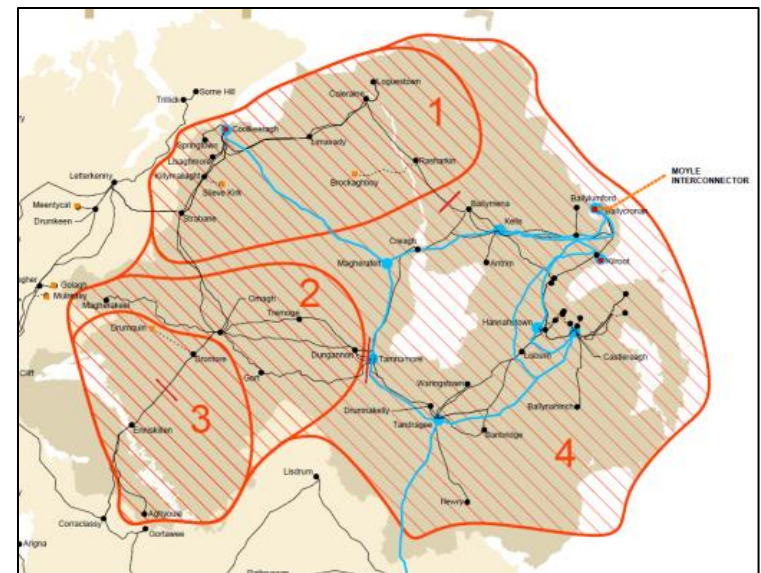
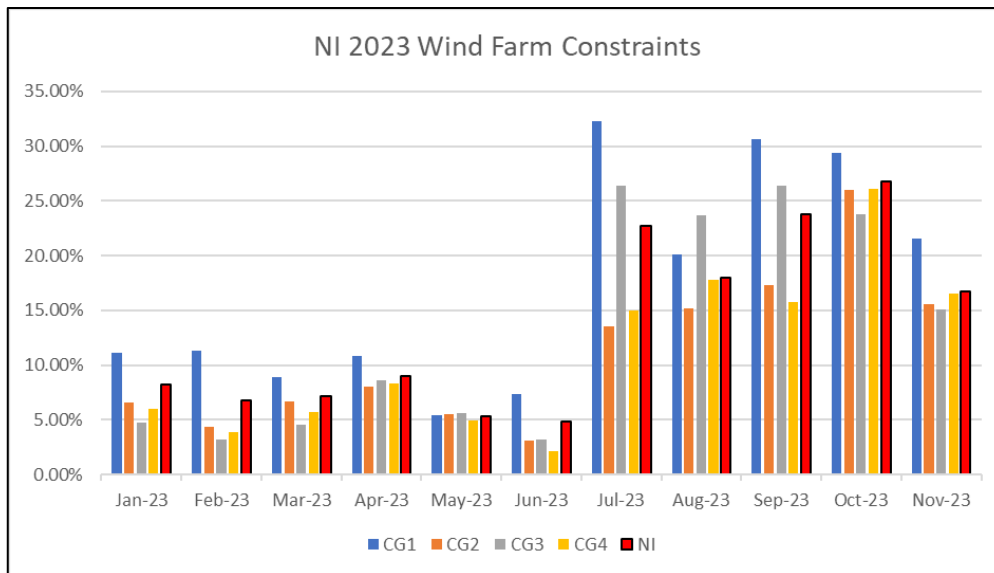
