

COOLING DEGREE DAYS Cooling Degree Day (CDD) units are used by utility companies and institutions for determining energy consumption. The cooling season is January 1st to December 31st.

How are Cooling Degree Days calculated? Calculate day's mean temperature (*maximum and minimum added, then divide by 2*), then subtract from 65 (*baseline*). All negative values are recorded as a zero.

Example: Max Temp: 94 Mean Temp = $(94 + 63) \div 2 = 78.5$
 Min Temp: 63 CDD for the day = $78.5 - 65 = 14$ (rounded)

Season	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	Δ norm ¹
1887	0	0	0	0	20	0	0	0	4	0	0	0	24	22
1888	0	0	0	M	M	M	M	2	13	0	0	0	M	--
1889	0	0	0	0	6	26	20	1	15	0	0	0	68	66
1890	0	0	0	0	2	0	1	7	0	0	0	0	10	8
1891	0	0	0	0	0	0	23	44	9	0	0	0	76	74
1892	0	0	0	0	2	10	0	2	1	0	0	0	15	13
1893	0	0	0	0	0	10	2	9	1	0	0	0	22	20
1894	0	0	0	0	4	1	0	58	8	0	0	0	71	69
1895	0	0	0	0	6	5	38	18	1	1	0	0	69	67
1896	0	0	0	0	0	11	28	23	13	0	0	0	75	73
1897	0	0	0	1	6	4	1	23	5	1	0	0	41	39
1898	0	0	0	0	3	20	7	15	11	0	0	0	56	54
1899	0	0	0	0	0	0	11	2	14	7	0	0	34	32
1900	0	0	0	0	0	0	2	0	6	0	0	0	8	6
1901	0	0	0	0	0	0	0	15	3	0	0	0	18	16
1902	0	0	0	0	0	5	6	16	13	0	0	0	40	38
1903	0	0	0	0	0	31	8	7	3	0	0	0	49	47
1904	0	0	0	2	0	0	18	0	0	0	0	0	20	18
1905	0	0	0	0	0	0	17	8	6	0	0	0	31	29
1906	0	0	0	0	0	6	66	4	0	0	0	0	76	74
1907	0	0	0	0	1	0	1	1	18	6	0	0	27	25
1908	0	0	0	1	0	16	93	20	9	0	0	0	139	137
1909	0	0	0	0	0	0	0	17	M	0	M	M	17	15
1910	0	0	0	0	0	0	9	0	2	0	0	0	11	9
1911	0	0	0	0	0	0	27	26	0	0	0	0	53	51
1912	0	0	0	0	19	13	15	15	25	0	0	0	87	85
1913	0	0	0	0	0	1	26	21	4	0	0	0	52	50
1914	0	0	0	0	9	3	5	1	3	0	0	0	21	19
1915	0	0	0	0	0	10	11	34	2	0	0	0	57	55
1916	0	0	0	0	0	3	9	33	10	0	0	0	55	53
1917	0	0	0	0	0	0	7	21	6	8	0	M	42	40
1918	0	0	0	0	0	9	9	32	28	0	0	0	78	76
1919	0	0	0	0	0	14	32	16	29	0	0	0	91	89
1920	0	0	0	0	0	0	7	23	8	0	0	0	38	36
1921	0	0	0	0	0	0	0	3	0	1	0	0	4	2
1922	0	0	0	0	5	0	18	6	26	0	0	0	55	53
1923	M	0	0	0	0	4	1	20	13	2	0	0	40	38
1924	0	0	0	0	0	7	9	0	6	0	0	0	22	20
1925	0	0	0	0	3	20	0	12	1	0	0	0	36	34
1926	0	0	2	2	0	14	6	0	0	0	0	0	24	22
1927	0	0	0	0	0	0	0	21	5	0	0	0	26	24
1928	0	0	0	0	2	0	23	0	7	0	0	0	32	30
1929	0	0	0	0	0	0	24	14	19	2	0	0	59	57
1930	0	0	0	0	0	2	0	13	7	0	0	0	22	20
1931	0	0	0	0	11	2	28	28	13	0	0	0	82	80
1932	0	0	0	0	4	1	0	24	13	8	0	0	50	48

