

**RESOLUTION NO. 1478**

**A RESOLUTION CONFIRMING, APPROVING AND RATIFYING AN EIGHT AND THREE-TENTH PERCENT (8.3%) SYSTEMS DEVELOPMENT CHARGE INFLATIONARY COST IMPACT INCREASE AS MEASURED BY THE ANNUAL CHANGE IN THE PACIFIC NORTHWEST CONSTRUCTION COST INDEX.**

WHEREAS, Ordinance No. 386, Article IV, has established and imposed a Systems Development Charge and determined that inflationary cost impacts shall be measured and calculated annually each March and charged accordingly; and

WHEREAS, inflationary calculations are to be based upon Pacific Northwest Construction cost changes in the Engineering News Record Construction Cost Index as represented by the City of Seattle, Washington; and

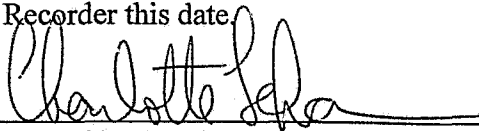
WHEREAS, the March 30, 1998, issue of Engineering News Record (Exhibit "A") reported an increase of eight and three-tenth percent (8.3%) in the annual construction cost index for Seattle, Washington.

NOW, THEREFORE, THE CITY OF WILSONVILLE RESOLVES AS FOLLOWS:

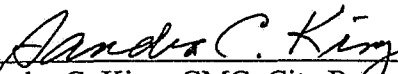
1. That the City Council accepts and ratifies an inflationary construction cost index adjustment of eight and three-tenth percent (8.3%) as presented in Exhibit "A" for all Systems Development Charges, except an additional 3.9% (total 12.2%) shall be added to the Water Systems Development Charges reflecting last years construction cost index which was not adopted last year.

2. The inflationary cost impact shall be assessed against all Systems Development Charges beginning July 1, 1998 except for the street systems development charges for up to 300 employees for Thrifty Payless, Incorporated, which shall remain at \$1,080 per employee as described in the Thrifty Payless, Inc. (Rite Aid) Development Agreement which was signed on May 2, 1994. This property is presently being modified for Hollywood Video; however, the original agreement remains in effect.

ADOPTED by the Wilsonville City Council at a regular meeting thereof this 1st day of June, 1998, and filed with the Wilsonville City Recorder this date.

  
CHARLOTTE LEHAN, Mayor

ATTEST:

  
Sandra C. King, CMC, City Recorder

SUMMARY of votes:

Mayor Lehan	<u>Yes</u>
Councilor Kirk	<u>Yes</u>
Councilor Luper	<u>Yes</u>
Councilor Helser	<u>Yes</u>
Councilor Barton	<u>Yes</u>

# USING ENR'S INDEXES: How It's Done

**R**eaders of ENR direct a steady stream of questions concerning its indexes and how to accurately apply them to various construction projects. To help clarify the nature and uses of the cost indexes, here are answers to the most frequently asked questions and suggestions on how to avoid costly mistakes.

**Q:** What is the difference between ENR's Construction Cost Index and its Building Cost Index?

**A:** The difference is in their labor component. The CCI uses 200 hours of common labor, multiplied by the 20-city average rate for wages and fringe benefits. The BCI uses 68.38 hours of skilled labor, multiplied by the 20-city wage-fringe average for three trades—bricklayers, carpenters and structural ironworkers. For their materials component, both indexes use 25 cwt of fabricated standard structural steel at the 20-city average price, 1,128 tons of bulk portland cement priced locally and 1,088 board-ft of 2 X 4 lumber priced locally.

The ENR indexes measure how much it cost to purchase this hypothetical package of goods and services compared to what it was in the base year.

**Q:** What kinds of construction do the ENR indexes represent?

**A:** They both apply to general construction costs. The CCI can be used where labor costs are a high proportion of total costs. The BCI is more applicable for structures.

**Q:** Where does ENR get its data?

**A:** ENR has price reporters covering 20 U.S. cities and two Canadian cities (Montreal and Toronto) who check prices locally. The prices are quoted from the same suppliers each month. ENR com-

putes its latest indexes from these figures and local union wage rates.

**Q:** Are the material prices averaged?

**A:** No. ENR reporters collect "spot prices" for all of the materials tracked, including those in the index. The reporters survey the same suppliers each month for materials that affect the index. Actual prices within a city may vary depending on the competitiveness of the market and local discounting practices. This method allows for a quick indicator of price movement, which is its primary objective.

**Q:** Do the city indexes have different weightings?

**A:** No. Each city uses the same weight for the labor and materials components as the U.S. average index.

**Q:** Do the indexes measure cost differentials between cities?

**A:** No. This is one of the more common errors in the application of ENR's indexes, which only measure the trend in an individual city and in the U.S. as a

## BUILDING COST INDEX HISTORY (1916-1998)

**HOW ENR BUILDS THE INDEX:** 68.38 hours of skilled labor at the 20-city average for union bricklayers, carpenters and structural ironworkers rates; plus 25 cwt of standard structural steel shapes at the mill price prior to 1996 and the fabricated 20-city price from 1996; plus 1,128 tons of portland cement at the 20-city price; plus 1,088 board-ft of 2 x 4 lumber at the 20-city price.

