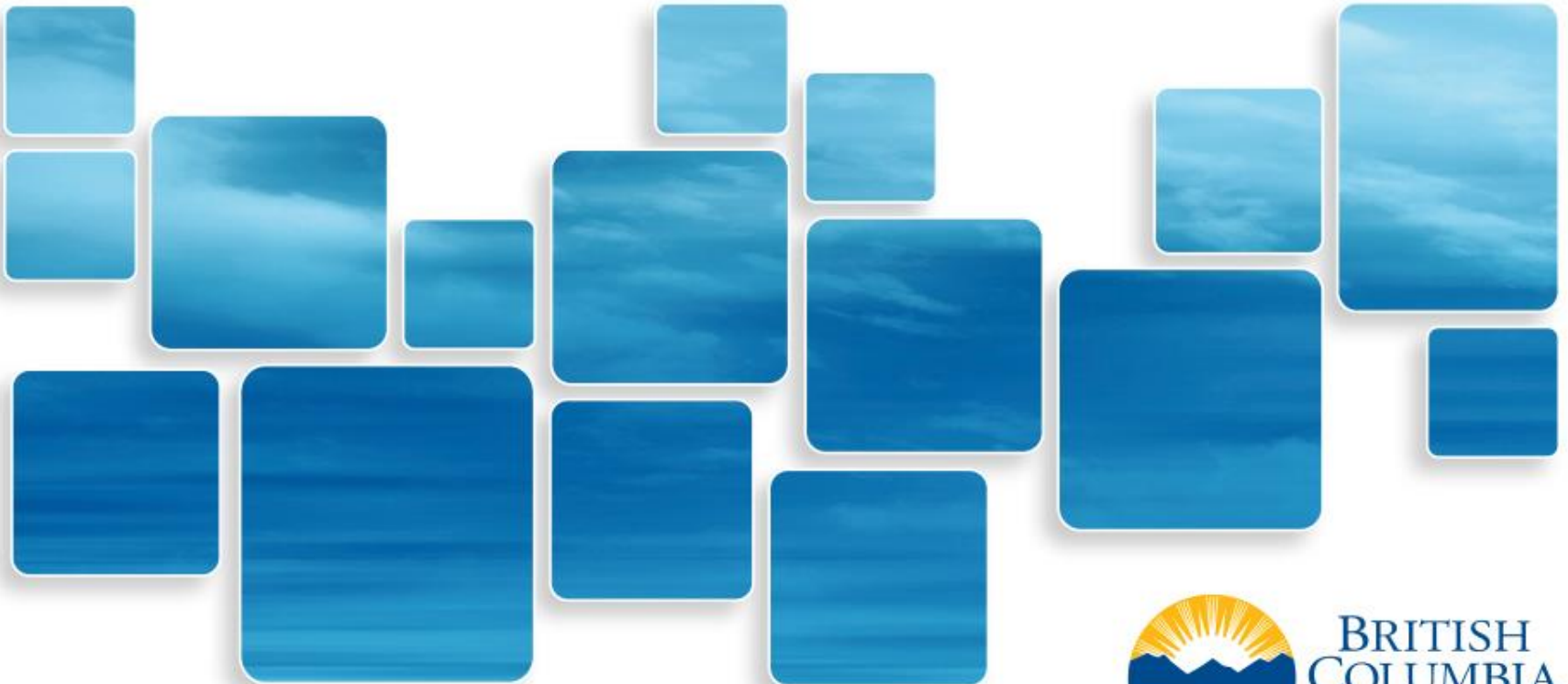


CLIMATE LEADERSHIP PLAN

Results of Public Consultation 1

<Discussion Paper Survey Results>



Agenda

1. Purpose and Timeline
2. Response and Demographics
3. Survey Background
4. Results – Overall Priorities
5. Results – What We Value
6. Results – The Way We Live
7. Results – The Way We Travel
8. Results – The Way We Work

Discussion paper and survey released July 2015

Purpose of 1st public consultation:

- To learn British Columbians' priorities and values for Climate Leadership Plan
- 1st consultation open July 17 - September 14, 2015

Process for Climate Leadership Plan:

- MAY 2015: Climate Leadership Team (CLT) formed to advise government
- JULY: Discussion Paper and 1st public consultation launched
- AUG-DEC: CLT's recommendations and consultation results inform the plan
- JAN 2016: 2nd public consultation
- SPRING: Final Climate Leadership Plan

engage.gov.bc.ca/climateleadership

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Almost 6,000 completed surveys: Jul 17 – Aug 17

Read the
**Discussion
Paper**



Take the
Survey



CLIMATE LEADERSHIP ► Final Engagement Counter

JUL 17, 2015 – AUG 17, 2015

SINCE LAUNCH:

WEBSITE VISITS

14,119

SURVEYS COMPLETED

5,973

DISCUSSION PAPER Downloads

3,968

AVERAGE SITE VISIT min/sec

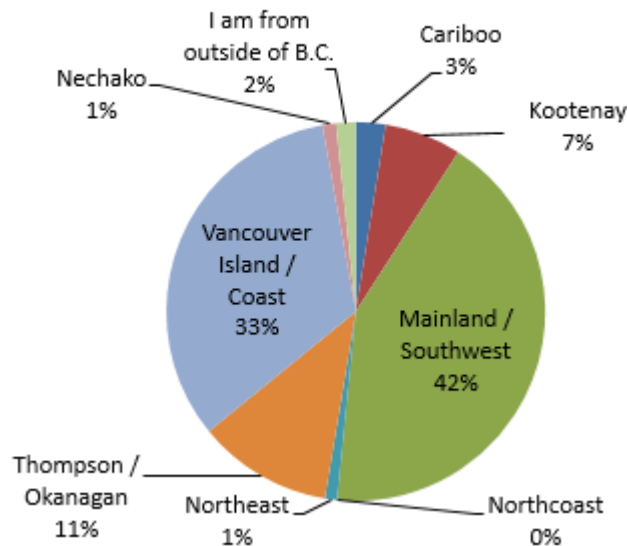
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Over 500 written submissions (including over 300 template letters): July 17 – Sept 14

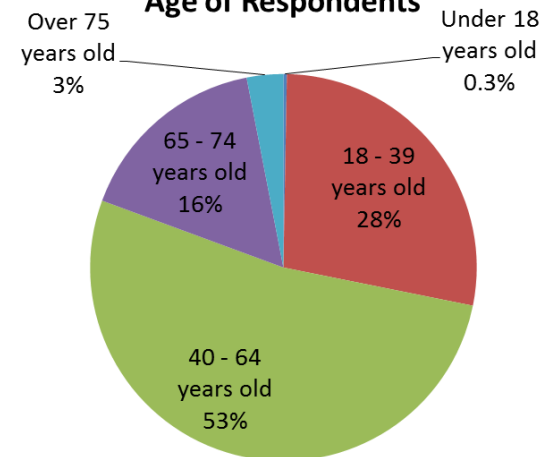
Regions well represented but not all ages

