

Name	Description	Remarks
Batch	The batch number of the collected data	<b>Data type:</b> Numeric <b>Acceptable values:</b> 1, 2, 3, 4
Type	Type of way the questionnaire returned	<b>Data type:</b> Text <b>Acceptable values:</b> Online Email Mail Event
Group	Stakeholder group. A - Developers, clients and investors B - Estate and facilities managers C - Contractors D - Professional advisors E - Manufacturers and suppliers F - Government and its departments and agencies G - Financers, bankers and mortgage lenders H - Universities and professional bodies N/A means stakeholder group undefined.	<b>Data type:</b> Letter <b>Acceptable values:</b> A to H, N/A
ID	Identifier defined by stakeholder groups. N/A means identifier undefined.	<b>Data type:</b> Text
Q2	Response to question “ <i>Your primary area of practice (please fill one circle only)</i> ” 1 - Developers, clients and investors 2 - Estate and facilities managers 3 - Contractors 4 - Professional advisors 5 - Manufacturers and suppliers 6 - Government and its departments and agencies 7 - Financers, bankers and mortgage lenders 8 - Universities and professional bodies 9 - Others (please specify)	<b>Data type:</b> Numeric <b>Acceptable values:</b> 1, 2, 3, 4, 5, 6, 7, 8, 9
Q2_others	Response to selecting “Others (please specify)” in Q2. N/A means not applicable.	<b>Data type:</b> Text
Q3	Response to question “ <i>Number of years working in the building sector in Hong Kong</i> ” 1 - “0-5”	<b>Data type:</b> Numeric <b>Acceptable values:</b> 1, 2, 3, 4, 5

	2 - “6-9” 3 - “10-19” 4 - “20 and above” 5 - “Not applicable”	
Q4	Response to question “ <i>Number of years of work experience with low or zero carbon building</i> ” 1 - “0-5” 2 - “6-9” 3 - “10-19” 4 - “20 and above” 0 - missing value (no response)	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4
Q5_1	Selection of “BEAM Pro” to question “ <i>Are you a certified green building professional?</i> ” 1 - Selected 0 - Not selected	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1
Q5_2	Selection of “LEED AP” to question “ <i>Are you a certified green building professional?</i> ” 2 - Selected 0 - Not selected	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 2
Q5_3	Selection of “Others (please specify)” to question “ <i>Are you a certified green building professional?</i> ” 3 - Selected 0 - Not selected	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 3
Q5_4	Selection of “No” to question “ <i>Are you a certified green building professional?</i> ” 4 - Selected 0 - Not selected	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 4
Q5_others	Response to selection of “Others (please specify)” to question “ <i>Are you a certified green building professional?</i> ” N/A means not applicable.	<b>Data type:</b> Text
Q6	Response to question “ <i>How would you appraise the statement: Hong Kong is lacking a strategic policy leading to zero carbon?</i> ” 1 - “Strongly disagree” 2 - “Disagree” 3 - “Neutral” 4 - “Agree” 5 - “Strongly agree”	<b>Data type:</b> Numeric <b>Acceptable values:</b> 1, 2, 3, 4, 5

Q7	<p>Response to question “<i>How important do you view the need for a zero carbon building (ZCB) policy for Hong Kong?</i>”</p> <p>1 - “Not important at all”  2 - “Not important”  3 - “Neutral”  4 - “Important”  5 - “Very important”  0 - missing value</p>	<p><b>Data type:</b> Numeric  <b>Acceptable values:</b>  0, 1, 2, 3, 4, 5</p>
Q8	<p>Response to question “<i>How would you appraise the ZCB “Definition” that: A zero carbon building is a building within defined boundaries with zero net energy consumption or zero net carbon emissions during its operational stage on the annual basis?</i>”</p> <p>1 - “Strongly disagree”  2 - “Disagree”  3 - “Neutral”  4 - “Agree”  5 - “Strongly agree”</p>	<p><b>Data type:</b> Numeric  <b>Acceptable values:</b>  1, 2, 3, 4, 5</p>
Q9_1	<p>Selection of “Cooking” to question “<i>What scope of energy use would you think the ZCB definition should cover (please fill as many circles as relevant)?</i>”</p> <p>1 - Selected  0 - Not selected</p>	<p><b>Data type:</b> Numeric  <b>Acceptable values:</b>  0, 1</p>
Q9_2	<p>Selection of “Space conditioning” to question “<i>What scope of energy use would you think the ZCB definition should cover (please fill as many circles as relevant)?</i>”</p> <p>2 - Selected  0 - Not selected</p>	<p><b>Data type:</b> Numeric  <b>Acceptable values:</b>  0, 2</p>
Q9_3	<p>Selection of “Hot water” to question “<i>What scope of energy use would you think the ZCB definition should cover (please fill as many circles as relevant)?</i>”</p> <p>3 - Selected  0 - Not selected</p>	<p><b>Data type:</b> Numeric  <b>Acceptable values:</b>  0, 3</p>
Q9_4	<p>Selection of “Office equipment” to question “<i>What scope of energy use would you think the ZCB</i></p>	<p><b>Data type:</b> Numeric  <b>Acceptable values:</b>  0, 4</p>

