



Dean Moor Solar Farm

Environmental Statement: Appendix 9.7 – Average Summer Precipitation Rate Anomaly on behalf of **FVS Dean Moor Limited**

March 2025
Prepared by: Stantec UK Ltd
PINS Ref: EN010155
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Revision: 1



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DEAN MOOR SOLAR FARM
ENVIRONMENTAL STATEMENT
APPENDIX 9.7 – AVERAGE SUMMER PRECIPITATION RATE ANOMALY
PLANNING INSPECTORATE REFERENCE EN010155
PREPARED ON BEHALF OF FVS DEAN MOOR LIMITED

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations
2009, Regulation 5(2)(a)

Project Ref:	EN010155/ES/Appendix 9.7: Average Summer Precipitation Rate Anomaly
Status	Final
Issue/ Rev:	1
Date:	March 2025

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1 Average Summer Precipitation Rate Anomaly Data

- Area: 312500.0512500.0
- Baseline: 1981-2000
- Data Source: land probabilistic projections
- Data type: cdf
- Scenario: RCP 8.5
- Show labels: TRUE
- Software version: WPS-2.10.0-DP-2.10.0-CV-1.0.10
- Spatial representation: 25km grid
- Temporal average type: seasonal
- Time period: June, July, August
- Time slice type: 1-year time slices
- Variable: precipitation rate anomaly (%)
- Year maximum: 2077
- Year minimum: 2024

Date	Precipitation rate anomaly (%) (5 th Percentile)	Precipitation rate anomaly (%) (10 th Percentile)	Precipitation rate anomaly (%) (25 th Percentile)	Precipitation rate anomaly (%) (50 th Percentile)	Precipitation rate anomaly (%) (75 th Percentile)	Precipitation rate anomaly (%) (90 th Percentile)	Precipitation rate anomaly (%) (95 th Percentile)
16/07/2024	-45.80607	-36.474247	-21.481548	-3.7950716	15.585216	34.506233	46.442986
16/07/2025	-46.145164	-36.687008	-21.598217	-3.9537835	15.44881	34.54835	46.63743
16/07/2026	-46.506504	-36.92498	-21.73201	-4.126358	15.303345	34.58198	46.82317
16/07/2027	-46.88811	-37.188583	-21.88531	-4.314156	15.147499	34.60549	46.998203
16/07/2028	-47.287457	-37.477657	-22.060139	-4.518312	14.979975	34.61711	47.16025
16/07/2029	-47.70145	-37.791443	-22.258085	-4.739696	14.799504	34.614876	47.306725
16/07/2030	-48.12649	-38.128555	-22.480219	-4.9788857	14.604872	34.59661	47.434708
16/07/2031	-48.558548	-38.487007	-22.727066	-5.236157	14.3949175	34.559944	47.540943
16/07/2032	-48.99325	-38.864265	-22.9986	-5.511487	14.168557	34.50232	47.621902

