

DCMDG Issues Form

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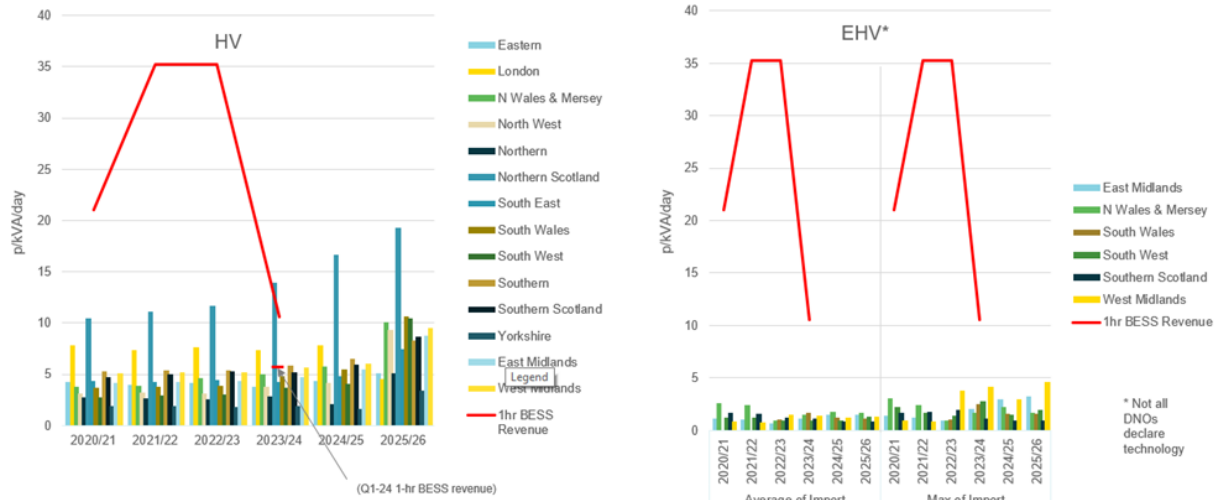
Document Control	
Issue Title:	Import Capacity Charges for Storage Facilities
Issue Number*:	12
Attachments:	None
Date Submitted	22/07/2024

**Assigned by DCUSA Secretariat*

Originator details	
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Nature of Issue
<p>Storage projects at HV/LV are charged the same Import Capacity Charges as industrial baseload demand despite completely different dispatch patterns. EHV storage, which has project-specific quotes, are much lower as they reflect the fact that storage is often reducing peak demand.</p> <p>You'll see from the graph on the left below that for many DNO regions, HV connected BESS already pay more in Import Capacity Charges alone than they are making in revenue, with charges increasing over the coming year. Many sites will simply have to turn off for good if this isn't changed.</p> <p>The frequently cited response is that unit/red-band charges offer upside to trading in these locations but our real-world experience on our own projects, managed by some of the country's leading and most sophisticated optimisers, is that these additional spreads don't create any benefit as they don't have enough of an effect on spreads to change the dispatch profile. Over multiple years our DUoS 'unit revenue' has been flat while in May, for one of our sites as an example, our total revenue earned was £12k (with no availability issues) while DUoS import was £8k.</p> <p>A table has been added below (see page 3) which shows the p/kVA/day capacity charge for HV Site Specific Tariffs across all DNOs for five charging years (2021/22 to 2025/26) as a means of showing the data in table format. Note that a value of 5MW has been converted to 5263kVA using an online calculator. Two charts have been added (see pages 4 and 5) which show the data from the final table (HV Site Specific (£/5263kVA/month) for each DNO across each of the five years and across the 5 years for each DNO.</p>

Storage Import Capacity Charges



Solution Overview – If Known

Solution Description

We believe storage should have its own DUoS charging category that reflect its import patterns and hopefully lower this charge.

Lead Time For Implementation

As soon as possible.

*Note from DCUSA Code Admin that it is likely to need to adhere to a timeline that would allow for it to be included in time for DNOs to set tariffs for the 2027/28 charging year – (i.e., change raised and pushed through process and Ofgem approval given by end of September 2025).

		UKPN_EPN	ENWL	UKPN_LPN	NGED_EMEB	NGED_SWAE	NGED_SWEB	NGED_MIDE	NPG_NE	NPG_YRK	SSEN_SHEPD	UKPN_SPN	SSEN_SEPD	SPEN_SPD	SPEN_SPM
2021/22	HV Site Specific (p/kVA/day)	4.01	3.19	7.39	4.28	3.74	2.95	5.16	2.69	1.89	11.11	4.27	5.40	4.96	3.92
2022/23	HV Site Specific (All Bands) (p/kVA/day)	4.19	3.15	7.67	4.32	3.92	3.07	5.18	2.52	1.76	11.66	4.44	5.38	5.3	4.61
2023/24	HV Site Specific (All Bands) (p/kVA/day)	3.75	3.76	7.31	4.7	4.84	3.72	5.64	2.86	1.88	13.9	4.25	5.87	5.23	5.01
2024/25	HV Site Specific (All Bands) (p/kVA/day)	4.34	4.18	7.86	7.54	5.45	4.09	6.08	2.13	1.64	16.62	4.86	6.49	5.97	5.72
2025/26	HV Site Specific (All Bands) (p/kVA/day)	5.09	9.34	4.49	8.76	10.65	10.5	9.5	5.09	3.36	19.33	7.41	8.31	8.66	10.12

