



Reference: EIR4713

**Request:**

Can you provide the business cases for the procurement of the vehicles below.

0001 Civic Car 301 ONT Jaguar Prestige 2 litre diesel (note 1)

0048 NL20CFV YARIS HYBRID (note 2) 0049 NL20CFY YARIS HYBRID (note 2) 0050 NL20CFZ YARIS HYBRID (note 2) 0051 NL20BJX YARIS HYBRID (note 2)

0039 NL70UOS TOYOTA RAV 4 HYBRID SUV (note 3)

**Note 1 - Why was a 2 litre diesel vehicle chosen**

A diesel car was the Authority's preferred option which uses Ultra Low Sulphur Bio Diesel. Bio Diesel produces less air pollutants than petrol and petroleum-based diesel; improves miles per gallon and significantly reduces emissions of sulphur and particulate thereby reducing the environmental impact of the vehicle fleet. The engine of the vehicle is Euro 6 which was the cleanest engine during the procurement of the vehicle.

The Euro 6 engine requires an additive called AdBlue. AdBlue is needed as vehicle manufacturers are bound by ever-stricter regulations brought about by environmental concerns. AdBlue is a non-toxic liquid that's colourless in appearance and is a solution of water and urea. To comply with Euro 6, recent diesel-powered cars use SCR technology to inject microscopic quantities of this liquid into the flow of exhaust gases. When the urea and water solution combines with exhaust emissions, it produces nitrogen and oxygen - harmless gases that occur naturally in the environment - by breaking down mono-nitrogen oxides (gases that can be harmful and are found particularly in the fumes from diesel exhausts).

**Note 2 - Why did the authority decide to procure hybrids and not pure electric vehicles**

These vehicles purchased operate on the Care Call service which operate on a 24 hour service and carry out high mileage. Therefore, going fully electric at the time of procurement could have had a detrimental impact on the service if vehicles were being charged whilst carrying out emergency calls.

**Note 3 - Why did the authority procure a hybrid SUV vehicle. 4WD etc.**

This vehicle is within the Care Call service as well, see answer to note 2.