

Total Annual Benefits of Public Trees by Species (\$)

12/21/201

Species	Energy	CO ₂	Air Quality	Stormwater	Aesthetic/Other	Total (\$)	Standard Error	% of Total \$
PEM OTHER	0	13	833	4,853	2,795	8,493	(N/A)	1.9
Eastern white pine	19,613	353	3,767	5,660	9,528	38,920	(N/A)	8.7
Red maple	16,782	316	2,858	4,101	17,323	41,380	(N/A)	9.3
Star magnolia	9,184	209	1,437	1,279	4,628	16,738	(N/A)	3.8
Northern white cedar	6,925	199	1,615	1,380	7,064	17,184	(N/A)	3.9
Blue spruce	8,084	154	1,546	2,289	4,478	16,552	(N/A)	3.7
Northern red oak	17,454	470	3,219	4,736	10,373	36,252	(N/A)	8.1
Honeylocust	9,220	176	1,575	1,840	10,179	22,991	(N/A)	5.2
Sugar maple	8,255	198	1,400	2,238	7,707	19,798	(N/A)	4.4
Holly	556	10	105	90	246	1,007	(N/A)	0.2
Green ash	6,109	114	1,047	1,203	5,297	13,769	(N/A)	3.1
River birch	4,284	71	579	562	6,784	12,280	(N/A)	2.8
Black tupelo	1,029	22	151	254	5,185	6,640	(N/A)	1.5
Japanese black pine	5,237	96	1,014	1,513	2,194	10,054	(N/A)	2.3
Dogwood	2,645	61	416	371	1,295	4,788	(N/A)	1.1
Spruce	4,818	85	936	1,424	1,951	9,214	(N/A)	2.1
Pin oak	5,608	184	1,073	1,638	6,120	14,623	(N/A)	3.3
Scarlet oak	1,485	39	238	351	3,123	5,236	(N/A)	1.2
Black oak	2,168	58	390	600	2,576	5,792	(N/A)	1.3
Atlas cedar	2,107	52	557	458	934	4,109	(N/A)	0.9
Norway maple	4,160	139	775	935	4,167	10,175	(N/A)	2.3
Eastern service berry	905	20	139	121	600	1,785	(N/A)	0.4
Japanese tree lilac	890	20	139	125	545	1,719	(N/A)	0.4
Washington hawthorn	1,219	29	193	176	633	2,250	(N/A)	0.5
Black cottonwood	1,943	36	310	371	2,968	5,628	(N/A)	1.3
Cornelian cherry	721	14	111	100	469	1,416	(N/A)	0.3
Southern magnolia	1,254	31	289	356	2,246	4,176	(N/A)	0.9
Northern hackberry	3,044	59	523	641	3,584	7,852	(N/A)	1.8
Jelly palm	560	7	104	101	195	967	(N/A)	0.2
White fir	833	15	148	249	966	2,212	(N/A)	0.5
Green mountain sugar rr	1,359	28	217	283	1,384	3,272	(N/A)	0.7
Eastern red cedar	628	18	157	127	519	1,449	(N/A)	0.3
White ash	2,589	58	491	614	1,885	5,636	(N/A)	1.3
English walnut	1,274	22	174	160	2,129	3,760	(N/A)	0.8
Baldcypress	2,308	46	403	503	2,642	5,901	(N/A)	1.3
European beech	2,588	46	490	694	2,137	5,957	(N/A)	1.3
European white birch	1,064	20	169	242	1,391	2,886	(N/A)	0.6
Live oak	134	3	19	27	866	1,048	(N/A)	0.2
Scarlet maple	279	6	39	69	1,369	1,762	(N/A)	0.4
Japanese maple	1,000	29	176	193	978	2,376	(N/A)	0.5
American sycamore	1,496	32	245	325	1,252	3,349	(N/A)	0.8
Sweetgum	237	4	26	42	702	1,011	(N/A)	0.2
Silver maple	1,692	37	315	479	1,076	3,599	(N/A)	0.8
Eastern redbud	458	10	70	61	276	876	(N/A)	0.2
Kwanzan cherry	766	16	123	116	278	1,298	(N/A)	0.3
Cherry plum	330	6	51	43	208	638	(N/A)	0.1
Tulip tree	1,067	19	169	202	1,299	2,756	(N/A)	0.6

