

LoanSTAR Monitoring and Analysis Program

**Potential Operation and Maintenance (O&M) Savings
at Schools in the Fort Worth Independent School
District**

**Submitted to the
State Energy Conservation Office
By the
Monitoring Analysis Task E**

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DISCLAIMER

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EXECUTIVE SUMMARY

As part of the Texas LoanSTAR program, 44 schools in the Fort Worth Independent School District (FWISD) had lighting retrofits performed on there in late 1991. The Energy Systems Laboratory of Texas A&M University is monitoring hourly energy use at two of these 44 schools, Sims Elementary School and Dunbar Middle School. Data analyses at the Energy Systems Laboratory on the monitored data along with utility billing data from 102 other schools in the FWISD, have shown major O&M savings potential in these schools of over one-fourth of the total electricity consumption and gas consumption, which could amount to \$1,658,000/yr. This report describes the analysis procedure and highlights the O&M energy savings potential in each of the 104 schools.

The analysis is based on a year of data monitored at Sims and Dunbar Schools, along with site visits and short-term measurements of hourly consumption to determine the baseload electricity and gas operation during occupied and unoccupied hours of the day and during weekdays, weekends and holidays. Correction factors were applied to these baseload values to account for partial occupancy during weekends and holidays and the excess energy use involved in diurnal start-up and shut-down of the cooling and heating equipment. Energy use during occupied hours of schooldays was not modified. Consequently, the O&M savings reported here should be conservative. It was assumed that load profiles developed from these two schools applied to other FWISD schools, which, in conjunction with utility bill data, enabled the determination of potential O&M savings in each of FWISD 104 schools. Table 1 provides basic information on the different types of schools, their occupancy rates and the O&M savings potential. Table 2 provides detailed information of potential electricity savings in each of the 104 schools. We note that about half of the savings would result from careful nighttime shut-down on weekdays,

and the other half from savings during weekends and holidays (170 day/yr) where energy is also being needlessly consumed.

Table 1: Basic Information for Each Type of School and Summary of Potential Savings

School Type	Number of Schools	Floor area (ft ²)	HVAC System	Non-schoolday Occupancy	Potential Savings		
					Average	Non-schoolday	Weekdays
Elem.	72	23,000 ~ 62,000	Roof tops	15%	\$8,000	51%	49%
Middle	21	80,000 ~ 96,000	Central	25%	\$17,000	45%	55%
High	11	98,000 ~ 170,000	Central	25%	\$52,000	45%	55%

Table 2: Summary of the Potential Electricity Savings for Each of the 104 Schools

Name	Type of School	Consumption kWh/yr	Demand kW	Cost \$/yr	Savings \$/yr	Percent Savings
Phillips	Elementary	296,950	242	20,427	1,663	8%
W M Green	Elementary	299,616	210	20,547	1,952	10%
Arlington Heights	Elementary	255,936	181	18,169	2,740	15%
Natha Howell	Elementary	290,784	191	20,109	3,001	15%
Sagamore Hill	Elementary	366,680	286	25,099	3,236	13%
Lilly B Clayton	Elementary	306,000	205	21,046	3,250	15%
M G. Ellis	Elementary	192,060	92	13,354	3,266	24%
Greenbriar	Elementary	355,952	228	24,470	3,295	13%
East Handley	Elementary	333,200	200	23,119	3,703	16%
Forest Hill	Elementary	330,768	198	22,689	3,817	17%
Bonnie Brae	Elementary	286,760	143	19,745	4,575	23%
Luella Merrett	Elementary	434,184	271	29,787	4,826	16%
J P Moore	Elementary	281,640	139	19,612	4,879	25%
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Bluebonnet	Elementary	305,232	179	21,096	4,946	23%
Glen Park	Elementary	368,522	218	25,511	5,276	21%
So HI Mount	Elementary	453,256	272	31,616	5,316	17%
Western Hills	Elementary	410,208	315	32,272	5,522	17%
H V Helbing	Elementary	360,040	207	24,725	5,793	23%
Maudrie Walton	Elementary	391,824	237	27,177	5,800	21%
Charles E Nash	Elementary	400,680	210	27,497	6,007	22%
Eastland St	Elementary	397,620	252	27,801	6,130	22%
Benbrook	Elementary	380,551	231	29,118	6,131	21%
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Sunrise	Elementary	419,856	239	28,845	7,266	25%
M H Moore	Elementary	553,776	321	38,190	7,340	19%
Oakhurst	Elementary	584,448	456	40,587	7,482	18%
S S Dillow	Elementary	556,702	464	38,477	7,597	20%
Denve Ave	Elementary	517,401	264	35,001	7,699	22%
S FT Worth	Elementary	488,640	240	33,678	7,786	23%
Ridglea Hills	Elementary	462,768	216	31,792	7,824	25%
Hubbard	Elementary	600,700	320	41,128	7,930	19%
Van Zandt-guinn	Elementary	465,100	182	31,652	7,931	25%
Atwood McDonald	Elementary	457,000	235	31,294	8,231	26%
Tanglewoorg	Elementary	434,560	196	29,597	8,256	28%
Bruce Shulkey	Elementary	487,904	264	34,328	8,585	25%
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Burton Hill Rd	Elementary	571,080	288	39,301	9,286	24%
E J Briscoe	Elementary	503,160	374	34,105	9,458	28%
Westpark	Elementary	478,200	240	32,713	9,548	29%
D Mcrae	Elementary	542,460	296	37,283	9,687	26%
Carroll Peak	Elementary	498,600	210	34,087	9,721	29%
Morningside	Elementary	878,604	470	60,813	10,161	17%
South Hills	Elementary	1,047,540	318	74,675	10,458	14%
Versia Williams	Elementary	535,392	240	36,822	10,486	28%
Diamond Hill	Elementary	520,937	244	35,709	10,559	30%
No Hi Mount	Elementary	436,896	186	30,364	10,804	36%
J T Stephens	Elementary	627,648	349	43,090	10,921	25%
D K Sellars	Elementary	679,776	306	46,944	12,151	26%
Woodway	Elementary	609,540	247	41,378	12,852	31%
E M Daggett	Elementary	863,448	493	62,695	13,776	22%
B H Carroll	Elementary	622,540	262	42,884	14,036	33%
Como	Elementary	746,940	364	52,093	14,206	27%
Westcreek	Elementary	779,696	343	53,164	14,559	27%
Worth Heights	Elementary	592,380	242	44,414	15,039	34%
Manuel Jara	Elementary	738,660	300	50,467	16,567	33%
Washington Hgts	Elementary	628,140	145	38,415	17,292	45%