	<i>definition should cover (please fill as many circles as relevant)?”</i> 4 - Selected 0 - Not selected	
Q9_5	Selection of “Lighting” to question “ <i>What scope of energy use would you think the ZCB definition should cover (please fill as many circles as relevant)?”</i> 5 - Selected 0 - Not selected	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 5
Q9_6	Selection of “Refrigeration” to question “ <i>What scope of energy use would you think the ZCB definition should cover (please fill as many circles as relevant)?”</i> 6 - Selected 0 - Not selected	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 6
Q9_7	Selection of “Lift & escalator” to question “ <i>What scope of energy use would you think the ZCB definition should cover (please fill as many circles as relevant)?”</i> 7 - Selected 0 - Not selected	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 7
Q9_8	Selection of “Water pump” to question “ <i>What scope of energy use would you think the ZCB definition should cover (please fill as many circles as relevant)?”</i> 8 - Selected 0 - Not selected	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 8
Q9_9	Selection of “Communal area” to question “ <i>What scope of energy use would you think the ZCB definition should cover (please fill as many circles as relevant)?”</i> 9 - Selected 0 - Not selected	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 9
Q9_10	Selection of “Others (please specify)” to question “ <i>What scope of energy use would you think the ZCB definition should cover (please fill as many circles as relevant)?”</i> 10 - Selected 0 - Not selected	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 10

Q9_others	Response to selection of “Others (please specify)” to question “ <i>What scope of energy use would you think the ZCB definition should cover (please fill as many circles as relevant)?</i> ” N/A means not applicable.	<b>Data type:</b> Text
Q10	Response to question “ <i>How would you appraise Statement: The ZCB policy timeline should first target the public sector and then the private one?</i> ” 1 - “Strongly disagree” 2 - “Disagree” 3 - “Neutral” 4 - “Agree” 5 - “Strongly agree”	<b>Data type:</b> Numeric <b>Acceptable values:</b> 1, 2, 3, 4, 5
Q11	Response to question “ <i>How would you appraise Statement: The ZCB policy timeline should first target residential buildings and then non-residential?</i> ” 1 - “Strongly disagree” 2 - “Disagree” 3 - “Neutral” 4 - “Agree” 5 - “Strongly agree” 0 - missing value	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5
Q12a	Response to policy target and timeline of “All public residential buildings (new-build) by 2025” in question “ <i>How would you appraise the achievability of the following proposed Target and Timeline of the ZCB policy for Hong Kong?</i> ” 1 - “Highly not achievable” 2 - “Not achievable” 3 - “Neutral” 4 - “Achievable” 5 - “Highly achievable” 0 - missing value	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5
Q12b	Response to policy target and timeline of “All private residential buildings (new-build) by 2030” in question “ <i>How would you appraise the achievability of the following proposed Target and Timeline of the ZCB policy for Hong Kong?</i> ” 1 - “Highly not achievable”	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5

	2 - “Not achievable” 3 - “Neutral” 4 - “Achievable” 5 - “Highly achievable” 0 - missing value	
Q12c	Response to policy target and timeline of “All public non-residential buildings (new-build) by 2030” in question “ <i>How would you appraise the achievability of the following proposed Target and Timeline of the ZCB policy for Hong Kong?</i> ” 1 - “Highly not achievable” 2 - “Not achievable” 3 - “Neutral” 4 - “Achievable” 5 - “Highly achievable” 0 - missing value	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5
Q12d	Response to policy target and timeline of “All private non-residential buildings (new-build) by 2035” in question “ <i>How would you appraise the achievability of the following proposed Target and Timeline of the ZCB policy for Hong Kong?</i> ” 1 - “Highly not achievable” 2 - “Not achievable” 3 - “Neutral” 4 - “Achievable” 5 - “Highly achievable” 0 - missing value	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5
Q12e	Response to policy target and timeline of “All public residential buildings (existing) by 2040” in question “ <i>How would you appraise the achievability of the following proposed Target and Timeline of the ZCB policy for Hong Kong?</i> ” 1 - “Highly not achievable” 2 - “Not achievable” 3 - “Neutral” 4 - “Achievable” 5 - “Highly achievable” 0 - missing value	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5

