

Attachment 6: Summary of Temperature Data for Bylaw Date Range Amendments

Table 1: Average Monthly Temperatures in May 2000 – 2023

Year	Average Maximum	Average Minimum	Average Mean	Average Range
2000	19.3	11	15.1	11.7
2001	19.5	10.9	15.2	11.9
2002	16.7	7.6	12.2	10.65
2003	16.6	9	12.9	10.25
2004	18.2	9	13.6	11.4
2005	16.7	8.4	12.6	10.45
2006	19.6	10.5	15.1	12.1
2007	19.9	10.3	15.1	12.35
2008	17.2	8.2	12.7	10.85
2009	18.7	9.4	14.1	11.7
2010	21.7	12.5	17.2	13.2
2011	18.2	10.8	14.5	10.95
2012	21.7	12.4	17.1	13.2
2013	20.5	10.6	15.6	12.75
2014	18.9	10.3	14.6	11.6
2015	21.4	11.1	16.2	13.25
2016	20.4	10.6	15.5	12.65
2017	16.2	8.9	12.2	9.75
2018	22.1	11.8	17	13.65
2019	16.5	8.3	12.4	10.3
2020	17.1	8.5	12.8	10.7
2021	19.5	9.3	14.4	12.3
2022	20.6	11.7	16.1	12.5
2023	19.2	9.4	14.3	12.05
Total	19.0	10.0	14.5	11.8

Table 2: Average Temperatures between May 16 – 31 (2000 – 2023)

Year	Average Maximum	Average Minimum	Average Mean	Average Range
2000	17.5	9.9	13.8	10.7
2001	18	10.6	14.3	10.85
2002	18.3	8.6	13.5	11.6
2003	17.7	10	13.9	10.8
2004	18.1	9.7	13.9	11.15
2005	18.5	10	14.3	11.4
2006	20.7	11.5	16.1	12.65
2007	20.4	10.3	15.4	12.75
2008	18.8	8.3	13.6	12.05
2009	19.6	10.6	15.3	12.15
2010	25.2	15.7	20.5	15
2011	20.3	12.3	16.3	12.15
2012	24.2	14.4	19.3	14.55
2013	21.7	11.05	16.4	13.525
2014	20.5	11.4	16	12.55
2015	22.3	11.2	16.8	13.95
2016	24.6	13.6	19.1	15.05
2017	19.7	11.9	15.4	11.6
2018	24.1	13.8	19	14.65
2019	19.1	10.2	14.7	11.8
2020	21.9	13.1	17.5	13.15
2021	23.6	12.4	18	14.6
2022	22.1	12.4	17.2	13.45
2023	20.7	10	15.3	13
Total	20.7	11.4	16.1	12.7

Table 3: Number of Heating Degree Days and Cooling Degree Days in May (2000 – 2023)

Year	Cooling	Heating
2000	7	24
2001	6	25
2002	4	27
2003	1	30
2004	5	26
2005	2	29
2006	5	26
2007	8	23
2008	2	29
2009	4	27
2010	17	14
2011	8	23
2012	14	17
2013	10	21
2014	5	26
2015	11	20
2016	11	20
2017	5	26
2018	11	20
2019	2	29
2020	7	24
2021	8	23
2022	12	19
2023	7	24
Average	7.2	23.8

Table 4: Number of Heating Degree Days and Cooling Degree Days in May 16 – 31 (2000 – 2023)

Year	Cooling	Heating
2000	2	14
2001	0	16
2002	5	11
2003	1	15
2004	0	16
2005	2	14
2006	5	11
2007	4	12
2008	2	14
2009	4	12
2010	13	3
2011	7	9
2012	11	5
2013	6	10
2014	5	11
2015	9	7
2016	11	5
2017	5	11
2018	10	6
2019	2	14
2020	7	9
2021	8	8
2022	7	9
2023	4	12
Average	5.4	10.6

Table 5: Average Monthly Temperatures in September (2000 – 2023)

Year	Average Maximum	Average Minimum	Average Mean	Average Range
2000	20.8	13	16.9	12.35
2001	21.8	13.4	17.6	13
2002	25.5	16.2	20.8	15.05
2003	21.9	13.8	17.8	12.95
2004	23.4	14.4	18.9	13.95
2005	24.3	15	19.7	14.5
2006	19.7	12.8	16.3	11.6
2007	23.2	14.12	18.7	13.89
2008	21.6	14	17.8	12.7
2009	21.8	14	17.9	12.85
2010	20.9	13.07	17	12.415
2011	22.2	14.8	18.5	12.95
2012	21.61	12.8	17.2	13.005
2013	20.7	12.3	16.5	12.45
2014	21.6	12.7	17.2	13.05
2015	24.3	15.7	20	14.3
2016	24.2	15.4	19.8	14.3
2017	23.8	14.6	19.2	14.2
2018	23.2	15.6	19.4	13.5
2019	22	14	18	13
2020	21.6	13.2	17.4	12.9
2021	22.8	14	18.4	13.6
2022	22.2	14.2	18.2	13.1
2023	23.4	15.2	19.3	13.75
Total	22.4	14.1	18.3	13.3

Table 6: Average Temperatures between September 16 – 30 (2000 – 2023)

Year	Average Maximum	Average Minimum	Average Mean	Average Range
2000	18.5	9.7	14.1	11.45
2001	19.4	12	15.8	11.6
2002	23	14.8	18.9	13.55
2003	19.7	11.7	15.8	11.9
2004	22.5	12.3	17.4	13.8
2005	22.6	13.7	18.2	13.55
2006	19.2	11.2	15.2	11.6
2007	22.8	13.3	18.1	13.8
2008	20	12.8	16.5	11.85
2009	19.7	12.6	16.2	11.65
2010	19.7	11.8	15.8	11.85
2011	20.6	13.8	17.2	12
2012	18.5	9.9	14.2	11.4
2013	19	10.8	15	11.6
2014	20.9	11.3	16.1	12.85
2015	22.4	14.1	18.3	13.3
2016	22.05	14.3	18.1	12.925
2017	26	16.8	21.4	15.3
2018	21.5	13.5	17.5	12.75
2019	22.4	14	18.2	13.3
2020	21.1	12.2	16.6	12.75
2021	21.4	13.2	17.3	12.75
2022	20.3	12.4	16.4	12.15
2023	21.6	14	17.8	12.7
Total	21.0	12.8	16.9	12.6

Table 7: Number of Heating Degree Days and Cooling Degree Days in September (2000 – 2023)

Year	Cooling	Heating
2000	11	19
2001	13	17
2002	22	8
2003	18	12
2004	22	8
2005	22	8
2006	9	21
2007	17	13
2008	13	17
2009	18	12
2010	8	22
2011	16	14
2012	11	19
2013	8	22
2014	10	20
2015	20	10
2016	21	9
2017	17	13
2018	16	14
2019	13	17
2020	13	17
2021	17	13
2022	17	13
2023	18	12
Average	15.4	14.6

Table 8: Number of Heating Degree Days and Cooling Degree Days between September 16 - 30 (2000 – 2023)

Year	Cooling	Heating
2000	2	13
2001	4	11
2002	8	7
2003	4	11
2004	7	8
2005	8	7
2006	4	11
2007	8	7
2008	5	10
2009	5	10
2010	3	12
2011	6	9
2012	1	14
2013	1	14
2014	3	12
2015	8	7
2016	8	7
2017	12	3
2018	6	9
2019	8	7
2020	7	8
2021	6	9
2022	5	10
2023	7	8
Average	5.7	9.3