ASTORIA: Cooling Degree Days

Season	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	Δ norm
1933	0	0	0	0	0	0	10	30	0	0	0	0	40	38
1934	0	0	0	0	8	0	1	7	11	0	0	0	27	25
1935	0	0	0	0	0	12	26	33	6	0	0	0	77	75
1936	0	0	0	0	0	3	0	37	1	5	0	0	46	44
1937	0	0	0	0	0	8	0	5	11	2	0	0	26	24
1938	0	0	0	0	0	1	12	0	4	0	0	0	17	15
1939	0	0	0	0	5	0	14	46	27	0	0	0	92	90
1940	0	0	0	0	1	9	2	36	19	0	0	0	67	65
1941	0	0	0	0	10	2	34	2	0	0	0	0	48	46
1942	0	0	0	0	1	24	47	42	1	2	0	0	117	115
1943	0	0	0	0	0	M	M	M	M	M	0	0	M	-
1944	0	0	0	0	3	0	4	5	5	0	0	0	17	15
1945	0	0	0	0	0	0	4	0	1	2	0	0	7	5
1946	0	0	0	0	0	0	23	8	3	0	0	0	34	32
1947	0	0	0	3	5	0	0	0	13	0	0	0	21	19
1948	0	0	0	0	0	4	0	0	25	0	0	0	29	27
1949	0	0	0	0	0	0	1	0	3	0	0	0	4	2
1950	0	0	0	0	0	4	0	10	7	0	0	0	21	19
1951	0	0	0	1	0	8	15	1	5	3	0	0	33	31
1952	0	0	0	0	4	0	11	3	18	4	0	0	40	38
1953	0	0	0	0	1	0	1	4	11	0	0	0	17	15
1954	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	0	0	0	0	0	9	0	0	9	0	0	0	18	18
1956	0	0	0	0	0	0	18	0	1	0	0	0	19	19
1957	0	0	0	0	0	0	0	0	17	0	0	0	17	17
1958	0	0	0	0	0	11	20	4	14	0	0	0	49	49
1959	0	0	0	0	1	0	10	0	0	0	0	0	11	11
1960	0	0	0	0	0	0	1	0	8	0	0	0	9	9
1961	0	0	0	0	0	2	17	3	3	0	0	0	25	25
1962	0	0	0	0	0	0	0	0	5	0	0	0	5	5
1963	0	0	0	0	1	0	0	0	10	0	0	0	11	11
1964	0	0	0	0	0	0	0	6	0	3	0	0	9	9
1965	0	0	0	0	0	0	3	2	2	0	0	0	7	7
1966	0	0	0	0	0	7	0	4	3	0	0	0	14	14
1967	0	0	0	0	0	0	2	10	8	0	0	0	20	20
1968	0	0	0	0	0	0	5	6	10	0	0	0	21	21
1969	0	0	0	0	1	4	0	0	0	0	0	0	5	5
1970	0	0	0	0	0	7	0	0	1	0	0	0	8	8
1971	0	0	0	0	0	2	0	11	4	2	0	0	19	19
1972	0	0	0	0	0	1	19	23	16	0	0	0	59	59
1973	0	0	0	0	0	0	6	0	7	0	0	0	13	13
1974	0	0	0	0	0	0	5	11	13	0	0	0	29	15
1975	0	0	0	0	1	0	5	0	17	0	0	0	23	9
1976	0	0	0	0	0	3	4	8	8	1	0	0	24	10
1977	0	0	0	0	0	0	0	18	0	0	0	0	18	4
1978	0	0	0	0	0	0	6	8	0	0	0	0	14	0
1979	0	0	0	0	0	0	15	0	11	1	0	0	27	13
1980	0	0	0	0	0	0	13	0	7	8	0	0	28	14
1981	0	0	0	0	0	0	4	36	2	0	0	0	42	28
1982	0	0	0	0	0	6	0	4	1	1	0	0	12	-2
1983	0	0	0	0	0	0	0	4	1	0	0	0	5	-9
1984	0	0	0	0	0	0	3	1	5	0	0	0	9	-5