Q12f	<p>Response to policy target and timeline of “All private residential buildings (existing) by 2045” in question “<i>How would you appraise the achievability of the following proposed Target and Timeline of the ZCB policy for Hong Kong?</i>”</p> <p>1 - “Highly not achievable”  2 - “Not achievable”  3 - “Neutral”  4 - “Achievable”  5 - “Highly achievable”  0 - missing value</p>	<p><b>Data type:</b> Numeric  <b>Acceptable values:</b>  0, 1, 2, 3, 4, 5</p>
Q12g	<p>Response to policy target and timeline of “All public non-residential buildings (existing) by 2045” in question “<i>How would you appraise the achievability of the following proposed Target and Timeline of the ZCB policy for Hong Kong?</i>”</p> <p>1 - “Highly not achievable”  2 - “Not achievable”  3 - “Neutral”  4 - “Achievable”  5 - “Highly achievable”  0 - missing value</p>	<p><b>Data type:</b> Numeric  <b>Acceptable values:</b>  0, 1, 2, 3, 4, 5</p>
Q12h	<p>Response to policy target and timeline of “All private non-residential buildings (existing) by 2050” in question “<i>How would you appraise the achievability of the following proposed Target and Timeline of the ZCB policy for Hong Kong?</i>”</p> <p>1 - “Highly not achievable”  2 - “Not achievable”  3 - “Neutral”  4 - “Achievable”  5 - “Highly achievable”  0 - missing value</p>	<p><b>Data type:</b> Numeric  <b>Acceptable values:</b>  0, 1, 2, 3, 4, 5</p>
Q12_comments	<p>Additional comments to question “<i>How would you appraise the achievability of the following proposed Target and Timeline of the ZCB policy for Hong Kong?</i>” N/A means not applicable.</p>	<p><b>Data type:</b> Text</p>

Q13	<p>Response to question “<i>How would you agree on the use of ‘kgCO<sub>2</sub>/m<sup>2</sup>/year’ and ‘kWh/m<sup>2</sup>/year’ as ‘Measure and Indicators’ for carbon emission and energy consumption targets set in the ZCB policy?</i>”</p> <p>1 - “Strongly disagree”  2 - “Disagree”  3 - “Neutral”  4 - “Agree”  5 - “Strongly agree”  0 - missing value</p>	<p><b>Data type:</b> Numeric  <b>Acceptable values:</b>  0, 1, 2, 3, 4, 5</p>
Q13_others	Proposed other measure and indicator to Q13. N/A means not applicable.	<b>Data type:</b> Text
Q14_rank1	<p>Response to ranking of “user behavior” to question “<i>How would you rank the following strategies for achieving net zero carbon in the ZCB policy for HK? (Fill 1-7, 1 for most important)</i>” 0 means the item was not ranked by the respondent.</p>	<p><b>Data type:</b> Numeric  <b>Acceptable values:</b>  0, 1, 2, 3, 4, 5, 6, 7</p>
Q14_rank2	<p>Response to ranking of “building envelope energy efficiency” to question “<i>How would you rank the following strategies for achieving net zero carbon in the ZCB policy for HK? (Fill 1-7, 1 for most important)</i>” 0 means the item was not ranked by the respondent.</p>	<p><b>Data type:</b> Numeric  <b>Acceptable values:</b>  0, 1, 2, 3, 4, 5, 6, 7</p>
Q14_rank3	<p>Response to ranking of “HVAC energy efficiency” to question “<i>How would you rank the following strategies for achieving net zero carbon in the ZCB policy for HK? (Fill 1-7, 1 for most important)</i>” 0 means the item was not ranked by the respondent.</p>	<p><b>Data type:</b> Numeric  <b>Acceptable values:</b>  0, 1, 2, 3, 4, 5, 6, 7</p>
Q14_rank4	<p>Response to ranking of “office equipment efficiency” to question “<i>How would you rank the following strategies for achieving net zero carbon in the ZCB policy for HK? (Fill 1-7, 1 for most important)</i>” 0 means the item was not ranked by the respondent.</p>	<p><b>Data type:</b> Numeric  <b>Acceptable values:</b>  0, 1, 2, 3, 4, 5, 6, 7</p>
Q14_rank5	<p>Response to ranking of “on-site renewable energy” to question “<i>How would you rank the following strategies for achieving net zero carbon in the ZCB policy for HK? (Fill 1-7, 1 for most important)</i>” 0 means the item was not ranked by the respondent.</p>	<p><b>Data type:</b> Numeric  <b>Acceptable values:</b>  0, 1, 2, 3, 4, 5, 6, 7</p>



Q14_rank6	Response to ranking of “offsite renewable energy” to question “ <i>How would you rank the following strategies for achieving net zero carbon in the ZCB policy for HK? (Fill 1-7, 1 for most important)</i> ” 0 means the item was not ranked by the respondent.	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5, 6, 7
Q14_rank7	Response to ranking of “Please specify and rank any other strategy” to question “ <i>How would you rank the following strategies for achieving net zero carbon in the ZCB policy for HK? (Fill 1-7, 1 for most important)</i> ” 0 means no other strategy proposed.	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5, 6, 7
Q14_others	Proposed any other strategy. N/A means not applicable.	<b>Data type:</b> Text
Q15a	Response to renewable energy of “solar energy (on-site), e.g. building integrated PV” in question “ <i>How would you appraise the use of the following proposed “Renewable Energy” that may be stipulated in the ZCB policy?</i> ” 1 - “Highly not achievable” 2 - “Not achievable” 3 - “Neutral” 4 - “Achievable” 5 - “Highly achievable” 0 - missing value	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5
Q15b	Response to renewable energy of “solar energy (offsite), e.g. solar farm” in question “ <i>How would you appraise the use of the following proposed “Renewable Energy” that may be stipulated in the ZCB policy?</i> ” 1 - “Highly not achievable” 2 - “Not achievable” 3 - “Neutral” 4 - “Achievable” 5 - “Highly achievable” 0 - missing value	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5
Q15c	Response to renewable energy of “wind energy (on-site), e.g. small wind turbine” in question “ <i>How would you appraise the use of the following proposed</i> ”	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5

