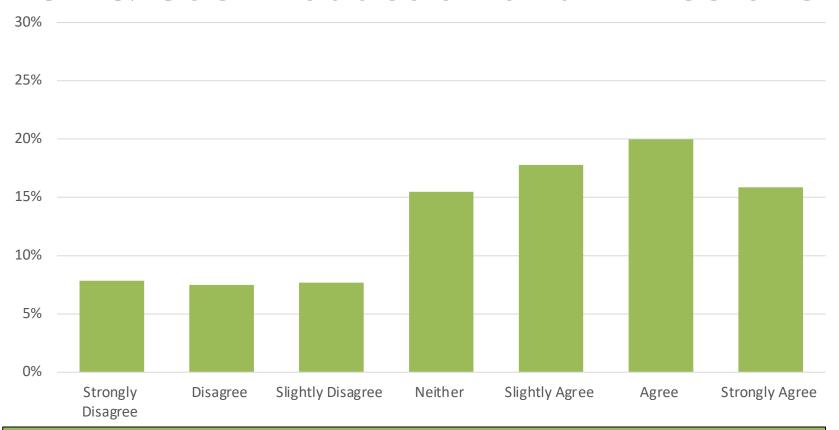


Natural Gas Exports: Gender



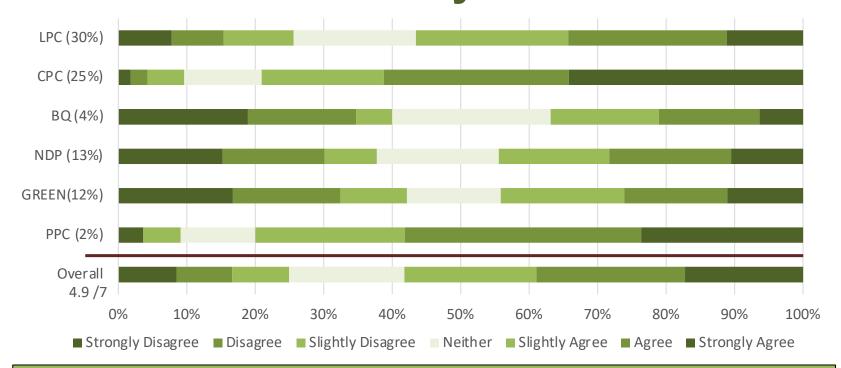


Oil & Gas Production and Emissions



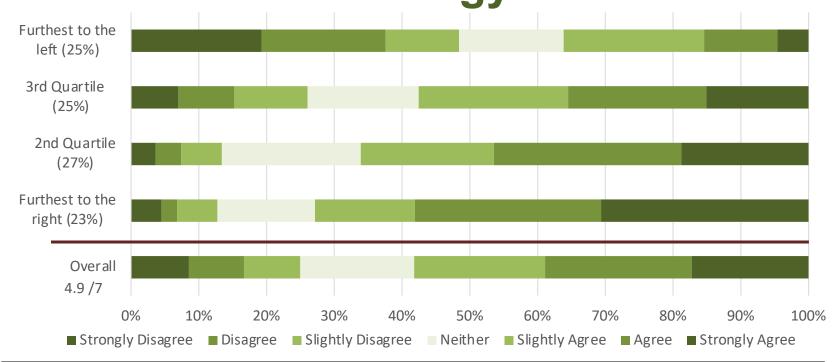


Oil & Gas Production and Emissions: Party



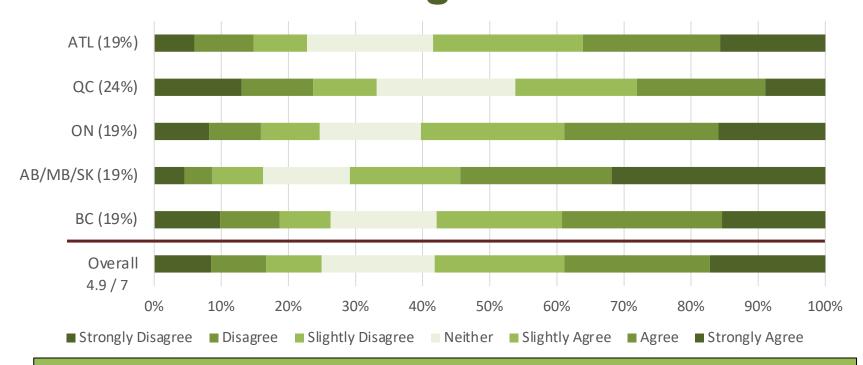


Oil & Gas Production and Emissions: Ideology



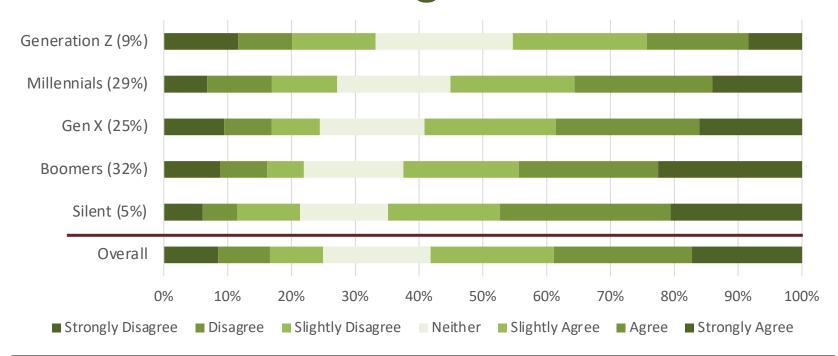


Oil & Gas Production and Emissions: Region



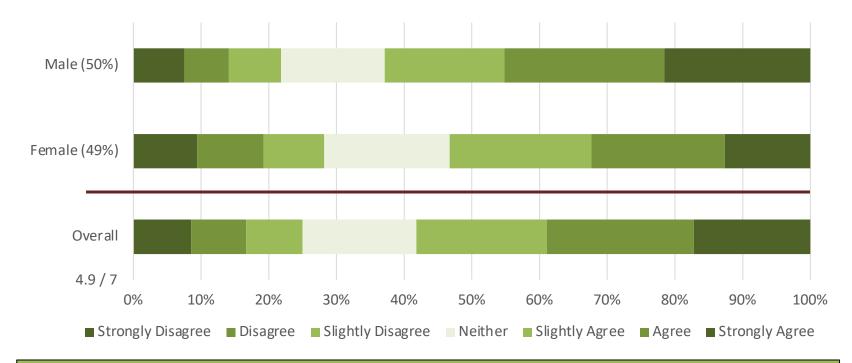


Oil & Gas Production and Emissions: Age



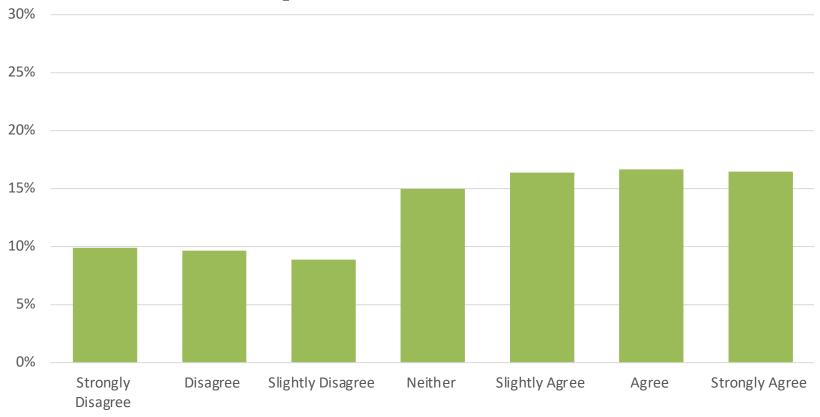


Oil & Gas Production and Emissions: Gender



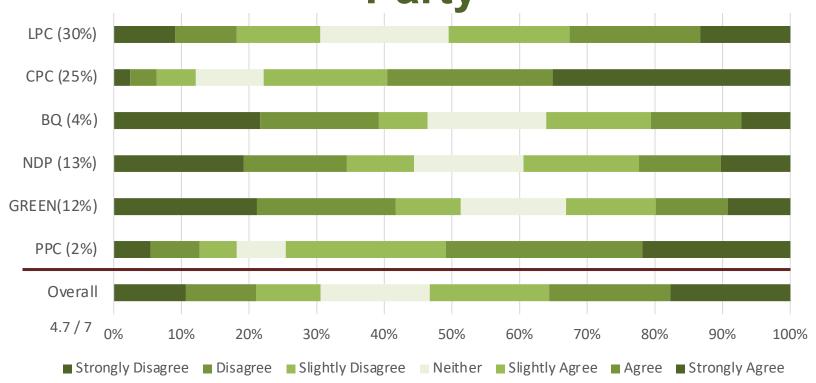


Oil & Gas Exports and Global Demand



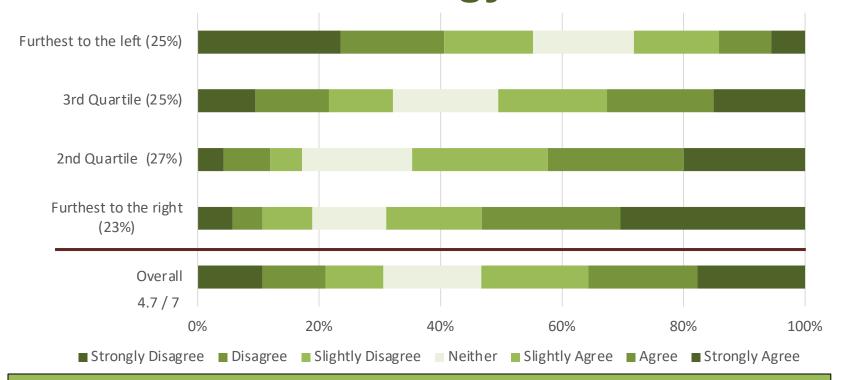


Oil & Gas Exports and Global Demand: Party



