

Greening Suffolk – Electric Vehicles and Property helping to deliver CARBON ZERO



PETER FROST : Environment Strategy Officer for Suffolk County Council
ACES webinar Monday 13th September 2021



The canny property manager spots a trend and takes advantage before competitors do.
(especially when ALL the indicators are in one direction)

- **EVERY** business that has greened its practices has seen benefits.
- **Every** piece of legislation that is introduced is more environmentally orientated than before.
- **Every** single peer – reviewed scientific study has shown that EV's & heat pumps are better for the environment.
- **Every** survey among consumers is showing that the environmental impact of their choices is a greater factor in their decisions
- **EVERY** Council in Suffolk has declared a CLIMATE EMERGENCY...

Solar Together Suffolk

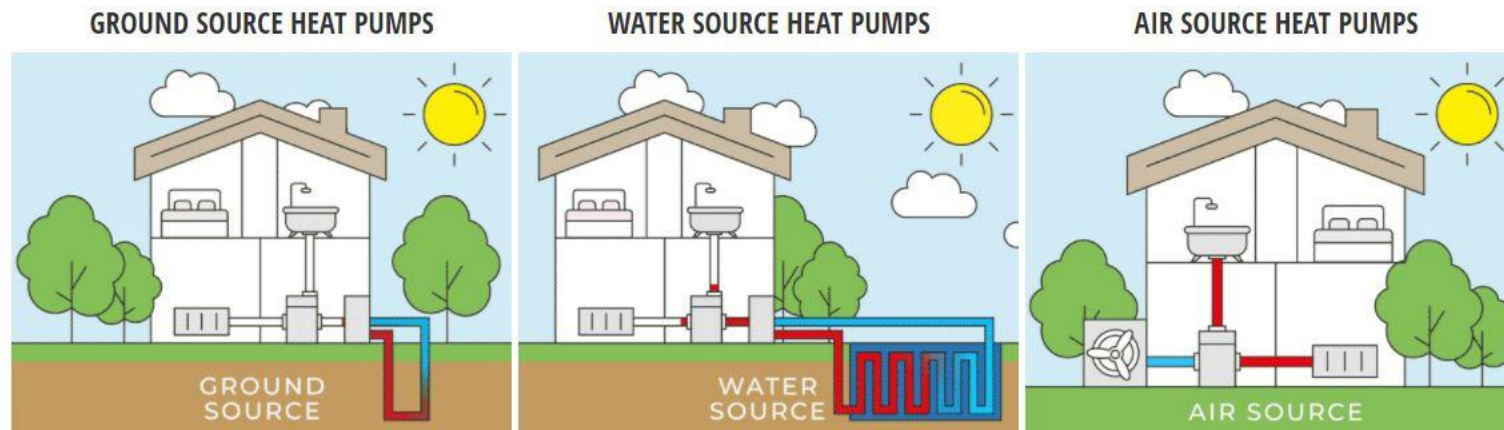
Group-buying for solar panels and battery storage: better offers together.




This round closes - 28 September 2021

GAS & OIL BOILERS TO BE BANNED FROM NEW HOMES BY 2025

- The government has announced that by 2025, all new homes will be banned from installing gas and oil boilers and will instead be heated by low-carbon alternatives. The ban is part of a UK action plan to reach carbon net zero by 2050.
- This announcement follows recommendations from the Committee on Climate Change in their recently published report “[UK housing: Fit for the future?](#)” that fossil fuel heating be replaced with [renewable alternatives](#) such as [heat pumps](#).





Enhancing your environmental credentials



- I recommend checking out the resources freely available on the Carbon Charter website.



Carbon Charter Summer Event

HOME

VIDEOS

PLAYLISTS

CHANNELS

DISCUSSION

Uploads

▶ PLAY ALL



Welcome to the Carbon Charter webinar in association with WOOLLEY - It will be

1:02:08



1:02:08



Welcome to the Carbon Charter Webinar in association with WOOLLEY - It will begin shortly

53:26

Carbon Charter 2020 Webinar 3

Carbon Charter 2020 webinar 2

Carbon Charter 2020 webinar 1



EV ownership experience Better than owning a petrol or diesel car in every way

- Quicker
 - (Instant torque off the line)
- Quieter
 - (Much lower cabin ambient noise
 - pedestrian warning noise required)
- Smoother
 - (Less vibration and harshness)
- Cleaner
 - (Now – but Also improving over time as the grid gets greener)
- And overall cheaper to run
 - (such lower servicing & 'fuel' costs plus maybe Make money with V2G in the future)