	<p><i>“Renewable Energy” that may be stipulated in the ZCB policy?”</i></p> <p>1 - “Highly not achievable”  2 - “Not achievable”  3 - “Neutral”  4 - “Achievable”  5 - “Highly achievable”  0 - missing value</p>	
Q15d	<p>Response to renewable energy of “wind energy (offsite), e.g. wind farm” in question <i>“How would you appraise the use of the following proposed “Renewable Energy” that may be stipulated in the ZCB policy?”</i></p> <p>1 - “Highly not achievable”  2 - “Not achievable”  3 - “Neutral”  4 - “Achievable”  5 - “Highly achievable”  0 - missing value</p>	<p><b>Data type:</b> Numeric  <b>Acceptable values:</b>  0, 1, 2, 3, 4, 5</p>
Q15e	<p>Response to renewable energy of “biogas (on-site), e.g. site-based combined cooling, heat and power (CCHP) plant” in question <i>“How would you appraise the use of the following proposed “Renewable Energy” that may be stipulated in the ZCB policy?”</i></p> <p>1 - “Highly not achievable”  2 - “Not achievable”  3 - “Neutral”  4 - “Achievable”  5 - “Highly achievable”</p>	<p><b>Data type:</b> Numeric  <b>Acceptable values:</b>  0, 1, 2, 3, 4, 5</p>
Q15f	<p>Response to renewable energy of “biogas (off-site), e.g. district CCHP” in question <i>“How would you appraise the use of the following proposed “Renewable Energy” that may be stipulated in the ZCB policy?”</i></p> <p>1 - “Highly not achievable”  2 - “Not achievable”  3 - “Neutral”  4 - “Achievable”</p>	<p><b>Data type:</b> Numeric  <b>Acceptable values:</b>  1, 2, 3, 4, 5</p>

	5 - “Highly achievable”	
Q15g	<p>Response to renewable energy of “bio-diesel (on-site), e.g. site CCHP” in question “<i>How would you appraise the use of the following proposed “Renewable Energy” that may be stipulated in the ZCB policy?</i>”</p> <p>1 - “Highly not achievable”  2 - “Not achievable”  3 - “Neutral”  4 - “Achievable”  5 - “Highly achievable”</p>	<p><b>Data type:</b> Numeric  <b>Acceptable values:</b>  1, 2, 3, 4, 5</p>
Q15h	<p>Response to renewable energy of “bio-diesel (off-site), e.g. district CCHP” in question “<i>How would you appraise the use of the following proposed “Renewable Energy” that may be stipulated in the ZCB policy?</i>”</p> <p>1 - “Highly not achievable”  2 - “Not achievable”  3 - “Neutral”  4 - “Achievable”  5 - “Highly achievable”</p>	<p><b>Data type:</b> Numeric  <b>Acceptable values:</b>  1, 2, 3, 4, 5</p>
Q15i	<p>Response to renewable energy of “Hydropower” in question “<i>How would you appraise the use of the following proposed “Renewable Energy” that may be stipulated in the ZCB policy?</i>”</p> <p>1 - “Highly not achievable”  2 - “Not achievable”  3 - “Neutral”  4 - “Achievable”  5 - “Highly achievable”</p>	<p><b>Data type:</b> Numeric  <b>Acceptable values:</b>  1, 2, 3, 4, 5</p>
Q15j	<p>Response to renewable energy of “Any others, please specify” in question “<i>How would you appraise the use of the following proposed “Renewable Energy” that may be stipulated in the ZCB policy?</i>”</p> <p>1 - “Highly not achievable”  2 - “Not achievable”  3 - “Neutral”  4 - “Achievable”  5 - “Highly achievable”</p>	<p><b>Data type:</b> Numeric  <b>Acceptable values:</b>  0, 1, 2, 3, 4, 5</p>

