



Public Presentation of Country Update South Africa

Vision and Strategy of South Africa

Background

- The Hydrogen South Africa (HySA Strategy) was approved by the Cabinet in 2007
- Formal launch by the Minister of Science and Technology in September 2008.

Strategic Goals

- Develop local cost competitive hydrogen generation solutions based on renewable resources
- Wealth creation through value added manufacturing of PGM catalysis with a goal of supplying 25% of PGM catalysts demand by 2020
- Promote equity and inclusion in the economic benefits of South Africa's resources
- Human Capital Development in line with DST's broader Strategy.



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Deployment Status

Transportation	Target Number	Current Status
Fuel Cell Vehicles	No target	0 as of 26/04/18
FC Bus	4 by 2020	0 As of 26/04/18
Fuel Cell Trucks	No target	0 as of 26/04/18
Forklifts	No target	1 as of 26/04/18
H ₂ Refueling Stations	Target Number	Current Status
70 MPa On-Site Production	No target	0 as of 26/04/18
35 MPa On-Site Production	No target	0 as of 26/04/18
Stationary	Target Number	Current Status
Small (≤ 5kW)	No target	5 as of 26/04/18
Medium (100 kW)	No target	1 as of 26/04/18
Large	No target	0 as of 26/04/18
Telecom backup (5kW)	No target	>300 as of 26/04/18
H ₂ Production	Target	Current Status
Water Electrolysis (PEM, Alkaline, SOEC)	No target	0 as of 26/04/18



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Fuel Cell Funding for 2018/19 financial year (1 April 2018 to 31 March 2019) is as follows:

- Government: R100 million (USD 8.06 million);
- Private Sector Funding: still to be confirmed
- Other Private sector fuel cell projects: still to be confirmed.



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Views and Engagement on International Initiatives:

- **International Energy Agency:** South Africa is a member of the IEA through the Department of Energy
- **Mission Innovation:** Extent of South Africa's involvement in MI still to be established. Domestically, South Africa supports increased expenditure on research, development and Innovation (RDI). The country seeks to increase RDI partnerships on the continent.
- **Hydrogen Council:** The efforts of the HC are supported. Anglo American Platinum is a member of the HC. The HC report of November 2017 is considered a good guide on where the sector is going.