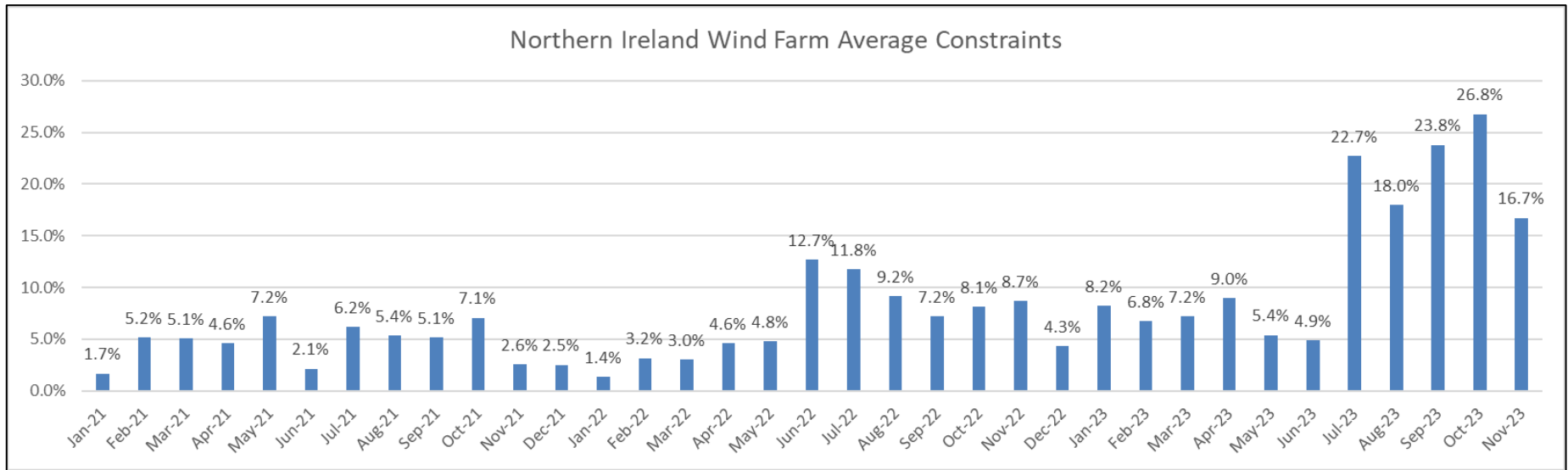