	0 means not proposed any other renewable energy.	
Q15_others	Specified other renewable energy. N/A means not applicable.	<b>Data type:</b> Text
Q16	Response to question “ <i>How would you evaluate the difficulty with implementing the proposed ZCB policy in Hong Kong?</i> ” 1 - “Very difficult” 2 - “Difficult” 3 - “Neutral” 4 - “Not difficult” 5 - “Not difficult at all” 0 - missing value	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5
Q17	Response to question “ <i>How would you evaluate the difficulty with implementing the proposed ZCB policy in Hong Kong?</i> ” 1 - “Very weak” 2 - “Weak” 3 - “Neutral” 4 - “Strong” 5 - “Very strong” 0 - missing value	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5
Q18	Response to question “ <i>How would you describe the willingness of the public in Hong Kong to support the ZCB policy?</i> ” 1 - “Very weak” 2 - “Weak” 3 - “Neutral” 4 - “Strong” 5 - “Very strong” 0 - missing value	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5
Q19	Response to question “ <i>How would you evaluate the influence of the proposed ZCB policy to the sustainable development of Hong Kong?</i> ” 1 - “Very weak” 2 - “Weak” 3 - “Neutral” 4 - “Strong” 5 - “Very strong”	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5

	0 - missing value	
Q20a	<p>Response to the perceived importance of opportunity “cut down building energy consumption” from formulating and implementing the ZCB policy for Hong Kong</p> <p>1 - “Not important”  2 - “Somewhat important”  3 - “Important”  4 - “Very important”  5 - “Extremely important”  0 - missing value</p>	<p><b>Data type:</b> Numeric  <b>Acceptable values:</b>  0, 1, 2, 3, 4, 5</p>
Q20b	<p>Response to the perceived importance of opportunity “reduce building carbon emissions” from formulating and implementing the ZCB policy for Hong Kong</p> <p>1 - “Not important”  2 - “Somewhat important”  3 - “Important”  4 - “Very important”  5 - “Extremely important”  0 - missing value</p>	<p><b>Data type:</b> Numeric  <b>Acceptable values:</b>  0, 1, 2, 3, 4, 5</p>
Q20c	<p>Response to the perceived importance of opportunity “promote uptake of green building and inform BEAM Plus revisions” from formulating and implementing the ZCB policy for Hong Kong</p> <p>1 - “Not important”  2 - “Somewhat important”  3 - “Important”  4 - “Very important”  5 - “Extremely important”  0 - missing value</p>	<p><b>Data type:</b> Numeric  <b>Acceptable values:</b>  0, 1, 2, 3, 4, 5</p>
Q20d	<p>Response to the perceived importance of opportunity “stimulate the market to innovate and adapt to low carbon technologies” from formulating and implementing the ZCB policy for Hong Kong</p> <p>1 - “Not important”  2 - “Somewhat important”  3 - “Important”  4 - “Very important”</p>	<p><b>Data type:</b> Numeric  <b>Acceptable values:</b>  0, 1, 2, 3, 4, 5</p>

	5 - “Extremely important” 0 - missing value	
Q20e	Response to the perceived importance of opportunity “support the achievement of HK Energy Saving Plan 2015-2025” from formulating and implementing the ZCB policy for Hong Kong 1 - “Not important” 2 - “Somewhat important” 3 - “Important” 4 - “Very important” 5 - “Extremely important” 0 - missing value	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5
Q20f	Response to the perceived importance of opportunity “support the implementation of Building Energy Codes and Buildings Energy Efficiency Ordinance” from formulating and implementing the ZCB policy for Hong Kong 1 - “Not important” 2 - “Somewhat important” 3 - “Important” 4 - “Very important” 5 - “Extremely important” 0 - missing value	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5
Q20g	Response to the perceived importance of opportunity “support the achievement of sustainable development of the city” from formulating and implementing the ZCB policy for Hong Kong 1 - “Not important” 2 - “Somewhat important” 3 - “Important” 4 - “Very important” 5 - “Extremely important” 0 - missing value	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5
Q20h	Response to the perceived importance of opportunity “promote skills and employment” from formulating and implementing the ZCB policy for Hong Kong 1 - “Not important” 2 - “Somewhat important”	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5

	3 - “Important” 4 - “Very important” 5 - “Extremely important” 0 - missing value	
Q20i	Response to the perceived importance of opportunity “raise the public awareness of sustainable living” from formulating and implementing the ZCB policy for Hong Kong 1 - “Not important” 2 - “Somewhat important” 3 - “Important” 4 - “Very important” 5 - “Extremely important” 0 - missing value	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5
Q20j	Response to the perceived importance of opportunity “bring new development opportunities for young generations” from formulating and implementing the ZCB policy for Hong Kong 1 - “Not important” 2 - “Somewhat important” 3 - “Important” 4 - “Very important” 5 - “Extremely important” 0 - missing value	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5
Q20k	Response to the perceived importance of opportunity “promote the development of renewable energies in HK” from formulating and implementing the ZCB policy for Hong Kong 1 - “Not important” 2 - “Somewhat important” 3 - “Important” 4 - “Very important” 5 - “Extremely important” 0 - missing value	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5
Q20l	Response to the perceived importance of opportunity “promote the strategic urban planning for long-term city development” from formulating and implementing the ZCB policy for Hong Kong	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5