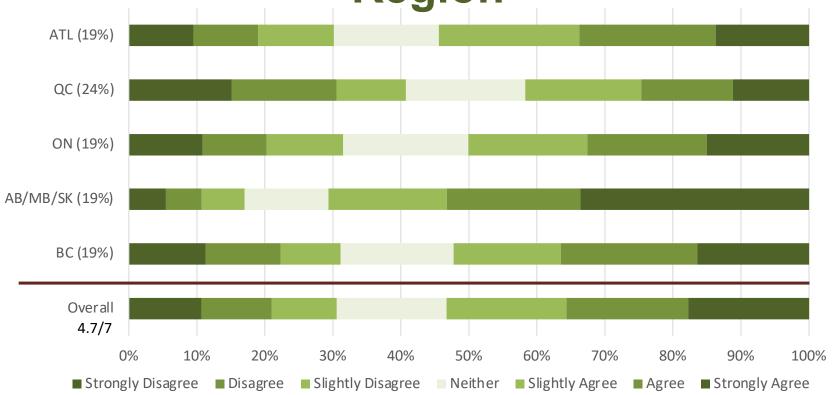


Oil & Gas Exports and Global Demand: Ideology



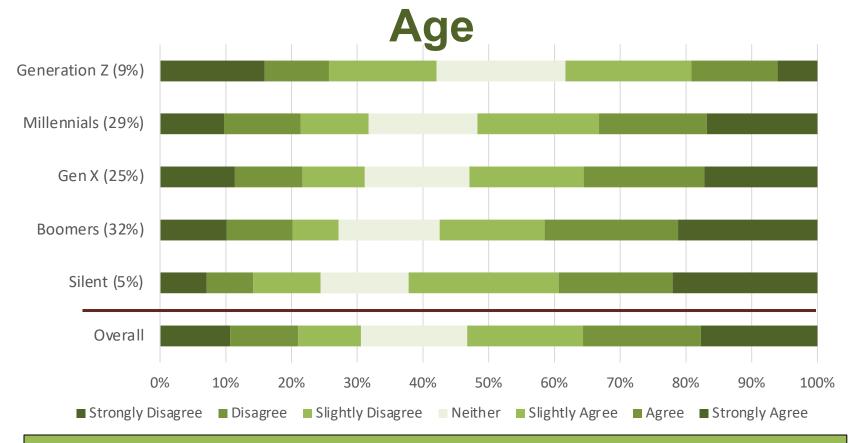


Oil & Gas Exports and Global Demand: Region





Oil & Gas Exports and Global Demand:





Oil & Gas Exports and Global Demand: Gender





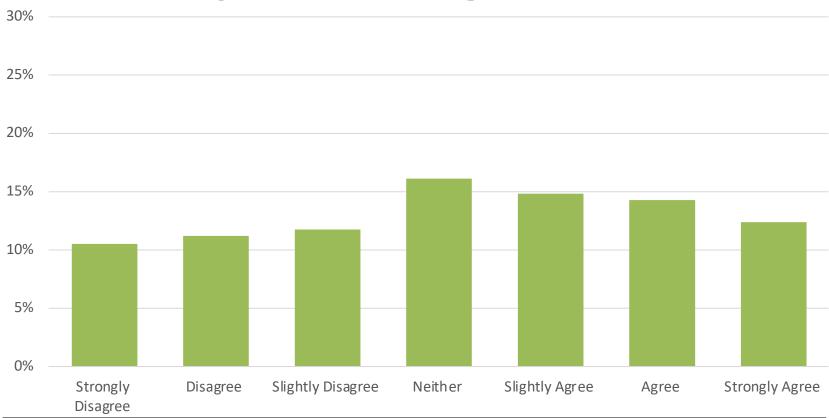
Phase-out, Fairness and Retraining



Reducing the economic size of the oil and gas sectors could have significant effects on many Canadians. Positive Energy asked respondents if they think that phasing out oil and gas is necessary or whether technology will reduce emissions. We also asked whether phasing out oil and gas was fair to producing provinces, and whether governments should invest to retrain workers who lose their jobs as Canada addresses climate change.

