

Chacewater Community Energy Group Cornwall Great Green Energy Summit Sunday 8th Sept

Meur Menydh Nerth Gwyrddh Kernewek: Dy Sul 8 mis Gwynngala Chacewater Village Hall TR4 8PZ

A report on a really busy day! Page One



Oliver

We were delighted to welcome some seventy people to our all day Energy Summit. Many thanks to our many speakers, all who attended, and those who helped with refreshments, printing, welcoming attendees. The day was excellently chaired by Oliver Baines OBE, who kept the speakers to time allotted, allowing time for questions from the audience. In the morning we welcomed Noah Law MP who represents the Newquay St Austell constituency.



Noah

The first speaker was Cllr Martyn Alvey Portfolio Holder for Environment and Climate Change giving an update on the **Cornwall and Isles of Scilly Local Area Energy Plan (LAEP)**. Martyn explained that while many feel we were moving too slowly, Cornwall was recognised as the highest performing single tier rural council in the UK in the latest benchmarking Climate Emergency review. Above the average on 5 of the 7 questions. Just letting ourselves down on transport and waste reduction (see slide 2). Martyn pointed out that only 1% of Cornwall's emissions were under CC's direct control, around 40% under influence (slide 3). Council emissions will be more than halved from 2019 levels by 2026. Action is being taken to address scope 3 emissions (>500KTCO₂e/y). Including commissioned service e.g. waste, learning, construction, health, highways. Cornwall is on track to becoming the first net neutral UK region, placing net zero at the heart of council strategy and policy. Cornwall's LAEP takes a whole system approach e.g. breaking down silos between energy sectors: electricity, heat, transport, and includes a Resident's Energy Panel. Next consultation draft Dec 2024. Plan to be approved Mar 2025, and will feed into the Regional Energy System Plan (RESP) expected in 2026. Slides available as "Chacewater event LAEP.pdf" attached.



Martyn



Tim

Second speaker **Tim Jones** introduced the **Cornwall and IoS Climate Commission**. Our commission will join a network of some forty across GB and the Republic of Ireland. Tim explained what the commission **is**: to promote inclusive processes, serve as a trusted voice, inform, guide, track progress, review, celebrate successes, inform balanced debate. Then explained what the commission **is not**: not a place for marketing or lobbying, not attempting to take over council responsibilities, make policy, and not a "Talking Shop". The commission plans to Challenge, Catalyse, and Convene. We have sixteen commissioners, next round of recruitment 2025, with Justin Olosundé as chair. Slides available as: "CloS Climate Commission Chacewater 8 September 2024.pdf" attached



Third speaker **Lucy Crane** of **Cornish Lithium (CL)** explained the scale of Lithium demand in the UK for EV batteries, and general storage batteries. At least 500,000T Lithium Carbonate equivalent. Cornwall hosts the largest lithium deposit in Europe. Lucy explained that CL used two mining methods hard rock, and brine. The plant now in planning will be at Cross Lanes Chacewater. The trial extraction plant could be running 2027. Slides: "CL Slides for Chacewater Energy Event.pdf" attached.



Fourth speaker **Neil Farrington** of **Celtic Seapower** explained how Floating Off-shore Wind (FLOW) could provide a very large slice of the UK's energy demand. Celtic Seapower is a company owned by Cornwall Council, with a goal to maximise the social and economic benefits of FLOW and other low carbon energy opportunities for Cornwall and the Celtic Sea region. Plans are in place to roll out installations for more than 20 years, with the first four 8MW

turbines planned to be in place 2026, providing 32MW of electricity generation. Average UK household electricity consumption (Ofgem 2023) = 2,900KWh/yr (0.0029GWh/yr). Annual generation from FLOW in the UK Celtic Sea could meet the average annual electricity needs of seven million UK homes. There are also huge savings in greenhouse gas emissions. Saving over 4 million tonnes of CO₂e/year. 2023 average UK grid CO₂e value was 200g/CO₂e/KWh. Cornwall uses approx 2,500GWh of electricity/yr. so FLOW could provide this 8 times over with the rest exported subject to grid capacity.



Slides: "Cornwall Green Energy Summit - Sept 2024 Floating Off Shore Wind.pdf" attached.