- Typical and representative demographics from regions across B.C.
- Except Age: 40+ was overrepresented, youth underrepresented

Location of Respondents



Age of Respondents






Most respondents see climate change as serious issue

| Question | Agree | Strongly Agree |
|---|-------|----------------|
| I feel I am well informed on climate change | 45% | 42% |
| I feel that climate change is a serious issue | 12% | 80% |

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Survey presented 4 visionary goals for climate action

| AREA OF ACTION | THE FOCUS | THE GOAL |
|--|--|--|
|  <p>1. The Way We Live</p> | Buildings, community design, and waste. | Communities are thriving and resilient in the face of climate change. |
|  <p>2. The Way We Travel</p> | Movement of people and goods. | People and goods move efficiently and reliably, using clean transportation. |
|  <p>3. The Way We Work</p> | Business, industry, products and services. | B.C.'s economy remains strong, and jobs continue to be created, while greenhouse gas emissions fall. |
|  <p>4. What We Value</p> | how we consider the cost of climate change to society when making decisions. | The cost of climate change for society is considered whenever British Columbians make important decisions. |

Survey asked about overall priority for 2020/2050 targets

- In the short term, which of the four goals needs the most immediate attention in order for B.C. to achieve its 2020 targets? Why?
- In the long term, which of the four goals needs the most immediate attention in order for B.C. to achieve its 2050 targets? Why?

| | The Way We Live | The Way We Travel | The Way We Work | What We Value |
|------|--|--|--|---|
| Goal | Communities are thriving and resilient in the face of climate change | People and goods move efficiently and reliably, using clean transportation | B.C.'s economy remains strong, and jobs continue to be created, while GHG emissions fall | The cost of climate change for society is considered whenever British Columbians make important decisions |

Survey also asked about priorities for each of 4 goals

- Question 1: Distribute 10 points across 4 (or 5) priorities to reflect what is most important to you.
- Question 2: If you were to start tomorrow, where would you begin?

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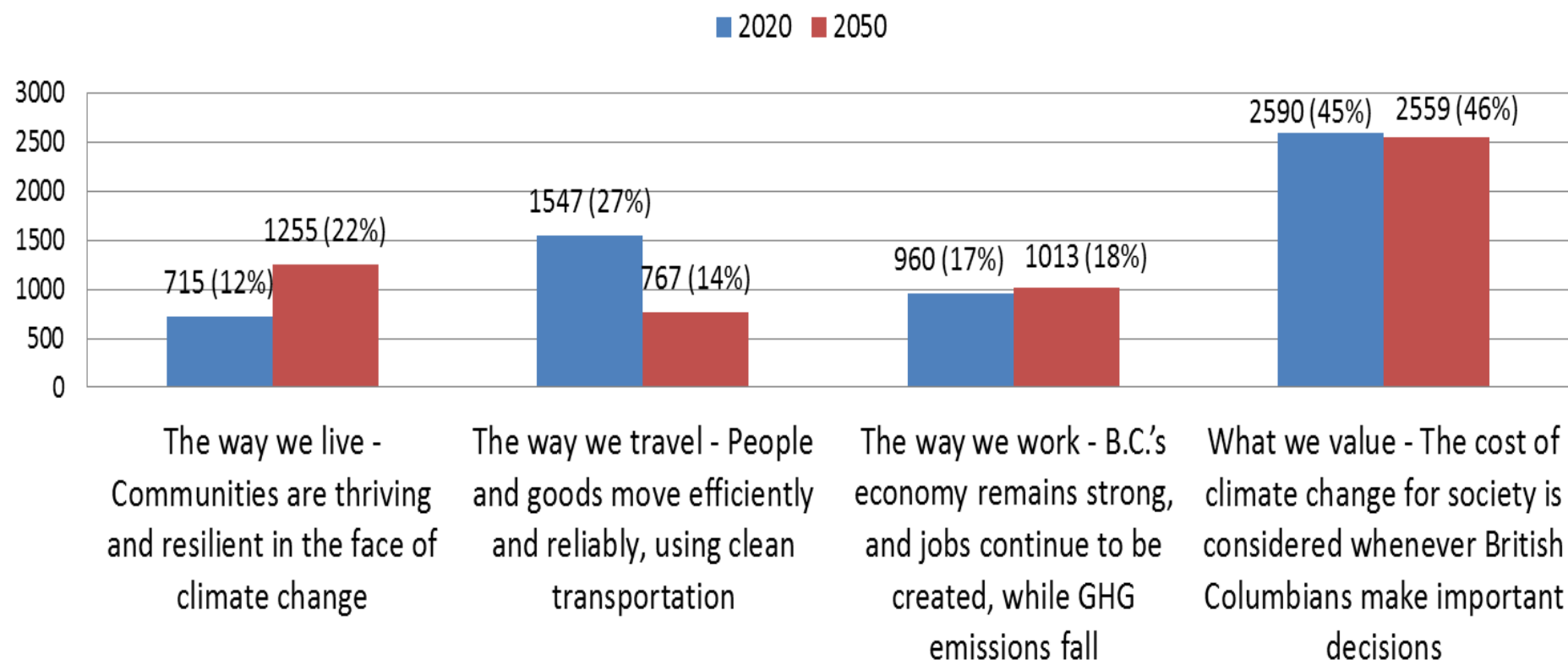
Respondents clearly identified “What We Value” as top priority for cutting emissions

- 45% of respondents feel it is a priority for B.C. to:
 - *Consider the cost of climate change to society when making important decisions to meet both short- and long-term climate goals.*
- Paper described two key ways to consider societal costs:
 - *Using a price on carbon to encourage emission reductions*
 - *Factoring climate risks to people, infrastructure, and our natural environment in major decisions.*

Respondents also identified priorities for transportation in near term and community planning over long term

- Respondents saw Goal 2: “The Way We Travel” as an important priority for 2020 reduction target (27%).
- Respondents saw Goal 1: “The Way We Live” as an important priority for 2050 reduction target (22%).
- Goal 3: “The Way We Work” as a priority was split evenly over time (18%).

Data: Respondents priorities for 2020/2050 targets



[Two Questions]: In the [short/long] term, which of the four goals needs the most immediate attention in order for B.C. to achieve its [2020/2050] targets? Why?