Name	Type of School	Consumption kWh/yr	Demand kW	Cost \$/yr	Savings \$/yr	Percent Savings
T A Sims	Elementary	762,540	327	52,613	17,814	34%
Polytechnic	High	1,623,637	885	112,639	24,587	22%
Carter Riverside	High	1,518,240	648	104,665	30,355	29%
Northside	High	1,720,400	639	118,447	37,077	31%
Eastern Hills	High	2,320,040	1,133	153,271	47,977	31%
Arlington Heights	High	2,278,532	739	150,897	50,147	33%
Western Hills	High	2,725,000	1,000	188,008	53,149	28%
Dunbar	High	2,831,520	759	147,576	59,041	40%
O D Wyatt	High	2,907,800	906	187,339	62,975	34%
Paschal	High	3,101,472	953	197,164	67,606	34%
Southwest	High	3,142,033	1,044	193,535	69,183	36%
Trimble Tech	High	3,175,650	1,191	218,311	73,714	34%
Glencrest	Middle	331,119	177	22,957	4,180	18%
Como	Middle	511,800	240	35,572	7,327	21%
Kirkpatrick 5 6	Middle	565,800	282	39,152	7,612	19%
Dunbar 5 6 Grade	Middle	490,200	284	33,871	8,497	25%
New Handley	Middle	986,100	542	66,418	9,585	14%
Meadowbrook	Middle	781,450	406	53,714	12,644	24%
Daggett	Middle	697,152	317	47,598	12,967	27%
Meacham	Middle	869,600	420	70,260	13,226	19%
J P. Elder	Middle	1,041,016	455	71,139	15,564	22%
Wedgwood	Middle	1,135,003	551	79,661	16,318	20%
Mclean	Middle	855,960	444	59,130	16,681	28%
Stripling	Middle	1,043,640	334	72,133	18,032	25%
Morningside	Middle	987,960	396	69,115	18,996	27%
Rosenmount	Middle	1,081,650	441	73,646	19,731	27%
Riverside	Middle	1,023,800	477	71,853	20,551	29%
Moning	Middle	1,099,861	457	76,113	20,937	28%
WM James	Middle	1,309,920	638	89,747	22,528	25%
Meadowbrook	Middle	1,167,676	380	73,267	23,716	32%
Leonard	Middle	1,382,640	574	93,897	23,842	25%
Forest oak	Middle	1,425,080	681	98,807	31,023	31%
Dunbar	Middle	1,653,472	595	107,303	31,598	29%
Total		82,238,461		5,566,175	1,499,293	27%

Table of Contents

DISCLAIMER.....	i
EXECUTIVE SUMMARY.....	ii
INTRODUCTION.....	1
METHOD.....	5
RESULTS AND DISCUSSIONS.....	7
CONCLUSIONS.....	15
REFERENCE.....	17
APPENDIX A.....	18
APPENDIX B.....	31

POTENTIAL OPERATION AND MAINTENANCE SAVINGS AT SCHOOLS IN THE FORT WORTH INDEPENDENT SCHOOL DISTRICT

INTRODUCTION

A previous investigation of the O&M potential savings at two FWISD schools (Sims Elementary and Dunbar Middle schools) [1] indicated that substantial energy can be saved by turning off lights and HVAC systems during unoccupied hours and improving light usage during custodial hours. Moreover, the pre-screening analysis of utility bills and site visits suggest that substantial potential savings exists at every school in the school district. In this report, the potential O&M savings were estimated by using year-long utility bills and measured energy consumption patterns at Sims Elementary and Dunbar Middle schools for 104 schools (72 elementary, 21 middle, and 11 high schools) in the Fort Worth Independent School District (FWISD). Of these, 44 schools had had lighting retrofits performed in late 1991 as part of the LoanSTAR program.

Hourly electricity and gas consumption has been measured at Dunbar Middle and Sims Elementary Schools since September, 1991. The schools (excluding most of the portable buildings) consumed 82,283,105 kWh electricity from July 1991 to July 1992, which cost FWISD \$5,633,193 according to the utility bills. (Note that the billing period may vary from school to school; July is only a reference date for the billing periods of all schools.) Figure 1a presents the average electricity consumption and Figure 1b the energy costs of each type of school as well as the average for all the schools. Figure 1 shows that an elementary school on average consumed about 485,000 kWh (\$34,000), a high school about 2,485,000 kWh (\$161,000), and a middle school about 973,000 kWh (\$67,000). The higher electricity consumption and costs of the middle and high schools are due to the

larger area of such schools and to the greater number of facilities and activities at these schools.

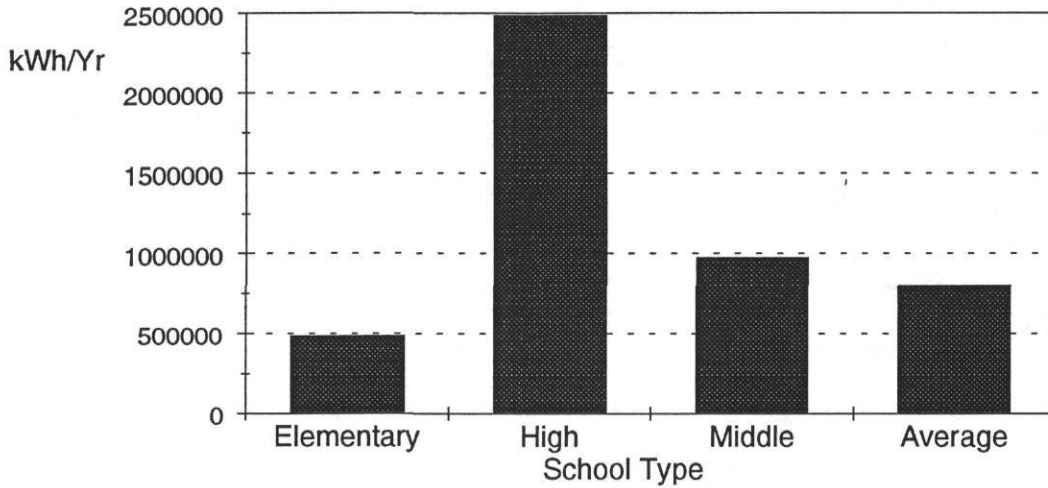


Figure 1a: The Average Electricity Consumption per School From July 1991 to July 1992

