Cynulliad Cenedlaethol Cymru	National Assembly for Wales
Pwyllgor Amgylchedd a	Environment and Sustainability
Chynaliadwyedd	Committee
Dyfodol Ynni Craffach i Gymru?	Smarter energy future for Wales?
Gwybodaeth ychwanegol a ddaeth i law yn ystod yr ymchwiliad	Additional information received during the inquiry
Scottish Power (Saesneg yn unig)	Scottish Power



Mr Alun Ffred Jones Chair, Environment and Sustainability Committee The National Assembly for Wales Cardiff Bay Cardiff CF99 1NA Ref: SAS/HTT

29th October 2015

Dear Mr Jones

### Inquiry into 'A Smarter Energy Future for Wales?'

Thank you for the opportunity to address the Environment and Sustainability Committee last week. I believe we can really build on the work we have been doing with communities and on innovation, both technical and commercial, to take new ideas and best practice forwards across Wales, and I was pleased to provide some information on this to the Committee.

At the Committee last week we presented you with evidence on the clean energy already connected in Mid and North Wales. We should all be proud that we have collectively achieved the position where there is 1400MW of clean energy connected or contracted against 800MW of peak demand for energy.

I am pleased to enclose a copy of our Heat Maps that we discussed last week. These maps are a simple geographical visualisation of the level of generation capacity available in our network at the different voltage levels.

I have included a map showing generation on the network. From this you will be able to see the volume of generation already connected and why much of the previously spare capacity has now been utilised, particularly at the lower voltage levels. The maps also give a picture following the investment that is planned within our current Regulatory Settlement Period RIIO ED1 and show the projected generation capacity by the end of this period.

