

		Current ordinance	Administration proposal			Cambridge			City councilors' proposal			ANNUAL benefits example (Northern red oak) Arbor Day Foundation National Tree Benefit Calculator https://www.arborday.org/calculator/index.cfm For multistep calculation of the cost of lost benefits, see the last Answer in the FAQs on the Councilors' Proposal			
		\$200 x DBH	\$200 x Category Factor x DBH			\$850 x Category Factor x DBH			Mitigation Payment = Base Value (TBD) x cross sectional area = Base Value x .785 x DBH squared			CO2 reduction (Lbs)	Stormwater intercepted (gallons)	Energy (kW/h)	Cost of Lost Benefits until Replacement Tree Matures
Size (DBH)	Payment in Lieu	Category	Factor	Payment in Lieu	Category	Factor	Payment in Lieu	If Base Value=\$13	If Base Value=\$25	If Base Value=\$50					
(Replacement tree size & planting credit)	2	\$400		\$400				\$41	\$79	\$157	26	106	5	\$2,618	
	3	\$600		\$600				\$92	\$177	\$353	54	221	11	\$3,184	
	4	\$800		\$800				\$163	\$314	\$628	82	335	17	\$3,750	
	5	\$1,000		\$1,000				\$255	\$491	\$981	116	461	24	\$4,387	
	6	\$1,200	Protected	1	\$1,200	Significant	1	\$5,100	\$367	\$707	\$1,413	157	597	33	\$5,095
	8	\$1,600	Protected	1	\$1,600	Significant	1	\$6,800	\$653	\$1,256	\$2,512	239	869	51	\$6,581
	10	\$2,000	Protected	1	\$2,000	Significant	1	\$8,500	\$1,021	\$1,963	\$3,925	333	1,164	70	\$7,996
	12	\$2,400	Protected	1	\$2,400	Significant	1	\$10,200	\$1,470	\$2,826	\$5,652	439	1,482	93	\$9,411
	14	\$2,800	Protected	1	\$2,800	Significant	1	\$11,900	\$2,000	\$3,847	\$7,693	544	1,799	115	\$10,826
	16	\$3,200	Protected	1	\$3,200	Significant	1	\$13,600	\$2,612	\$5,024	\$10,048	634	2,135	131	\$12,100
	17	\$3,400	Protected	1	\$3,400	Significant	1	\$14,450	\$2,949	\$5,672	\$11,343	671	2,312	136	\$12,595
	18	\$3,600	Protected	1	\$3,600	Significant	1	\$15,300	\$3,306	\$6,359	\$12,717	709	2,490	140	\$13,161
	20	\$4,000	Protected	1	\$4,000	Significant	1	\$17,000	\$4,082	\$7,850	\$15,700	784	2,844	150	\$14,294
	22	\$4,400	Protected	1	\$4,400	Significant	1	\$18,700	\$4,939	\$9,499	\$18,997	869	3,214	162	\$15,355
	24	\$4,800	Protected	1	\$4,800	Significant	1	\$20,400	\$5,878	\$11,304	\$22,608	963	3,599	175	\$16,417
	25	\$5,000	Significant	1.5	\$7,500	Significant	1	\$21,250	\$6,378	\$12,266	\$24,531	1,010	3,791	182	\$16,983
	27	\$5,400	Significant	1.5	\$8,100	Significant	1	\$22,950	\$7,439	\$14,307	\$28,613	1,104	4,176	196	\$18,040
	29	\$5,800	Significant	1.5	\$8,700	Significant	1	\$24,650	\$8,582	\$16,505	\$33,009	1,200	4,587	208	\$18,964
	30	\$6,000	Significant	1.5	\$9,000	Exceptional	1.5	\$38,250	\$9,185	\$17,663	\$35,325	1,249	4,793	215	\$19,459
	31	\$6,200	Significant	1.5	\$9,300	Exceptional	1.5	\$39,525	\$9,807	\$18,860	\$37,719	1,297	4,999	221	\$19,955
	33	\$6,600	Significant	1.5	\$9,900	Exceptional	1.5	\$42,075	\$11,113	\$21,372	\$42,743	1,393	5,410	233	\$20,874
	35	\$7,000	Significant	1.5	\$10,500	Exceptional	1.5	\$44,625	\$12,501	\$24,041	\$48,081	1,489	5,847	244	\$21,794
	37	\$7,400	Significant	1.5	\$11,100	Exceptional	1.5	\$47,175	\$13,971	\$26,867	\$53,733	1,586	6,285	255	\$22,643
	39	\$7,800	Significant	1.5	\$11,700	Exceptional	1.5	\$49,725	\$15,522	\$29,850	\$59,699	1,682	6,723	266	\$23,563
	40	\$8,000	Landmark	2	\$16,000	Exceptional	1.5	\$51,000	\$16,328	\$31,400	\$62,800	1,731	6,953	271	\$23,988
	42	\$8,400	Landmark	2	\$16,800	Exceptional	1.5	\$53,550	\$18,002	\$34,619	\$69,237	1,830	7,415	281	\$24,837
	44	\$8,800	Landmark	2	\$17,600	Exceptional	1.5	\$56,100	\$19,757	\$37,994	\$75,988	1,929	7,876	291	\$25,615
	45	\$9,000	Landmark	2	\$18,000	Exceptional	1.5	\$57,375	\$20,665	\$39,741	\$79,481	1,977	8,105	296	\$26,040
	46	\$9,200	Landmark	2	\$18,400	Exceptional	1.5	\$58,650	\$21,594	\$41,527	\$83,053				
	48	\$9,600	Landmark	2	\$19,200	Exceptional	1.5	\$61,200	\$23,512	\$45,216	\$90,432				
	50	\$10,000	Landmark	2	\$20,000	Exceptional	1.5	\$63,750	\$25,513	\$49,063	\$98,125				
	52	\$10,400	Landmark	2	\$20,800	Exceptional	1.5	\$66,300	\$27,594	\$53,066	\$106,132				
	54	\$10,800	Landmark	2	\$21,600	Exceptional	1.5	\$68,850	\$29,758	\$57,227	\$114,453				
	55	\$11,000	Legacy	3	\$33,000	Exceptional	1.5	\$70,125	\$30,870	\$59,366	\$118,731				
	57	\$11,400	Legacy	3	\$34,200	Exceptional	1.5	\$72,675	\$33,156	\$63,762	\$127,523				
	59	\$11,800	Legacy	3	\$35,400	Exceptional	1.5	\$75,225	\$35,524	\$68,315	\$136,629				
	61	\$12,200	Legacy	3	\$36,600	Exceptional	1.5	\$77,775	\$37,973	\$73,025	\$146,049				
	63	\$12,600	Legacy	3	\$37,800	Exceptional	1.5	\$80,325	\$40,504	\$77,892	\$155,783				
	65	\$13,000	Legacy	3	\$39,000	Exceptional	1.5	\$82,875	\$43,116	\$82,916	\$165,831				

The Arbor Day Foundation's National Tree Benefit Calculator only provides information for trees up to 45 DBH