	1 - “Not important” 2 - “Somewhat important” 3 - “Important” 4 - “Very important” 5 - “Extremely important” 0 - missing value	
Q20_others	Response to the perceived importance of any other opportunity raised by the respondent from formulating and implementing the ZCB policy for Hong Kong 1 - “Not important” 2 - “Somewhat important” 3 - “Important” 4 - “Very important” 5 - “Extremely important” 0 means no raised any other opportunity.	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5
Q20_comments	Any other opportunity raised by the respondent. N/A means no applicable.	<b>Data type:</b> Text
Q21a	Response to the perceived significance of risk “lack of industrial experiences/skilled labours to fulfill the ZCB policy” of formulating and implementing the ZCB policy for Hong Kong 1 - “Not significant” 2 - “Somewhat significant” 3 - “Significant” 4 - “Very significant” 5 - “Extremely significant” 0 - missing value	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5
Q21b	Response to the perceived significance of risk “lack of understanding of low or zero carbon systems and technologies to fulfil the policy” of formulating and implementing the ZCB policy for Hong Kong 1 - “Not significant” 2 - “Somewhat significant” 3 - “Significant” 4 - “Very significant” 5 - “Extremely significant” 0 - missing value	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5



Q21c	<p>Response to the perceived significance of risk “resistance of practitioners to support the policy due to unsure benefits” of formulating and implementing the ZCB policy for Hong Kong</p> <p>1 - “Not significant”  2 - “Somewhat significant”  3 - “Significant”  4 - “Very significant”  5 - “Extremely significant”  0 - missing value</p>	<p><b>Data type:</b> Numeric  <b>Acceptable values:</b>  0, 1, 2, 3, 4, 5</p>
Q21d	<p>Response to the perceived significance of risk “misunderstanding of the proposed ZCB policy” of formulating and implementing the ZCB policy for Hong Kong</p> <p>1 - “Not significant”  2 - “Somewhat significant”  3 - “Significant”  4 - “Very significant”  5 - “Extremely significant”  0 - missing value</p>	<p><b>Data type:</b> Numeric  <b>Acceptable values:</b>  0, 1, 2, 3, 4, 5</p>
Q21e	<p>Response to the perceived significance of risk “potential conflict with other sustainability objectives” of formulating and implementing the ZCB policy for Hong Kong</p> <p>1 - “Not significant”  2 - “Somewhat significant”  3 - “Significant”  4 - “Very significant”  5 - “Extremely significant”  0 - missing value</p>	<p><b>Data type:</b> Numeric  <b>Acceptable values:</b>  0, 1, 2, 3, 4, 5</p>
Q21f	<p>Response to the perceived significance of risk “potential conflict with other aspects of building codes/regulations” of formulating and implementing the ZCB policy for Hong Kong</p> <p>1 - “Not significant”  2 - “Somewhat significant”  3 - “Significant”  4 - “Very significant”</p>	<p><b>Data type:</b> Numeric  <b>Acceptable values:</b>  0, 1, 2, 3, 4, 5</p>

	5 - “Extremely significant” 0 - missing value	
Q21g	Response to the perceived significance of risk “potential conflict with existing Building Energy Codes and Regulations” of formulating and implementing the ZCB policy for Hong Kong 1 - “Not significant” 2 - “Somewhat significant” 3 - “Significant” 4 - “Very significant” 5 - “Extremely significant” 0 - missing value	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5
Q21h	Response to the perceived significance of risk “non-compliance with the proposed policy” of formulating and implementing the ZCB policy for Hong Kong 1 - “Not significant” 2 - “Somewhat significant” 3 - “Significant” 4 - “Very significant” 5 - “Extremely significant” 0 - missing value	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5
Q21i	Response to the perceived significance of risk “impact on the old generations in industry” of formulating and implementing the ZCB policy for Hong Kong 1 - “Not significant” 2 - “Somewhat significant” 3 - “Significant” 4 - “Very significant” 5 - “Extremely significant” 0 - missing value	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5
Q21j	Response to the perceived significance of risk “the zero carbon target might slow down economic growth” of formulating and implementing the ZCB policy for Hong Kong 1 - “Not significant” 2 - “Somewhat significant” 3 - “Significant” 4 - “Very significant”	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5

	5 - “Extremely significant” 0 - missing value	
Q21k	Response to the perceived significance of risk “institutional barriers in terms of poor data access and sharing” of formulating and implementing the ZCB policy for Hong Kong 1 - “Not significant” 2 - “Somewhat significant” 3 - “Significant” 4 - “Very significant” 5 - “Extremely significant” 0 - missing value	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5
Q21l	Response to the perceived significance of risk “difficulties due to the high-rise high-density urban environment of HK” of formulating and implementing the ZCB policy for Hong Kong 1 - “Not significant” 2 - “Somewhat significant” 3 - “Significant” 4 - “Very significant” 5 - “Extremely significant” 0 - missing value	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5
Q21m	Response to the perceived significance of risk “existing fuel mix with heavy reliance on fossil fuels” of formulating and implementing the ZCB policy for Hong Kong 1 - “Not significant” 2 - “Somewhat significant” 3 - “Significant” 4 - “Very significant” 5 - “Extremely significant” 0 - missing value	<b>Data type:</b> Numeric <b>Acceptable values:</b> 1, 2, 3, 4, 5
Q21n	Response to the perceived significance of risk “geographical difficulties for domestic renewable energy generation” of formulating and implementing the ZCB policy for Hong Kong 1 - “Not significant” 2 - “Somewhat significant”	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5