ANNUAL AVERAGE	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	ANNUAL AVERAGE		
1916	131												1916	131	
1917	167												1917	167	
1918	159												1918	159	
1919	159												1919	159	
1920	207												1920	207	
1921	166												1921	166	
1922	155												1922	155	
1923	186												1923	186	
1924	186												1924	186	
1925	183												1925	183	
1926	185												1926	185	
1927	185												1927	185	
1928	188												1928	188	
1929	191												1929	191	
1930	185												1930	185	
1931	168												1931	168	
1932	131												1932	131	
1933	148												1933	148	
1934	167												1934	167	
1935	166												1935	166	
1936	172												1936	172	
1937	196												1937	196	
1938	197												1938	197	
1939	197												1939	197	
1940	203												1940	203	
1941	211												1941	211	
1942	222												1942	222	
1943	229												1943	229	
1944	235												1944	235	
1945	239												1945	239	
1946	262												1946	262	
1947	313												1947	313	
1948	341												1948	341	
1949	352												1949	352	
1950	375												1950	375	
1951	401												1951	401	
1952	416												1952	416	
1953	431												1953	431	
1954	446												1954	446	
1955	469												1955	469	
1956	491												1956	491	
1957	509												1957	509	
1958	525												1958	525	
1959	548												1959	548	
1960	559												1960	559	
1961	568												1961	568	
1962	580												1962	580	
1963	594												1963	594	
1964	612												1964	612	
1965	627												1965	627	
1966	650												1966	650	
1967	676												1967	676	
1968	721												1968	721	
1969	790												1969	790	
1970	836												1970	836	
1971	948												1971	948	
1972	1048												1972	1048	
1973	1138												1973	1138	
1974	1205												1974	1205	
1975	1306												1975	1306	
1976	1425												1976	1425	
1977	1545												1977	1545	
1978	1674												1978	1674	
1979	1740	1740	1750	1749	1753	1809	1829	1849	1900	1900	1901	1909	1819	1979	1740
1980	1895	1894	1915	1899	1888	1916	1950	1971	1976	1976	2000	2017	1941	1980	1895
1981	2015	2016	2014	2064	2076	2080	2106	2131	2154	2151	2181	2178	2097	1981	2015
1982	2184	2198	2192	2197	2199	2225	2258	2259	2263	2262	2268	2297	2234	1982	2184
1983	2311	2348	2352	2347	2351	2388	2414	2428	2430	2416	2419	2406	2384	1983	2311
1984	2402	2407	2412	2422	2419	2417	2418	2428	2430	2424	2421	2408	2417	1984	2402
1985	2410	2414	2406	2405	2411	2429	2448	2442	2441	2441	2446	2436	2428	1985	2410
1986	2440	2446	2447	2458	2479	2493	2499	2498	2504	2511	2511	2511	2483	1986	2440
1987	2515	2510	2518	2523	2524	2525	2538	2557	2564	2560	2564	2568	2541	1987	2515
1988	2574	2576	2586	2591	2592	2595	2598	2611	2612	2612	2616	2617	2596	1988	2574
1989	2615	2608	2612	2615	2616	2623	2627	2637	2660	2662	2665	2689	2634	1989	2615
1990	2684	2668	2673	2676	2691	2715	2716	2716	2730	2728	2730	2720	2702	1990	2684
1991	2720	2716	2715	2709	2723	2733	2757	2792	2785	2786	2791	2784	2751	1991	2720
1992	2784	2775	2799	2809	2828	2838	2845	2854	2857	2867	2873	2875	2834	1992	2784
1993	2886	2886	2915	2976	3071	3066	3038	3014	3009	3016	3029	3048	2996	1993	2886
1994	3071	3106	3116	3127	3125	3115	3107	3109	3116	3116	3109	3110	3111	1994	3071
1995	3112	3111	3103	3100	3096	3095	3114	3121	3109	3117	3131	3128	3111	1995	3112
1996	3127	3131	3135	3148	3161	3178	3190	3223	3246	3284	3304	3311	3203	1996	3127
1997	3332	3333	3323	3364	3377	3396	3392	3385	3378	3372	3350	3370	3364	1997	3332
1998	3363	3372	3368											1998	3363

Base: 1913=100.

whole. Differentials between cities may reflect differences in labor productivity and building codes. Moreover, quoting bases for lumber and cement vary from one city to another. For example, one city may report list prices while in another city prices for the same material may include discounts.

**Q:** Are indexes seasonally adjusted?

**A:** No. This is an important point for users of the index to keep in mind. Wages, the most important component, usually affect the index once or twice a year. Cement prices tend to be more active in the spring while fabricated structural steel pricing tends to have monthly adjustments. Lumber prices, more dependent on local pricing and production conditions, are the most volatile and can change appreciably from month to month. The study of an index movement for a period of less than 12 months can sometimes miss these important developments. The users of the indexes for individual cities should keep an eye open for the timing and nature of wage settlements. For example, stalled labor negotiations may keep the old wage rate in effect longer than a 12-month period, giving the appearance of a low inflation rate.

**Q:** Are the annual averages weighted?

**A:** No. They are straight mathematical averages.

**Q:** Is it more accurate to use an index that is closest to my home city?

**A:** No. The 20-city average index is generally more appropriate. Because it has more elements, it has a smoother trend. Indexes for individual cities are more susceptible to price spikes.

**Q:** Are the indexes verifiable?

**A:** Yes. All of ENR's indexes are published in the first week of each month on the Construction Economics page of the magazine. Prices for the indexes' materials component are published in the preceding month on the Construction Economics pages. Cement prices are in the first issue of the month, lumber prices in the second and steel in the fourth issue. Wage rates for all 20 cities are published in the Third Quarterly Cost Report and whenever there is a fifth issue in a month. The reader can actually compute ENR's indexes by multiplying the published prices and wages by the appropriate weights, shown in the tables below, and summing the results.

**Q:** Does ENR have cost indexes for cities outside the U.S.?

**A:** ENR publishes indexes for two Canadian cities each month. ENR's Fourth Quarterly Cost Report includes the most comprehensive listing of international costs compiled from various sources.

**Q:** Does ENR forecast its indexes?

**A:** Yes. ENR projects its BCI and CCI for the next 12 months once a year in the Fourth Quarterly Cost Report. To reach its forecast, ENR incorporates the new wage rates called for in multiyear, collective-bargaining agreements and estimates for areas where new contract terms will be negotiated. ENR estimates the materials component by studying consumption forecasts and price trends.

**Q:** Does ENR ever change the weighting of the index components?

**A:** No. The components are always multiplied by the same factors. However, a component's share of an index's total makeup will shift with its relative escalation rate.

**Q:** Has ENR ever changed the makeup of the index components?

**A:** Yes. Only once, in 1996. ENR was forced to switch from the mill price for structural steel shapes to the 20-city average fabricated price when ENR's sources for mill prices left the structural market.

