**LCNF workshops**

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| **Learning points** | **Subgroup(s) that will investigate?** |
| **Smarter Network Storage** | |
| Potential double charging of FiT and RO payments on energy temporarily held by electrical storage. This disadvantages storage operators vs generators due to additional opex costs. | SNS to propose solution but inform following groups:   * Distribution of Value * DG and Storage * Visibility |
| The Climate Charge Levy (CCL) is applied by default to storage operators on import. On subsequent export CCL is levied a second time on subsequent consumption. This results in double charging of CCL on energy held by storage operators. | SNS to propose solution but inform following groups:   * Distribution of Value * DG and Storage * Visibility |
| Reactive power charges are levied by DNOs, but there is no mechanism for recognising the provision of reactive power when it is delivered for network support. | SNS to propose solution but inform following groups:   * DG and Storage |
| How to make DUoS work for storage – the need for charging to be more reflective of location. | SNS to propose solution but inform following groups:   * DG and Storage |
| Who has priority to use storage –DNO or National Grid? | * Distribution of Value * DG and Storage * Visibility |
| **Solvent Achieving Value from Efficiency** | |
| Would be useful to understand how customers chose to use the LED lights given to them in the project i.e. do they install them and in which rooms. | * SSE to feed into Community Energy & Energy efficiency group |
| A DNO rebate could go through the supplier bill or through a purpose built DNO system. There needs to be a balance between the best way to magnify the signal and the expense of doing this. In a smart new world it will need to be seen how the supplier and DNO interact and complement each other. | * Distribution of Value * Visibility |
| **Flexible plug & play** | |
| Generators had not been willing to commit to fund future reinforcement, even where reinforcement would lead to lower overall constraint costs. | * DG and storage |
| **Thames Valley Vision** | |
| There is a need to balance customers expectation of hot water availability with what is needed on the network | * Consumer Protection * Distribution of Value |
| **Nines** | |
| Responsibility of maintenance/fixing of equipment | * Consumer Protection * Distribution of value |
| There are arrangements in place for the end of each trial, which has been set out in the consumer engagement strategy. Once consumers come off these trials, they will revert to the original tariff they were on. Customers may be charged more under this tariff and so thought needs to be given to enduring arrangements. | * SSE to propose solution in consultation with Consumer Protection group |
| **ARC** | |
| The connection charging tool doesn’t include an updates for the impact of microgeneration. It was felt that this should be added | SPEN to keep the DG & Storage subgroup updated |

**16 October event**

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| **Learning points** | **Subgroup(s) that will investigate?** |
| **Customer Led Network Revolution** | |
| 40% of customers would have been worse off through the ToU on the trial. Need to understand if wider system savings would counterbalance this. | * Distribution of Value * Consumer Protection |
| Trial produced a 10% peak reduction and an average saving of 3%. Worth sharing this experience with LCL and understanding locations where it could be applied in the future | * Distribution of Value |
| I&C:  Engagement direct with customers and via aggregators  Implications of different contract forms and response types for notification and learning on feedback on level and timing of response provided through Flexitricity | * Consumer participation group * Visibility |
| Learning on different forms of contract (benchmark vs floor) incentivising response and overall level of pricing comparable to STOR | * Distribution of Value |
| **Low Carbon London** | |
| Should DNOs release data on G83 and G59 installs to other parties? This would allow other parties to know who had flexible load. | * Visibility * Consumer Protection |
| DNOs may ToU tariff to be mandatory to secure a sufficient level of response to avoid reinforcement | * Consumer Protection |
| Trial paid prices higher than STOR and UKPN confident they can compete with STOR prices. | UKPN to feed into   * Distribution of Value |
| Research shows that 20% of conflict events may have a negative impact on DNOs. To feed analysis on conflicts and synergies between DNO & supplier DSR to Distribution of value group | * Distribution of Value * DG and Storage * Visibility |
| DNOs will need a robust process for heat pump notification. Current process is linked to RHI but there may need to be adapted | * Visibility |
| **Sola Bristol** | |
| One customer claimed that DC lighting saved £5 a week. Worth pursuing further | * WPD to confirm and follow up with Community Energy & Energy efficiency groups |
| Customers incentivised to join through free equipment (tablet computer) and rebate on the bill. Are these viable propositions for roll-out? | * Consumer protection group |
| **Customer Load Active System Services** | |
| Customers don’t notice changes in voltage on the network and yet the changes in voltage can lead to large savings for System Operator. Is this is a viable solution to be rolled out as customers would not be able to opt out. | * Consumer protection group |
| **Energy control for household optimisation** | |
| Trial will look at level of payments required for households to participate in DSR | * WPD to feed into Distribution of value |
| **Vulnerable customers and energy efficiency** | |
| Trial still being developed but will involve DNOs working directly with vulnerable customers and providing advice on energy efficiency | UKPN to feed learning into   * Consumer protection * Community energy and energy efficiency |
| **Community Energy Action** | |
| Engagement needs to be tailored to community and financial incentives have not been as strong a driver as expected, with communities not necessarily aligning with network grouped areas | * Community Energy group |