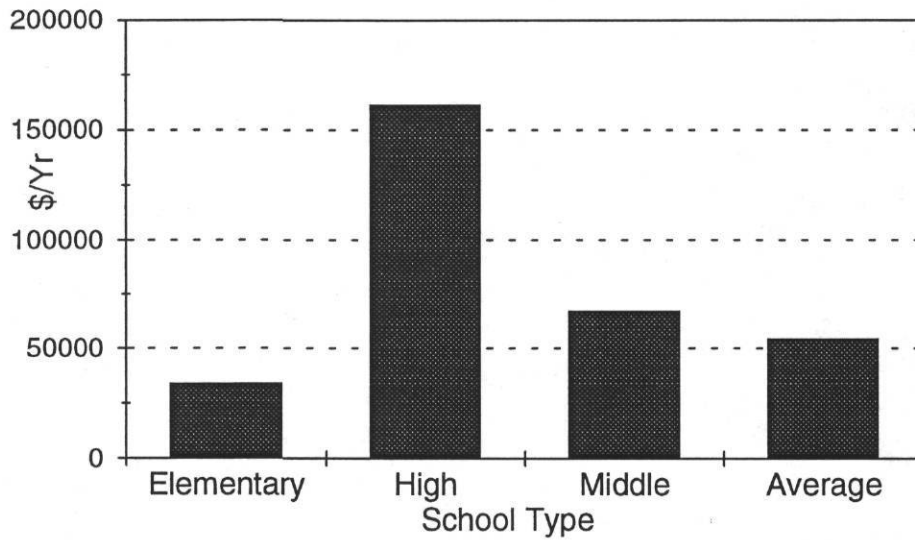


Figure 1b: The Average Electricity Cost per School From July 1991 to July 1992

Figure 2a shows the total energy consumption and Figure 2b the total electricity costs for each school category. We note that the elementary schools consumed 41.9% of the total electricity consumption, while the high schools consumed 33.3% and the middle schools consumed 24.9%. Figure 2b shows that the high schools had a lower cost ratio of 31.8% (as compared to the energy consumption ratio of 33.3%), which suggests that high schools have a lower unit electricity price than other schools. High schools used G rate while other schools used S rate.

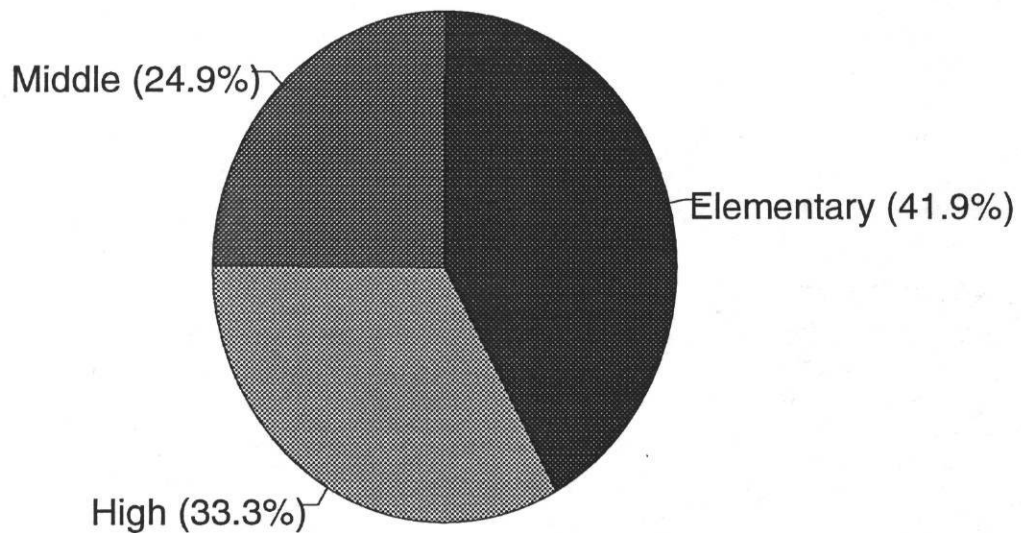


Figure 2a: Percentage of Electricity Consumption at Different Types of Schools. Total Electricity Consumption is 82,238,461 kWhs

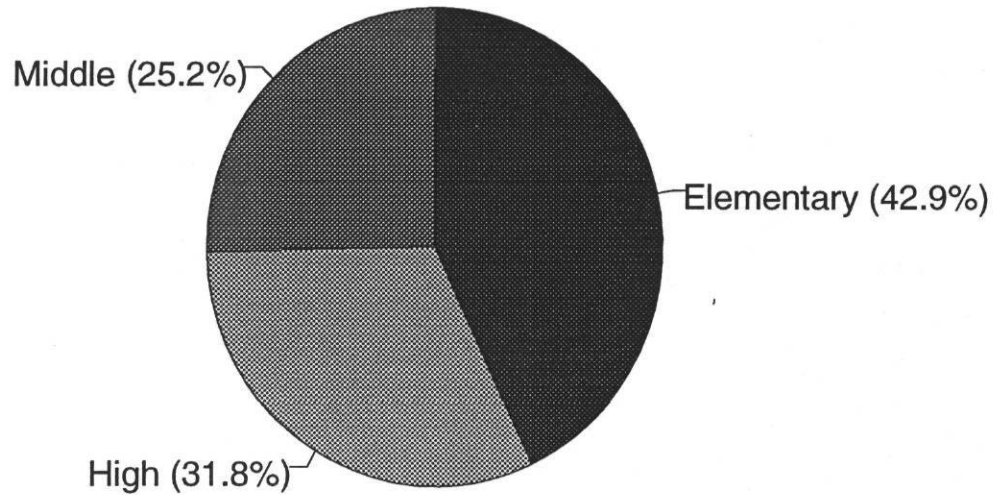


Figure 2b: Percentage Electricity Costs for Different Type of Schools. Total Cost Is \$5,566,175 for 104 Schools