**Q:** Does ENR ever revise the indexes?

**A:** Yes. On some occasions ENR must revise the indexes. Any revision affecting the 20-city average indexes in the latest 14-month period are published in the first issue of each month on the Construction Economics pages of the magazine. In addition, all revisions are published in the tables below. □

By Tim Grogan

## CONSTRUCTION COST INDEX HISTORY (1909-1998)

**HOW ENR BUILDS THE INDEX:** 200 hours of common labor at the 20-city average for union common labor rates; plus 25 cwt of standard structural steel shapes at the mill price prior to 1996 and the fabricated 20-city price from 1996; plus 122 tons of portland cement at the 20-city price; plus 1,000 board-ft of 2 x 4 lumber at the 20-city price.

ANNUAL AVERAGE	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	ANNUAL AVE.						
1909	91	1932	157	1955	660	1978	2672	2681	2693	2698	2733	2753	2821	2829	2851	2851	2861	2869	2776
1910	99	1933	170	1956	692	1979	2872	2877	2886	2886	2889	2984	3052	3071	3120	3122	3131	3140	3003
1911	93	1934	198	1957	724	1980	3132	3134	3159	3143	3139	3198	3260	3304	3319	3327	3355	3376	3237
1912	91	1935	196	1958	759	1981	3372	3373	3384	3450	3471	3496	3548	3616	3657	3660	3697	3695	3535
1913	100	1936	206	1959	797	1982	3704	3728	3721	3731	3734	3815	3899	3899	3902	3901	3917	3950	3825
1914	89	1937	235	1960	824	1983	3960	4001	4006	4001	4003	4073	4108	4132	4142	4127	4133	4110	4066
1915	93	1938	236	1961	847	1984	4109	4113	4118	4132	4142	4161	4166	4169	4176	4161	4158	4144	4146
1916	130	1939	236	1962	872	1985	4145	4153	4151	4150	4171	4201	4220	4230	4229	4228	4231	4228	4195
1917	181	1940	242	1963	901	1986	4218	4230	4231	4242	4275	4303	4332	4334	4335	4344	4342	4351	4295
1918	169	1941	258	1964	936	1987	4354	4352	4350	4363	4360	4387	4404	4443	4468	4459	4453	4476	4406
1919	198	1942	278	1965	971	1988	4470	4473	4484	4489	4493	4525	4532	4542	4535	4555	4567	4568	4519
1920	251	1943	290	1966	1019	1989	4580	4573	4574	4577	4578	4599	4608	4618	4658	4658	4668	4685	4615
1921	202	1944	299	1967	1074	1990	4680	4685	4691	4693	4707	4732	4734	4752	4774	4771	4787	4777	4732
1922	174	1945	306	1968	1155	1991	4777	4773	4772	4766	4801	4818	4854	4892	4891	4892	4896	4889	4835
1923	214	1946	346	1969	1269	1992	4888	4884	4927	4948	4965	4973	4992	5032	5042	5052	5058	5059	4985
1924	215	1947	413	1970	1381	1993	5071	5070	5106	5167	5262	5260	5252	5230	5255	5264	5278	5310	5210
1925	207	1948	481	1971	1581	1994	5336	5371	5381	5405	5405	5408	5409	5424	5437	5437	5439	5436	5408
1926	208	1949	477	1972	1753	1995	5443	5444	5435	5432	5433	5432	5484	5506	5491	5511	5519	5524	5471
1927	208	1950	510	1973	1895	1996	5523	5532	5537	5550	5572	5587	5617	5652	5683	5719	5740	5744	5620
1928	207	1951	543	1974	2020	1997	5765	5769	5759	5799	5837	5860	5863	5854	5851	5848	5838	5858	5826
1929	207	1952	569	1975	2212	1998	5852	5874	5875										
1930	203	1953	600	1976	2401														
1931	181	1954	628	1977	2576														

Base: 1913=100.