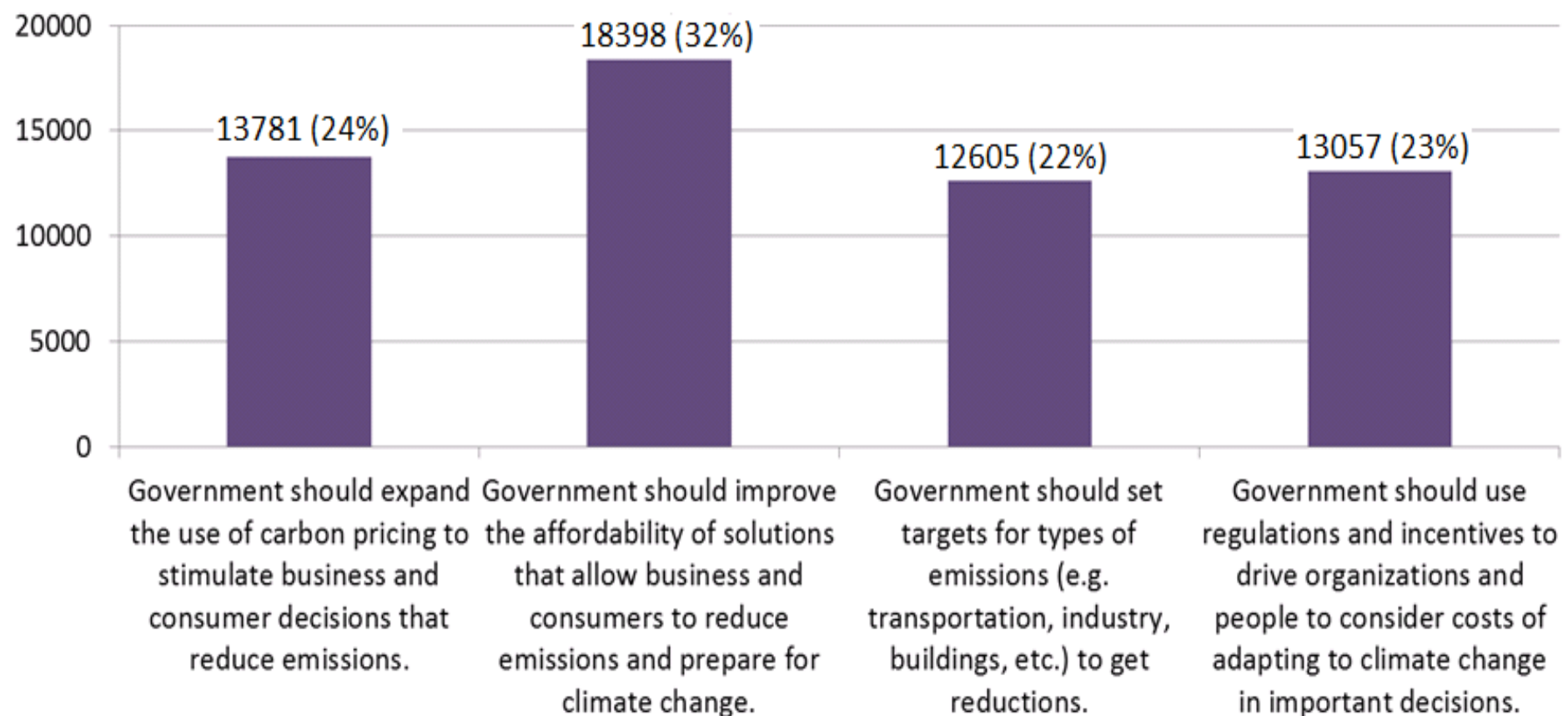
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Respondent priorities for What We Value

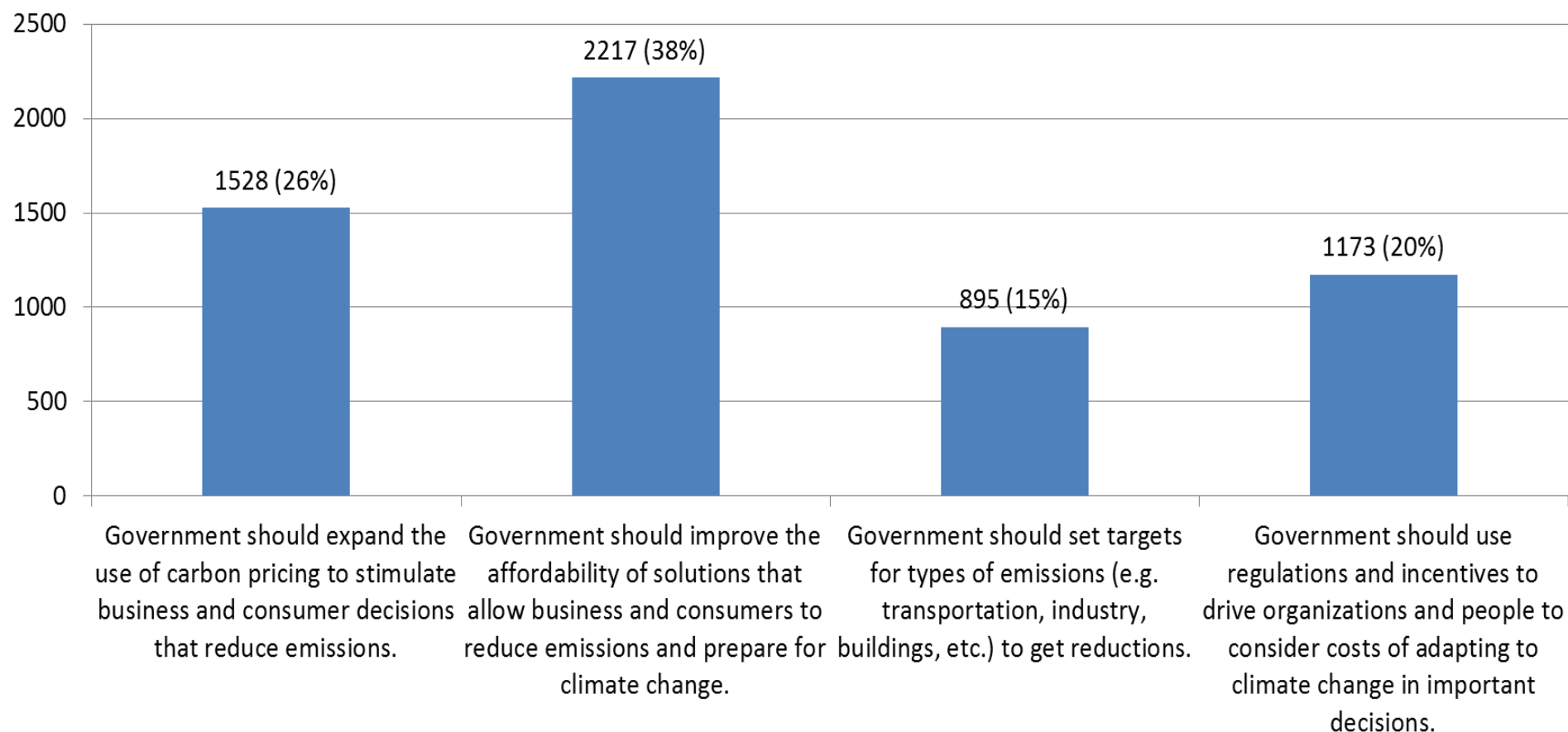
- Top priority with 32% respondent preference
 - *Improve affordability of solutions to address climate change*
- Other three actions seen as next priority with ~23% preference
 - *Expand carbon pricing*
 - *Consider adaptation costs through regulation/incentives*
 - *Set targets for types of emissions*

