



Overview of business practices at the water-climate nexus

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Water security will enhance or derail climate action

- ▼ There is nothing to lose – and a great deal to gain – from fully integrating water into climate and energy policy, planning and action.
 - ▼ 25% of companies report that improved water stewardship may result in opportunities to further reduce emissions.
 - ▼ A survey of 129 NDC's indicates that water security is fundamental to the success of almost all of these.
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Low carbon transition requires a water secure future

- ▼ CCS offers a potential technical solution to reducing GHG emissions in a range of sectors
- ▼ CCS is highly water-intensive – while it could reduce GHG emissions from pulverised-coal-fuelled power plants by 80-90%, it could lead to a doubling in water consumption

Sector focus - Cement

- ▼ CDP investment analysis of 12 of the largest and highest-emitting global cement companies found that:
 - CCS is currently viewed as necessary to the transition to a low carbon future however;
 - Across the companies, more than 50% of assets are currently located in areas of water stress;
 - With 35% of assets located in high or extremely high water stress by 2030

Transforming the global energy mix

▼ Unilever report that hydropower now account for 70% of electricity supplied to its operations in south east Brazil. The company anticipates enforced energy restrictions if poor rains continue.



Water action is climate action

▼ Mars reports working with farmers in the Mississippi Delta to use alternate wetting and drying (AWD), an irrigation technique that reduces both water use and GHG emissions with little or no impact on yields.



Improved water management reduces GHG emissions

▼ L'Oreal reports efforts to reduce hot water use led to a 13% reduction in water use and a reduction of 692 tonnes of CO₂ per year.

L'ORÉAL

Industrial synergies help meet climate and water goals

▼ Mitsubishi reports having planted more than 1 million trees in order to improve local water security whilst contributing to natural carbon sinks.



Conclusion

- ▼ Sound and effective water governance is essential for effective, sustainable climate action.

- ▼ Water security can be transformed from a limiting factor into an opportunity.

Conclusion

- ▼ Some within the private sector recognise the need to integrate water security into climate action planning.

- ▼ More will need to do the same if we are to achieve our goals.