% CHG.	CINCINNATI		CLEVELAND		BALLAS		DENVER		DETROIT	
	PRE % CHG.	PRE % CHG.	PRE % CHG.	PRE % CHG.	PRE % CHG.	PRE % CHG.	PRE % CHG.	PRE % CHG.	PRE % CHG.	PRE % CHG.
92 +6.3	1212.46 +8.5	2185.84 +6.9	1224.68 +4.2	2211.21 +4.7	1024.91 +6.1	1571.94 +5.9	1089.02 +4.1	1555.94 +5.5	1250.71 +5.6	2231.04 +6.3
35 +5.6	1325.77 +9.3	2396.81 +9.8	1330.26 +8.6	2393.65 +8.3	1068.08 +4.2	1665.62 +6.0	1173.64 +7.8	1670.11 +7.3	1349.59 +7.9	2395.76 +7.4
66 +6.5	1389.84 +4.8	2566.09 +7.1	1434.36 +7.8	2584.63 +8.0	1184.87 +10.9	1765.90 +6.0	1287.28 +9.7	1866.20 +12.9	1483.87 +8.5	2586.91 +8.0
52 +8.9	1487.13 +7.0	2654.31 +3.4	1562.09 +8.2	2797.12 +8.2	1302.09 +9.9	1679.61 +6.4	1417.51 +10.1	2123.58 +12.6	1599.84 +8.6	2776.57 +7.3
25 +7.5	1651.22 +11.0	2847.29 +7.3	1642.95 +5.9	2901.24 +6.9	1419.83 +9.0	2005.75 +6.7	1674.71 +11.1	2363.04 +10.8	1710.22 +7.9	2996.46 +8.0
18 +6.4	1803.42 +9.2	3068.21 +5.5	1808.85 +10.1	3267.97 +9.3	1555.83 +8.6	2062.95 +3.8	1862.06 +7.5	2564.77 +9.0	1870.33 +9.4	3223.97 +7.5
22 +8.6	1909.82 +8.7	3346.05 +8.4	1962.73 +8.5	3695.50 +9.1	1742.55 +12.0	2427.24 +16.9	1831.81 +8.3	2739.14 +8.6	2042.61 +6.2	3462.04 +8.3
17 +7.1	2089.33 +6.6	3609.98 +7.8	2130.92 +8.3	3990.76 +8.3	1913.38 +9.9	2683.34 +10.6	1890.46 +2.7	2947.14 +7.6	2193.83 +7.4	3798.23 +8.8
45 +7.2	2269.81 +8.6	4045.44 +12.1	2380.63 +11.7	4379.04 +13.4	2093.85 +9.4	2975.25 +10.9	2066.42 +9.9	3200.57 +8.6	2380.38 +8.5	4138.17 +8.9
45 +9.5	2314.19 +2.0	4234.64 +4.7	2466.86 +3.6	4689.64 +6.6	2188.09 +4.5	3192.54 +7.3	2213.70 +7.1	3445.70 +7.7	2457.52 +3.2	4244.91 +2.6
73 +3.1	2432.67 +5.1	4398.60 +3.9	2551.01 +3.4	4847.04 +3.8	2275.59 +4.0	3263.51 +2.2	2440.88 +10.3	3690.22 +7.1	2535.27 +3.2	4375.55 +3.1
75 +2.0	2384.90 -2.0	4437.58 +0.9	2554.48 +0.1	5073.08 +4.7	2188.94 -3.8	2950.40 -9.6	2185.17 +10.5	3106.45 +15.8	2519.77 -0.6	4331.10 -1.0
28 +1.1	2406.80 +0.9	4548.20 +2.5	2689.21 +5.2	4992.32 -1.6	2100.70 -4.0	2997.36 +1.6	2229.40 +2.0	3316.24 +6.8	2549.59 +1.2	4468.09 +3.2
89 +2.8	2428.18 +0.8	4667.26 +0.4	2757.86 +2.6	5061.56 +1.4	2131.57 +1.5	3152.84 +5.2	2365.81 +5.7	3503.37 +5.6	2667.72 +4.8	4674.96 +4.6
53 +4.2	2507.86 +3.4	4647.13 +1.7	2823.67 +2.4	5281.44 +3.8	2123.16 -0.4	2985.85 -5.3	2374.36 +0.8	3506.95 +0.1	2767.90 +3.8	4859.89 +4.0
49 +3.6	2582.86 +3.6	4700.51 +7.3	2836.82 +4.9	5237.37 +4.7	2068.69 -7.9	3184.72 -2.4	2252.48 -5.1	3638.26 +0.8	2867.07 +3.2	5092.67 +4.8
86 +2.3	2688.51 +1.4	4977.51 +3.8	2760.13 -3.7	5161.66 -1.5	2117.91 +2.5	3208.39 +0.7	2277.59 +1.1	3641.78 +2.9	2913.23 +2.0	5171.88 +1.6
80 +0.8	2638.73 +1.9	4933.91 +1.2	2866.93 +4.6	5368.62 +4.0	2061.61 -3.1	3195.21 -0.4	2321.28 +2.6	3668.20 +1.3	2972.84 +2.1	5153.90 -0.3
16 +7.7	2674.15 +1.3	5011.10 +1.6	2903.81 +0.6	5450.25 +1.5	2215.88 +7.3	3336.53 +4.4	2375.26 +2.3	3715.34 +1.3	3046.92 +2.5	5244.65 +1.8
78 +4.8	2817.16 +5.4	5209.18 +4.0	2903.10 0.0	5501.09 +0.9	2278.21 +2.8	3476.69 +4.2	2438.39 +2.7	3833.84 +3.2	3136.74 +3.0	5395.34 +2.9
58 +5.7	2892.78 +2.3	5344.53 +2.6	3088.76 +6.4	5752.29 +4.6	2365.65 +3.8	3570.97 +2.7	2573.90 +5.6	4012.02 +4.7	3373.95 +7.6	5917.92 +9.7
81 +3.6	3001.15 +3.8	5504.43 +3.0	3218.85 +4.2	5922.53 +3.0	2448.62 +3.5	3640.03 +1.9	2608.72 +1.4	4008.74 -0.1	3424.95 +1.5	5979.62 +1.0
93 +2.5	2942.02 -2.0	5450.56 -1.0	3273.15 +1.7	6018.52 +1.6	2433.04 -0.6	3641.12 0.0	2661.49 +2.0	4087.82 +2.0	3459.88 +1.0	6135.27 +2.6
85 +2.4	2942.02 -0.3	5450.56 -0.1	3298.78 +1.6	6014.17 +1.6	2433.04 -3.0	3641.12 -1.6	2666.11 +2.6	4086.44 +2.3	3461.51 +0.9	6136.90 +2.5
