***Attach 4***

***NGV* Residential – Car Commuting – Lower-Pressure System**

The residential complex, or apartment building, has a 10.3 MPa natural gas line - typically 18 mm diameter stainless-steel tubing - along with the usual ultra-low-pressure line, that is used for gas appliances.

The 10.3 MPa system is used to fill the natural gas fuel tanks over-night, as a “slow-fill” system.





One residential property has a sound-insulated

compressor unit, and a cascade gas storage

cylinder facility to provide a “fast-fill” system for

residents requiring this service.

Each residence has a fuel-metering system

to record the amount of natural gas used.

Residents’ vehicles would be “bi-fuel”, whereby

it would normally operate on just natural gas.

If the gaseous fuel runs out, the drivers simply

switch to the back-up reserve petrol system

to get home.

For most commuters, the natural gas system

would be suitable for at least 80% of their daily

use. CBD’s may soon require “ultra-low” cars only.