The floor areas range from 23,000 ft² to 62,000 ft² for the elementary schools, from 80,000 ft² to 96,000 ft² for the middle schools, and from 98,000 ft² to 179,000 ft² for the high schools, according to the information supplied from FWISD for the 44 LoanSTAR monitored schools. We have assumed in this analysis that other schools of each type also have the same range of floor area. Most elementary schools have flexible roof-top systems, while the middle and high schools have central HVAC systems. Sims Elementary School has flexible roof-top systems with a floor area of 60,553 ft², which is close to the upper limit of the elementary school category, and Dunbar Middle School has central HVAC systems with a floor area of 92,884 ft², which is about the average of the middle school category.

The potential O&M savings calculation performed in this report estimates that when all 104 schools are considered, the FWISD can reduce its annual electricity cost by \$1.5 million and annual gas cost by \$158,000. These savings can be achieved merely by

shutting down HVAC and lighting during unoccupied hours and improving lighting usage during custodial hours.

This report describes the method used to estimate electricity and gas savings of these O&M measures, and presents the results of the calculation. Appendix A provides more detailed information about the calculation procedure, while Appendix B lists the detailed calculation results for each school.

METHOD

The potential energy savings are estimated by extrapolating from the monitored energy use of Dunbar Middle and Sims Elementary Schools, which were part of the LoanSTAR program. This data, in conjunction with the results of an earlier investigation on the potential O&M savings at Dunbar Middle and Sims Elementary Schools [1] and the monthly utility bills (monthly electricity consumption, monthly demand, and monthly electricity cost) were used to develop the methodology described below.

- 1. Develop an efficient operation pattern at Dunbar Middle and Sims Elementary Schools using the measured hourly electricity and gas consumption data, and short term test results. If Dunbar Middle School were operated as efficiently as possible, electricity and gas consumption there would be 35 kW and 20 ft³/h, respectively, while they would be 23 kW and 10 ft³/h, respectively, at Sims Elementary. These values apply only for unoccupied hours (from 5:00 p.m. to 7:00 a.m. weekdays, from 0:00 to 24:00 weekends and vacation days) and no O&M savings potential is assumed for occupied hours. (See appendix A for detailed information)*
- 2. Calculate the daily electricity and gas consumption for Sims and Dunbar according to the efficient use pattern suggested in the first step.*

3. Calculate the average daily electricity and gas consumption for Sims and Dunbar based on the efficient pattern for weekdays and weekend and vacation days, respectively, for each month.

4. Calculate for Sims and Dunbar separately: (i) the weekday equivalent full load factor (α) defined as the ratio of the average weekday electricity consumption to the electricity demand for each month, and (ii) the weekend equivalent full load factor (β) defined as the ratio of the average weekend and vacation day electricity consumption to the electricity demand for each month. Note that the electricity demands are taken from the utility bills while the average daily electricity consumptions are estimated from efficient patterns. It is assumed that the *equivalent full load factors* are the same for schools which have similar types of HVAC systems. Consequently, all elementary schools are assumed to have the same *equivalent full load factor* as Sims Elementary School, and middle and high schools to have the same *equivalent full load factor* as Dunbar Middle school.

5. Calculate the optimized monthly electricity consumptions at other schools using the following equation:

$$E_i = (N_{1,i} \times \alpha_i + N_{2,i} \times \beta_i) P_{demand,i}$$

where: E_i is the optimized electricity consumption for billing period i (1, 2, 12), $N_{1,i}$ is the number of weekdays during billing period i , α_i is the weekday equivalent full load factor for billing period i , $N_{2,i}$ is the number of weekend and vacation days during billing period i , β_i is the weekend equivalent full load factor for billing period i , and $P_{demand,i}$ is the demand from the utility bills during billing period i .

6. Calculate the maximum potential electricity cost (S_{ec}) savings as:

$$S_{ec,i} = \frac{E_{cost,i}}{E_{e,i}} (E_i - E_{e,i})$$

where $S_{ec,i}$ is the electricity cost savings for billing period i , $E_{cost,i}$ is the electricity cost (\$/month) for billing period i , and E_{ei} is the electricity consumption (kWh) for billing period i .

7. Calculate potential savings using a realistical weekend and vacation occupancy schedule. Due to partial occupancy during weekends and vacations and the penalty of night-time shut-down, the potential savings was calculated as 67% of the maximum potential savings for middle and high school and 73% for elementary school.

The correction factors are deduced based on the following conditions: 1) weekend and vacation occupancy is 25% (or 1 full day use for every 4 days) for middle and high school and 15% (or 1 full day for each 6.6 days) for elementary schools; 2) the optimized savings from weekends and vacations is about 60% of the total optimized savings, and 3) nighttime shutdowns have a penalty of 20% on the electricity savings. The impact of turning off lights on the cooling and heating is taken as zero, which makes savings estimation conservative. Thus, for middle and high schools: $(1-0.25*0.6)X(1-0.2)=0.67$, and for elementary schools: $(1-0.15*0.6)X(1-0.2)=0.73$.

8. Calculate the potential gas savings as 17.6% of the potential electricity savings for the elementary schools and 7.3% of the potential electricity savings for the middle and high schools. The potential gas cost savings is 17.6% of the potential electricity savings at Sims Elementary School and 7.3% at Dunbar Middle School (See Appendix A).

RESULTS AND DISCUSSIONS

The potential annual electricity savings are given in Table 1 for each of 104 schools. The first column shows the school name; the second column shows the type of school (E-elementary, M-middle, and H-high); the third column shows whether the school is part of the LoanSTAR program (Y-LoanSTAR school, N-non-LoanSTAR program); the fourth column shows the annual electricity consumption (kWh) over a one-year period (from July

1991 to July 1992) according to the utility bills; the fifth column shows the maximum demand during a one-year period; the sixth column shows the annual cost (\$) of electricity; the seventh column shows the potential annual electricity savings (\$); and the eighth column shows the percent savings or the ratio of savings to the annual cost. The total electricity consumption and costs were 82,238,461 kWh and \$5,566,175 respectively. The potential electricity savings is \$1,499,293 or 27% of the total electricity cost. The potential electricity and gas savings are \$1,658,242.