85 +2.4	2960.46 -1.7	5490.56 -1.0	3298.83 +1.2	6002.20 +1.4	2462.88 -0.6	3700.96 -0.3	2648.44 +1.8	4074.76 +1.8	3485.99 +2.5	6161.38 +3.8
85 +2.4	2960.46 -0.1	5490.56 -0.1	3267.71 +1.5	6013.08 +1.5	2467.93 +1.5	3678.02 +1.1	2648.44 -0.4	4074.76 +0.4	3480.55 +2.0	6155.94 +3.2
41 +2.9	2960.46 -0.1	5490.56 -0.1	3300.36 +3.1	6046.72 +2.4	2468.36 +0.1	3668.47 +0.2	2704.74 +4.8	4117.40 +3.4	3485.98 +2.0	6161.38 +3.2
41 +3.2	2953.42 +1.8	5450.56 +0.8	3305.79 +3.3	6051.16 +2.5	2474.70 +0.8	3682.79 +0.7	2711.27 +6.1	4123.92 +4.3	3485.99 +2.6	6161.38 +3.5
41 +2.9	2953.42 +1.0	5450.56 +0.4	3365.98 +4.4	6119.00 +3.2	2474.70 +0.3	3682.79 +0.3	2740.65 +6.6	4220.30 +6.3	3506.26 +3.4	6181.65 +4.0
41 +2.6	2953.42 +0.5	5450.56 +0.1	3376.86 +3.8	6129.88 +1.9	2474.70 -0.3	3682.79 -0.1	2819.40 +10.4	4266.00 +6.4	3553.28 +4.2	6337.57 +5.5
21 +6.5	2953.42 +0.5	5450.56 +0.1	3365.98 +3.4	6119.00 +1.9	2474.70 -0.9	3682.79 +0.2	2832.45 +9.4	4279.05 +5.8	3631.29 +6.3	6367.49 +4.0
71 +7.0	2963.92 +0.8	5461.06 +0.3	3381.92 +4.1	6134.94 +2.3	2486.20 +5.3	3693.29 +3.3	2836.42 +10.5	4283.02 +8.4	3666.76 +5.3	6395.59 +4.0
25 +6.8	2962.92 +1.9	5490.08 +0.3	3386.36 +8.5	6136.38 +2.2	2606.66 +7.3	3841.09 +5.4	2921.38 +13.8	4367.98 +7.5	3706.84 +6.9	6448.27 +5.0
75 +8.7	2962.92 +0.7	5490.08 +0.2	3632.24 +7.7	6286.26 +4.3	2606.66 +7.1	3861.09 +6.6	2927.90 +8.6	4374.90 +6.1	3727.80 +6.9	6468.03 +5.6
88 +6.5	2977.85 +1.2	5488.81 +0.7	3486.72 +8.6	6187.08 +2.8	2596.40 +6.7	3870.81 +6.3	2867.49 +8.5	4334.09 +6.0	3688.27 +6.6	6428.70 +4.8
71 +6.6	2977.10 +1.2	5488.06 +0.7	3552.89 +8.7	6284.26 +4.5	2604.66 +7.1	3879.09 +6.5	2890.00 +8.3	4336.60 +5.9	3725.60 +7.6	6468.03 +5.4
43 +6.7	2978.10 +0.9	5489.06 +0.7	3553.89 +9.1	6285.26 +4.7	2714.48 +8.9	3968.89 +7.8	2907.32 +9.8	4353.92 +6.9	3693.96 +6.0	6434.39 +4.4
68 +6.6	2971.35 +0.7	5482.31 +0.6	3579.78 +9.6	6311.15 +5.0	2596.67 +5.2	3871.06 +5.3	2900.57 +9.5	4347.17 +6.7	3696.09 +6.3	6438.52 +4.6
13 +5.7	2992.60 +1.4	5503.56 +1.0	3601.03 +9.1	6332.40 +4.7	2677.76 +8.9	3952.17 +7.8	2921.92 +8.0	4342.31 +5.5	3713.90 +6.5	6454.33 +4.8
23 +6.8	3008.86 +1.8	5611.89 +3.1	3612.26 +8.2	6342.86 +4.8	2680.32 +8.3	3954.73 +7.4	2818.86 +7.8	4337.26 +8.2	3718.38 +8.7	6468.03 +4.8
19 +6.9	3008.86 +1.7	5648.06 +1.7	3627.46 +7.8	6358.86 +3.8	2682.01 +8.2	3903.42 +8.0	2868.03 +7.9	4333.42 +8.1	3747.58 +6.8	6468.03 +5.8
18 +6.8	3041.42 +3.0	5641.81 +1.7	3608.39 +8.8	6366.27 +4.1	2682.81 +7.4	3933.22 +6.8	2863.14 +4.7	4328.33 +3.6	3663.28 +4.2	6337.57 +6.5
88 +1.8	3086.76 +4.6	5671.46 +2.2	3647.21 +7.5	6366.39 +4.0	2690.53 +4.7	3944.84 +5.0	2824.03 +3.2	4368.41 +2.8	3786.41 +4.3	6664.63 +4.5
22 +1.1	3090.50 +4.3	5572.20 +2.0	3610.27 +6.8	6359.44 +3.7	2591.28 +4.3	3865.69 +4.7	2911.72 +2.7	4387.11 +2.4	3776.28 +3.3	6646.50 +3.9
10 +0.2	3091.00 +4.3	5572.70 +2.1	3610.77 +6.6	6359.94 +3.6	2603.86 -0.1	3866.79 +0.7	2858.91 -2.1	4334.30 -0.8	3749.58 +1.2	6679.80 +2.7
22 +1.2	3088.50 +4.2	5570.20 +2.0	3515.79 -0.5	6264.96 -0.3	2595.92 -0.4	3858.25 -0.6	2804.18 -4.2	4279.57 -2.2	3735.11 +0.2	6675.33 +2.1
10 +0.7	3103.51 +4.2	5585.21 +1.8	3515.41 +1.7	6264.58 +1.3	2682.34 +2.5	3935.95 +1.7	2865.25 -0.8	4329.24 -0.1	3749.42 +1.7	6675.54 +3.0
13 -1.7	3108.51 +4.3	5665.21 +1.8	3608.97 -1.2	6288.14 -0.4	2684.10 +3.1	3967.71 +2.0	2865.25 -0.8	4328.24 -0.2	3786.46 +1.2	6638.88 +2.7
88 +1.3	3111.76 +4.5	5683.46 +1.8	3486.88 -1.8	6234.76 -0.8	2688.06 -0.6	3966.96 -0.6	2673.90 -1.2	4337.46 -0.4	3757.67 +1.7	6627.86 +3.8
88 +1.4	3114.26 +4.8	5686.96 +2.1	3428.24 -4.2	6177.41 -2.1	2700.96 +4.0	3968.46 +2.5	2666.24 -1.5	4297.44 -1.1	3743.86 +1.2	6674.87 +2.7