Northern Ireland Wind Farm Dispatch Down Analysis

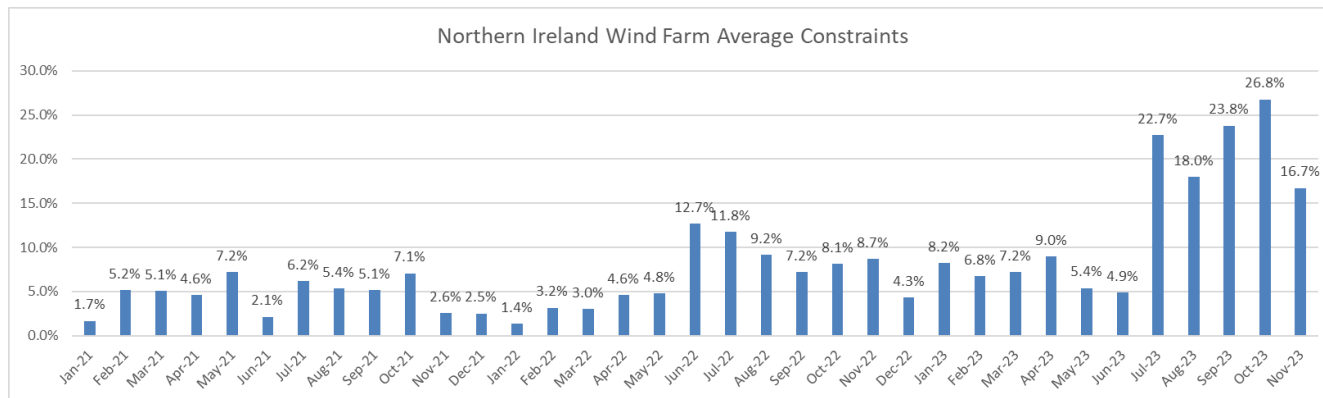
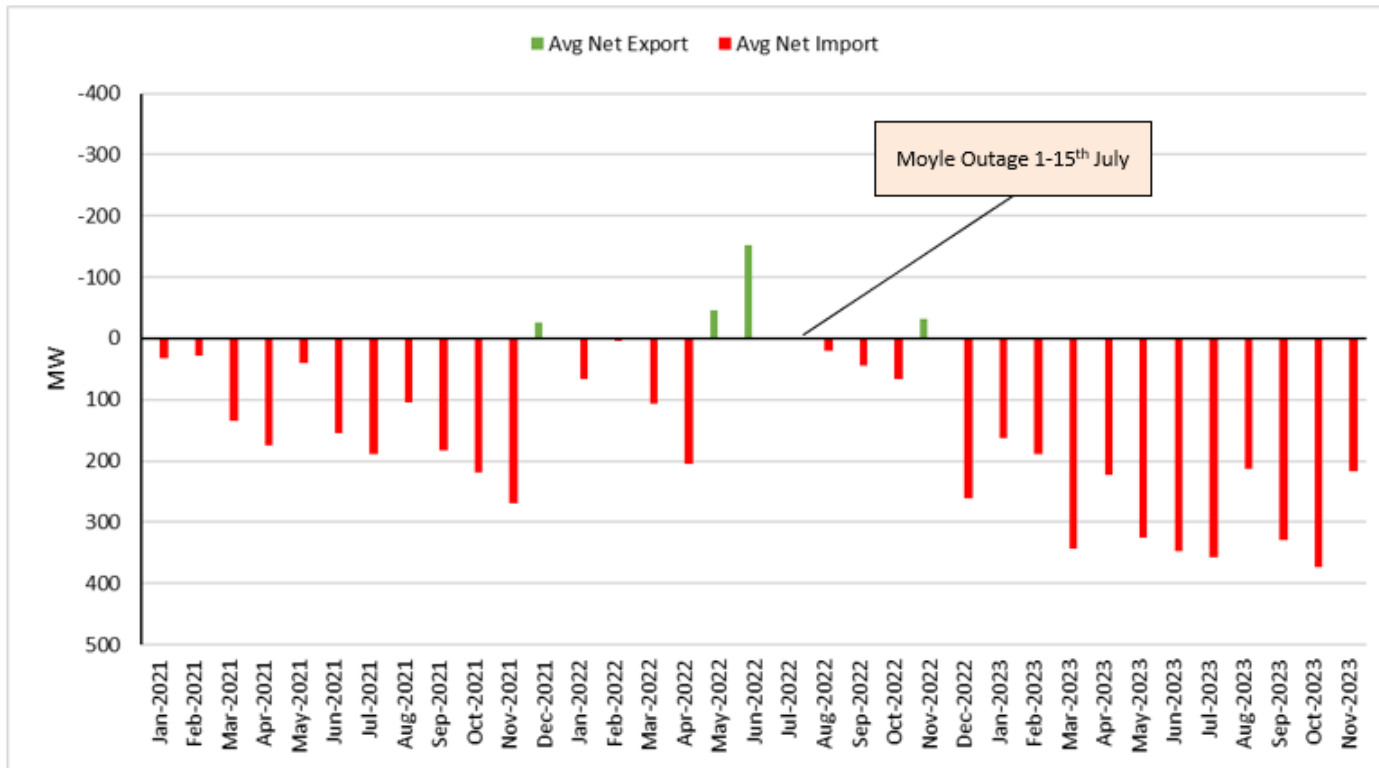
Up to end of November 2023

