

Future Fuels Participant Agreement - RP 1.4-01

The agreement between the Future Fuels CRC and the project participants was ratified 15 March 2019.

The project is formally titled - Future Fuels End-use: Type A appliances review and test program.

The relevant stakeholders involved in this project include: Appliance manufacturers (as represented by GAMAA), users, regulators, network operators, industrial burner manufacturers and users.

The objectives of the project are to:

- Establish whether a wide range of appliances can be accredited for operation on natural gas (N) with 10% H2 blended in
- Determine the maximum level of H2 that can be blended into natural gas before flash-back, ignition or other problems occur in a range of Type A appliances
- Identify the potential technical appliance associated with natural gas blends that have higher levels of H2 than can be accommodated by current appliances
- Develop further project proposal with full test matrix based on literature review and initial test that will address gaps in standard and industry needs

The methods used include review of current pilot programs and literature and testing of appliances.

Research objectives:

- a. Establish whether currently available Type A appliances can be accredited for operation on a blend of Natural Gas and 10% H2
- b. Determine the maximum level of H2 in a blend of natural gas with H2 that can be used in current Type A appliances before problems occur
- c. Determine what is being done in Australia and overseas to clearly identify the potential technical issues associated with converting Type A appliances to natural gas blends with higher levels of H2 than can be accommodated by current equipment, and what are the technical issues with converting to 100% H2
- d. Develop further project proposals with a full test matrix (based on literature review and initial tests) to address gaps in standard industry need. Consideration needs to be given to what type of tests and where they will be performed.

The project participants include:

- The University of Adelaide
- Australian Pipelines and Gas Association
- Energy Networks Association
- Australian Gas Networks
- Gas Appliance Manufacturers Association of Australia
- Energy Safe Victoria

Leon Bogers (GAMAA Vice President & Executive Technical Manager Rinnai Australia) is one of the lead industry advisers to this project and has managed the procurement of test appliances from several GAMAA members.

If any member has any queries regarding this project, please contact Leon at leonb@rinnai.com.au

Sims: gas producers have power to provide market relief

Australian Competition and Consumer Commission (ACCC) Chair Rod Sims has blasted gas producers, saying they haven't done enough to secure Australia's gas supply.

Speaking at the Australian Domestic Gas Outlook Conference, Mr Sims said after the ACCC began investigating, the market producers had complained about government intervention to divert gas back from exportation to domestic supply.

"The market was clearly, by any definition, dysfunctional," said Mr Sims.

"In my strong view they [the gas industry] brought it on themselves". Read full article [here](#)



**Gas Appliance
Manufacturers
Association of
Australia**

**GAS
Connections**