

QUESTION 5 ON TRAINING COURSE - COMPUTING OVERALL ECONOMIC IMPACT OF GREEN ECONOMY ON LOCAL ECONOMY

Based on Freedom of Information requests to all 11 Councils, LPS and the Department of Finance here in Northern Ireland.

Renewable Type analysed by Council	Jurisdiction	Rates Income from Renewable Energy Projects										Councils' own renewables		Legacy systems rates			on a percentage basis	
		Anaerobic	Biomass	Hydro Electric	Landfill Gas	Energy Storage	Photo Voltaic (Solar)	Wind Farm	Solo Wind Turbine	Income from Renewables	Other savings from Renewables	Renewables Total	Rates Income from Fossil Fuels	Rates from Energy Network	Overall Rates from Energy	Rates Income from ALL SOURCES	%age of rates from 'new economy'	
Fermanagh and Omagh	NI	£157,645			£2,743	£0		£4,844,205	£192,231	£2,354	£217,400	£5,416,578			£6,950,736	£63,228,870.06	10.99%	
Causeway Coast and Glens	NI	£92,222		£35	£10,123	£0	£226,409	£3,289,351	£436,613	£182,000	£32,000	£4,268,753			£5,503,019	£82,899,914.18	6.64%	
Derry City and Strabane District Council	NI	£207,578	£229,749	£15,165	£4,061	£0		£3,274,405	£191,894	£76,196	£10,000	£4,009,048	£1,952,544	£1,743,560	£7,705,152	£84,959,087.92	9.07%	
Mid Ulster	NI	£241,066		£1,924	£7,795	£40,550	£37,817	£892,027	£188,564	£222,569	£0	£1,632,312		£5,836,987	£7,469,299	£68,553,900.13	10.90%	
Mid and East Antrim	NI	£92,241		£5,889	£3,997	£0	£17,756	£721,261	£483,990	£101,302	£0	£1,426,436	£4,932,312	£1,165,581	£7,524,329	£79,515,447.94	9.46%	
Belfast	NI				£8,598	£0	£14,371		£11,930	£597,808	£345	£633,052		£1,633,202	£2,266,254	£261,912,921.21	0.87%	
Antrim and Newtownabbey	NI	£32,487		£4,479	£6,106	£0	£127,655	£202,187	£114,998	£0	£5,000	£492,912		£922,855	£1,415,767	£82,785,707.89	1.71%	
Ards and North Down	NI	£11,397				£0	£68,348	£4,901	£224,344	£153,961	£3,500	£466,451		£1,484,741	£1,951,192	£97,955,353.47	1.99%	
Lisburn and Castlereagh	NI	£68,002			£15,813	£0	£288,055		£94,516	£0	£0	£466,386		£2,321,014	£2,787,400	£91,797,997.98	3.04%	
Armagh City, Banbridge and Craigavon	NI	£181,614		£135	£11,599	£0		£1,014	£202,256	£2,163	£1,443	£400,224		£954,952	£1,355,176	£110,986,508.53	1.22%	
Newry, Mourne and Down	NI	£21,373		£10,019	£6,804	£0			£147,051	£18,252	£84,560	£288,059		£1,231,036	£1,519,095	£94,886,122.35	1.60%	
NI Total	NI	£1,105,625	£229,749	£37,646	£77,639	£40,550	£780,411	£13,229,351	£2,288,387	£1,356,604	£354,248	£19,500,210	check		£46,447,418	£1,119,481,832	4.15%	

Projection to 2030 for Council rates and income from renewables (based on today's prices)

CURRENT INCOME PER FOI REQUESTS ABOVE FROM 11 COUNCILS
 ADD NI STRATEGY TO MOVE TO 100% RENEWABLES (ELECTRIC)
 Electrification of other 84% of NI energy
 efficiency factor of electricity over fossil fuel ~30%

Projected total possible rates from renewable energy.

£
£19,500,210 (only 45% electricity)

***Note:** The current 2021 consultation from the Department of the Economy assumes that NI will be able to decrease overall demand for energy from ~50,000 GWh pa to ~20,000 GWh per annum. The estimates above are based on this projection.