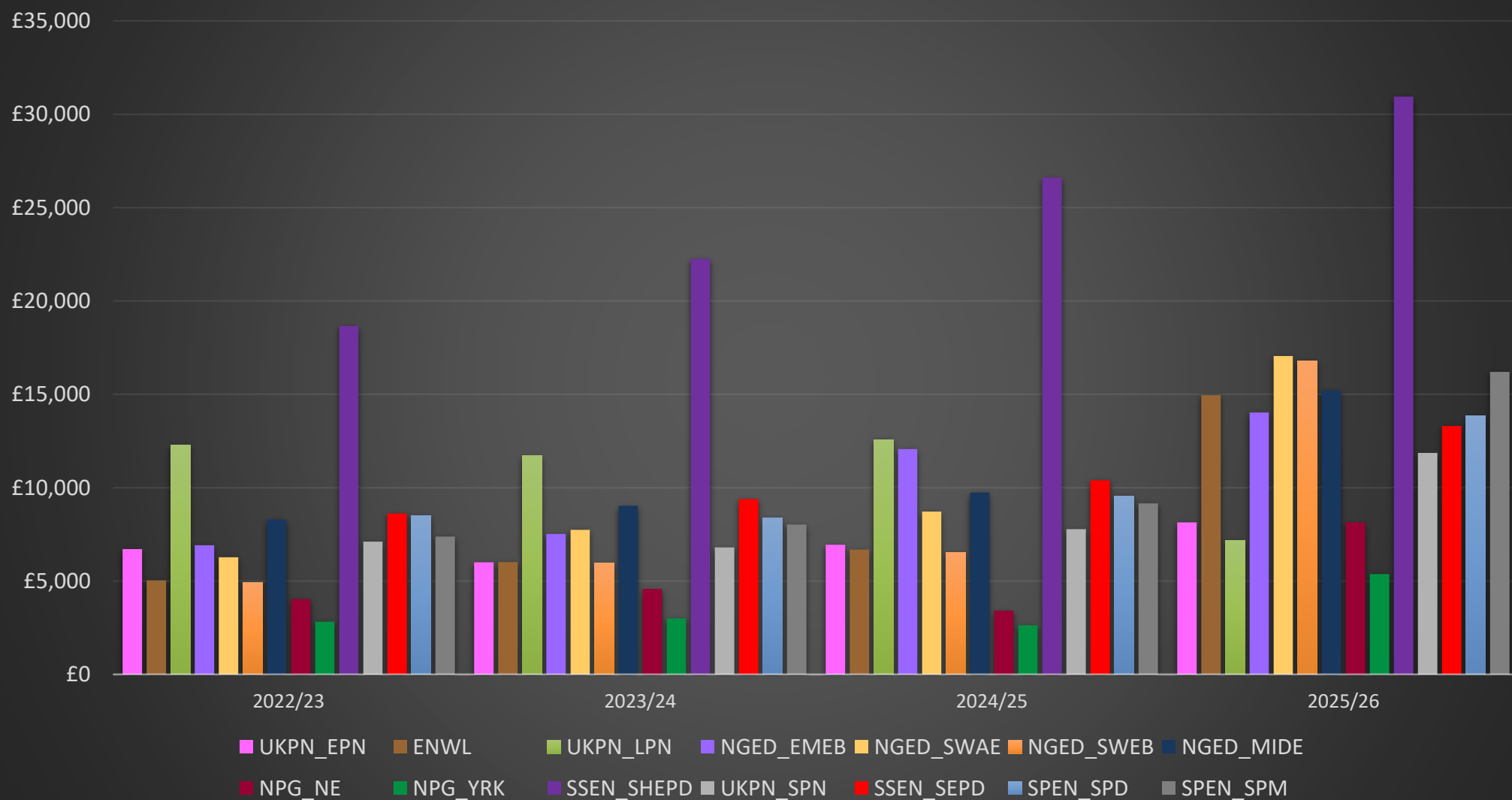
% Diff 2021-22 / 2022-23	4%	-1%	4%	1%	5%	4%	0%	-6%	-7%	5%	4%	0%	7%	18%
% Diff 2022-23 / 2023-24	-11%	19%	-5%	9%	23%	21%	9%	13%	7%	19%	-4%	9%	-1%	9%
% Diff 2023-24 / 2024-25	16%	11%	8%	60%	13%	10%	8%	-26%	-13%	20%	14%	11%	14%	14%
% Diff 2024-25 / 2025-26	17%	123%	-43%	16%	95%	157%	56%	139%	105%	16%	52%	28%	45%	77%