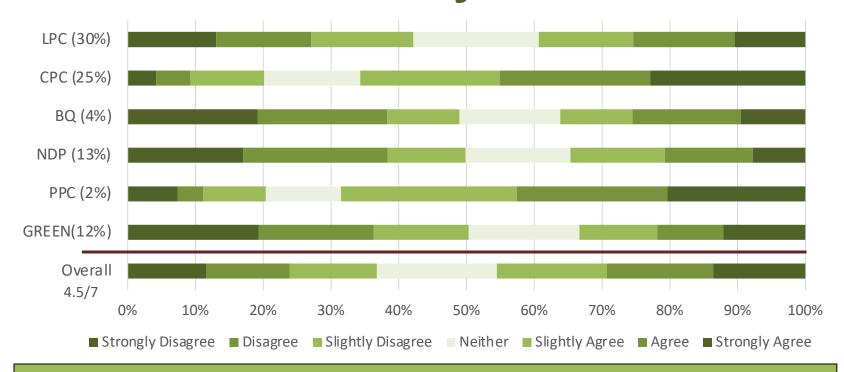


Necessity of Phasing Out Oil & Gas



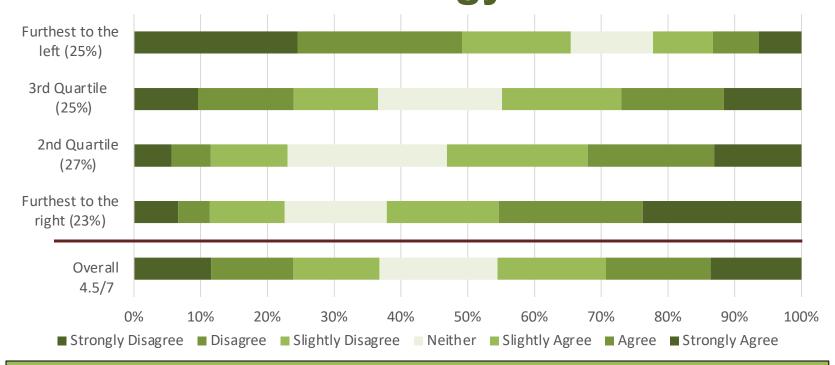


Necessity of Phasing Out Oil & Gas: Party



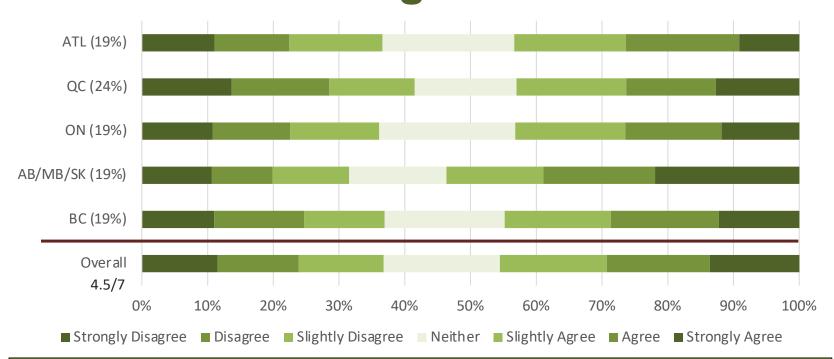


Necessity of Phasing Out Oil & Gas: Ideology



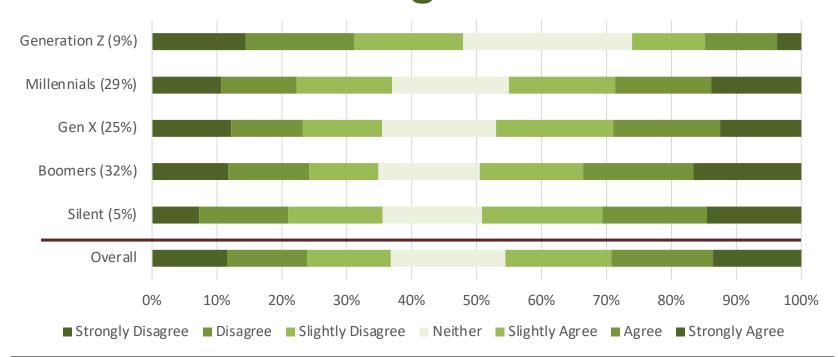


Necessity of Phasing Out Oil & Gas: Region



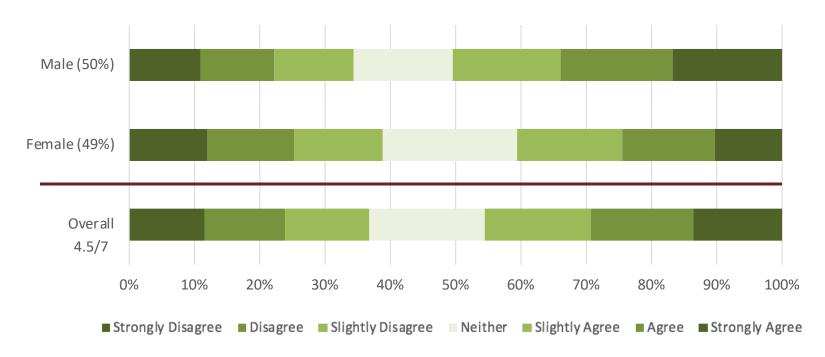


Necessity of Phasing Out Oil & Gas: Age



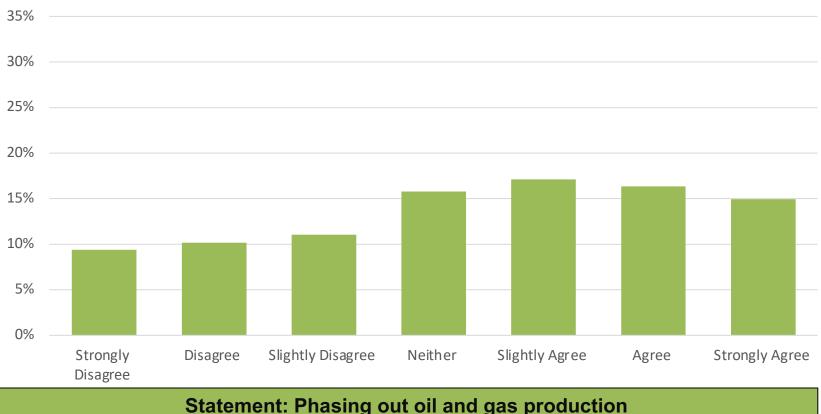


Necessity of Phasing Out Oil & Gas: Gender



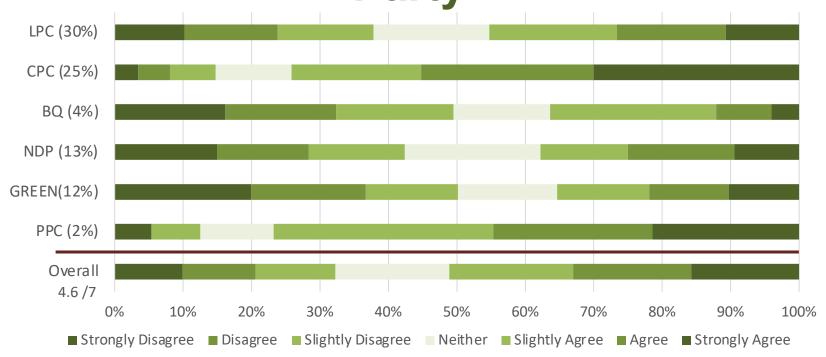


Fairness of Phasing Out Oil & Gas



