

SSAC Hydrogen Briefing Note - Opportunities and challenges associated with hydrogen's role in the delivery of future energy systems in the context of a Just Transition

Scientific Evidence for hydrogen's role into the Delivery of the Energy Strategy and Just Transition Plan

Questionnaire

How would you like your response to be considered:

- a. Kept confidential to the SSAC and used solely for informing this study
 - b. Quotes from your response could be used (in the Roundtable and/or report) but not attributed
 - c. Quotes from your response could be used (in the Roundtable and/or report) and attributed to your organisation
 - d. Quotes from your response could be used (in the Roundtable and/or report) and attributed to you
 - e. Your response could be shared in whole or part with the Whole Systems and Technical Policy Unit in the Scottish Government
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- i) Do you think the messaging around the potential for Hydrogen has been clear? If not, what more should be done?
 - ii) Are you aware of societal concerns around incorporation of hydrogen in the energy mix and are they being addressed?
 - iii) What are the main energy demand challenges to be faced in Scotland up to 2030?
 - iv) Where can the solutions for these challenges come from?
 - v) Do you expect hydrogen to play a part in resolving energy demand challenges? If so, in what ways?
 - vi) What role can Hydrogen play in the whole energy system beyond demand challenges?
 - vii) What opportunities can arise from utilising hydrogen to help accelerate decarbonisation?
 - viii) Do you have comments on any foreseen impacts which incorporating **hydrogen** in the energy mix might have on Scotland's eight Just Transition Outcomes ([Just Transition - A Fairer, Greener Scotland: Scottish Government response - gov.scot \(www.gov.scot\)](#)).

Please comment where appropriate below:

Just Transition Outcomes:

Outcome	Comments on impact of incorporating hydrogen
<p>Citizens, communities and place: support affected regions by empowering and invigorating communities and strengthening local economies;</p>	
<p>Jobs, skills and education: equip people with the skills, education and retraining required to support retention and creation of access to green, fair and high-value work;</p>	
<p>Fair distribution of costs and benefits: address existing economic and social inequality by sharing the benefits of climate action widely, while ensuring that the costs are distributed on the basis of ability to pay;</p>	
<p>Business and Economy: support a strong, dynamic and productive economy which creates wealth and high quality employment across Scotland, upholds the UN Guiding Principles on Human Rights, and continues to make Scotland a great place to do business;</p>	
<p>Adaptation and resilience: identify key risks from climate change and set out actions to build resilience to these risks, ensuring our economy is flexible, adaptable and responsive to the changing climate;</p>	
<p>Environmental protection and restoration: commit to act within our planetary boundaries while protecting and restoring our natural environment;</p>	
<p>Decarbonisation and efficiencies: contribute to resource efficient and sustainable economic approaches that actively encourage decarbonisation, support low-carbon investment and infrastructure, and avoid carbon 'lock-in'</p>	
<p>Further equality and human rights implementation and preventing new inequalities from arising: address fuel poverty and child poverty in a manner consistent with Scotland's statutory targets on each, while furthering wider equality and human rights across all protected characteristics.</p>	

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Please list any key people who you feel should be sent this questionnaire (ideally with email addresses).

With many thanks for sharing your views – we are very grateful!