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16/07/2033	-49.426052	-39.257313	-23.294247	-5.804573	13.924799	34.421055	47.673843
16/07/2034	-49.852356	-39.662785	-23.612942	-6.1148615	13.6627655	34.313404	47.692932
16/07/2035	-50.26771	-40.07708	-23.953196	-6.441584	13.381719	34.176678	47.675373
16/07/2036	-50.66798	-40.496513	-24.313173	-6.7838063	13.081088	34.008335	47.617565
16/07/2037	-51.04952	-40.917484	-24.690794	-7.14047	12.7605	33.806118	47.51628
16/07/2038	-51.40935	-41.336613	-25.08384	-7.510442	12.419808	33.56818	47.36881
16/07/2039	-51.74532	-41.750904	-25.490057	-7.892557	12.05912	33.293186	47.173134
16/07/2040	-52.0562	-42.157883	-25.907259	-8.285659	11.678819	32.98043	46.92805
16/07/2041	-52.341774	-42.555683	-26.33341	-8.688626	11.279578	32.62991	46.633266
16/07/2042	-52.602875	-42.943134	-26.7667	-9.100401	10.862371	32.242363	46.289455
16/07/2043	-52.84137	-43.319794	-27.20559	-9.519995	10.428468	31.819294	45.89827
16/07/2044	-53.06008	-43.68593	-27.648832	-9.946498	9.979422	31.362934	45.4623
16/07/2045	-53.262684	-44.04248	-28.09549	-10.379067	9.517051	30.876204	44.985
16/07/2046	-53.45353	-44.390984	-28.544903	-10.8169155	9.043412	30.362627	44.47056
16/07/2047	-53.63747	-44.73343	-28.996658	-11.25929	8.560767	29.82623	43.923756
16/07/2048	-53.819637	-45.072174	-29.450542	-11.705451	8.071546	29.271427	43.34981
16/07/2049	-54.005234	-45.40976	-29.90649	-12.154656	7.578301	28.70291	42.75423
16/07/2050	-54.199287	-45.7488	-30.364527	-12.606138	7.083668	28.125519	42.142624
16/07/2051	-54.406487	-46.091824	-30.824718	-13.059105	6.590309	27.544136	41.52061
16/07/2052	-54.630962	-46.441166	-31.287128	-13.5127325	6.1008596	26.963581	40.893673
16/07/2053	-54.87618	-46.798866	-31.751787	-13.9661875	5.6178718	26.388506	40.267075
16/07/2054	-55.14479	-47.166588	-32.21867	-14.418638	5.14375	25.823322	39.64579
16/07/2055	-55.43861	-47.545567	-32.68769	-14.86929	4.6806965	25.272116	39.03445
16/07/2056	-55.758564	-47.93659	-33.1587	-15.317414	4.2306514	24.738594	38.437336

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16/07/2057	-56.10471	-48.33999	-33.631485	-15.762374	3.795249	24.226046	37.858353
16/07/2058	-56.4763	-48.75567	-34.105785	-16.203653	3.3757837	23.73731	37.30105
16/07/2059	-56.871857	-49.18314	-34.581314	-16.640882	2.9731853	23.274765	36.76862
16/07/2060	-57.289295	-49.621567	-35.05775	-17.073835	2.588009	22.840322	36.26394
16/07/2061	-57.726044	-50.069855	-35.53478	-17.50245	2.2204368	22.435425	35.789543
16/07/2062	-58.179207	-50.526714	-36.01209	-17.92682	1.8702828	22.061045	35.347637
16/07/2063	-58.64571	-50.990746	-36.489403	-18.347187	1.5370091	21.717691	34.940067
16/07/2064	-59.122456	-51.460533	-36.966484	-18.763927	1.2197422	21.4054	34.56829
16/07/2065	-59.606445	-51.934708	-37.443165	-19.177555	0.9172926	21.123724	34.233307
16/07/2066	-60.094925	-52.41203	-37.91936	-19.588696	0.6281746	20.871738	33.93564
16/07/2067	-60.585453	-52.891445	-38.39508	-19.998087	0.35062614	20.648027	33.675243
16/07/2068	-61.07599	-53.372124	-38.870457	-20.406569	0.08262804	20.450674	33.45148
16/07/2069	-61.564915	-53.85349	-39.345753	-20.815083	-0.1780774	20.277271	33.263058
16/07/2070	-62.051056	-54.33523	-39.821365	-21.224672	-0.43396658	20.124922	33.10801
16/07/2071	-62.533688	-54.817307	-40.297863	-21.636488	-0.6877121	19.990252	32.983665
16/07/2072	-63.01247	-55.299923	-40.775967	-22.051788	-0.9421559	19.86945	32.886673
16/07/2073	-63.48744	-55.783512	-41.25656	-22.471941	-1.2002764	19.7583	32.813026
16/07/2074	-63.95891	-56.268692	-41.74069	-22.898428	-1.4651477	19.65225	32.75812
16/07/2075	-64.42747	-56.756226	-42.229546	-23.332827	-1.739892	19.546488	32.716854
16/07/2076	-64.89384	-57.246994	-42.72446	-23.776808	-2.027625	19.436035	32.68372
16/07/2077	-65.35889	-57.741932	-43.22686	-24.232111	-2.331395	19.315855	32.652954