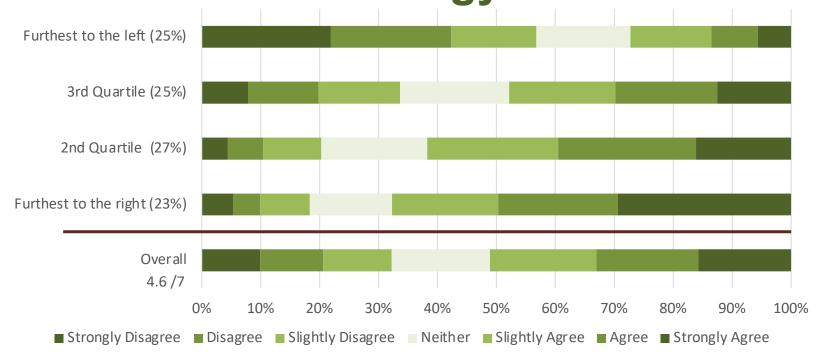


Fairness of Phasing Out Oil & Gas: Party



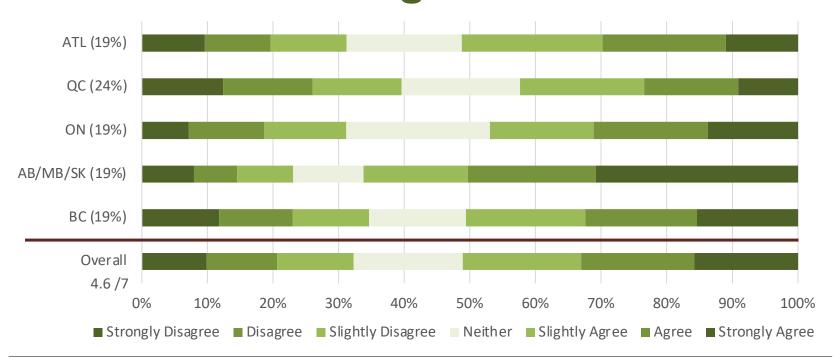


Fairness of Phasing Out Oil & Gas: Ideology



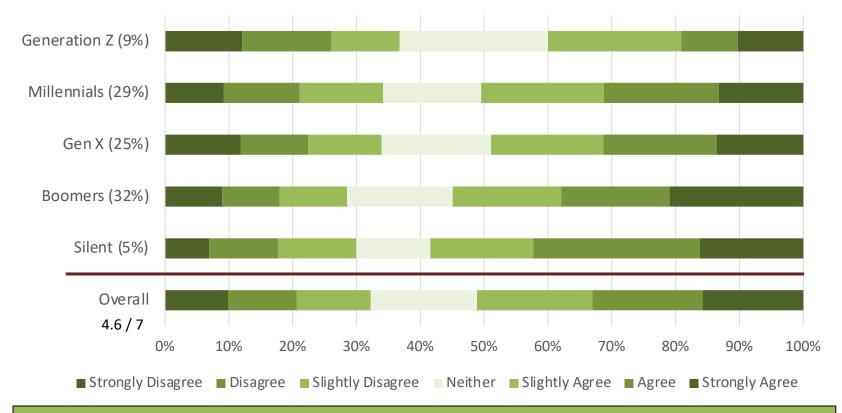


Fairness of Phasing Out Oil & Gas: Region



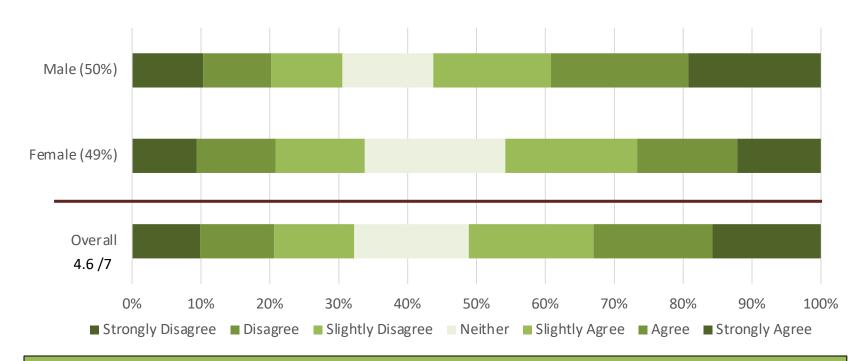


Fairness of Phasing Out Oil & Gas: Age



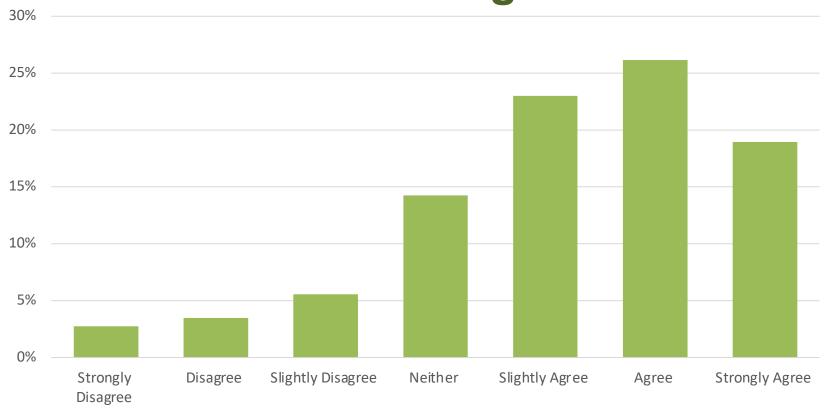


Fairness of Phasing Out Oil & Gas: Gender



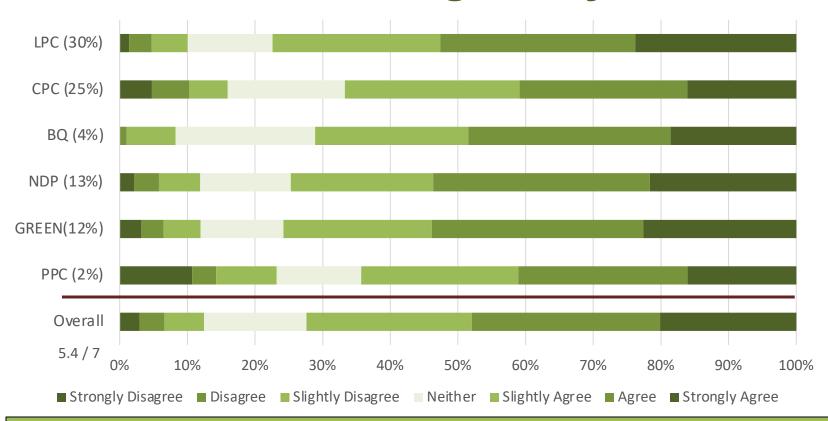


Retraining



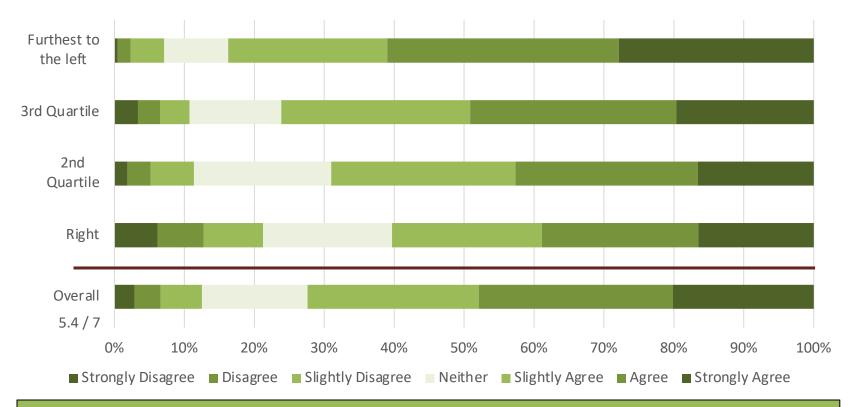


Retraining: Party



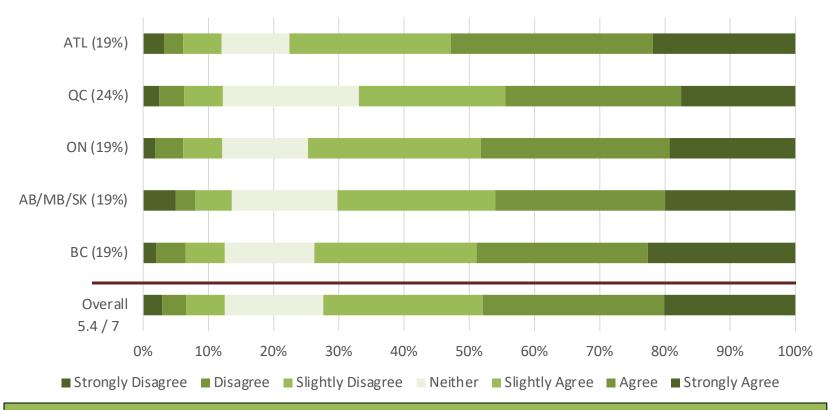


Retraining: Ideology