Data: Respondents priorities for What We Value



Question 1: Distribute 10 points across these four priorities.

Data: Respondents priorities for What We Value



Question 2: Where would you like to begin?

For “What We Value” respondents commented on:

- Values/lifestyle – need to consider the environment in decisions
- Climate policies – carbon tax, regulations and incentives to address climate change
- Roles – need for government action, such as regulating industry, supporting clean energy, and using incentives for green technologies
- Adapting – preparing for current and future changes in climate including weather extremes
- Fossil fuels - issues in pursuing fossil fuel production (upstream and downstream)
- Economy - challenges of balancing economic growth with actions to meet climate targets, including suggestions to focus on green technology
- Clean tech/energy - importance of supporting clean energy and technology to drive change

Comments provided by respondents who chose What We Value as priority goal for reduction targets

In their own words - What We Value

I do think that BC should increase incentives for individuals and companies for adopting greener technology (solar energy, electric and hybrid transportation etc) ...Incentives only need to bridge the gap between the initial investment and long term savings.

Let's just start immediately on being leader's in green technology. We don't have options but fossil fuel.

Climate change can be averted if we start right now not tomorrow.

Each and every decision should be based on the over-riding principle that we MUST reduce GHGs ... every step of the way.

We need to have stronger economic incentives/penalties to encourage reduction of GHG emissions

I don't like taxes but the cost of carbon needs to be raised above \$30/tonne.

Increasing the carbon tax and expanding its coverage is the most effective and efficient way to reduce emissions. It's equitable, and allows the market to effectively reduce emissions. It requires little government regulation and effort...

In their own words - What We Value

Wake up and see where the future is going and capitalize on it.

We need to take swift and aggressive action in terms of policy and regulation to slow climate change beginning immediately.

We need to regulate industry.

Using clean technology, renewable energy to power gas processing is a win-win for BC climate plans and jobs.

The warming of the BC climate will only increase the number and severity of wildfires, removing timber from the resource and lowering the AAC.

Raise the carbon tax ... and use the money to fund transit, help Green-tech companies, build infrastructure for renewable energy and for private electric cars.

Priority for climate change policy is to address climate change through mitigation and adaptation. Economy is less important and must take a loss when climate change and economic goals are incompatible.

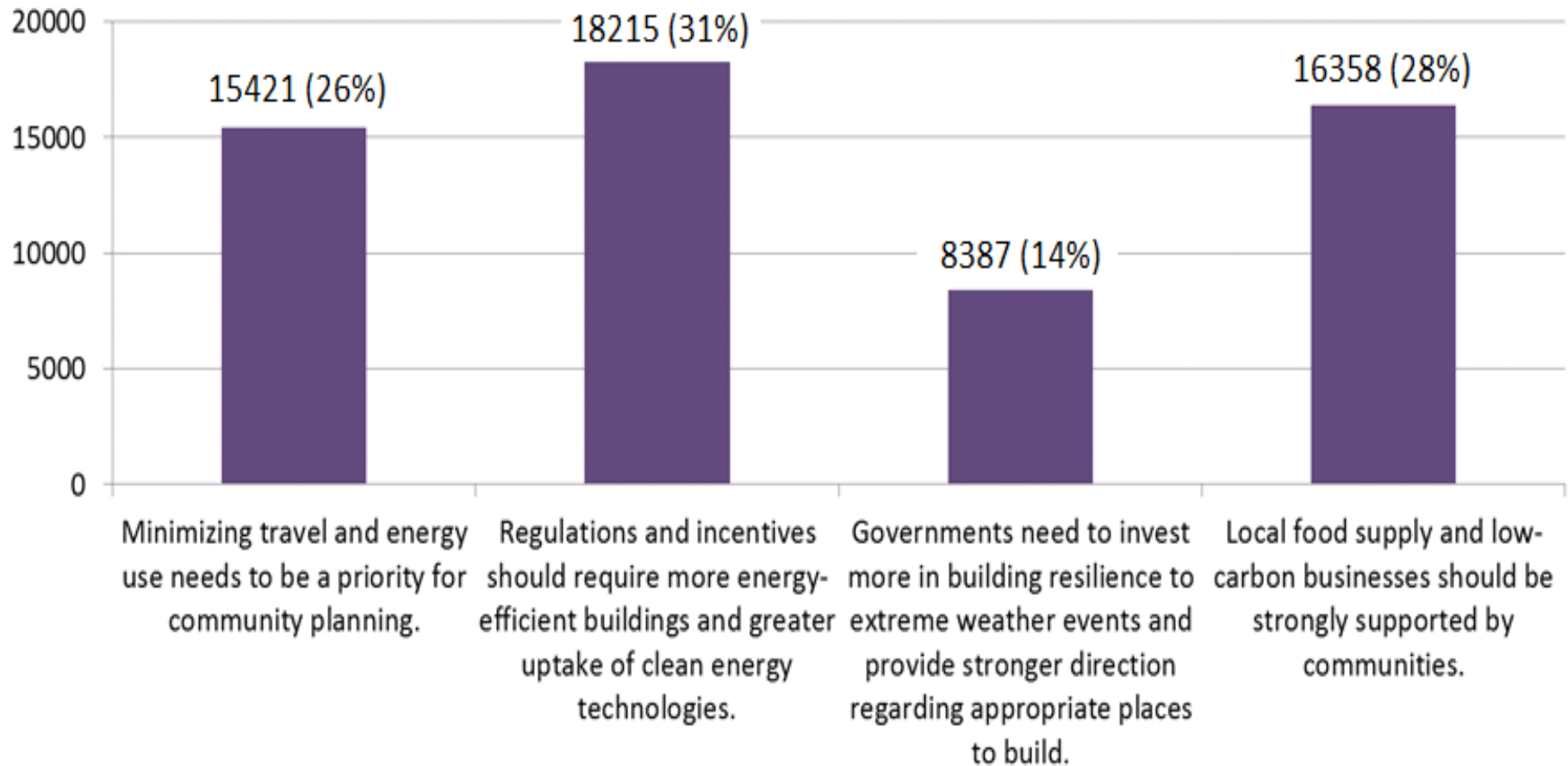
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Respondent priorities for The Way We Live