The rarely mentioned other side of the rapid transition

The market has increased, but Battery electric vehicle sales increasing **exponentially** at the same time as Petrol & Diesel sales are collapsing

July 2021						
EV & AFV Registrations						
July	2021	2020	% change	Mkt share -21	Mkt share -20	
Diesel	8,783	28,844	-69.5%	7.1%	16.5%	
MHEV diesel	6,809	6,010	13.3%	5.5%	3.4%	
Petrol	55,250	101,392	-45.5%	44.8%	58.0%	
MHEV petrol	16,701	10,253	62.9%	13.5%	5.9%	
BEV	11,139	8,162	36.5%	9.0%	4.7%	
PHEV	9,900	7,489	32.2%	8.0%	4.3%	
HEV	14,714	12,737	15.5%	11.9%	7.3%	
TOTAL	123,296	174,887	-29.5%			

BEV - Battery Electric Vehicle; **PHEV** - Plug-in Hybrid Electric Vehicle; **HEV** - Hybrid Electric Vehicle,
MHEV - Mild Hybrid Electric Vehicle

Mild Hybrids, Plug in Hybrids, Battery Electric are up

Pure Petrol & Diesel cars are HISTORY

Year to date	YTD 2021	YTD 2020	% change	Mkt share -21	Mkt share -20
Diesel	101,870	147,801	-31.1%	9.9%	17.8%
MHEV diesel	70,413	27,894	152.4%	6.8%	3.4%
Petrol	497,833	494,000	0.8%	48.2%	59.6%
MHEV petrol	122,753	40,513	203.0%	11.9%	4.9%
BEV	85,032	39,119	+117.4%	8.2%	4.7%
PHEV	68,107	27,096	151.4%	6.6%	3.3%
HEV	87,261	51,966	67.9%	8.4%	6.3%
TOTAL	1,033,269	828,389	24.7%		


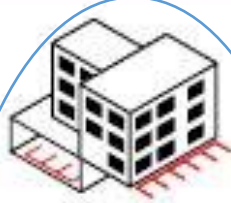

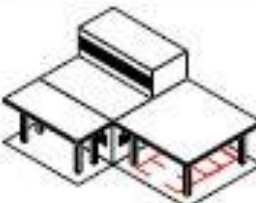
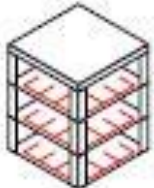

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Changes to government grants

- Sales of pure ICE vehicles ending from 2030 (may be bought forward to 2028)
- On Road charging scheme now encompasses off road charging
- **This is the big one** - Home EV Charging Scheme changing to focus on multi occupancy residences
- Get your own home charger in before next April
- Every 5 parking spaces will have 1 EV charging space capability
- **Quote:** The Office for Zero Emissions Vehicles (OZEV) has announced a change in the targeting of the Electric Vehicle Homecharge Scheme (EVHS). As of April 2022, the government funding of the EVHS will be removed from private homeowners and made available for individuals living in rented and leasehold accommodation instead.
- From the start of April 2022, the scheme will focus on individuals who own rented accommodation and leasehold properties, in particular flat and tenement buildings. When the scheme alters its focus, landlords who own flats and multiple occupancy properties will be able to apply for electric vehicle charging grants on behalf of the building and its occupants, **who must own an electric vehicle (EV) in order to qualify.**

charging infrastructure to suit usage patterns

Easy – Rapid charge & fast charge networks should support each other

Distribution of charging processes	Private location 85%			Publicly accessible location 15%		
Typical locations for charging infrastructure	 <p>Single/double garage or parking place at home</p>	 <p>Parking spaces or parking garage for residential sites, multiple occupancy dwellings, apartment buildings</p>	 <p>Company car parks/fleet car parks on premises</p>	 <p>Motorway service stations</p>	 <p>Shopping centres, multi-story car parks, customer parking spaces</p>	 <p>Kerbside/public parking spaces</p>