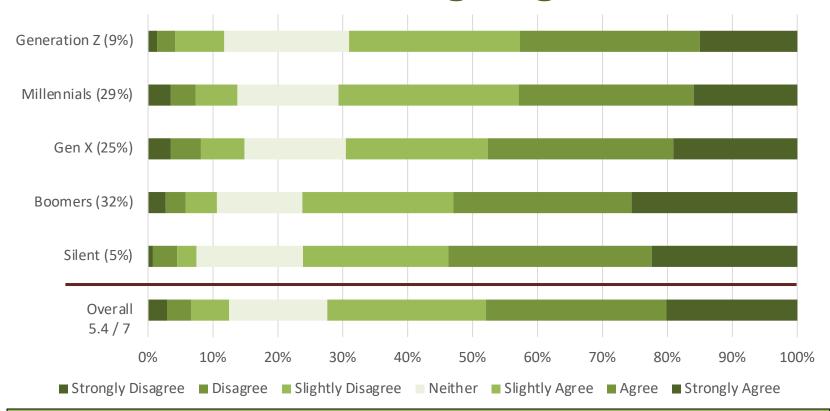


Retraining: Region



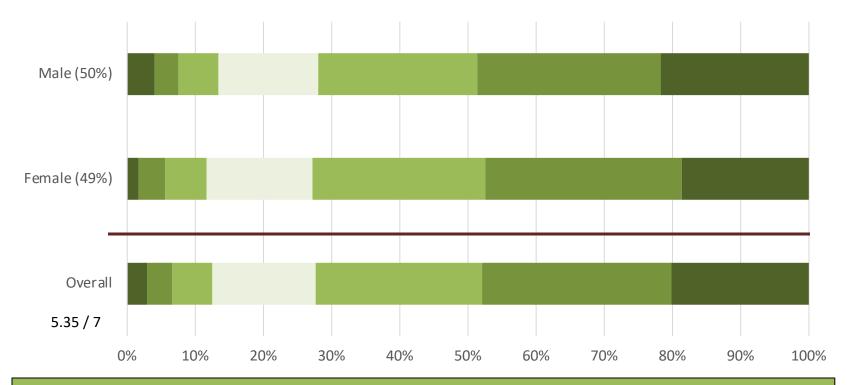


Retraining: Age





Retraining: Gender





Role of Federal and Provincial Governments

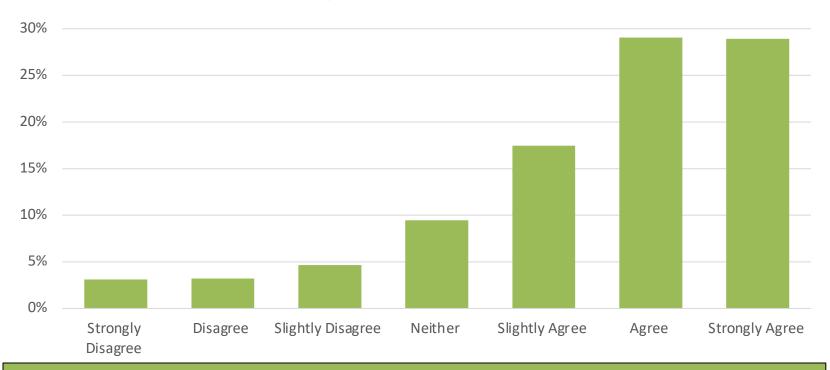


Energy and climate policies in Canada are the result of federal and provincial decision-making processes.

Positive Energy asked Canadians whether the federal government should develop a long-term energy vision for the country, whether it has a role in energy resource development, and whether provinces should have flexibility to tackle climate change as they see fit.