1. Historical NI Wind Constraints

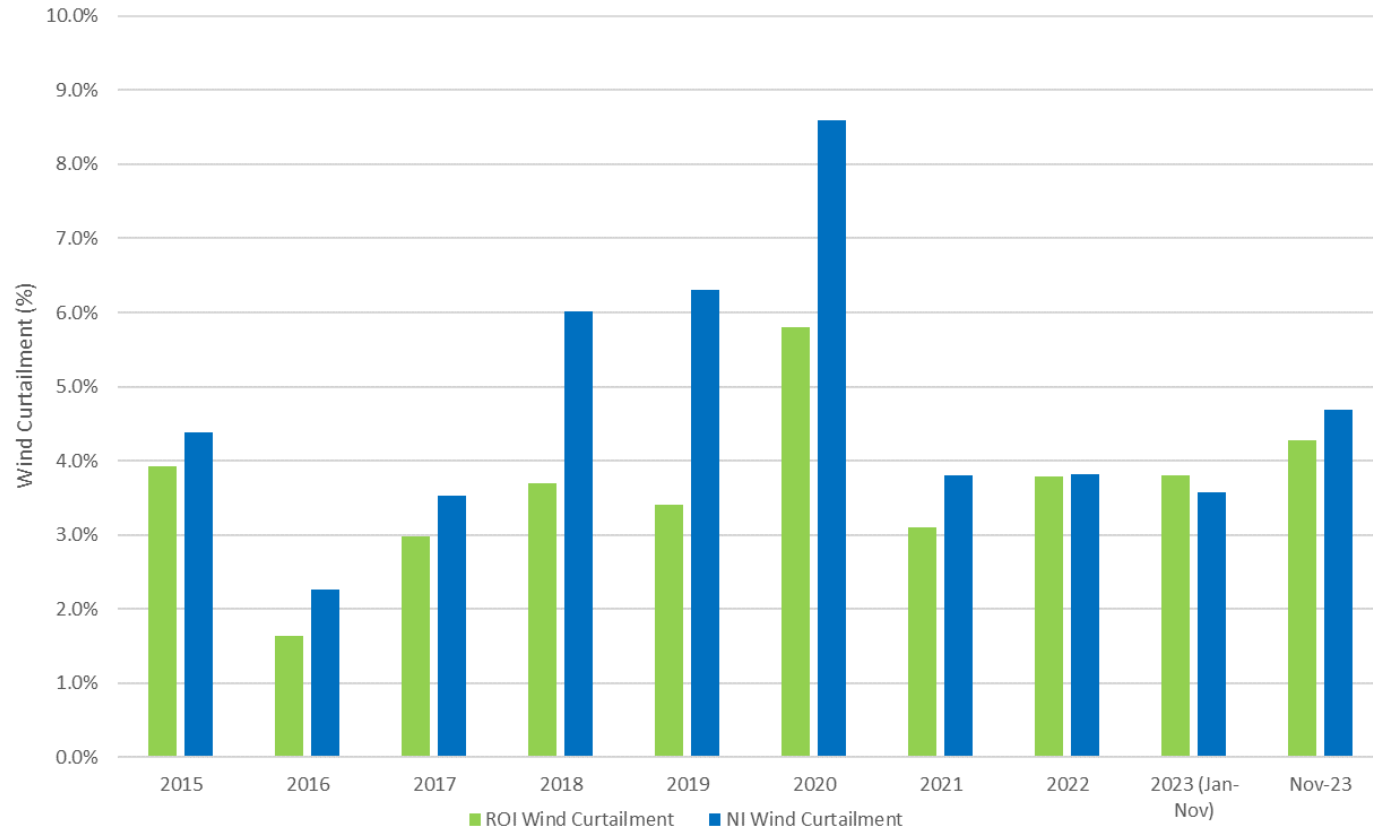


Source: SONI Wind Farm Dispatch Down Reports

2. Moyle Interconnector Activity During NI North-South Constraint Events

