

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	7	825	4,569	1,274	6,675	(N/A)	1.3
Eastern white pine	24,764	433	4,836	7,274	7,820	45,127	(N/A)	8.9
Red maple	21,258	403	3,748	5,273	16,591	47,274	(N/A)	9.3
Star magnolia	11,164	288	1,798	1,693	5,005	19,948	(N/A)	3.9
Northern white cedar	9,653	282	2,303	1,948	7,634	21,822	(N/A)	4.3
Blue spruce	10,745	197	2,098	3,118	3,835	19,993	(N/A)	3.9
Northern red oak	19,500	554	3,713	5,702	11,160	40,630	(N/A)	8.0
Honeylocust	11,385	217	2,039	2,493	9,606	25,740	(N/A)	5.1
Sugar maple	9,946	246	1,726	2,883	8,898	23,700	(N/A)	4.7
Holly	596	11	117	103	239	1,065	(N/A)	0.2
Green ash	8,340	171	1,507	1,763	5,856	17,637	(N/A)	3.5
River birch	4,566	77	653	680	6,895	12,871	(N/A)	2.5
Black tupelo	1,048	22	155	260	5,182	6,669	(N/A)	1.3
Japanese black pine	6,253	107	1,224	1,837	1,627	11,048	(N/A)	2.2
Dogwood	3,319	91	539	511	1,455	5,914	(N/A)	1.2
Spruce	5,262	87	1,029	1,568	1,479	9,425	(N/A)	1.9
Pin oak	6,617	230	1,321	2,050	6,672	16,889	(N/A)	3.3
Scarlet oak	1,685	45	277	398	3,219	5,624	(N/A)	1.1
Black oak	2,312	64	427	677	2,645	6,126	(N/A)	1.2
Norway maple	4,772	173	911	1,167	5,062	12,086	(N/A)	2.4
Eastern service berry	1,120	28	178	161	660	2,146	(N/A)	0.4
Japanese tree lilac	904	16	141	128	490	1,678	(N/A)	0.3
Atlas cedar	2,613	67	704	581	891	4,856	(N/A)	1.0
Black cottonwood	2,238	41	385	487	3,012	6,162	(N/A)	1.2
Washington hawthorn	1,407	36	227	221	616	2,508	(N/A)	0.5
Cornelian cherry	810	17	127	118	475	1,547	(N/A)	0.3
Southern magnolia	1,648	45	404	529	2,487	5,114	(N/A)	1.0
Northern hackberry	3,435	66	628	835	3,635	8,600	(N/A)	1.7
White fir	1,192	23	223	343	947	2,729	(N/A)	0.5
Jelly palm	560	7	104	101	195	967	(N/A)	0.2
Green mountain sugar rr	1,785	40	297	424	1,671	4,218	(N/A)	0.8
Eastern red cedar	698	21	180	145	499	1,542	(N/A)	0.3
English walnut	1,485	28	230	250	2,284	4,277	(N/A)	0.8
Baldcypress	2,638	51	491	668	2,656	6,505	(N/A)	1.3
White ash	3,028	72	596	780	1,904	6,380	(N/A)	1.3
European beech	2,868	54	570	838	2,225	6,554	(N/A)	1.3
European white birch	1,457	28	245	333	1,367	3,431	(N/A)	0.7
Live oak	157	4	24	36	874	1,094	(N/A)	0.2
Scarlet maple	279	6	39	69	1,369	1,762	(N/A)	0.3
Sweetgum	237	4	26	42	702	1,011	(N/A)	0.2
American sycamore	1,777	41	302	441	1,414	3,974	(N/A)	0.8
Japanese maple	1,273	40	233	273	1,273	3,093	(N/A)	0.6
Eastern redbud	552	14	88	79	302	1,034	(N/A)	0.2
Kwanzan cherry	836	19	135	132	300	1,423	(N/A)	0.3
Silver maple	1,965	43	376	588	1,090	4,061	(N/A)	0.8
Cherry plum	344	6	53	46	211	660	(N/A)	0.1
Gray birch	935	18	156	211	915	2,235	(N/A)	0.4