% CHG.	PHILADELPHIA				PITTSBURGH				ST. LOUIS				SAN FRANCISCO				SEATTLE			
	BEI	% CHG.	BEI	% CHG.	BEI	% CHG.	BEI	% CHG.	BEI	% CHG.	BEI	% CHG.	BEI	% CHG.	BEI	% CHG.	BEI	% CHG.		
7 +5.9	1227.37	+7.2	1964.56	+8.2	1226.89	+2.3	1935.96	+5.6	1099.12	+4.5	2130.20	+6.2	1249.77	+5.1	2235.84	+10.6	1044.57	+8.8	1843.94	+9.8
1 +6.6	1308.07	+6.6	2169.42	+10.4	1310.52	+6.8	2060.97	+6.5	1183.22	+7.7	2339.73	+9.8	1389.03	+11.1	2508.50	+12.2	1161.97	+11.2	2097.26	+13.7
3 +7.2	1443.87	+10.4	2378.94	+9.7	1400.63	+6.9	2240.60	+8.7	1295.43	+9.5	2543.45	+8.7	1508.51	+8.6	2807.07	+11.9	1209.87	+4.1	2409.21	+14.9
5 +5.1	1533.32	+6.2	2545.98	+7.0	1533.32	+9.5	2545.98	+13.6	1412.89	+9.1	2759.86	+8.5	1688.84	+12.0	3104.02	+10.6	1434.86	+18.6	2668.00	+10.7
7 +7.1	1607.93	+4.9	2687.29	+5.6	1664.25	+8.5	2682.85	+5.4	1537.18	+8.8	2948.75	+6.8	1768.85	+4.7	3150.78	+1.5	1549.85	+8.0	2865.60	+7.4
3 +7.4	1664.95	+5.4	2839.24	+5.7	1808.87	+8.7	2945.44	+9.8	1656.03	+7.7	3105.71	+5.3	1940.78	+9.7	3412.20	+8.3	1765.16	+13.9	3197.00	+11.6
8 +7.7	1974.85	+16.5	3183.93	+12.1	1975.63	+9.2	3180.57	+8.0	1845.80	+11.5	3344.20	+7.7	2172.96	+12.0	3806.14	+11.5	1695.43	+7.4	3497.64	+9.4
6 +5.4	1963.20	-0.6	3233.59	+1.6	2105.51	+6.6	3363.37	+8.4	1900.51	+3.0	3576.40	+7.0	2395.21	+10.2	4371.96	+14.9	2073.29	+9.4	3809.16	+11.8
8 +9.3	2136.57	+8.8	3603.48	+11.4	2213.09	+5.1	3653.46	+8.0	1994.86	+5.0	3834.64	+7.2	2558.49	+6.8	4592.45	+5.0	2201.32	+6.2	4230.36	+8.2
3 +10.4	2266.96	+6.1	3858.50	+7.1	2332.66	+5.4	3894.97	+6.6	2101.16	+5.3	4107.49	+7.1	2799.96	+9.4	4993.30	+6.7	2308.50	+4.8	4490.38	+6.2
5 +7.3	2439.90	+7.6	4175.74	+8.2	2473.68	+6.0	4077.51	+4.7	2233.44	+6.3	4325.69	+5.3	2826.13	+0.9	5122.74	+2.6	2335.79	+1.3	4559.55	+1.5
5 +5.6	2492.34	+2.1	4437.81	+6.3	2551.44	+3.1	4234.49	+3.8	2332.03	+4.4	4511.37	+4.3	2756.35	-2.5	5049.13	-1.4	2317.67	-0.8	4546.01	-0.3
8 +4.4	2572.09	+3.2	4549.62	+2.5	2565.58	+0.6	4208.63	-0.6	2390.59	+2.5	4733.37	+4.9	2819.50	+2.3	5055.04	+0.1	2350.21	+1.4	4583.10	+0.4
5 +4.3	2676.08	+4.0	4678.78	+2.8	2593.04	+1.1	4280.39	+1.7	2464.69	+3.1	4827.92	+2.0	2961.47	+5.0	5508.43	+9.0	2386.19	+1.5	4586.40	+0.5
7 +6.1	2784.88	+4.1	4883.58	+4.4	2580.28	-0.5	4311.93	+0.7	2594.69	+8.3	5056.78	+4.7	3044.27	+2.8	5732.37	+4.1	2460.79	+2.7	4684.28	+2.2
2 +4.5	2880.86	+3.4	5064.20	+3.7	2585.07	+0.2	4331.70	+0.5	2588.08	-1.0	5061.56	+0.1	3076.27	+1.1	5734.48	0.0	2523.00	+2.9	4738.35	+1.2
6 +3.6	2970.40	+3.1	5299.78	+4.7	2661.16	+3.7	4425.57	+2.2	2625.15	+2.2	5132.97	+1.4	3119.95	+1.4	5932.57	+3.5	2568.00	+1.7	4898.01	+3.4
8 +6.1	3040.85	+2.4	5431.28	+2.5	2717.08	+1.3	4580.56	+3.5	2602.16	-0.9	5090.94	-0.8	3245.04	+4.0	6055.61	+2.1	2552.58	-0.6	4933.39	+0.7
7 +3.9	3169.81	+4.2	5616.96	+3.4	2807.73	+3.3	4696.93	+2.5	2686.93	+2.3	5172.41	+1.6	3270.90	+0.8	6222.06	+2.8	2715.04	+6.4	5120.63	+3.8
9 +3.6	3130.58	-1.2	5682.35	+1.2	2954.64	+5.2	4988.38	+6.2	2743.01	+2.1	5315.67	+2.7	3298.09	+0.8	6294.84	+1.7	2787.74	+2.7	5120.37	+3.9
1 +5.0	3377.98	+7.9	6022.23	+6.0	3140.13	+6.3	5287.87	+6.0	3034.48	+10.6	5765.31	+8.5	3428.04	+3.9	6477.95	+2.9	2980.82	+6.9	5630.25	+5.8
4 +4.9	3480.78	+3.0	6224.86	+3.4	3218.37	+2.5	5485.79	+3.7	3091.81	+1.9	5947.05	+3.2	3519.17	+2.7	6530.35	+0.8	3024.48	+1.5	5818.49	+3.3
8 +3.2	3583.18	+2.4	6431.00	+3.3	3287.92	+2.2	5648.52	+3.0	3089.59	-0.1	6053.67	+1.8	3581.60	+1.2	6558.16	+0.4	3046.50	+0.7	5924.09	+1.8
8 +3.2	3583.18	+2.4	6431.00	+3.3	3273.77	+1.9	5634.38	+2.8	3069.59	+1.0	6053.67	+2.4	3550.17	+1.0	6546.74	+0.3	3043.78	+1.0	5921.37	+2.0