		UKPN_EPN	ENWL	UKPN_LPN	NGED_EMEB	NGED_SWAE	NGED_SWEB	NGED_MIDE	NPG_NE	NPG_YRK	SSEN_SHEPD	UKPN_SPN	SSEN_SEPD	SPEN_SPD	SPEN_SPM
2021/22	HV Site Specific (£/5263kVA/day)	£211.05	£167.89	£388.94	£225.26	£196.84	£155.26	£271.57	£141.57	£99.47	£584.72	£224.73	£284.20	£261.04	£206.31
2022/23	HV Site Specific (£/5263kVA/day)	£220.52	£165.78	£403.67	£227.36	£206.31	£161.57	£272.62	£132.63	£92.63	£613.67	£233.68	£283.15	£278.94	£242.62
2023/24	HV Site Specific (£/5263kVA/day)	£197.36	£197.89	£384.73	£247.36	£254.73	£195.78	£296.83	£150.52	£98.94	£731.56	£223.68	£308.94	£275.25	£263.68
2024/25	HV Site Specific (£/5263kVA/day)	£228.41	£219.99	£413.67	£396.83	£286.83	£215.26	£319.99	£112.10	£86.31	£874.71	£255.78	£341.57	£314.20	£301.04
2025/26	HV Site Specific (£/5263kVA/day)	£267.89	£491.56	£236.31	£461.04	£560.51	£552.62	£499.99	£267.89	£176.84	£1,017.34	£389.99	£437.36	£455.78	£532.62

		UKPN_EPN	ENWL	UKPN_LPN	NGED_EMEB	NGED_SWAE	NGED_SWEB	NGED_MIDE	NPG_NE	NPG_YRK	SSEN_SHEPD	UKPN_SPN	SSEN_SEPD	SPEN_SPD	SPEN_SPM
2021/22	HV Site Specific (£/5263kVA/year)	£77,031.90	£61,279.74	£141,961.53	£82,218.59	£71,845.21	£56,669.35	£99,123.34	£51,674.77	£36,306.81	£213,422.54	£82,026.49	£103,733.73	£95,281.35	£75,303.00
2022/23	HV Site Specific (£/5263kVA/year)	£80,489.69	£60,511.34	£147,340.32	£82,986.98	£75,303.00	£58,974.55	£99,507.54	£48,409.07	£33,809.51	£223,988.02	£85,292.18	£103,349.53	£101,812.74	£88,557.87
2023/24	HV Site Specific (£/5263kVA/year)	£72,037.31	£72,229.41	£140,424.73	£90,286.77	£92,976.16	£71,461.01	£108,344.12	£54,940.46	£36,114.71	£267,018.31	£81,642.29	£112,762.41	£100,468.04	£96,241.85
2024/25	HV Site Specific (£/5263kVA/year)	£83,371.18	£80,297.59	£150,990.21	£144,843.02	£104,694.23	£78,568.70	£116,796.50	£40,917.19	£31,504.32	£319,269.37	£93,360.36	£124,672.58	£114,683.40	£109,880.91
2025/26	HV Site Specific (£/5263kVA/year)	£97,778.65	£179,420.93	£86,252.68	£168,279.16	£204,585.97	£201,704.48	£182,494.53	£97,778.65	£64,545.43	£371,328.33	£142,345.73	£159,634.68	£166,358.17	£194,404.69

		UKPN_EPN	ENWL	UKPN_LPN	NGED_EMEB	NGED_SWAE	NGED_SWEB	NGED_MIDE	NPG_NE	NPG_YRK	SSEN_SHEPD	UKPN_SPN	SSEN_SEPD	SPEN_SPD	SPEN_SPM
2021/22	HV Site Specific (£/5263kVA/month)	£6,419.32	£5,106.65	£11,830.13	£6,851.55	£5,987.10	£4,722.45	£8,260.28	£4,306.23	£3,025.57	£17,785.21	£6,835.54	£8,644.48	£7,940.11	£6,275.25
2022/23	HV Site Specific (£/5263kVA/month)	£6,707.47	£5,042.61	£12,278.36	£6,915.58	£6,275.25	£4,914.55	£8,292.30	£4,034.09	£2,817.46	£18,665.67	£7,107.68	£8,612.46	£8,484.39	£7,379.82
2023/24	HV Site Specific (£/5263kVA/month)	£6,003.11	£6,019.12	£11,702.06	£7,523.90	£7,748.01	£5,955.08	£9,028.68	£4,578.37	£3,009.56	£22,251.53	£6,803.52	£9,396.87	£8,372.34	£8,020.15
2024/25	HV Site Specific (£/5263kVA/month)	£6,947.60	£6,691.47	£12,582.52	£12,070.25	£8,724.52	£6,547.39	£9,733.04	£3,409.77	£2,625.36	£26,605.78	£7,780.03	£10,389.38	£9,556.95	£9,156.74
2025/26	HV Site Specific (£/5263kVA/month)	£8,148.22	£14,951.74	£7,187.72	£14,023.26	£17,048.83	£16,808.71	£15,207.88	£8,148.22	£5,378.79	£30,944.03	£11,862.14	£13,302.89	£13,863.18	£16,200.39

DNO HV Site Specific Import Capacity Charges (All Bands) (£/5263kVA/month)



DNO HV Site Specific Import Capacity Charges (All Bands) (£/5263kVA/month)