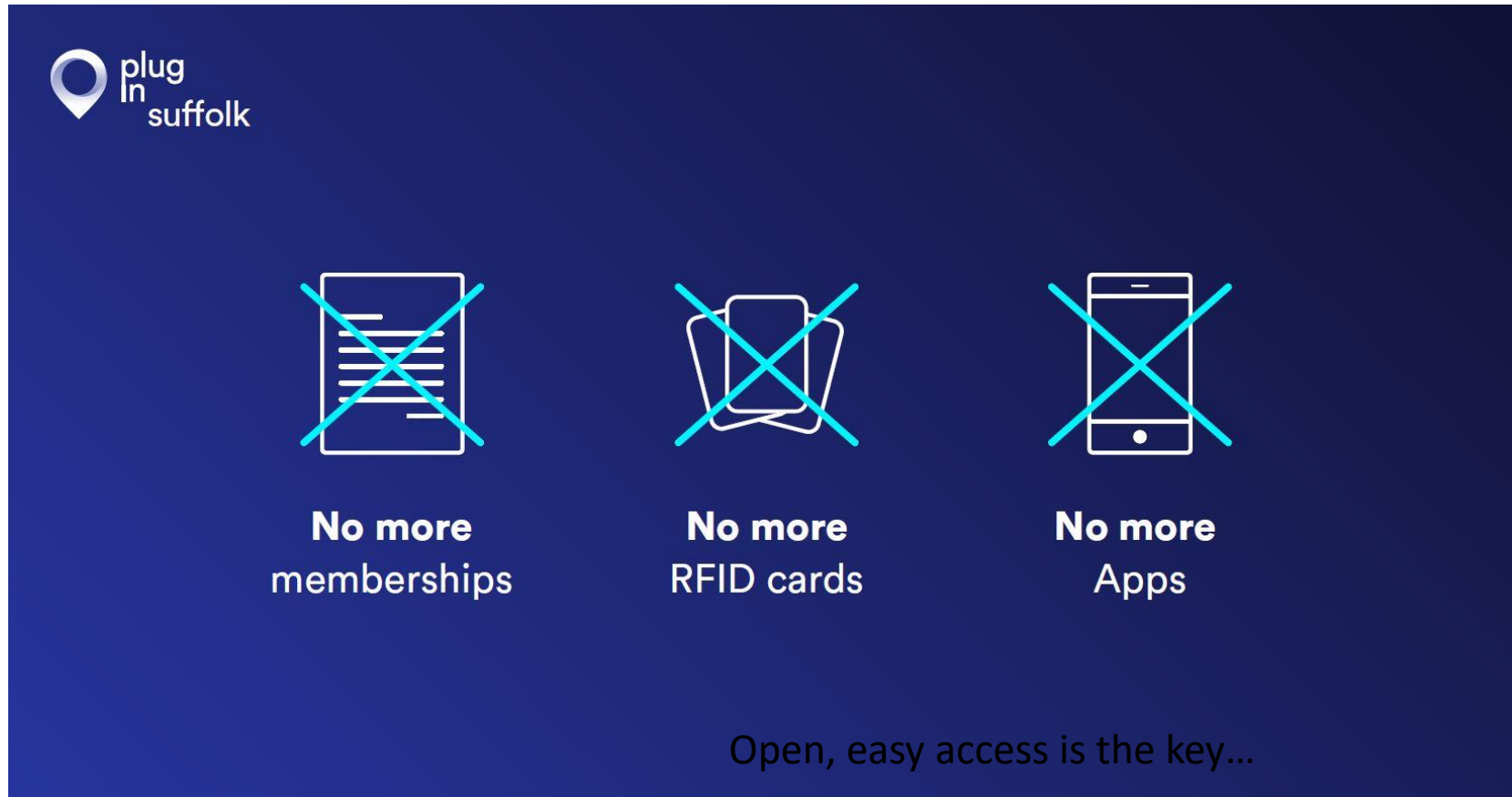
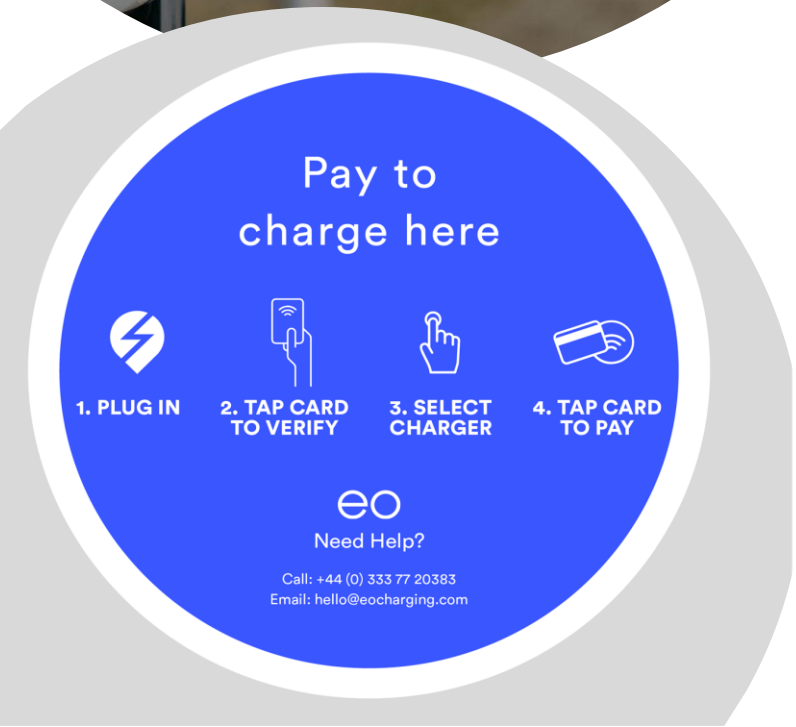