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Gray birch	619	12	96	139	933	1,798	(N/A)	0.4
Hedge maple	217	4	32	29	258	540	(N/A)	0.1
European larch	1,323	27	237	298	1,661	3,546	(N/A)	0.8
Coast redwood	889	16	173	264	343	1,684	(N/A)	0.4
Witch hazel	386	9	61	57	197	711	(N/A)	0.2
Summit green ash	1,404	31	266	331	973	3,004	(N/A)	0.7
Aristocrat callery pear	167	5	32	38	680	922	(N/A)	0.2
Amur corktree	1,291	24	243	350	628	2,536	(N/A)	0.6
Paper birch	1,190	24	206	247	1,412	3,078	(N/A)	0.7
Scotch pine	835	15	162	238	323	1,573	(N/A)	0.4
Cabbage palmetto	0	0	30	161	61	252	(N/A)	0.1
Amur maple	381	11	66	73	403	934	(N/A)	0.2
Eastern hophornbeam	469	9	78	111	692	1,359	(N/A)	0.3
Japanese pagoda tree	341	6	54	79	700	1,181	(N/A)	0.3
Higan cherry	423	10	68	63	184	747	(N/A)	0.2
Swamp white oak	1,169	43	244	394	1,129	2,979	(N/A)	0.7
Black birch	1,019	21	181	221	1,213	2,655	(N/A)	0.6
Dawn redwood	886	18	169	233	1,013	2,319	(N/A)	0.5
Shagbark hickory	804	16	135	156	991	2,102	(N/A)	0.5
White oak	1,006	35	202	312	890	2,445	(N/A)	0.5
Willow	500	8	93	138	364	1,104	(N/A)	0.2
Black cherry	319	6	52	53	77	508	(N/A)	0.1
Callery pear	273	9	52	61	717	1,113	(N/A)	0.2
Yellowwood	374	7	67	98	319	865	(N/A)	0.2
Autumn olive	23	0	4	4	9	40	(N/A)	0.0
Black walnut	689	13	130	182	610	1,625	(N/A)	0.4
Two-wing silverbell	43	1	6	5	59	114	(N/A)	0.0
Crimson king maple	431	12	78	83	388	991	(N/A)	0.2
Northern catalpa	554	11	101	140	295	1,101	(N/A)	0.2
English oak	776	23	153	243	425	1,620	(N/A)	0.4
Sargent cherry	97	2	15	13	64	191	(N/A)	0.0
Pond pine	203	3	39	61	94	400	(N/A)	0.1
Goldenrain tree	103	2	16	14	65	200	(N/A)	0.0
Jack pine	78	2	17	16	106	219	(N/A)	0.0
Kentucky coffeetree	342	7	60	73	431	913	(N/A)	0.2
American beech	466	9	94	143	448	1,160	(N/A)	0.3
Shumard oak	254	6	45	64	186	556	(N/A)	0.1
Downy serviceberry	51	1	8	6	39	105	(N/A)	0.0
Atlantic white cedar	145	3	41	33	55	276	(N/A)	0.1
Horsechestnut	253	11	44	72	301	680	(N/A)	0.2
Staghorn sumac	23	0	3	3	33	63	(N/A)	0.0
Russian olive	121	3	20	21	32	196	(N/A)	0.0
Hardy rubber tree	83	1	11	9	167	270	(N/A)	0.1
Yellow birch	260	6	47	58	304	675	(N/A)	0.2
Bur oak	58	1	9	12	129	208	(N/A)	0.0
Rose-of-sharon	77	2	12	10	37	137	(N/A)	0.0
Douglas fir	188	3	37	55	43	327	(N/A)	0.1
Female ginkgo	133	3	22	21	110	290	(N/A)	0.1

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Manchurian fir	9	0	1	3	69	82	(N/A)	0.0
Common persimmon	85	1	15	21	90	212	(N/A)	0.0
Cockspur hawthorn	52	1	8	7	26	95	(N/A)	0.0
Sawtooth oak	143	5	29	47	145	370	(N/A)	0.1
Boxelder	173	7	34	45	193	452	(N/A)	0.1
White mulberry	117	2	24	35	47	225	(N/A)	0.1
Balsam fir	7	0	1	3	24	35	(N/A)	0.0
European mountain ash	48	2	8	9	20	86	(N/A)	0.0
Magnolia	71	2	18	27	101	219	(N/A)	0.0
Royal paulownia	64	1	11	14	45	135	(N/A)	0.0
Pitch pine	70	1	14	21	19	125	(N/A)	0.0
Amur chokecherry	13	0	2	2	10	26	(N/A)	0.0
Blackjack oak	82	2	15	22	78	199	(N/A)	0.0
Shingle oak	29	1	5	7	50	91	(N/A)	0.0
Citywide Total	189,059	4,171	35,015	49,943	168,049	446,238	(N/A)	100.0