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Tulip tree	1,218	22	205	252	1,336	3,033	(N/A)	0.6
European larch	1,478	30	283	392	1,708	3,890	(N/A)	0.8
Hedge maple	216	4	32	29	251	533	(N/A)	0.1
Witch hazel	462	12	75	73	220	841	(N/A)	0.2
Coast redwood	956	16	187	285	256	1,700	(N/A)	0.3
Summit green ash	1,638	39	320	417	1,034	3,447	(N/A)	0.7
Scotch pine	985	17	193	290	273	1,758	(N/A)	0.3
Paper birch	1,373	28	255	332	1,436	3,424	(N/A)	0.7
Cabbage palmetto	0	0	30	161	41	233	(N/A)	0.0
Amur maple	416	13	74	89	465	1,056	(N/A)	0.2
Higan cherry	457	13	74	73	199	816	(N/A)	0.2
Amur corktree	1,345	25	255	370	525	2,520	(N/A)	0.5
Japanese pagoda tree	458	9	76	105	647	1,296	(N/A)	0.3
Swamp white oak	1,337	51	285	463	1,227	3,363	(N/A)	0.7
Black birch	1,206	25	236	334	1,272	3,072	(N/A)	0.6
Eastern hophornbeam	503	10	86	124	591	1,314	(N/A)	0.3
Dawn redwood	985	21	202	309	953	2,470	(N/A)	0.5
Shagbark hickory	975	20	183	243	1,082	2,504	(N/A)	0.5
White oak	1,119	40	230	364	962	2,716	(N/A)	0.5
Willow	546	10	103	152	311	1,121	(N/A)	0.2
Black walnut	796	16	158	227	686	1,883	(N/A)	0.4
Black cherry	355	7	59	61	68	549	(N/A)	0.1
Yellowwood	418	8	77	112	312	927	(N/A)	0.2
Callery pear	523	18	112	134	1,031	1,817	(N/A)	0.4
Autumn olive	23	0	4	4	9	40	(N/A)	0.0
Northern catalpa	633	11	117	167	252	1,179	(N/A)	0.2
Crimson king maple	532	18	99	118	525	1,293	(N/A)	0.3
Two-wing silverbell	43	1	6	5	59	114	(N/A)	0.0
English oak	815	25	162	262	442	1,706	(N/A)	0.3
Sargent cherry	97	2	15	13	64	191	(N/A)	0.0
Aristocrat callery pear	189	6	38	45	476	754	(N/A)	0.1
Pond pine	224	3	43	68	89	428	(N/A)	0.1
Goldenrain tree	112	3	18	16	69	217	(N/A)	0.0
Kentucky coffeetree	374	7	69	95	439	984	(N/A)	0.2
American beech	506	10	105	165	353	1,138	(N/A)	0.2
Jack pine	169	5	40	34	132	380	(N/A)	0.1
Atlantic white cedar	191	4	52	42	68	357	(N/A)	0.1
Shumard oak	274	7	50	73	195	599	(N/A)	0.1
Staghorn sumac	23	0	3	3	33	63	(N/A)	0.0
Downy serviceberry	51	1	8	6	39	105	(N/A)	0.0
Horsechestnut	273	8	47	76	185	588	(N/A)	0.1
Female ginkgo	201	4	34	40	159	438	(N/A)	0.1
Yellow birch	308	6	62	89	323	788	(N/A)	0.2
Hardy rubber tree	106	2	16	17	186	328	(N/A)	0.1
Manchurian fir	9	0	1	3	69	82	(N/A)	0.0
Russian olive	121	3	20	21	32	196	(N/A)	0.0
Rose-of-sharon	103	3	17	15	45	183	(N/A)	0.0
Bur oak	58	1	9	12	129	208	(N/A)	0.0

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Douglas fir	209	3	41	63	38	354	(N/A)	0.1
Common persimmon	85	1	15	21	90	212	(N/A)	0.0
Cockspur hawthorn	52	1	8	7	26	95	(N/A)	0.0
Boxelder	173	7	34	45	193	452	(N/A)	0.1
Sawtooth oak	143	5	29	47	145	370	(N/A)	0.1
European mountain ash	48	0	8	9	0	65	(N/A)	0.0
Balsam fir	7	0	1	3	24	35	(N/A)	0.0
White mulberry	116	2	23	35	0	175	(N/A)	0.0
Royal paulownia	83	1	15	21	43	163	(N/A)	0.0
Pitch pine	70	1	14	21	0	105	(N/A)	0.0
Magnolia	96	3	27	39	94	259	(N/A)	0.1
Amur chokecherry	13	0	2	2	10	26	(N/A)	0.0
Blackjack oak	107	4	21	32	92	256	(N/A)	0.1
Shingle oak	29	1	5	7	50	91	(N/A)	0.0
Citywide Total	227,858	5,155	43,478	61,954	168,679	507,124	(N/A)	100.0