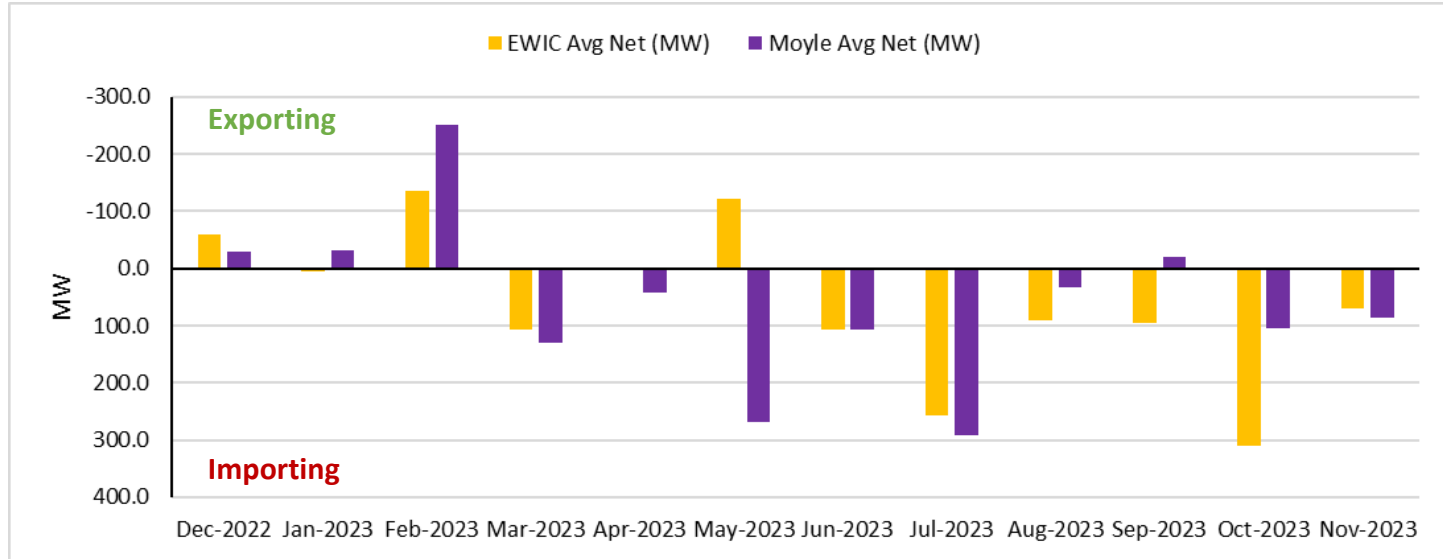


3. Historical Wind Curtailment



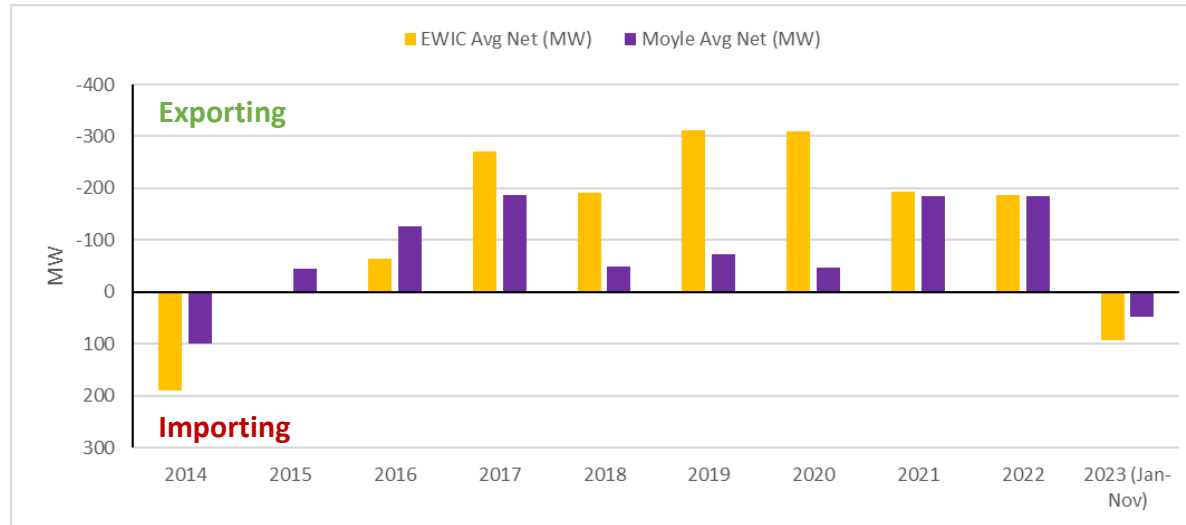
Source: EirGrid & SONI's Annual Renewable Energy Constraint and Curtailment Reports, and Wind Farm Dispatch Down Reports