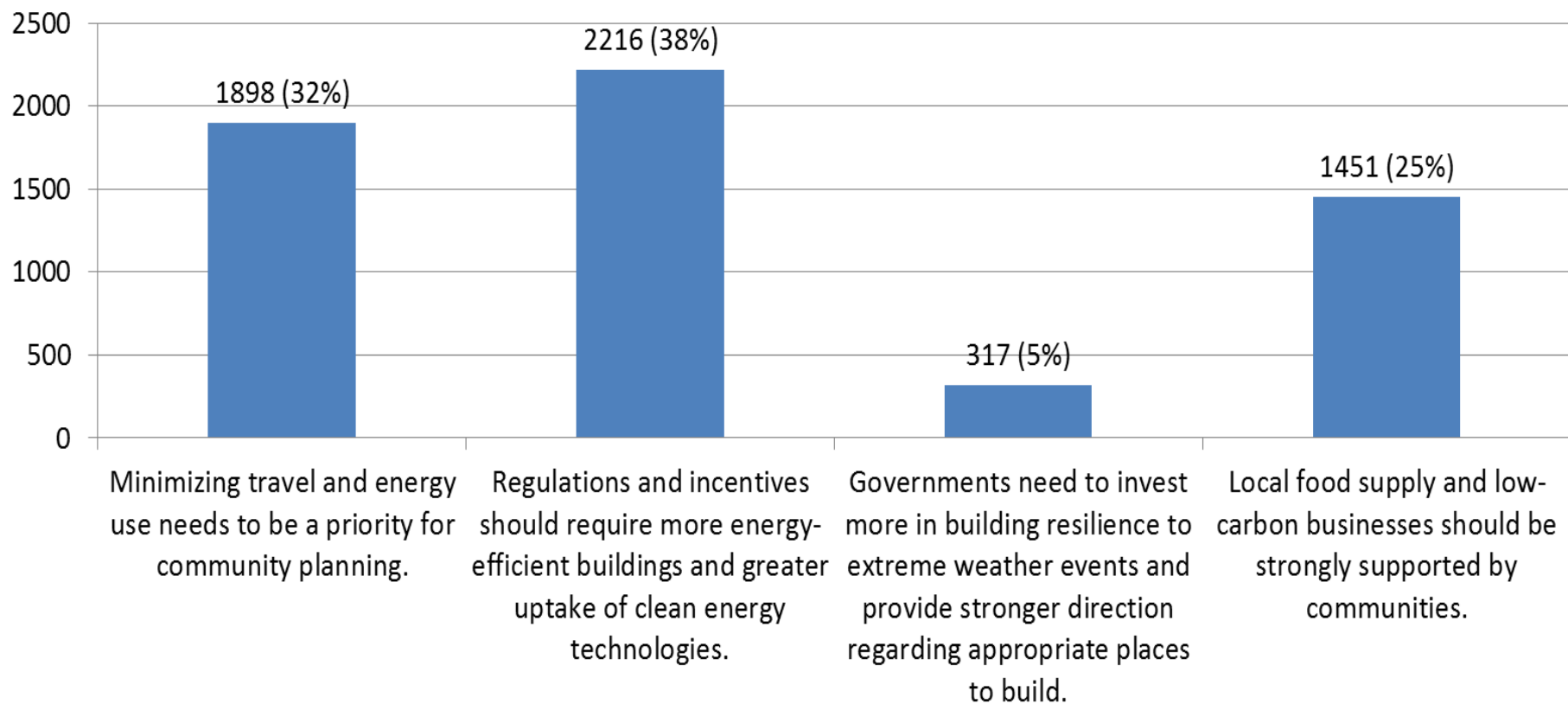
- 3 actions seen as top priorities *with* ~28% preference for each
 - *Regulations and incentives for greener buildings*
 - *Support for local food and low-carbon business*
 - *Less travel and energy use a priority for community planning*

Data: Respondents priorities for The Way We Live



Question 1: Distribute 10 points across these four priorities.

Data: Respondents priorities for The Way We Live



Question 2: Where would you like to begin?

For “The Way We Live” respondents commented on:

- Community – benefits of localized, self-sufficient communities
- Lifestyle – need to make lifestyle changes on broad scale (e.g. local food supply, less energy and waste, new technologies, consumer choice)
- Government action – use of incentives, regulations, carbon pricing and other mechanisms to drive change
- Adapting - need to prepare for the effects of changes in climate in everyday life
- Buildings – long-term nature of buildings and suggested changes, such as those related to building codes, efficiencies, clean technologies
- Roles – suggested roles for government, business, communities and individuals

In their own words – The Way We Live

Complete, compact, and resilient communities are not only more sustainable, but also provide a higher quality of life at a lower cost. This transition will take time as we move away from outdated land use and infrastructure policies, but will be essential in the long-term.

We need to begin doing things differently from previous generations, develop new technologies that we will benefit from locally but also ones that we can export and sell.

We want thriving, vibrant communities that can withstand whatever comes...

Local food supply has to be a priority - it incorporates all four goals to help reduce emissions and achieve economic health.

Adaptation and resilience building can generate co-benefits which will reduce emissions. The cost of climate impacts are huge and adaptation planning needs to be made a priority ...

Industry and government need to take leadership...

In their own words- Way We Live

Now is the time to replace that infrastructure with technology and solutions that mitigate impacts, provide jobs and allow resiliency...

We need programs put in place for building operators and managers so we know how to run these buildings effectively and efficiently.

Better technologies can help, but they are no substitutes for a lower impact lifestyle.

Building codes should be revised to require green buildings and use of technology that is proven.

The effects of climate change as well as the impacts of mitigation and adaptation strategies will play out differently in rural communities than in the urban areas. We need to ensure an equitable approach ...

