

Table 30—Benefits for San Francisco County (existing canopy cover 16.1 percent)

Benefit	Commercial				Total	Units
	Residential low	Residential high	/ industrial	Institutional		
				<i>Benefits (engineering units)</i>		
				Open space	Transportation	
Hydrology	88,159	784,065	102,606	539,867	1,361,807	3,058,825 m ³
Property value	259,169	1,728,745	139,318	237,506	2,198,856	4,563,594 m ²
Ozone dep	2,030	18,051	2,020	3,496	28,885	65,242 kg
NOx dep	948	8,436	947	1,636	13,525	30,528 kg
PM ₁₀ dep	1,575	14,012	1,577	2,720	22,489	50,743 kg
SOx dep	192	1,711	192	332	2,745	6,194 kg
NOx avoided	92	357	214	0	0	663 kg
PM ₁₀ avoided	32	137	43	0	0	213 kg
SOx avoided	24	102	0	0	0	126 kg
VOC avoided	7	28	14	0	0	49 kg
BVOC	-1,200	-10,672	-937	-2,535	-20,194	-46,892 kg
Net VOCs	-1,193	-10,644	-923	-2,535	-20,194	-46,843 kg
Net air quality	3,701	32,161	4,070	5,650	47,448	106,865 kg
CO ₂ sequestered	633,863	5,637,443	563,307	1,047,956	8,247,691	18,978,403 kg
CO ₂ decomp	76,031	676,203	80,378	163,399	1,097,553	2,609,172 kg
CO ₂ maint	13,581	120,784	10,459	16,790	161,575	381,670 kg
Net CO ₂ sequestered	544,252	4,840,456	472,471	867,767	6,988,563	15,987,561 kg
CO ₂ avoided	595,701	2,682,151	514,127	0	0	3,791,978 kg
Natural gas	433,598	1,753,938	2,593,561	0	0	4,781,097 kBtu
Electricity	326,141	1,410,975	353,371	0	0	2,090,486 kWh

Table 30, cont.

Benefit	Commercial Benefits (\$)					% of total	
	Residential low	Residential high	/ industrial	Institutional	Open space		
Hydrology	128,090	1,139,204	149,081	264,903	784,398	4,444,309	4.30
Property value	5,580,973	37,226,967	3,000,080	5,114,487	0	98,272,878	95.00
Ozone dep	2,903	25,817	2,888	5,001	15,391	93,310	
NOx dep	1,357	12,065	1,355	2,340	7,202	43,661	
PM ₁₀ dep	695	6,180	695	1,200	3,692	22,382	
SOx dep	748	6,652	748	1,291	3,972	24,083	
NOx avoided	132	510	306	0	0	948	
PM ₁₀ avoided	46	196	62	0	0	305	
SOx avoided	92	397	0	0	0	488	
VOC avoided	3	12	6	0	0	22	
BVOC	-529	-4,707	-413	-1,118	-5,008	-20,684	
Net VOCs	-526	-4,695	-407	-1,118	-5,008	-20,662	
Net air quality	5,446	47,121	5,647	8,714	25,249	164,516	0.20
CO ₂ sequestered	2,117	18,829	1,881	3,500	9,513	63,388	
CO ₂ decomp	254	2,259	268	546	1,722	8,715	
CO ₂ maint	45	403	35	56	195	1,275	
Net CO ₂ sequestered	1,818	16,167	1,578	2,898	7,595	53,398	0.10
CO ₂ avoided	1,990	8,958	1,717	0	0	12,665	0.00
Natural gas	7,487	30,285	44,782	0	0	82,553	0.10
Electricity	69,514	300,735	75,317	0	0	445,566	0.40
Total	5,795,317	38,769,437	3,278,203	5,391,002	817,242	103,475,887	
Percent benefit	5.60	37.50	3.20	5.20	0.80	100.00	
Benefits/tree (\$)	197	148	113	107	5	110	