Table 1: Summary of the Potential Electricity Savings for Each of the 104 Schools

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FWISD O&M Potential in 104 Schools, P.9

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Diamond Hill	E	Y	520,937	244	35,709	10,559	30%
No Hi Mount	E	N	436,896	186	30,364	10,804	36%
J T Stephens	E	Y	627,648	349	43,090	10,921	25%
D K Sellars	E	N	679,776	306	46,944	12,151	26%
Woodway	E	N	609,540	247	41,378	12,852	31%
E M Daggett	E	Y	863,448	493	62,695	13,776	22%
B H Carroll	E	N	622,540	262	42,884	14,036	33%
Como	E	N	746,940	364	52,093	14,206	27%
Westcreek	E	N	779,696	343	53,164	14,559	27%
Worth Heights	E	Y	592,380	242	44,414	15,039	34%
Manuel Jara	E	Y	738,660	300	50,467	16,567	33%
Washington Hgts	E	Y	628,140	145	38,415	17,292	45%
T A Sims	E	Y	762,540	327	52,613	17,814	34%
Polytechnic	H	Y	1,623,637	885	112,639	24,587	22%
Carter Riverside	H	N	1,518,240	648	104,665	30,355	29%
Northside	H	Y	1,720,400	639	118,447	37,077	31%
Eastern Hills	H	Y	2,320,040	1,133	153,271	47,977	31%
Arlinhton Heights	H	N	2,278,532	739	150,897	50,147	33%
Western Hills	H	N	2,725,000	1,000	188,008	53,149	28%

Dunbar	H	N	2,831,520	759	147,576	59,041	40%
O D Wyatt	H	N	2,907,800	906	187,339	62,975	34%
Paschal	H	N	3,101,472	953	197,164	67,606	34%
Southwest	H	N	3,142,033	1,044	193,535	69,183	36%
Trimble Tech	H	N	3,175,650	1,191	218,311	73,714	34%
Glencrest	M	N	331,119	177	22,957	4,180	18%
Como	M	N	511,800	240	35,572	7,327	21%
Kirkpatrick 5 6	M	N	565,800	282	39,152	7,612	19%
Dunbar 5 6 Grade	M	N	490,200	284	33,871	8,497	25%
New Handley	M	N	986,100	542	66,418	9,585	14%
Meadowbrook	M	Y	781,450	406	53,714	12,644	24%
Daggett	M	N	697,152	317	47,598	12,967	27%
Meacham	M	N	869,600	420	70,260	13,226	19%
J P. Elder	M	N	1,041,016	455	71,139	15,564	22%
Wedgwood	M	N	1,135,003	551	79,661	16,318	20%
Mclean	M	N	855,960	444	59,130	16,681	28%
Stripling	M	Y	1,043,640	334	72,133	18,032	25%
Morningside	M	N	987,960	396	69,115	18,996	27%
Rosenmount	M	Y	1,081,650	441	73,646	19,731	27%
Riverside	M	Y	1,023,800	477	71,853	20,551	29%
Moning	M	N	1,099,861	457	76,113	20,937	28%
WM James	M	N	1,309,920	638	89,747	22,528	25%
Meadowbrook	M	N	1,167,676	380	73,267	23,716	32%
Leonard	M	N	1,382,640	574	93,897	23,842	25%
Forest oak	M	N	1,425,080	681	98,807	31,023	31%
Dunbar	M	Y	1,653,472	595	107,303	31,598	29%
Total			82,238,461		5,566,175	1,499,293	27%

The table is organized by the potential savings in ascending order. The table shows that the elementary schools have potential savings from \$1,663 to \$17,814, the middle schools have potential savings from \$4,180 to \$31,598, and the high schools have potential savings from \$24,587 to \$73,714. The monthly potential savings and other information are provided in Appendix B.

The potential electricity savings are shown in Figures 3a and 3b vs total electricity consumption and demand, respectively. Figure 3a shows clearly that the potential savings increases as the consumption increases. When Figure 3a is compared to Figure 3b, it is clear that total electricity consumption is a better indicator of the potential savings than demand.