The UK's first fully open fast charge

Plug In Suffolk – 1st in the UK.

Accelerated rollout of open access public charging infrastructure countywide.

www.pluginsuffolk.org



plug
In
suffolk

No more memberships

No more RFID cards

No more Apps

Open, easy access is the key...

Locations already up and running

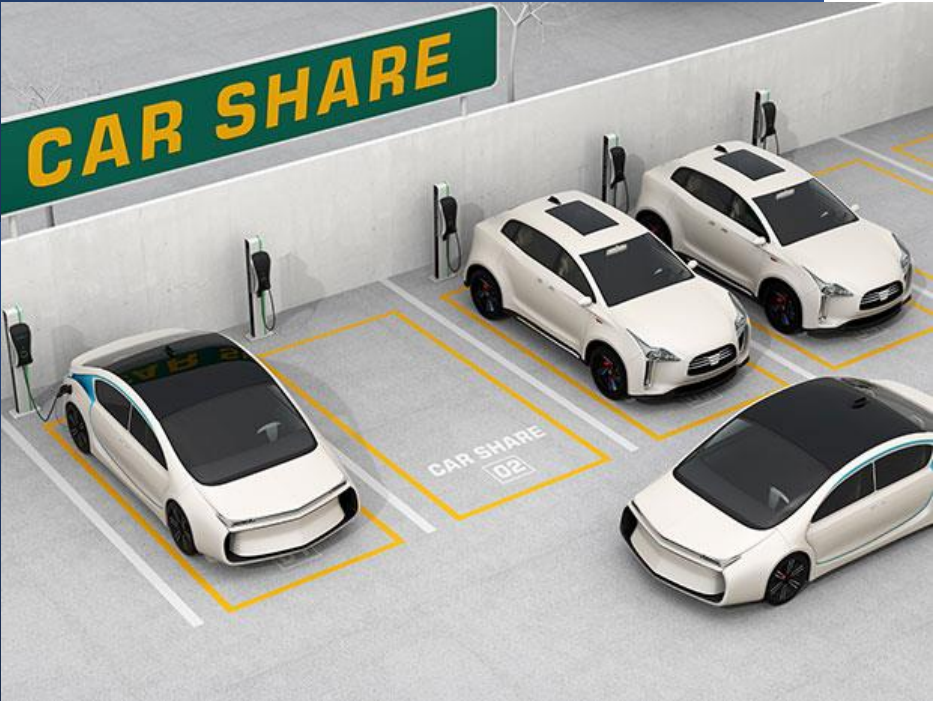




Southwold

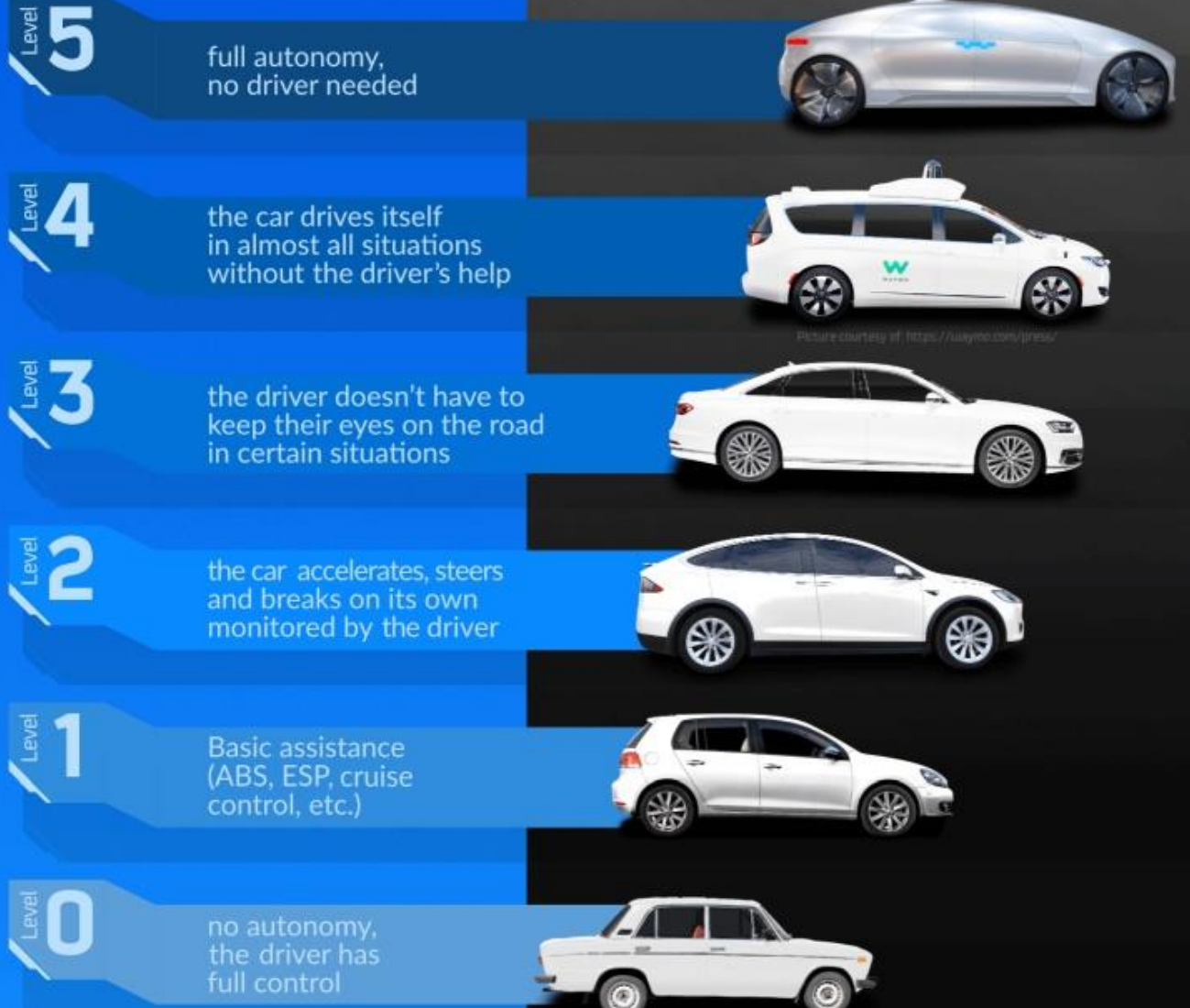


Coming soon – Autonomous cars



Will your properties be
practical for the
changes that are
coming ?

Levels of **autonomy**



As GREEN consumerism takes over Don't miss out on the trend

People want faster action and are willing to pay a little more to help the environment

% who agree that they would pay more for eco-friendly products



Gen Z
(16-21)



Millennials
(22-35)



Gen X
(36-54)



Baby Boomers
(55-64)

Dire warnings about 'irreversible' damage to our climate fill the front pages of newspapers in Britain and around the world



IPCC report – it's nearly too late...

climate emergency declared if we don't change, we're history !!!

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More info : www.carboncharter.org & www.greensuffolk.org

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