	3 - “Significant” 4 - “Very significant” 5 - “Extremely significant” 0 - missing value	
Q21_others	Response to the perceived significance of any other risk raised by the respondent of formulating and implementing the ZCB policy for Hong Kong 1 - “Not significant” 2 - “Somewhat significant” 3 - “Significant” 4 - “Very significant” 5 - “Extremely significant” 0 means no raised any other risk.	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5
Q21_comments	Any other risk raised by the respondent. N/A means not applicable.	<b>Data type:</b> Text
Q22	Response to question “ <i>How would you agree on Statement: The opportunities from formulating and implementing the ZCB policy outperform the risks?</i> ” 1 - “Strongly disagree” 2 - “Disagree” 3 - “Neutral” 4 - “Agree” 5 - “Strongly agree” 0 - missing value	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5
Q23_1	Selection of “Developers, clients and investors” to question “ <i>Who would you think are the key stakeholders to mitigate the possible risks? (Please select the three most important ones)</i> ” 1 - Selected 0 - Not selected	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1
Q23_2	Selection of “Estate and facilities managers” to question “ <i>Who would you think are the key stakeholders to mitigate the possible risks? (Please select the three most important ones)</i> ” 2 - Selected 0 - Not selected	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 2
Q23_3	Selection of “Contractors” to question “ <i>Who would you think are the key stakeholders to mitigate the</i> ”	<b>Data type:</b> Numeric <b>Acceptable values:</b>

	<p><i>possible risks? (Please select the three most important ones)”</i></p> <p>3 - Selected</p> <p>0 - Not selected</p>	0, 3
Q23_4	<p>Selection of “Professional advisors” to question “<i>Who would you think are the key stakeholders to mitigate the possible risks? (Please select the three most important ones)”</i></p> <p>4 - Selected</p> <p>0 - Not selected</p>	<p><b>Data type:</b> Numeric</p> <p><b>Acceptable values:</b></p> <p>0, 4</p>
Q23_5	<p>Selection of “Manufacturers and suppliers” to question “<i>Who would you think are the key stakeholders to mitigate the possible risks? (Please select the three most important ones)”</i></p> <p>5 - Selected</p> <p>0 - Not selected</p>	<p><b>Data type:</b> Numeric</p> <p><b>Acceptable values:</b></p> <p>0, 5</p>
Q23_6	<p>Selection of “Government and its departments and agencies” to question “<i>Who would you think are the key stakeholders to mitigate the possible risks? (Please select the three most important ones)”</i></p> <p>6 - Selected</p> <p>0 - Not selected</p>	<p><b>Data type:</b> Numeric</p> <p><b>Acceptable values:</b></p> <p>0, 6</p>
Q23_7	<p>Selection of “Financers, bankers and mortgage lenders” to question “<i>Who would you think are the key stakeholders to mitigate the possible risks? (Please select the three most important ones)”</i></p> <p>7 - Selected</p> <p>0 - Not selected</p>	<p><b>Data type:</b> Numeric</p> <p><b>Acceptable values:</b></p> <p>0, 7</p>
Q23_8	<p>Selection of “Universities and professional bodies” to question “<i>Who would you think are the key stakeholders to mitigate the possible risks? (Please select the three most important ones)”</i></p> <p>8 - Selected</p> <p>0 - Not selected</p>	<p><b>Data type:</b> Numeric</p> <p><b>Acceptable values:</b></p> <p>0, 8</p>
Q23_9	<p>Selection of “General Public” to question “<i>Who would you think are the key stakeholders to mitigate the possible risks? (Please select the three most important ones)”</i></p>	<p><b>Data type:</b> Numeric</p> <p><b>Acceptable values:</b></p> <p>0, 9</p>

	9 - Selected 0 - Not selected	
Q23_10	Selection of “Others (please specify)” to question <i>“Who would you think are the key stakeholders to mitigate the possible risks? (Please select the three most important ones)”</i> 10 - Selected 0 - Not selected	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 10
Q23_others	Specified other key stakeholders by the respondent to mitigate the possible risks.	<b>Data type:</b> Text
Q24	Response to question <i>“How would you rate the overall feasibility to formulate and implement the proposed ZCB policy in Hong Kong?”</i> 1 - “Highly impossible” 2 - “Impossible” 3 - “Half and half” 4 - “Possible” 5 - “Highly possible” 0 - missing value	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5
Q25a	Response to the perceived importance of recommendation “improve knowledge base and skills of industry by education and training on ZCB and relevant technology” for mitigating the identified risks 1 - “Not important” 2 - “Somewhat important” 3 - “Important” 4 - “Very important” 5 - “Extremely important” 0 - missing value	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5
Q25b	Response to the perceived importance of recommendation “motivate the industry using successful examples” for mitigating the identified risks 1 - “Not important” 2 - “Somewhat important” 3 - “Important” 4 - “Very important” 5 - “Extremely important”	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5