The majority of emissions come from buildings and travel, and there are known solutions in both

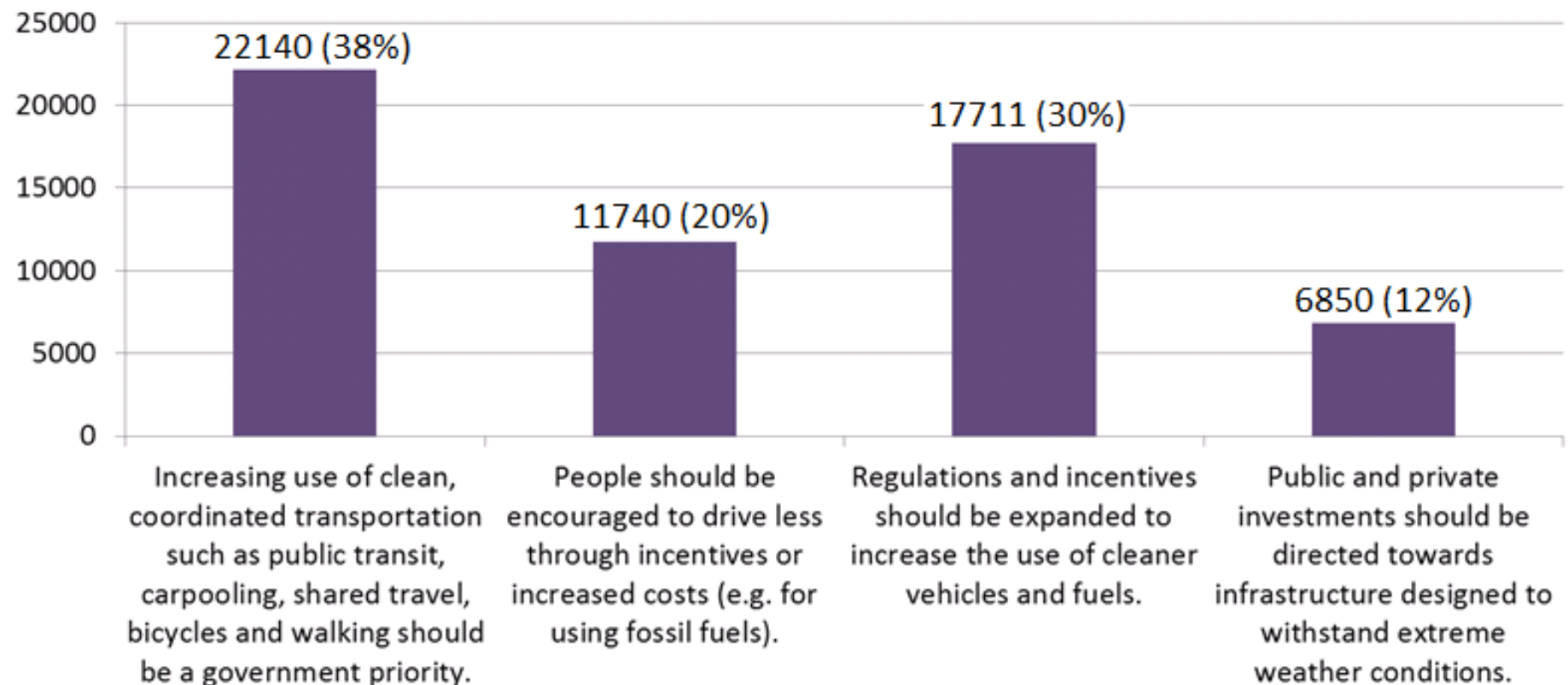
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Respondent priorities for The Way We Travel

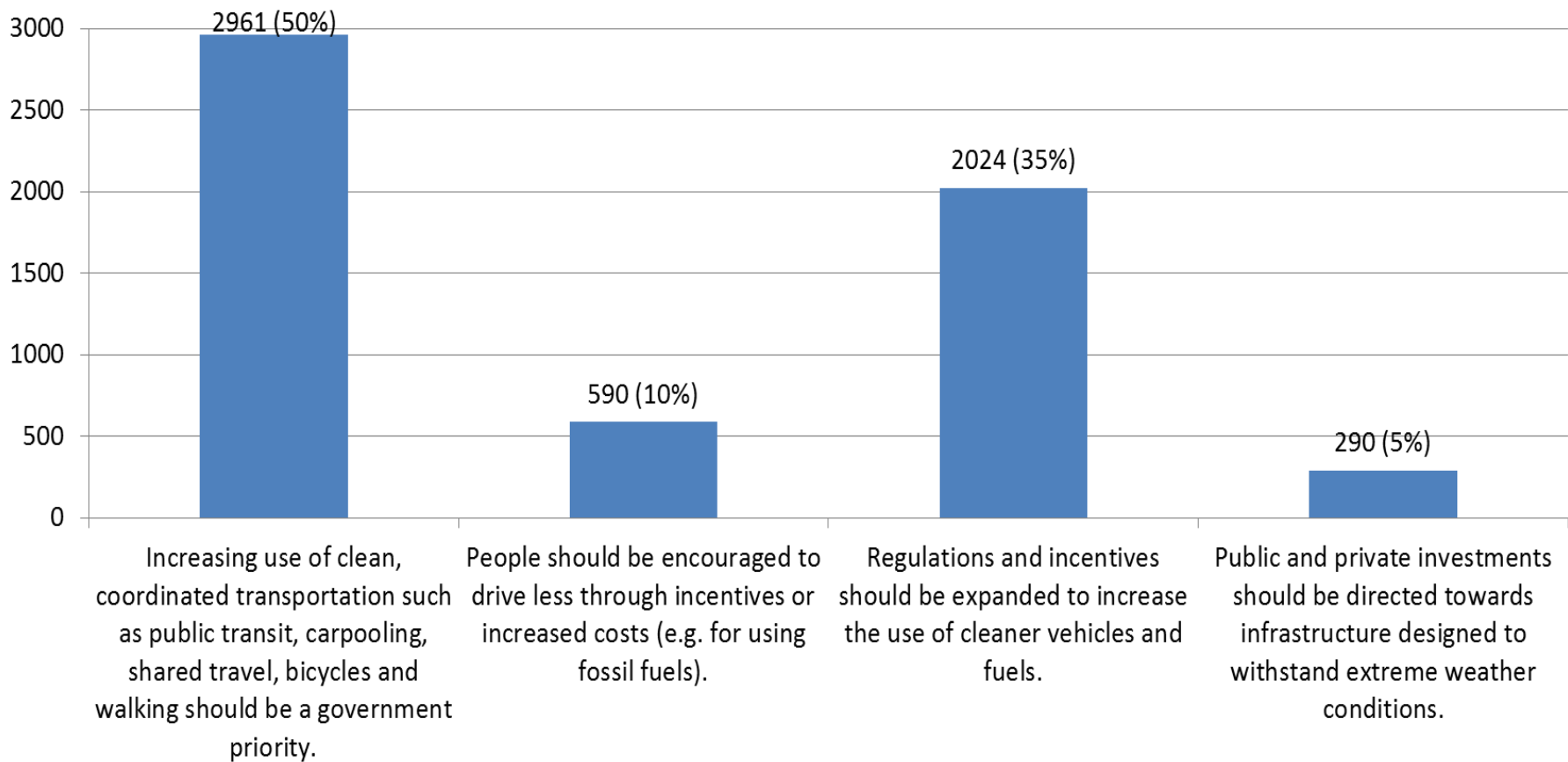
- Top priority with 38% of respondent preference is:
 - *Clean coordinated transportation*
- Next priorities were:
 - *Regulations/incentives for cleaner vehicles and fuels* at 30%
 - *Incentives/increased costs to encourage less driving* at 20%