I look forward to continuing our dialogue from last week,

Yours sincerely

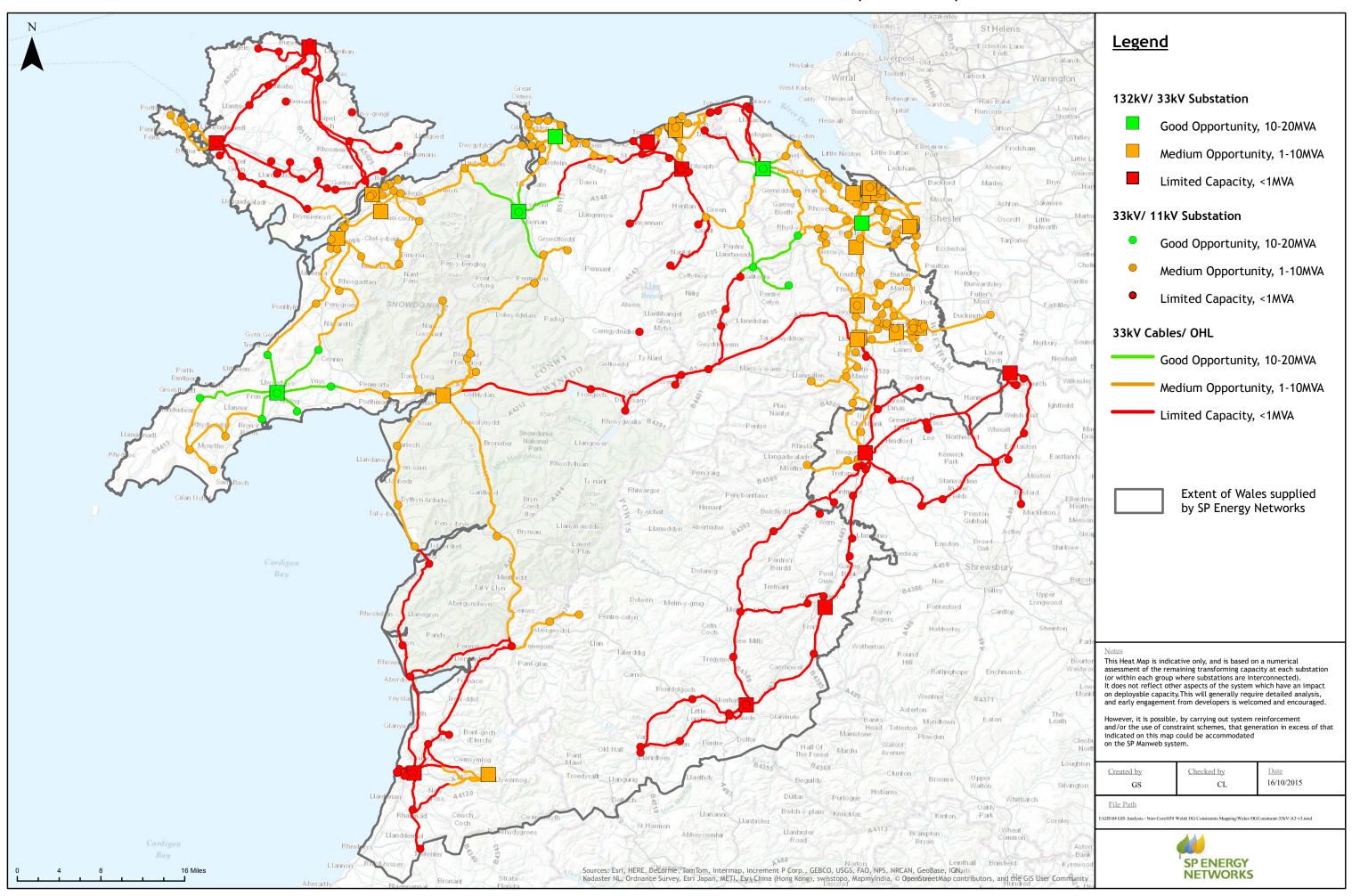
Stephen Stewart

SP Manweb Licence Director

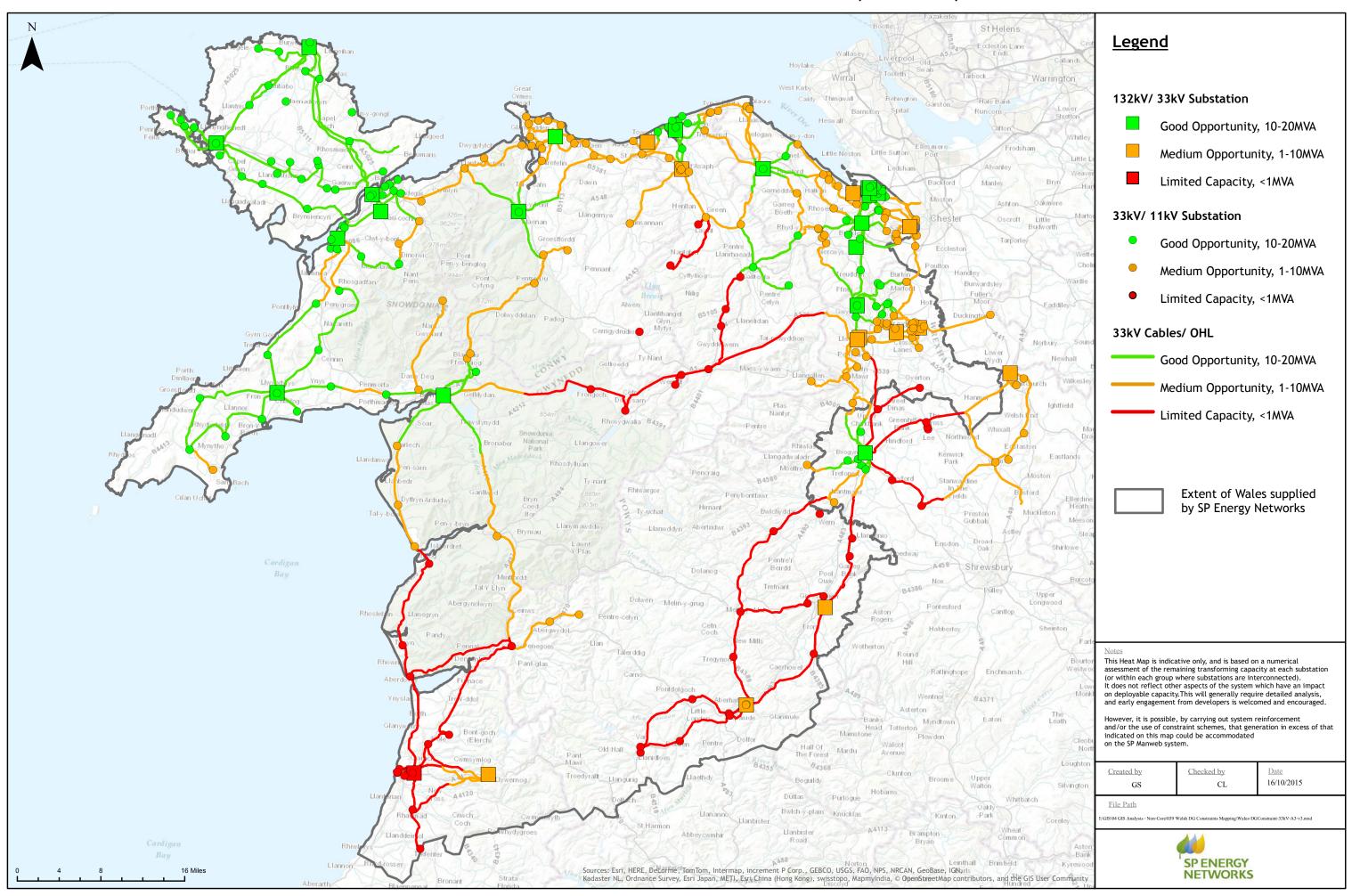


John A Stewart.