4. Update on Interconnector Activity During Wind Curtailment Events per Month



Type	Parameter	Nov-2022	Dec-2022	Jan-2023	Feb-2023	Mar-2023	Apr-2023	May-2023	Jun-2023	Jul-2023	Aug-2023	Sep-2023	Oct-2023	Nov-2023
Curtailment Event	ROI Curtailment Event Nr.	28	17	20	10	19	18	5	5	15	23	18	22	22
	NI Curtailment Event Nr.	17	14	21	6	13	10	2	3	12	16	15	10	14
Curtailment	EWIC Avg Net (%)	-41%	-11%	1%	-26%	20%	1%	-23%	20%	49%	17%	18%	59%	13%
	EWIC Avg Net (MW)	-215	-59	6	-137	107	4	-123	107	258	90	95	311	69
	Moyle Avg Net (%)	-46%	-7%	-8%	-63%	32%	11%	67%	27%	73%	8%	-5%	26%	22%
	Moyle Avg Net (MW)	-184	-29	-31	-252	129	42	268	108	293	33	-20	104	87
	EWIC & Moyle Avg Net (%)	-43%	-9%	-3%	-42%	25%	5%	16%	23%	59%	13%	8%	45%	17%
	EWIC & Moyle Avg Net (MW)	-399	-87	-25	-389	236	46	145	214	551	123	76	416	156
All Periods	EWIC Avg Net (MW) - Day	-106	-47	94	58	140	135	315	304	238	233	292	372	256
	EWIC Avg Net (MW) - Night	-139	10	79	32	92	57	166	153	174	183	180	325	184
	Moyle Avg Net (MW) - Day	-105	-6	116	76	203	218	340	375	305	236	306	377	299
	Moyle Avg Net (MW) - Night	-141	29	108	27	154	142	283	286	245	181	230	290	221

5. Update on Interconnector Activity During Wind Curtailment Events per Year



Type	Parameter	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023 (Jan-Nov)
Curtailment Event (Nr.)	ROI Curtailment Event (Nr.)	137	119	87	103	112	135	203	141	161	177
Curtailment	EWIC & Moyle Avg Net (MW)	289	-47	-191	-457	-239	-383	-357	-379	-371	141
	EWIC & Moyle Avg Net (%)	31%	-5%	-21%	-49%	-26%	-41%	-38%	-41%	-40%	15%
	EWIC Avg Net (MW)	190	-1	-64	-271	-190	-311	-310	-193	-186	94
	EWIC Avg Net (%)	36%	0%	-12%	-51%	-36%	-59%	-59%	-36%	-35%	18%
	Moyle Avg Net (MW)	99	-46	-127	-186	-49	-72	-46	-186	-185	47
	Moyle Avg Net (%)	40%	-18%	-42%	-62%	-16%	-19%	-12%	-46%	-46%	12%
All Periods	EWIC Avg Net (MW) - Day	376	213	14	-18	39	-40	-77	92	-48	223
	EWIC Avg Net (MW) - Night	78	-24	-15	-171	-154	-83	-156	-14	-112	149
	Moyle Avg Net (MW) - Day	154	61	-11	41	145	98	74	131	-5	260
	Moyle Avg Net (MW) - Night	50	-92	-59	-76	16	67	-48	35	-87	198