



**HELIOS** RENEWABLE  
ENERGY  
PROJECT

**PINS Document Number:**  
EN010140/APP/6.3.12.5

**Pursuant to:**  
APFP Regulation 5(2)(a)

**Environmental Statement  
Appendix 12.5:  
Average Annual Precipitation Anomaly**

June 2024

header length 16  
 Area 462500.0 412500.0  
 Baseline 1981-2000  
 Data Source Land probabilistic projections  
 Data Type cdf  
 Scenario RCP 8.5  
 Show Labels TRUE  
 Software Version WPS-2.8.0-DP-2.8.0-CV-1.0.10  
 Spatial Representat 25km grid  
 Temporal Average Annual  
 Time Period annual  
 Time Slice Type 1-year time slices  
 Variable Precipitation rate anomaly (%)  
 Year Maximum 2066  
 Year Minimum 2023

Date	Precipitation	Precipitation	Precipitation	Precipitation	Precipitation	Precipitation	Precipitation rate anomaly (%) (95th Percentile)
01/06/2023	-21.4472	-16.7453	-8.21438	1.328854	10.45379	20.49659	27.57906
01/06/2024	-21.3712	-16.6921	-8.2437	1.294798	10.46	20.56132	27.67119
01/06/2025	-21.3038	-16.6444	-8.27653	1.254883	10.46586	20.61896	27.75296
01/06/2026	-21.2475	-16.6042	-8.3133	1.20918	10.47116	20.66879	27.82355
01/06/2027	-21.2049	-16.5731	-8.35445	1.157783	10.47563	20.71033	27.88236
01/06/2028	-21.1783	-16.5529	-8.40038	1.100821	10.47896	20.74329	27.92903
01/06/2029	-21.1699	-16.5453	-8.45143	1.03847	10.48078	20.76754	27.9634
01/06/2030	-21.1818	-16.5516	-8.50787	0.970963	10.4807	20.78313	27.98552
01/06/2031	-21.2153	-16.573	-8.56985	0.898595	10.47824	20.79019	27.99558
01/06/2032	-21.2719	-16.6106	-8.63746	0.821722	10.47295	20.78894	27.99387
01/06/2033	-21.3521	-16.665	-8.71068	0.74076	10.46433	20.77963	27.98079
01/06/2034	-21.4562	-16.7366	-8.78942	0.656177	10.45191	20.76257	27.95679
01/06/2035	-21.5842	-16.8257	-8.87354	0.568478	10.43524	20.73803	27.92232
01/06/2036	-21.7353	-16.9322	-8.96287	0.478191	10.41393	20.70632	27.87789
01/06/2037	-21.9086	-17.0557	-9.05725	0.385851	10.38765	20.66773	27.82401
01/06/2038	-22.1026	-17.1956	-9.15652	0.291986	10.35618	20.62258	27.76119
01/06/2039	-22.3155	-17.3513	-9.26056	0.197098	10.31939	20.57125	27.69001
01/06/2040	-22.5452	-17.5217	-9.36928	0.101659	10.27732	20.51418	27.6111
01/06/2041	-22.7895	-17.7057	-9.48262	0.006102	10.23014	20.4519	27.52517
01/06/2042	-23.0458	-17.902	-9.60056	-0.08918	10.17818	20.3851	27.43306
01/06/2043	-23.3114	-18.1091	-9.72308	-0.18381	10.12196	20.31459	27.33575
01/06/2044	-23.5837	-18.3255	-9.85014	-0.27747	10.06213	20.24138	27.23437
01/06/2045	-23.8598	-18.5495	-9.98166	-0.3698	9.999538	20.16664	27.13024
01/06/2046	-24.137	-18.7794	-10.1175	-0.46048	9.93516	20.09171	27.02482
01/06/2047	-24.4126	-19.0131	-10.2573	-0.54914	9.870096	20.01807	26.91972
01/06/2048	-24.684	-19.2489	-10.4007	-0.63538	9.805545	19.9473	26.81668
01/06/2049	-24.9488	-19.4848	-10.5471	-0.71877	9.742765	19.88104	26.71747
01/06/2050	-25.2047	-19.7188	-10.6957	-0.7988	9.683044	19.82094	26.6239
01/06/2051	-25.4498	-19.9488	-10.8457	-0.87494	9.627647	19.76857	26.53772
01/06/2052	-25.6821	-20.173	-10.9959	-0.9466	9.577795	19.7254	26.4606
01/06/2053	-25.9	-20.3894	-11.1451	-1.01317	9.534604	19.69272	26.39404
01/06/2054	-26.1023	-20.5963	-11.292	-1.07405	9.499063	19.6716	26.33934
01/06/2055	-26.2877	-20.792	-11.435	-1.12865	9.471995	19.66283	26.29759
01/06/2056	-26.4555	-20.975	-11.5727	-1.17644	9.454035	19.66694	26.26958
01/06/2057	-26.605	-21.1439	-11.7037	-1.21696	9.445606	19.68415	26.25587
01/06/2058	-26.7359	-21.2976	-11.8266	-1.24987	9.446921	19.7144	26.25672
01/06/2059	-26.848	-21.4352	-11.9402	-1.27496	9.457972	19.75733	26.27216
01/06/2060	-26.9414	-21.556	-12.0433	-1.29217	9.478543	19.81235	26.30197
01/06/2061	-27.0163	-21.6594	-12.135	-1.30157	9.508224	19.87862	26.34572
01/06/2062	-27.0732	-21.7454	-12.2146	-1.30343	9.546424	19.95515	26.40278
01/06/2063	-27.1129	-21.814	-12.2817	-1.29816	9.592394	20.04078	26.47237
01/06/2064	-27.1361	-21.8655	-12.3362	-1.28633	9.645247	20.13422	26.55355
01/06/2065	-27.144	-21.9006	-12.378	-1.26866	9.703981	20.23412	26.64529