

## East Suffolk Greenprint Forum

### Getting from A to B Notes of Meeting held on the 4<sup>th</sup> July 2016 Recorded by Charlie Pike

#### 1) Darren Smith: Electric Vehicles in the real world

- Electric vehicles (EV's) have been around since the 1970s Norway, UK and US jostling for top position on roll out.
- 100% electric = Zero emissions.
- No road tax, No congestion charge but remember to register on line each year.
- Cost around £19,000 for a Nissan Leaf, cost around £90 a year to service. Currently can only be serviced at Nissan garage but training for independent mechanics gradually being developed (Sunderland leading the way). Tyres are special make and last a long time. Foam kit in case of puncture. Nissan have a 24 hour hotline in case of any issues.
- Cost to run: Electric car – 2p per mile      Petrol – 12-18p per mile
- Range: 24kW – 80-90 miles    30kW – 130-135 miles.
- Average journey in Britain is 27 miles long, 98% of people drive less than 100 miles per day.
- Over 11,500 charging points nationwide (over 4000 locations)
- 99% of EV owners charge at home 90% of the time.
- Rapid charge stations at 98% of service stations (100% by September this year) – typically EV drivers will top up charge for 15 to 30 mins and then move on to enable other EV drivers to do the same.
- Over 50% of charging ports are free.
- Charging point locations on Zapmap.com.
- No evidence of degradation from the EV lithium ion battery's yet – plans developing for second life use.
- EV's link to smart phones so you turn on heat etc. remotely.
- Leaf can be adapted to include driving aids such as a wheelchair winch.

#### 2) Robbie Gawthrop: EV Drivers, Charging

##### *What do we do?*

- Install and manage smart, income generating fast and rapid charge points.
- Intelligent Cloud based software platform with smartphone pay as you go app.
- Aiming to create a charge network to reduce CO<sub>2</sub> emissions through alternative transport while generating income for businesses.

##### *The Facts*

- 1.5 million electric cars forecast to be on the road by 2020.
- Charge times: 3.7kW charging unit at home = 15 miles per hour    7kW charging unit = 30 miles per hour    22kW charging unit = 100 miles per hour    50kW charging unit charging points = 200 mile charge in 20 mins
- In the last 18 months the number of charging points has doubled.
- A full charge will typically cost around £2-£4.
- 24/7 365 day a year manned hotline to assist EV drivers.
- Hotline deals with issues such as tire changes and running out of charge.
- If you have a charge point installed at home, you will be added to the Zapmap and can make money.

- Domestic charge points cost around £750, with a £500 grant from the government the customer pays £250.
- Battery lifespan is around 10-12 years.
- An etiquette within the EV driving community regarding charging.

### 3) Sue Davey & Lynn Butler: The future of Community Transport in Suffolk

Suffolkonboard.com

On Monday 13 June 2016 the new “Connecting Communities” transport services commenced. Each District has one phone number to ring to access transport services that include the former Dial a Ride, Community Cars and Demand Responsive Transport (DRT), also known as Suffolk Links.

Area Covered	Contractor	Phone number
<b>Babergh</b>	Hadleigh Community Transport Group (HCTG)	01473 826242
<b>Mid Suffolk &amp; Ipswich</b>	BSEVC	01449 614271
<b>Forest Heath</b>	The Voluntary Network TVN	01638 664304
<b>St Edmundsbury</b>	The Voluntary Network TVN	01440 712028
<b>Suffolk Coastal</b>	Coastal Accessible Transport	01728 635938
<b>Waveney</b>	BACT	01986 896896

#### ***The Facts***

- 7 geographical service areas by district in Suffolk.
- Service runs 7am – 7pm Monday to Saturday but note bookings and/or queries have to be made between 9am and 4pm.
- 178,000 passenger journeys last year alone.
- In line with bus fare, unless with private volunteers, then passengers are charged HMRC’s 45p a mile.

#### ***How Does It Work?***

- Call local operator up to a week before you travel.
- Ask what is the cheapest way to get to where you need to be by the time you need to be there taking into account any mobility or other issues.
- Book journey (first come first serve basis).
- Your ride will come and pick you up on the date and time you requested.

### 4) Betsy Reid: Eco-School Programme and Junior Road Safety Officers

Despite all efforts, more children are now being taken to school by car now than ever before, something needs to be done. However we have to direct energies at those that are willing to listen and hope for a cascade effect if we are not to burn out as enthusiasts.

- Eco-school programmes cover 9 areas including energy, water and travel <http://www.eco-schools.org.uk/>. One aspect of this can be joining the Suffolk Junior Road Safety Officers' and entering their award scheme.
- There are over 60 Primary schools in Suffolk with active JRSOs.
- The process is simple: Select two students from Year 4 to 6 to be Junior Road Safety Officers (JRSOs) and provide a named adult to support them - this is usually a Teaching Assistant, but could also be a Parent, Governor or Teacher. Then get pupils to apply in writing, either by letter or filling in a simple JRSO application form. <http://www.suffolkroadsafe.net/children-and-young-people/junior-road-safety-officer/>. Once signed up the pupils and supporter identify their issues and how they are best tackled and draw up a simple action plan.

Examples include:

- Yoxford Primary School campaigned for a change in policy from their parish council with success. Alternative parking at the village hall is now in place to ease traffic congestion outside their school. St. Peter & St. Paul's CEVCP School in Eye have also made a significant change to parking congestion outside their school with the Junior Road Safety Officers input. They now use a parking ticket scheme that highlights unsafe parking that create hazards to the parent drivers.
- Birchwood School hosts bike ability courses for year 5s and 6s and offers bike ability courses to the parents of children.
- Waldringfield school has a weekly walking bus to reduce congestion near the school and get children walking and teaches junior road safety.

##### **5) Stewart Bethall, Mouchel: Personal Travel Plans**

Too many people drive to work or take their children to school when it is less than a couple of miles away. Something needs to be done.

- We all make travel decisions every day but have slipped out of the habit of actively planning our journeys. Our role as champions is to encourage people to think about each journey that they take to see if there is a more sustainable option. The way to do that is to ask questions and actively listen to see if there is a way to help people relook at fixed behaviours. One to one and face to face is key in this. This is a service Mouchel offers to developers and Local Authorities.
- However with low time we can encourage use of: <http://www.traveline.info/> a good website for planning journeys (includes community transport schemes)