Data: Respondents priorities for The Way We Travel



Question 1: Distribute 10 points across these four priorities.

Data: Respondents priorities for The Way We Travel



Question 2: Where would you like to begin?

For “The Way We Travel” respondents commented on:

- Transit – funding and expansion for transit, increased connectivity including trains and light rail, and challenges of transit use in rural communities
- Community design – importance of developing compact, accessible, walkable communities and lessening the focus on single occupant vehicle infrastructure
- Lifestyle / active transportation – benefits of supporting a behavioural shift from single occupant vehicle travel to active transportation
- Government policies – incentives for clean energy vehicles and using “polluter pays” taxes to fund public transportation and other low carbon initiatives
- Energy efficiency and clean technology / energy – improving vehicle efficiency and switching to alternative fuels and lower emissions vehicles
- Commercial transport – improving efficiency, and using cleaner fuels and new shipping technologies

Comments provided by respondents who chose The Way We Travel as priority goal for reduction targets

In their own words- Way We Travel

To adopt a new way of living in the long term, need to change our travel and transportation habits but we will not be able to change until more efficient and clean transportation systems are available.

Transportation is a huge driver of climate change. In five years, reducing vehicle traffic and emissions will have a tangible effect.

Government plays a huge role in achieving new efficiencies and reducing GHG emissions through adroit use of combined incentives and mandated efficiency and emission standards with penalties for non-compliance.

Dealing with transit is the quickest way we can effect real change in our GHG emissions.

Where I live, in the lower mainland, we build bigger, better roads to fit more cars instead of providing infrastructure for alternative travel solutions that can accommodate more people.

In their own words- Way We Travel

In order to keep long term emission reductions on track, we need to invest now in major public transit, cycling and walking infrastructure, as these improvements will take years to plan, design and build and to take shape and large-scale behavior change.

Zero Emission Vehicle (ZEV) mandates, EV rebates, EV infrastructure and distance based insurance should be implemented to improve the supply and cost of Evs.

Electric vehicles are the easiest change to implement and will give the most bang for the buck.

Modernized no-emission mass travel options need to be profusely designed and deployed, including options for automated freight transmission network using standard shipping containers and distributed transfer nodes.

Need to make urban centres with appropriate density to make them walkable, and connect each urban centre with the next through a network of mass transit, including a mix of high speed and light rail trains that enable people and goods to move quickly from place to place.

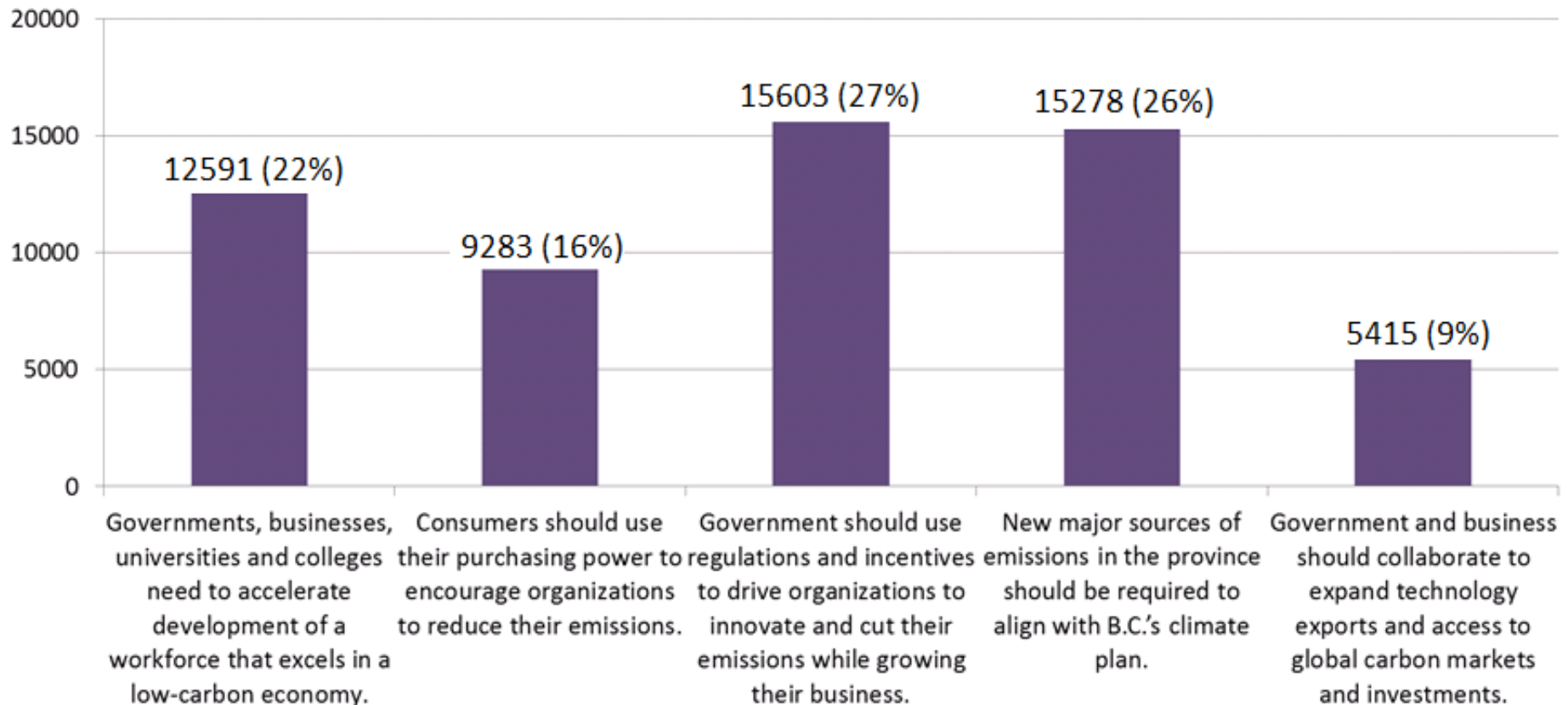
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Respondent priorities for The Way We Work