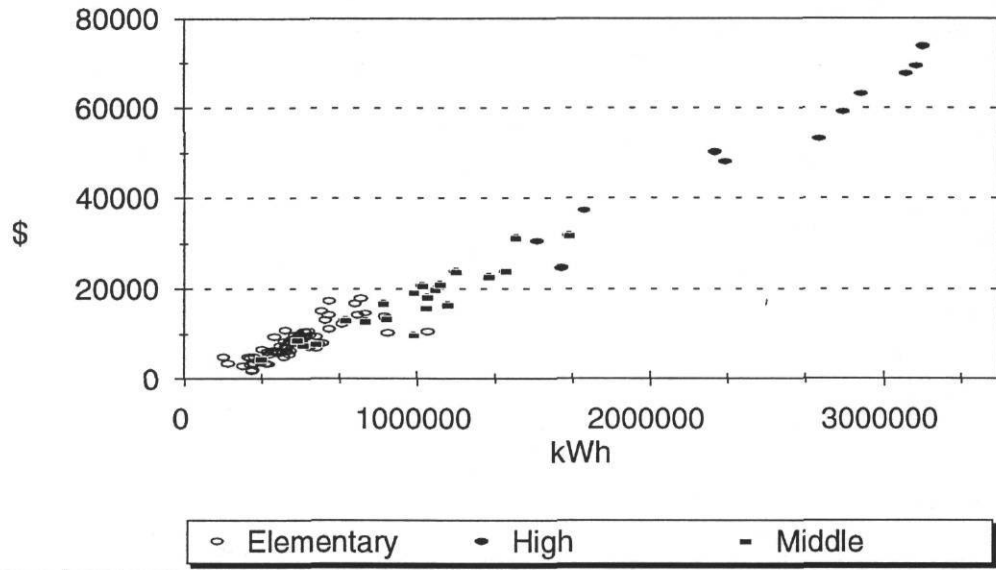


Figure 3a: The Potential Savings vs the Annual Consumption for 104 Schools

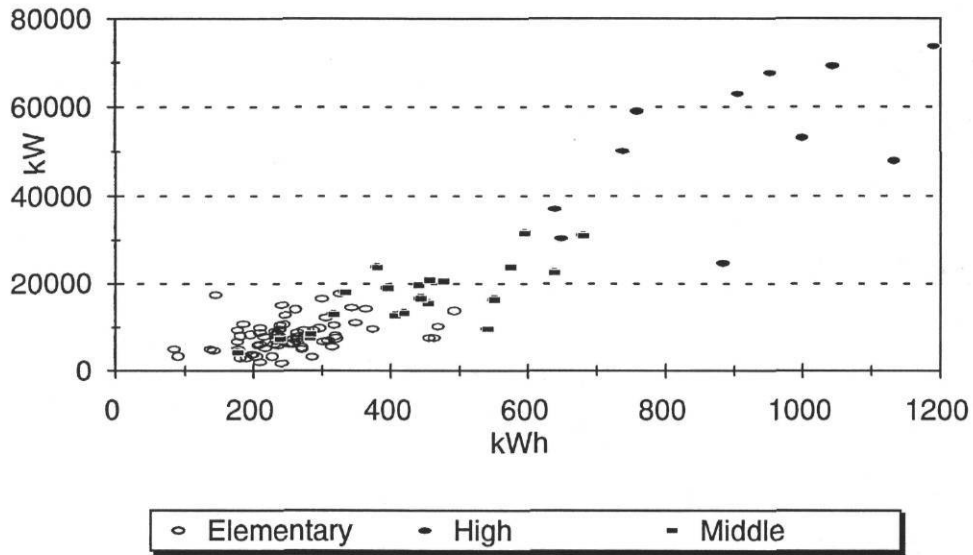


Figure 3b: The Potential Savings vs the Annual Peak Demand for 104 Schools

The total potential electricity and gas savings are shown in Figure 4a for each type of school. This figure shows that the elementary schools account for 40.1% of the total

potential savings, the high schools account for 37.1%, and the middle schools account for 22.9% of the total savings of \$1,658,242. The potential electricity savings are shown in Figure 4b. This figure shows that the elementary schools account for 37.9% of the total potential savings, the high schools account for 38.4%, and the middle schools account for 23.7% of the total potential savings of \$1,499,293. The slightly different savings ratios in Figures 4a and 4b are due to the fact that elementary schools have large gas savings potential (See Appendix A).

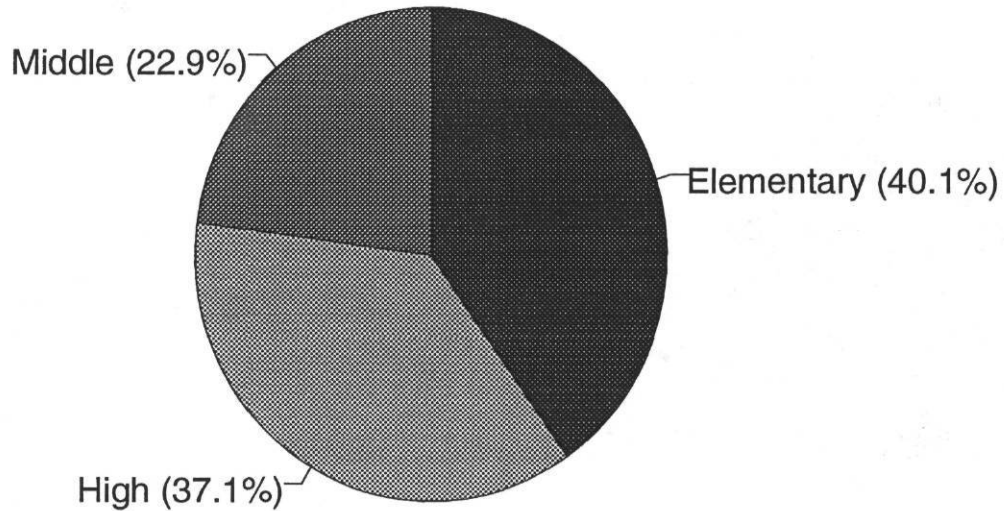


Figure 4a: The Potential Electricity and Gas Savings at Different Types of Schools (the Total Potential Savings are \$1,667,238 for 104 Schools)

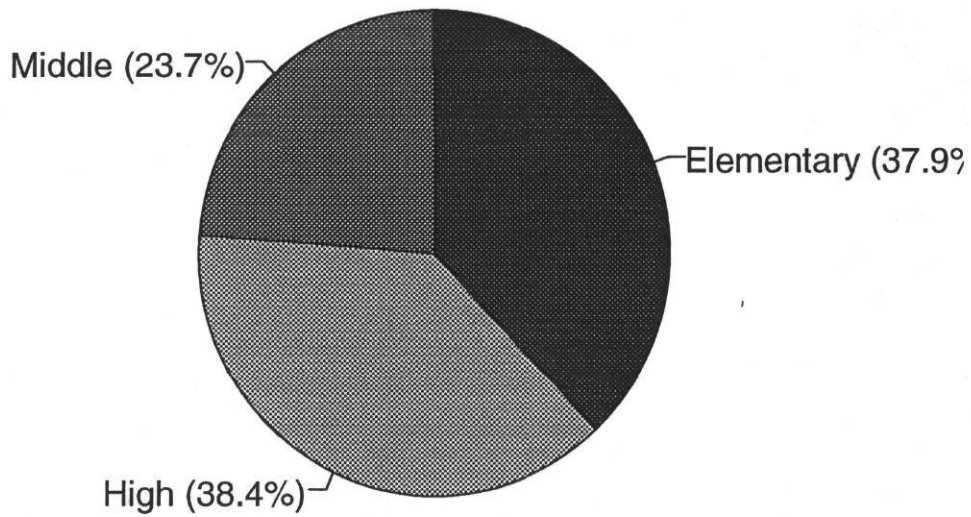


Figure 4b: The Potential Electricity Savings at Different Types of Schools (the Total Potential Savings Are \$1,499,293)

The average annual savings potentials are given in Figures 5a (gas and electricity) and 5b (electricity only) for each type of school. These figures show clearly that high schools have much higher savings potential than elementary and middle schools. Therefore, it seems that higher priority should be given to the high schools. However, it is suggested that the issue of feasibility also be considered because it is generally easier to perform and maintain O&M measures in elementary schools due to their simpler cooling and heating systems than in middle and high school.