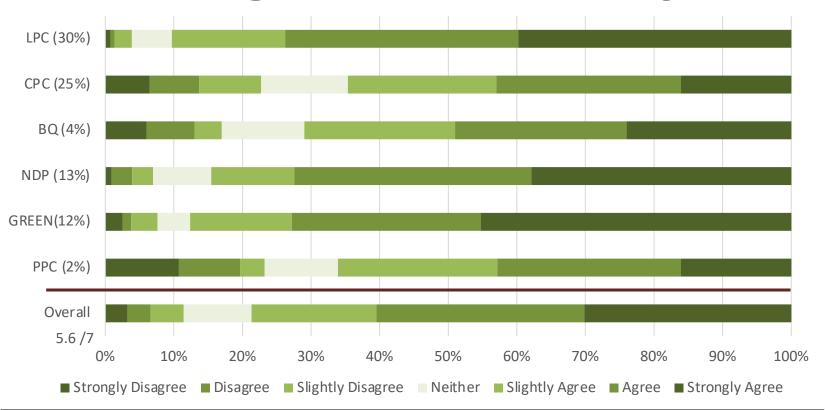


Federal Development of Long-Term Vision



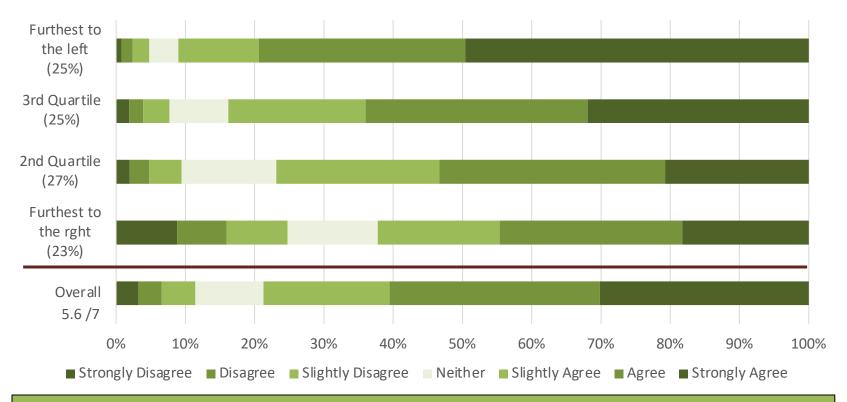


Long-Term Vision: Party



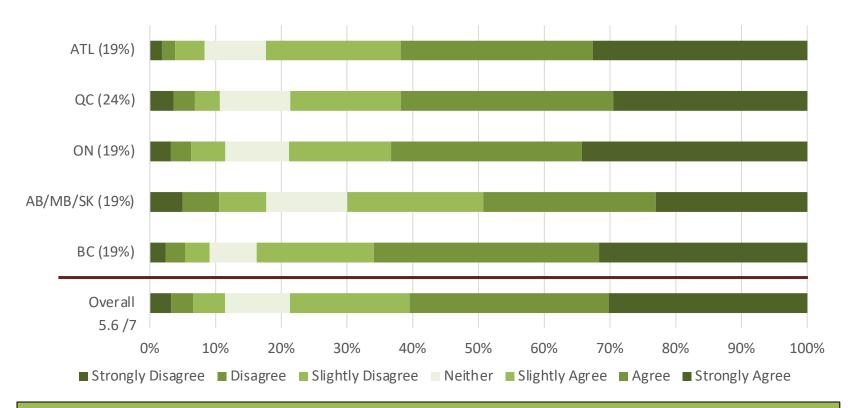


Long-Term Vision: Ideology



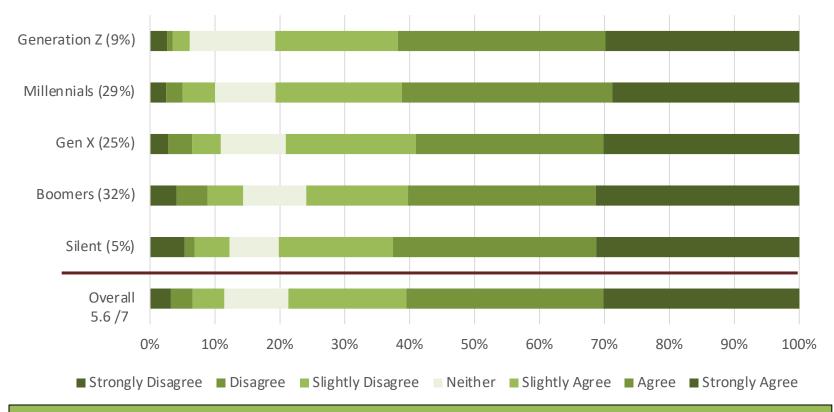


Long-Term Vision: Region



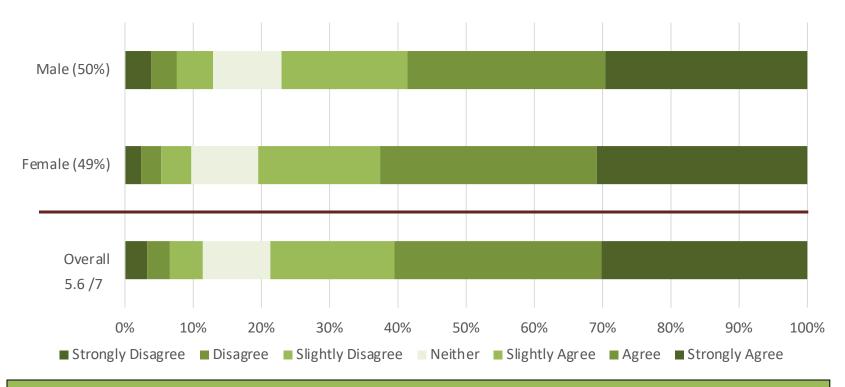


Long-Term Vision: Age



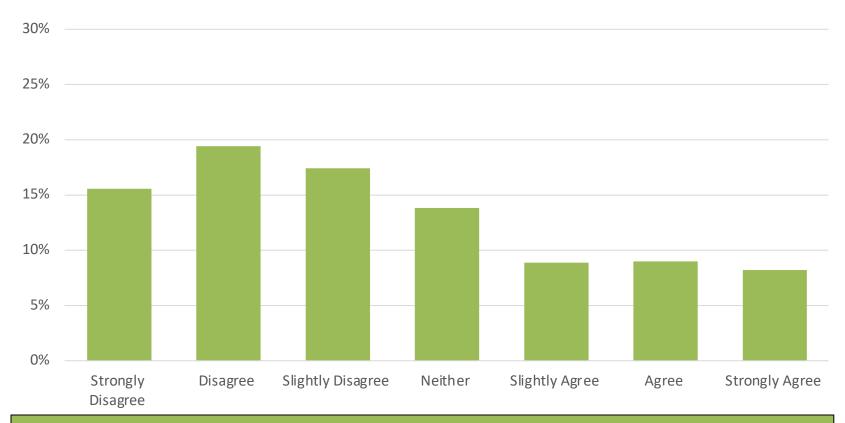


Long-Term Vision: Gender



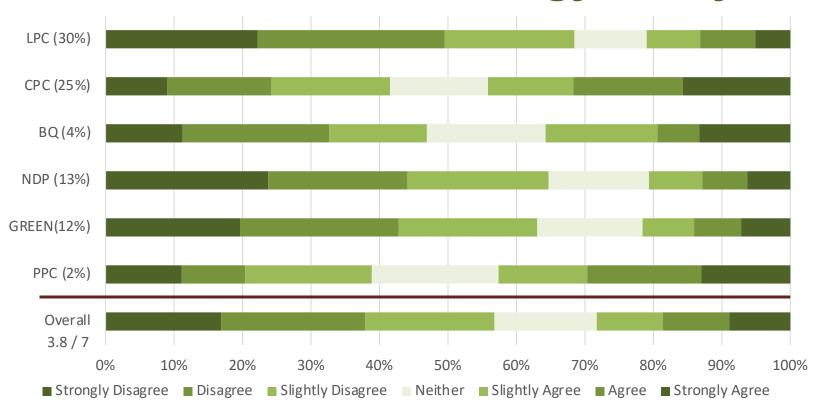


Federal Role in Energy Development



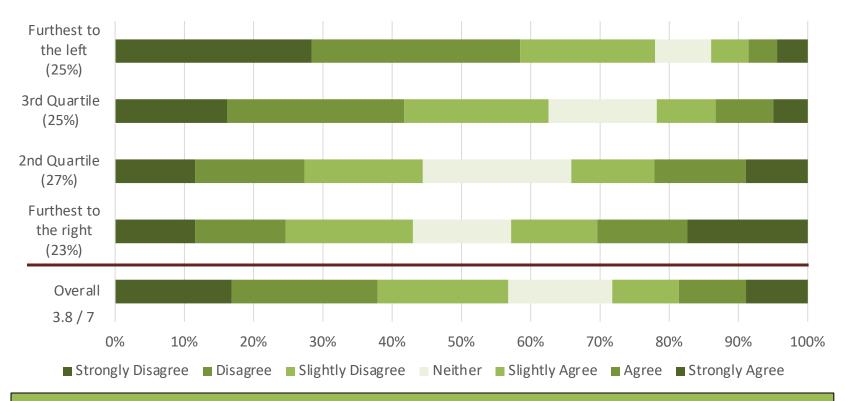


Federal Role in Energy: Party



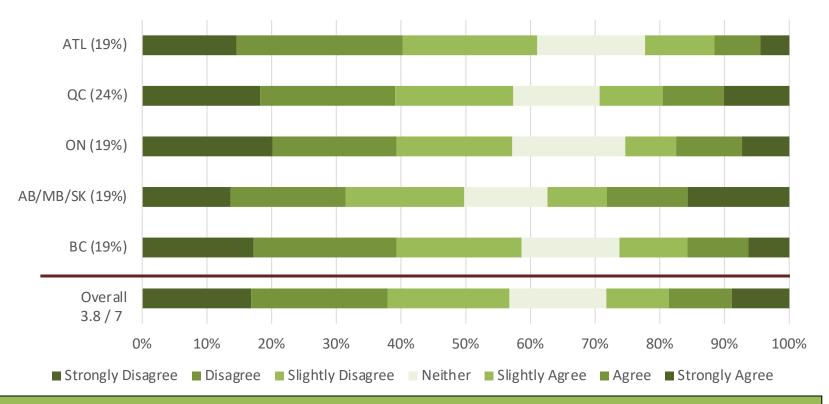


Federal Role in Energy: Ideology



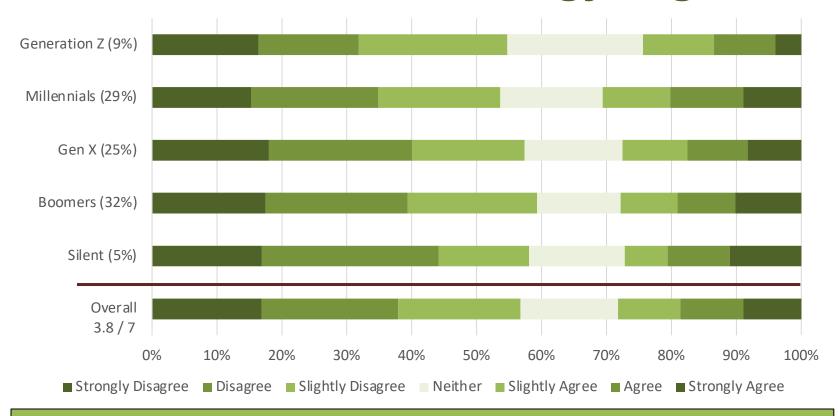


Federal Role in Energy: Region



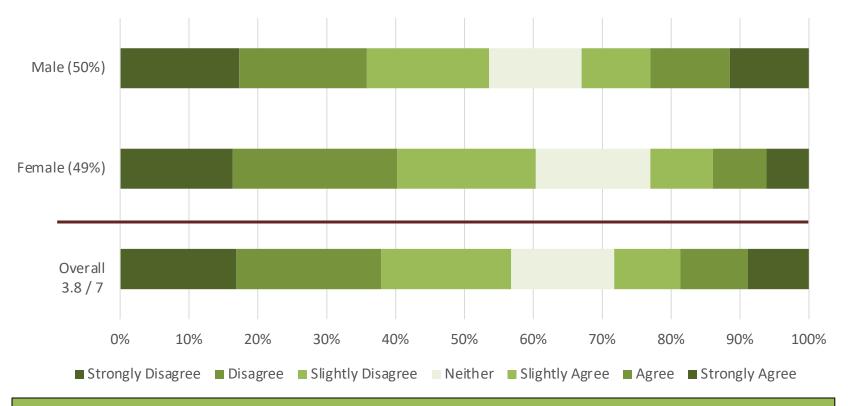


Federal Role in Energy: Age



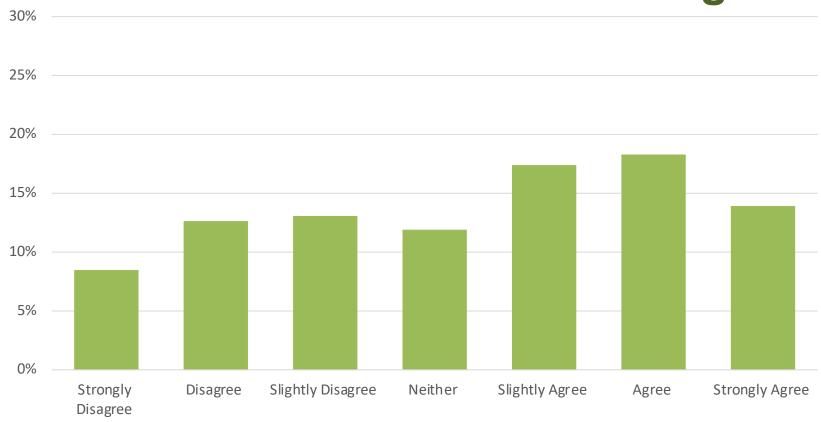


Federal Role in Energy: Gender



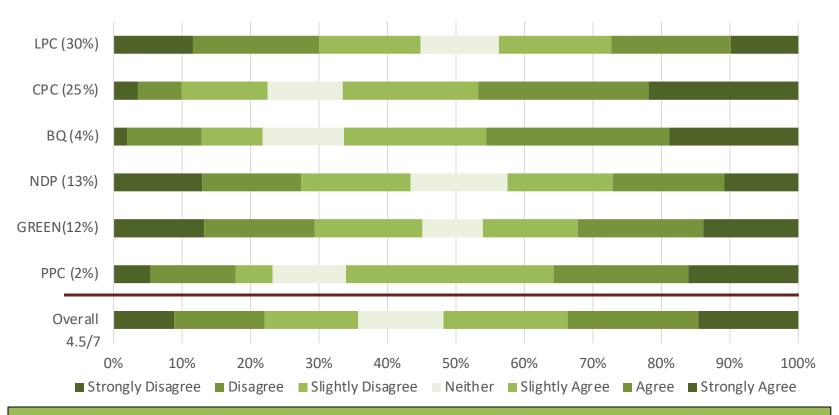


Provinces and Climate Change



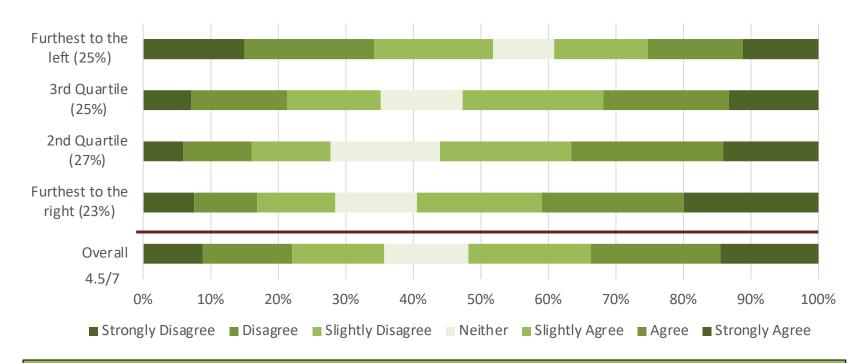


Provinces and Climate Change: Party



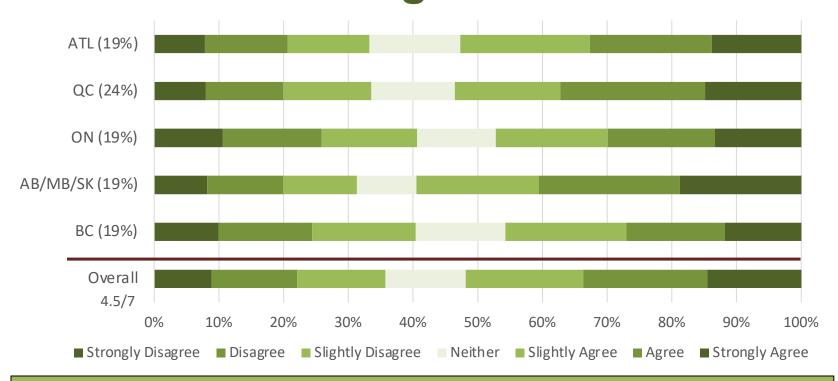