ASTORIA: Cooling Degree Days

Season	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	Δ norm
1985	0	0	0	0	3	11	1	6	0	0	0	0	21	7
1986	0	0	0	0	2	0	0	5	0	0	0	0	7	-7
1987	0	0	0	0	2	5	0	5	5	3	0	0	20	6
1988	0	0	0	0	0	0	10	3	6	0	0	0	19	5
1989	0	0	0	1	0	15	0	1	17	0	0	0	34	20
1990	0	0	0	0	0	5	5	12	10	0	0	0	32	18
1991	0	0	0	0	0	0	7	0	24	1	0	0	32	18
1992	0	0	0	0	0	6	1	18	1	0	0	0	26	12
1993	0	0	0	0	2	0	0	16	2	0	0	0	20	12
1994	0	0	0	0	0	0	4	1	9	0	0	0	14	6
1995	0	0	0	0	0	16	8	0	13	0	0	0	37	29
1996	0	0	0	0	0	1	8	0	0	3	0	0	12	4
1997	0	0	0	0	5	0	0	18	13	0	0	0	36	28
1998	0	0	0	0	0	0	2	3	0	0	0	0	5	-3
1999	0	0	0	3	3	0	0	2	12	0	0	0	20	12
2000	0	0	0	0	0	7	11	1	6	0	0	0	25	17
2001	0	0	0	0	1	0	0	5	0	0	0	0	6	-2
2002	0	0	0	0	0	1	9	13	1	0	0	0	24	16
2003	0	0	0	0	1	8	9	2	3	0	0	0	23	1
2004	0	0	0	0	0	5	19	13	0	0	0	0	37	15
2005	0	0	0	0	9	0	3	4	0	0	0	0	16	-6
2006	0	0	0	0	6	7	11	0	6	0	0	0	30	8
2007	0	0	0	0	0	0	10	3	10	0	0	0	23	1
2008	0	0	0	0	14	3	0	2	7	0	0	0	26	4
2009	0	0	0	0	0	0	13	3	20	0	0	0	36	14
2010	0	0	0	0	0	0	8	17	2	0	0	0	27	5
2011	0	0	0	0	0	1	0	3	2	0	0	0	6	-16
2012	0	0	0	0	0	0	0	16	9	0	0	0	25	13
2013	0	0	0	0	1	3	0	2	3	0	0	0	9	-3
2014	0	0	0	3	8	0	8	6	20	0	0	0	45	33
2015	0	0	0	2	0	4	21	16	4	2	0	0	49	37
2016	0	0	0	3	0	6	2	44	7	0	0	0	62	50
2017	0	0	0	0	2	10	4	17	22	0	0	0	55	43
2018	0	0	0	1	0	0	5	8	0	0	0	0	14	2
2019	0	0	0	0	1	7	2	12	1	0	0	0	23	11
2020	0	0	0	0	4	0	1	5	31	0	0	0	41	29
2021	0	0	0	0	0	28	0	9	4	0	0	0	41	19
2022	0	0	0	0	0	12	9	27	5	3	0	0	56	34
2023	0	0	0	1	13	0	1	46	4	5	0	0	70	58
2024	0													
2025														
2026														
2027														
normal	0	0	0	<1	2	2	5	7	6	<1	0	0	22	

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	SEASON
EXTREMES: Least Monthly/Seasonal CDD and year of occurrence												
0	0	0	0	0	0	0	0	0	0	0	0	0
2024+	2023+	2023+	2022+	2022+	2023+	2021+	2006+	2018+	2021+	2023+	2023+	1954
EXTREMES: Most Monthly and Seasonal CDD and year of occurrence												
0	0	2	3	20	28	93	58	31	8	0	0	139
2024+	2023+	1926	2016+	1887	2021	1908	1894	2020	1980+	2023+	2023+	1908