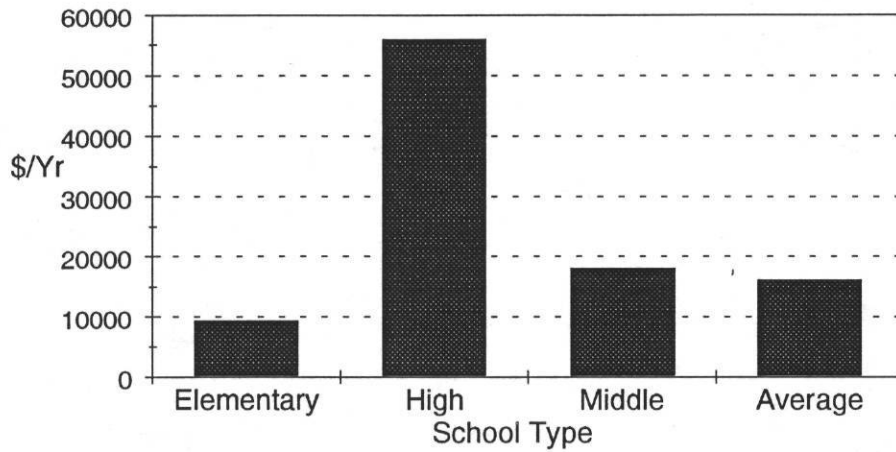


Figure 5a: The Average Potential Electricity and Gas Savings for Each Type of School

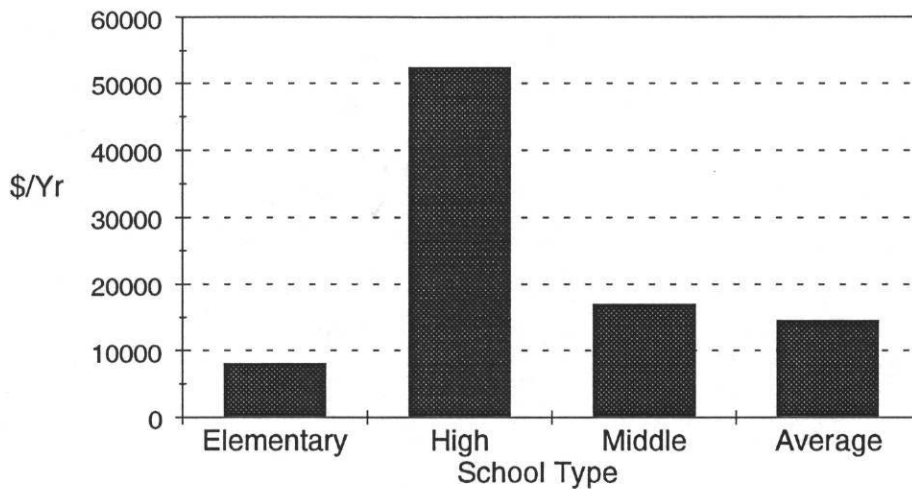


Figure 5b: The Average Potential Electricity Savings for Each Type of School

The electricity savings ratios are shown in Figure 6 for each type school. This figure shows that high schools have the highest average savings ratio of 32%. The middle schools have a moderate average savings ratio of 25%, while the elementary schools have the lowest average ratio of 23%. The average savings ratio for all the schools is 27%. The different savings ratios may be due to the fact that the elementary schools have flexible

roof-top systems which can be turned off by the teachers when they leave the classroom, while high schools and middle schools have central systems which are solely controlled by the operators and the central EMS system.

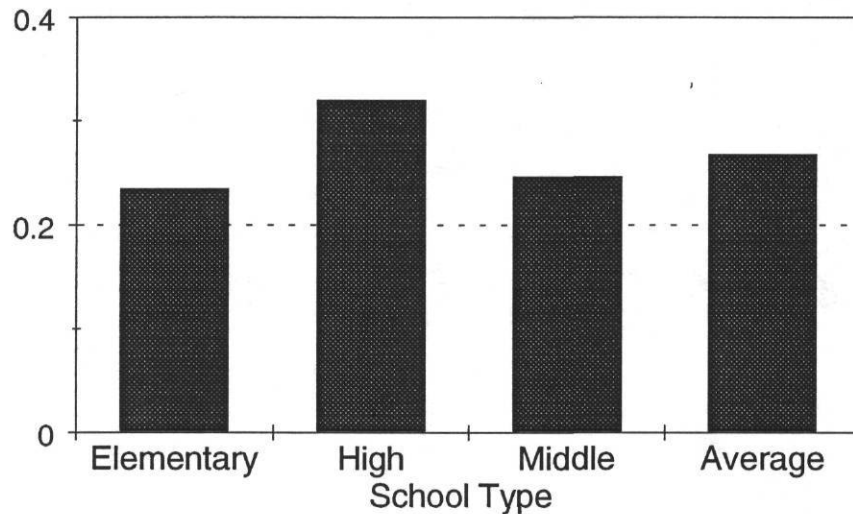


Figure 6: The Average Electricity Savings Ratio for Different Types of Schools

CONCLUSIONS

The investigation shows that Fort Worth Independent School District has the potential to save \$1,658,242/yr in gas and electricity by implementing O&M measures. This savings consists mainly of the potential electricity savings of \$1,499,293 in 104 schools. The potential electricity savings are about 27% of the total electricity consumption.

The potential savings from weekend and vacation days is about 45% of the total annual savings for middle and high schools and 51% of the total annual savings for elementary school. There are about 170 weekend and vacation days for each school year. The average weekend and vacation day savings are slightly higher than week days.