Provinces and Climate Change: Ideology



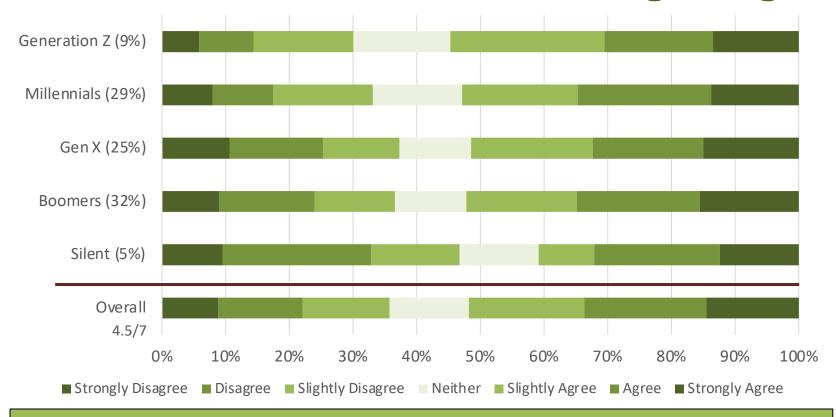


Provinces and Climate Change: Region



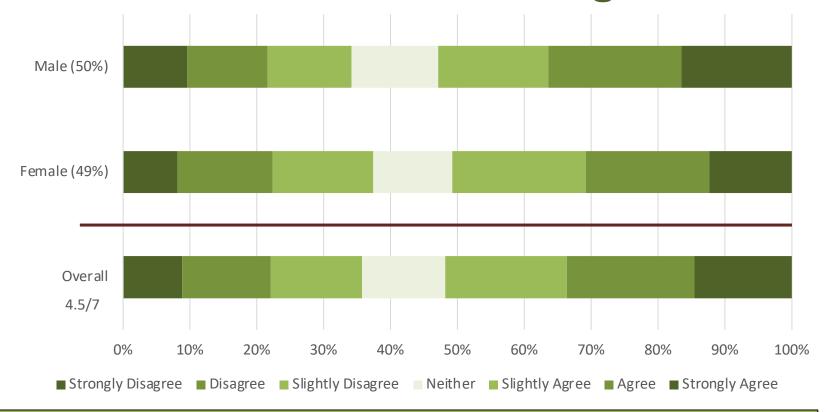


Provinces and Climate Change: Age





Provinces and Climate Change: Gender





Methodological notes



Note on Ideology Scoring

For ideology scoring, we start with a set of 13 questions adapted from the Pew Research Center (https://www.pewresearch.org/) to measure ideology empirically. These questions are well-established and have been shown to be very strong predictors of actual ideological beliefs. Rather than ask questions about party, these use grouped (social or economic – see below) questions to determine belief patterns of survey respondents. We average the Likert scale responses to these questions to reflect the left-leaning as the maximum score and the right-leaning as the minimum score in all questions.

"Don't know" values were abundant (sometimes up to 25% of all questions in the block). We replaced all "Don't know" and missing values with the average value for each question included in a set (social or economic – see below). The scale variables resulting from averaging each set of questions were recomputed into quartiles (the highest quartile being that with cases furthest to the left). That new ordinal quartile variable is the one that our graphs show.

Social score (Pew): The growing number of newcomers from other countries is a threat to traditional Canadian customs and values; One parent can bring up a child as well as two parents together; I never doubt the existence of God; It seems as though minorities want too many rights just for themselves; Abortion should be illegal in all or most cases; Dissent is a critical component of democracy.

Economic score (Pew): The government should help more needy people even if it means going deeper in debt; Government regulation of business usually does more harm than good; Labour unions are necessary to protect the working person; Poor people have become too dependent on government assistance programs; Business corporations make too much profit; The government needs to dramatically reduce inequalities between the rich and poor.