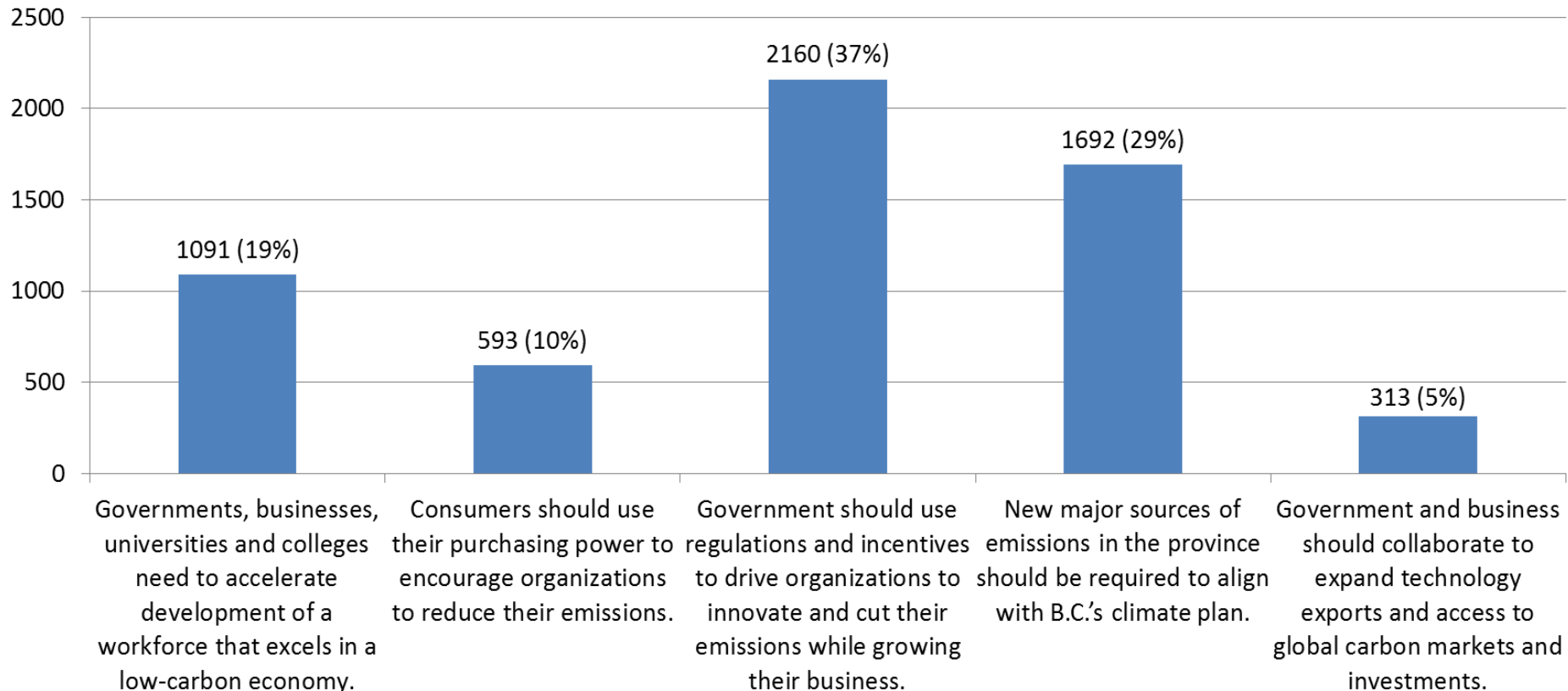
- 3 actions seen as top priorities with ~25% preference for each:
 - Regulations/incentives to innovate and cut emissions
 - New major sources of emissions to align with the climate plan
 - Accelerating development of a low-carbon workforce

Data: Respondents priorities for The Way We Work



Question 1: Distribute 10 points across these four priorities.

Data: Respondents priorities for The Way We Work



Question 2: Where would you like to begin?

For “The Way We Work” respondents commented on:

- Economy – challenge of advancing economic growth and environmental sustainability, and importance of each regarding jobs and well-being
- LNG - expansion of LNG may conflict with B.C.’s climate goals
- Alternative energy and green technology - potential of renewables and clean technology to support economic health as well as emissions reductions
- Industry – challenge of emissions from industry, expansion of the carbon tax for greater scope of industrial emissions
- Fossil fuels – policy regarding fossil fuels, including fossil fuel subsidies, holding industry accountable and shifting towards cleaner energy sources
- Government - increased regulations and incentives, including expanding carbon tax to drive change through economic structure, with focus on industry

In their own words - Way We Work

BC's carbon tax has been a major success and needs to be strengthened. Increase the amount of tax on carbon and make sure that it includes all sources of GHG emissions, including methane and GHG emissions from industrial processes. There can be no special exemptions.

People are most concerned about having an income to survive. But we need to be able to eat, breathe, and drink the water.

The long term challenge I see requiring the greatest source of creativity is to redesign our economy.

Industry in BC accounts for more than 40% of emissions and for British Columbia to have a chance to meet its goals and have a thriving economy we need to transform our resource industries to be the lowest carbon emissions possible.

The government should work to diversify the economy and encourage investments in renewable energy, local manufacturing, and adding value to products before they are exported. Our air and water quality, environmental wellbeing, and First Nations' interests should be top priorities for the government when considering any proposals.

In their own words- Way We Work

The most important consideration for climate change, in my opinion, is that the economy finds a way to function and grow while creating less GHG emissions and doing it on a large scale so that not only do the people of BC see there are new and more efficient ways of doing business but that we be a good example to the rest of Canada and the world.

If our economy weakens we will not be able to progress in reducing GHG emissions because people will be forced to make poorer decisions which may be more financially responsible but less environmentally conscious.

Examine existing subsidies, exempt no industry from paying for their carbon and start exploring job skills that will be useful down the road and start making full cost accounting decisions.

The economy needs to be strong, with good jobs but still caring for our climate.

We need to make sure that all new sources of emissions in the province align with our targets...

Climate Leadership Plan

For more information, please visit
engage.gov.bc.ca/climateleadership

Thank-you for your participation and engagement.

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