8 +2.5	3583.18	+2.4	6431.00	+3.3	3289.57	+2.1	5637.64	+3.1	3082.51	+3.1	6046.60	+3.8	3540.38	+1.0	6556.94	+0.6	3043.78	+1.3	5921.37	+2.1
5 +2.5	3583.18	+2.4	6431.00	+3.3	3299.91	+2.6	5647.98	+3.4	3136.83	+5.6	6069.91	+5.1	3537.26	+0.9	6553.82	+0.6	3025.90	+0.9	5903.50	+1.9
5 +2.4	3583.18	+2.4	6431.00	+3.3	3303.17	+2.7	5651.24	+3.4	3137.46	+4.1	6101.54	+4.3	3535.28	+0.8	6551.84	+0.5	3023.65	+0.3	5901.24	+2.0
6 +2.5	3583.18	+2.4	6431.00	+3.3	3326.02	+3.4	5674.09	+3.8	3134.74	+4.3	6248.82	+7.0	3534.30	+0.6	6550.87	+0.4	3088.93	+2.2	5966.52	+3.0
6 +2.3	3583.18	+1.7	6431.00	+2.9	3351.05	+5.3	5699.11	+4.9	3179.44	+5.6	6271.87	+7.3	3535.18	+0.1	6551.75	+0.1	3088.93	+2.8	5966.52	+3.3
6 +2.0	3583.18	+0.4	6431.00	+2.7	3436.52	+5.3	5887.91	+4.7	3222.15	+7.2	6296.35	+5.1	3540.03	-0.1	6556.59	+0.1	3088.93	+2.6	5966.52	+1.1
6 +0.2	3827.69	+1.8	6591.00	+2.5	3436.52	+5.3	5887.91	+4.7	3196.29	+5.0	6266.59	+3.9	3807.56	+1.4	6528.85	-0.8	3088.93	+2.8	5966.52	+1.2
6 +0.3	3638.19	+2.1	6601.50	+2.7	3487.82	+6.9	5939.21	+5.8	3233.89	+5.4	6282.53	+4.2	3632.79	+2.3	6628.15	+0.9	3128.37	+3.9	6069.02	+3.2
6 +1.0	3641.74	+2.2	6600.50	+2.6	3522.98	+7.3	5968.06	+5.9	3314.49	+8.1	6363.13	+5.5	3617.01	+1.0	6612.37	+0.5	3127.37	+2.6	6068.02	+2.6
6 +1.9	3641.74	+2.2	6600.50	+2.6	3525.28	+8.5	5971.84	+5.3	3341.88	+8.2	6390.33	+5.6	3609.93	+1.1	6605.30	+0.5	3158.41	+3.9	6068.02	+2.7
7 +2.1	3640.49	+2.2	6599.25	+2.6	3638.60	+7.6	5964.29	+5.5	3253.40	+5.3	6302.04	+4.1	3634.25	+2.0	6629.61	+1.1	3154.16	+3.5	6066.77	+2.6
2 +2.1	3639.74	+2.2	6598.50	+2.6	3572.12	+9.1	6017.81	+6.8	3342.41	+8.2	6391.05	+5.6	3633.50	+2.4	6628.86	+1.3	3200.19	+5.1	6132.81	+3.6
2 +2.1	3640.74	+2.2	6599.50	+2.6	3535.58	+7.5	5981.28	+6.1	3306.96	+7.3	6355.80	+5.1	3645.93	+3.0	6641.29	+1.3	3204.82	+5.3	6137.44	+3.7
3 +2.4	3636.89	+2.1	6595.64	+2.6	3479.10	+5.4	5917.95	+4.8	3305.65	+5.4	6354.29	+4.2	3650.76	+3.2	6646.13	+1.4	3198.57	+5.6	6129.18	+3.8
4 +2.4	3658.14	+2.7	6616.89	+2.9	3506.33	+6.2	5945.19	+5.2	3329.62	+6.1	6378.28	+4.5	3677.45	+4.0	6672.82	+1.9	3401.68	+12.5	6334.29	+7.3
10 +2.6	3666.14	+2.9	6624.89	+3.0	3489.65	+4.9	5928.71	+4.5	3335.88	+6.4	6512.87	+4.2	3702.86	+4.8	6698.22	+2.3	3417.65	+10.6	6466.29	+8.4
14 +3.6	3966.59	+11.9	6947.34	+8.0	3604.36	+4.8	5943.22	+4.3	3353.11	+8.5	6536.10	+4.1	3704.66	+4.8	6700.22	+2.3	3321.73	+7.5	6370.37	+6.8
15 +2.9	3963.99	+11.3	6922.74	+7.7	3501.02	+1.9	5990.92	+1.6	3367.41	+4.5	6537.94	+3.8	3754.93	+6.1	6706.81	+2.3	3319.98	+7.5	6368.62	+6.7
15 +2.6	3966.56	+9.9	7060.87	+7.3	3469.65	+1.8	5951.71	+1.1	3375.18	+5.6	6524.06	+4.1	3783.84	+4.9	6705.81	+2.7	3315.86	+7.4	6364.49	+6.7
10 +2.4	3987.31	+9.6	7070.62	+7.1	3484.62	-0.1	5936.69	0.0	3383.97	+4.0	6512.84	+3.7	3784.59	+4.2	6706.56	+1.2	3316.61	+6.0	6365.24	+4.5
14 +4.1	3966.05	+8.9	7049.36	+6.8	3466.06	-1.6	5918.15	-0.9	3324.76	+0.3	6473.63	+1.7	3800.32	+5.1	6722.29	+1.7	3317.11	+6.1	6365.74	+4.6
16 +3.1	3963.55	+8.8	7046.86	+6.8	3404.83	-3.4	5856.89	-1.9	3309.20	-1.0	6458.07	+1.1	3798.61	+5.2	6720.58	+1.8	3351.52	+6.2	6422.82	+8.8
16 +2.2	3974.05	+9.5	7057.36	+6.9	3437.09	-2.9	5899.15	-1.2	3325.68	+2.2	6474.56	+2.7	3809.11	+4.8	6731.08	+1.5	3368.54	+6.8	6429.55	+9.1
16 +1.6	3974.05	+8.2	7057.36	+7.0	3424.58	-4.1	5878.64	-2.4	3343.64	0.0	6462.31	+1.6	3809.11	+4.8	6731.08	+1.5	3368.54	+5.3	6430.85	+8.3
17 +2.1	3962.53	+8.4	7066.61	+7.1	3445.21	-2.6	5963.16	-0.3	3332.85	+0.8	6481.72	+2.0	3814.24	+4.6	6736.21	+1.4	3376.79	+5.4	6448.10	+8.3
17 +1.5	3966.03	+8.6	7066.11	+7.2	3480.43	-0.8	5966.36	+0.9	3320.11	+0.4	6481.98	+4.2	3818.58	+4.6	6739.38	+1.4	3382.45	+5.8	6453.76	+8.6



