

New Zealand Hydrogen Energy Update

Progress in Hydrogen Energy Projects

1. New Zealand Energy Strategy under development
2. Hydrogen Roadmap under development
3. Potential for use of New Zealand's lignite/coal resources to produce hydrogen
4. Hydrogen as an energy carrier for remote area power systems (RAPS)

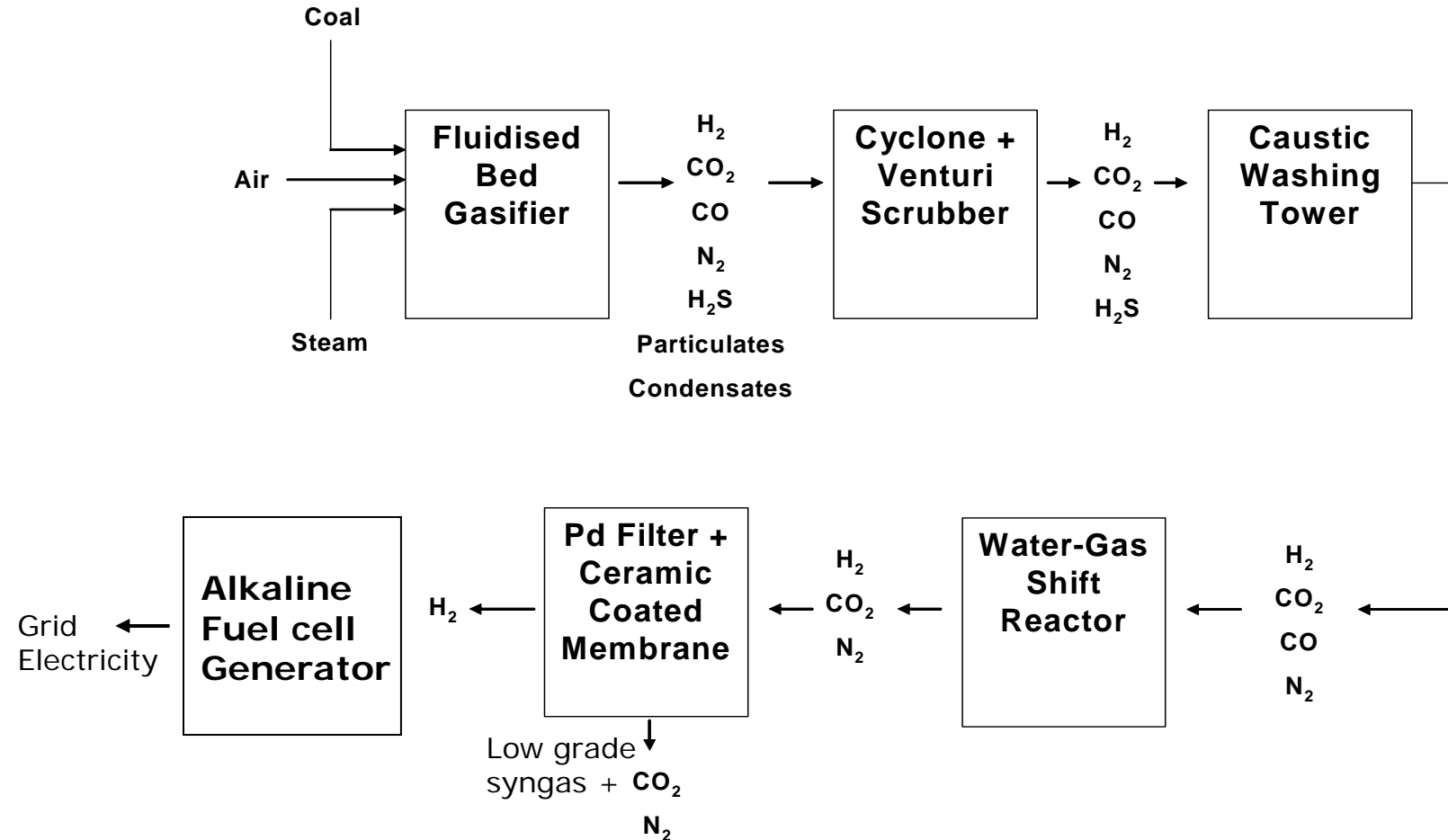
New Zealand Energy Strategy

- The New Zealand Government has recently released a draft Energy Strategy. The Government has proposed that New Zealand be carbon neutral by 2030.
- A goal of the strategy is to:
 - Develop a reliable and affordable electricity system that minimises greenhouse gas emissions
- The major aims with respect to hydrogen are:
 - Focus on investing in hydrogen energy niche applications
 - Strengthen international collaboration

Hydrogen Roadmap

- March 2007 – Government commissioned a 12 month project to begin developing a hydrogen roadmap for New Zealand
- To be carried out by CRL Energy, Industrial Research, Unitec, and Energy Research Centre of the Netherlands
- Method based on that used within the HyWays project for developing a Roadmap for Europe
- Issues document just released to selected stakeholders
- Next stage is to select and assess likely supply chains

Hydrogen from Lignite Project



All components of this system as shown above are now functional at proof of concept scale