They suggest that this can be done through a 'Green New Deal' style campaign to make buildings energy efficient, to have homes and businesses provide their own heat and power via PV panels and heat pumps and greater use of public transport.

This scale of reduction in energy demand looks very improbable to our study group, given the absence of any "Green New Deal" initiative in NI. Energy demand, at best, will plateau while switching to renewables as predicted by the Department.

IN THIS EVENT THE estimate above will be a gross underestimate of the rateable value of all potential renewable energy projects. The overwhelming proportion of this energy will be electric. Rates pa could be expected to exceed £200 million

NOTE: Should NI push renewable projects off-shore, then no annual income can be received by Councils or the NI Department of Finance as the equivalent of rates will instead accrue to the Crown Estate and thus Westminster

PROJECTED RATES INCREASE
 from ~£20M pa in 19/20 up to 2030

THIS ~20M is 14% £140M PROJECTION AND LESS THAN 10% OF MOST LIKELY £200M PROJECTION

Figure 13: Final Energy Consumption by Fuel Source, 2018 (% of total energy)

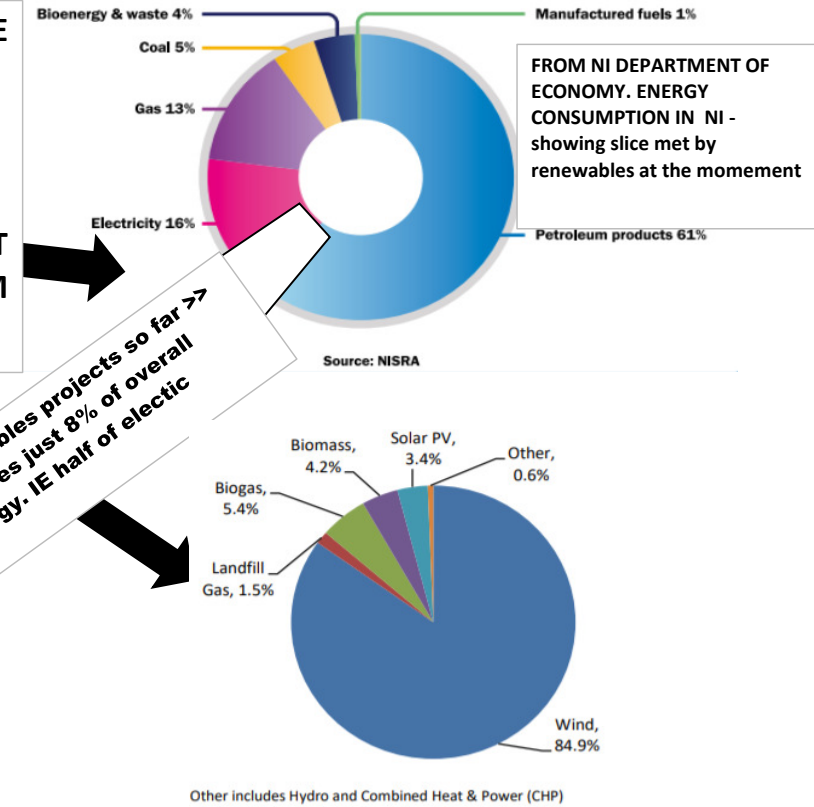


Table 2.1 LCRE Direct Activity Key Statistics by UK Country - Annual Average Turnover and Full-Time Equivalent (FTE) Employment, 2014-2016, 2015-2017 and 2016-2018

	Turnover (£billion)			Employees (FTE)		
	2014-2016	2015-2017	2016-2018	2014-2016	2015-2017	2016-2018
UK	41.7	42.1	44.2	215,900	210,600	218,600
England	32.9	33.3	34.9	175,800	171,000	178,200
Scotland	5.8	5.8	6.1	23,400	23,000	23,100
Wales	2.1	2.0	2.1	11,000	11,100	11,500
Northern Ireland	1.0	0.9	1.0	5,700	5,500	5,900

Source: Office for National Statistics (<https://www.ons.gov.uk/economy/environmentalaccounts/bulletins/finalestimates/2018/relateddata>)²⁵