1998-99 Systems Development Fees - City of Wilsonville

	Systems Development Fees
SEWER	Effective July 1, 1998
<b>Residential:</b>	
Single Family Dwelling	\$1,365.00 per du
Canyon Creek Meadows	\$1,329.00 per du
Multi-Family Dwelling	\$1,036.00 per du
Mobile Home Residential	\$1,036.00 per du
Manufactured Home Residential	\$1,365.00 per du
Hotel/Motel @ 25 efu	\$1,365.00 per du
<b>Commercial:</b>	
Banks	\$1,501.00
Amusement/Recreation	\$1,365.00
Car Wash/recycle	\$3,139.00
Day Care	\$1,501.00
Eating Places	\$3,685.00
Grocery Stores	\$6,415.00
Indoor Theater	\$1,365.00
Office	\$955.00
Professional Building	\$1,637.00
Service Shop	\$1,365.00
Service Station	\$2,047.00
Shopping Center	\$3,958.00
Store	\$3,958.00
Warehouse	\$3,548.00
Other Commercial	\$1,365.00
<b>Industrial:</b>	
<b>Users not requiring an industrial discharge pretreatment permit</b>	
Construction/Special Trade	\$819.00
Apparel/Fabric Finished Products	\$819.00
Printing/Publishing/Allied	\$2,729.00
Rubber/Misc. Plastic Products	\$1,911.00
Fab. Metal Products	\$3,685.00
Ind/Comm Machinery/Computer Equip	\$7,916.00
Electric/Equip. Components	\$4,912.00
Mis. Manufacturing Industries	\$5,868.00
Terminal Maint/Motor Freight Transp.	\$2,456.00
Transportation Services	\$955.00
Electric/Gas/Sanitary Services	\$4,368.00
Wholesale Trade/Durable Goods	\$6,005.00
Business Services	\$2,047.00
Other Industrial Facilities	\$1,365.00
<b>Users requiring an industrial discharge pretreatment permit - fees calculated after application is made</b>	
<b>WATER METER FEE</b>	
Water - 5/8" x 3/4"	\$1,603.00
Water - 3/4"	\$2,353.00
Water - 1"	\$4,013.00

**1998-99 Systems Development Fees - City of Wilsonville**

Water - 1-1/2"	\$8,078.00
Water - 2"	\$12,729.00
Water - 3"	\$24,784.00
Water - 4"	\$40,954.00
Water - 6"	\$81,170.00
Water - 8"	\$129,842.00
Water - 10"	\$228,442.00
<b>SEWER PERMIT</b>	
Single Family Dwelling	\$50.00
Multi-Family Per Building	\$75.00
Commercial and Industrial	\$360.00
<b>PARKS SDC</b>	
Single Family Dwelling	\$1,943.00
Multi-Family Unit	\$1,477.00
Commercial and Industrial	\$51.00 per employee
<b>STREET SDC</b>	
Single Family Dwelling/Dwelling Unit	\$2,443.00
Canyon Creek Meadows	\$969.44
Multi Family Dwelling/Dwelling Unit	\$1,704.00
Retail/Commercial per employee	\$3,090.00
Industrial per employee	\$1,195.00
Distribution/Warehouse/per employee	\$2,787.00
Flex Zoning per employee	\$859.00
Hotel per employee	\$1,394.00
Office/Schools/Church/Gover/employee	\$1,305.00
Utility per employee	\$1,040.00
PM Peak Hour trip	\$2,214.00
<b>I-5 SUPPLEMENTAL SDC</b>	
Residential per unit where applicable	\$1,982.00
Canyon Creek Meadows	\$379.95
Charbonneau	\$0.00
Commercial/Industrial	\$1,982.00 per trip
<b>STORM SDC</b>	
Storm SDC residential dwelling unit	\$81.00
Canyon Creek Meadows	\$61.70
Storm SDC impervious drainage area	.06 cents per square foot
<b>DESIGN REVIEW FEE</b>	
Single Family/Duplexes	\$100.00
Commercial/Industrial/Multi-Family	Larger of \$300 or .004 of value - \$7500 maximum

# 1998-99 Water Fee Breakdown - City of Wilsonville

		7/1/98	7/1/98
<b>WATER METER SIZE</b>	<b>Meter Charge</b>	<b>SDC Charge</b>	<b>TOTAL FEE*</b>
Water - 5/8" x 3/4"	\$103.00	\$1,500.00	\$1,603.00
Water - 3/4"	\$103.00	\$2,250.00	\$2,353.00
Water - 1"	\$263.00	\$3,750.00	\$4,013.00
Water - 1-1/2"	\$578.00	\$7,500.00	\$8,078.00
Water - 2"	\$730.00	\$11,999.00	\$12,729.00
Water - 3"	\$2,285.00	\$22,499.00	\$24,784.00
Water - 4"	\$3,458.00	\$37,496.00	\$40,954.00
Water - 6"	\$6,178.00	\$74,992.00	\$81,170.00
Water - 8"	\$9,854.00	\$119,988.00	\$129,842.00
Water - 10"	\$12,764.00	\$215,678.00	\$228,442.00
<b>*This Total Fee Includes Meter Charge and SDC Charge</b>			