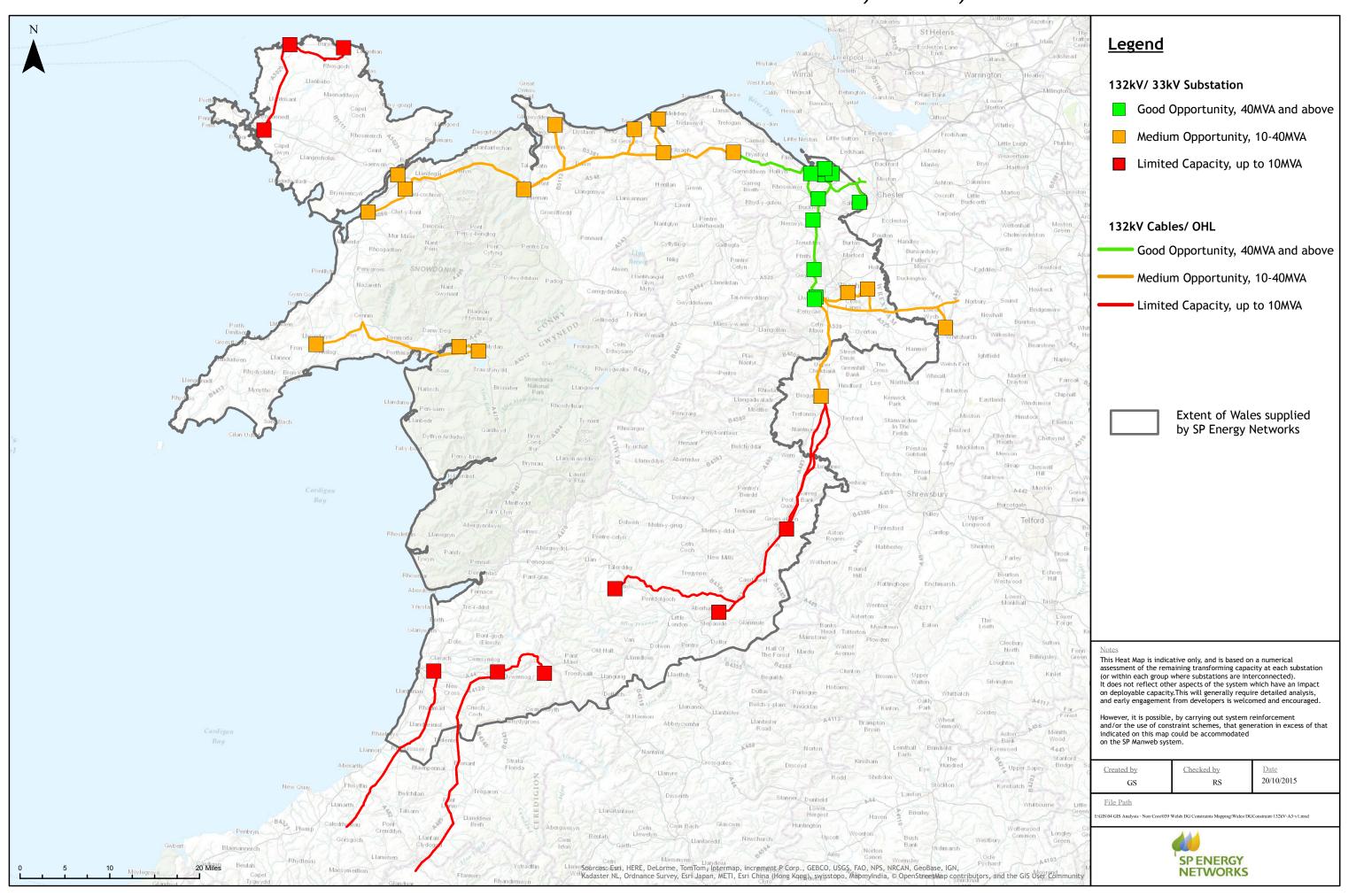
## 33kV Dosbarthwyd Cyfyngiadau Cynhyrchu, Cymru, 2015 33kV Distributed Generation Constraints, Wales, 2015



## 33kV Dosbarthwyd Cyfyngiadau Cynhyrchu, Cymru, 2023 33kV Distributed Generation Constraints, Wales, 2023



# 132kV Dosbarthwyd Cyfyngiadau Cynhyrchu, Cymru, 2015 132kV Distributed Generation Constraints, Wales, 2015



# 132kV Dosbarthwyd Cyfyngiadau Cynhyrchu, Cymru, 2023 132kV Distributed Generation Constraints, Wales, 2023