	0 - missing value	
Q25c	<p>Response to the perceived importance of recommendation “include zero carbon/energy target in public project procurement” for mitigating the identified risks</p> <p>1 - “Not important”  2 - “Somewhat important”  3 - “Important”  4 - “Very important”  5 - “Extremely important”  0 - missing value</p>	<p><b>Data type:</b> Numeric  <b>Acceptable values:</b>  0, 1, 2, 3, 4, 5</p>
Q25d	<p>Response to the perceived importance of recommendation “develop guidance on not only technical aspect but economics and business models of ZCB” for mitigating the identified risks</p> <p>1 - “Not important”  2 - “Somewhat important”  3 - “Important”  4 - “Very important”  5 - “Extremely important”  0 - missing value</p>	<p><b>Data type:</b> Numeric  <b>Acceptable values:</b>  0, 1, 2, 3, 4, 5</p>
Q25e	<p>Response to the perceived importance of recommendation “raise requirement for carbon reduction in Building Energy Code revisions” for mitigating the identified risks</p> <p>1 - “Not important”  2 - “Somewhat important”  3 - “Important”  4 - “Very important”  5 - “Extremely important”  0 - missing value</p>	<p><b>Data type:</b> Numeric  <b>Acceptable values:</b>  0, 1, 2, 3, 4, 5</p>
Q25f	<p>Response to the perceived importance of recommendation “allocate more credits for carbon reductions in BEAM Plus” for mitigating the identified risks</p> <p>1 - “Not important”  2 - “Somewhat important”  3 - “Important”</p>	<p><b>Data type:</b> Numeric  <b>Acceptable values:</b>  0, 1, 2, 3, 4, 5</p>

	4 - “Very important” 5 - “Extremely important” 0 - missing value	
Q25g	Response to the perceived importance of recommendation “encourage ZCB uptake in the private sector by both penalties and subsidies” for mitigating the identified risks 1 - “Not important” 2 - “Somewhat important” 3 - “Important” 4 - “Very important” 5 - “Extremely important” 0 - missing value	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5
Q25h	Response to the perceived importance of recommendation “raise public awareness of ZCB and sustainable living” for mitigating the identified risks 1 - “Not important” 2 - “Somewhat important” 3 - “Important” 4 - “Very important” 5 - “Extremely important” 0 - missing value	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5
Q25i	Response to the perceived importance of recommendation “demonstrate life cycle economics and cost benefits of ZCB” for mitigating the identified risks 1 - “Not important” 2 - “Somewhat important” 3 - “Important” 4 - “Very important” 5 - “Extremely important” 0 - missing value	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5
Q25j	Response to the perceived importance of recommendation “install smart meters in buildings to improve understanding of building energy use and performance” for mitigating the identified risks 1 - “Not important” 2 - “Somewhat important”	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5



	3 - “Important” 4 - “Very important” 5 - “Extremely important” 0 - missing value	
Q25k	Response to the perceived importance of recommendation “conduct systems occupant surveys to improve understanding of occupant behaviors” for mitigating the identified risks 1 - “Not important” 2 - “Somewhat important” 3 - “Important” 4 - “Very important” 5 - “Extremely important” 0 - missing value	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5
Q25l	Response to the perceived importance of recommendation “provide business opportunities in the area of renewable energy” for mitigating the identified risks 1 - “Not important” 2 - “Somewhat important” 3 - “Important” 4 - “Very important” 5 - “Extremely important” 0 - missing value	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5
Q25m	Response to the perceived importance of recommendation “encourage energy/carbon reduction through urban planning” for mitigating the identified risks 1 - “Not important” 2 - “Somewhat important” 3 - “Important” 4 - “Very important” 5 - “Extremely important” 0 - missing value	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5
Q25_others	Response to the perceived importance of any other recommendation raised by the respondent for mitigating the identified risks 1 - “Not important”	<b>Data type:</b> Numeric <b>Acceptable values:</b> 0, 1, 2, 3, 4, 5

	2 - “Somewhat important” 3 - “Important” 4 - “Very important” 5 - “Extremely important” 0 means no any other raised recommendation.	
Q25_comments	Any other recommendation raised by the respondent. N/A means not applicable.	<b>Data type:</b> Text
Follow_up	Respondent’s wish to attend a follow-up interview (over the telephone or in person) 1 - “Yes” 2 - “No”	<b>Data type:</b> Numeric <b>Acceptable values:</b> 1, 2