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## Policy and Law

All laws and policies regarding hydrogen revolve around and refer to the aims of The Paris Agreement. The Paris Agreement is a legally binding agreement that came into force in November 2016 to keep global warming well below two degrees celsius above pre-industrial levels and to pursue efforts to limit the temperature increase even further to 1.5 degrees celsius within this century.

This target is ambitious, since it will require the world to limit the cumulative energy-related carbon dioxide emissions to less than 900gt (gigatonnes) by 2100 – an amount the world will exceed before 2050 if it continues on its current path.

To stay within the carbon budget, the world will need to make dramatic changes year after year and decrease energy-related CO<sub>2</sub> emissions by 60% until 2050 – even as the population grows by more than an estimated 2 billion people.

Achieving such deep carbonization will require a radical transformation of the global energy system.

- The world needs to become much more energy efficient
- The energy supply needs to transition to renewable sources
- End-use applications in the transportation, buildings, and industrial sectors need to switch to low-carbon energy carriers such as renewable electricity, biomass or biogas, and green or clean hydrogen
- Carbon emissions, created by the remaining fossil fuels in the system, need to be captured and stored through Carbon Capture and Storage (CCS) or used in the chemical industry through Carbon Capture and Utilisation (CCU).



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Developing affordable and integrated energy storage solutions has been highlighted as a priority to facilitate and enable the transition to a low carbon energy system based largely on renewables. With the entering into force of the Paris Agreement, the international community has committed to move towards a modern low-carbon economy.

The Hydrogen Council is a global coalition bringing together 50+ leaders in the energy transport and industry space. They believe that hydrogen can play a key role in the clean energy transition if investors, industry and government work together to help create the right technical, financial and legislative environment that will enable decarbonized hydrogen to scale up. To realise this vision, efforts need coordinating and ramping up.

Links to additional resources for this topic			
<a href="#">Policy and Law Official Document</a>	<a href="#">Policy and Law Official Document - HyLaw</a>	<a href="#">Kahoot Quiz</a>	

### Hydrogen Policy Videos

9.23 - Delivering Policy Change – English with all other subtitles



Calla Graves - Delivering Policy Change

<https://youtu.be/nGXGPG1zgNE>