The high schools have much larger savings potential than any other schools. On average, the high schools have an annual potential savings of \$52,346, while the middle

schools have a potential savings of \$16,931, and the elementary schools have a potential savings of \$7,999. The overall average potential savings are \$14,556. Therefore, it is suggested that higher priority be given to the high schools and some of the elementary and middle schools which have high saving ratios and potential. However, the feasibility of the O&M measures should be an important parameters in determining the priority of each building.

REFERENCE

1. Liu Mingsheng, John Houcek, David Claridge and Jeff Haberl, "Potential Operation and Maintenance (O&M) Savings at Dunbar Middle and Sims Elementary Schools," ESL-TR-93/04-08, April, 1993. Texas A&M University, College Station, Texas.

APPENDIX A

This appendix provides the basic information on the efficient operation patterns, the ratio of the potential gas savings to the potential electricity savings, and the ratio of weekend and vacation potential savings to the total savings under the efficient operation patterns at Dunbar Middle and Sims Elementary Schools.

The hourly data measured by the LoanSTAR program were used to generate the efficient operation patterns. The utility bill data used are from October 1, 1991 to September 30, 1992 for both Dunbar and Sims. The electricity consumption was determined as 35 kW during unoccupied hours. This number was deduced according to the following facts: (1) the nighttime consumption should be 14.5 kW when the custodian leaves for the night[1]; (2) the custodians may need 10 kW for the equipment and 15 kW for the lighting when they are working (4:00 p.m to midnight) at Dunbar middle school. The electricity consumption was assumed to be 23 kW at Sims according to the minimum electricity consumption at night and consumption associated with custodian staff. These numbers are conservative because custodians do not work during weekends. The gas consumptions were taken as 20 ft³ and 10 ft³ during unoccupied hours for Dunbar and Sims, respectively. These numbers were determined from measured minimum gas consumption at night.

Figures A-1 and A-2 show the daily measured and efficient operation energy consumptions for Dunbar Middle and Sims Elementary Schools respectively. The figures show that the efficient operation patterns are much lower than the measured consumption, especially during summer vacations. The maximum potential savings is taken as the difference of the two curves (measured electricity and efficient operation pattern), which are shown in Figures A-3 and A-4. The figures show clearly that the majority of savings come from the summer months.

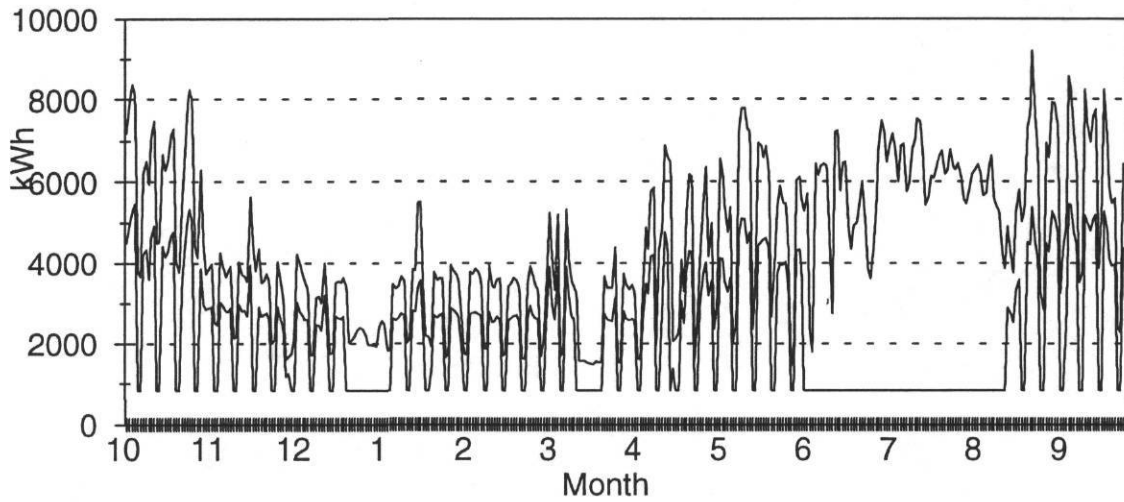


Figure A-1: The Measured and Efficient Daily Electricity Consumption Patterns at Dunbar Middle School (The Top Line is the Measured Consumption, and the Lower Line is the Efficient Pattern)

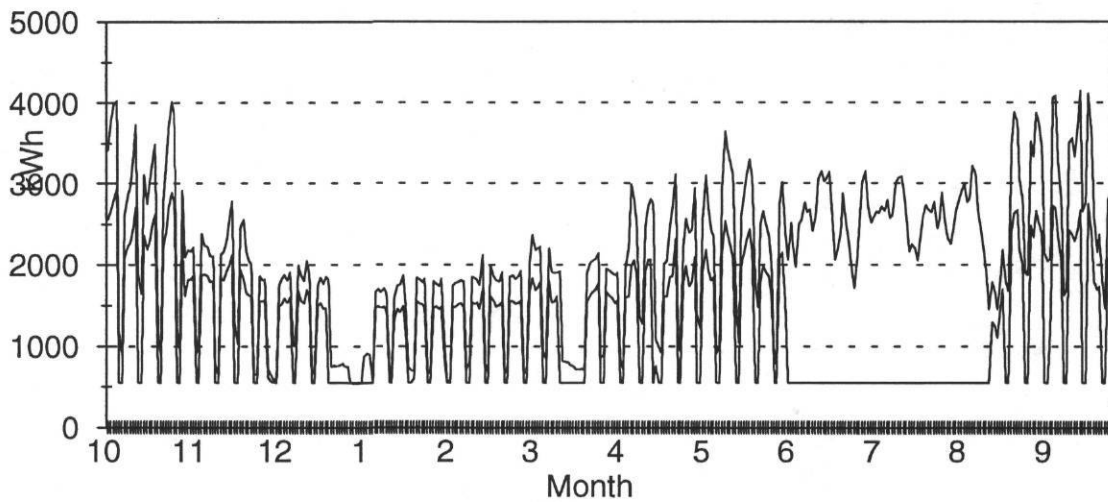


Figure A-2: The Measured and Efficient Daily Electricity Consumption Patterns at Sims Elementary School (The Top Line is the Measured Consumption, and the Lower Line is the Efficient Pattern)

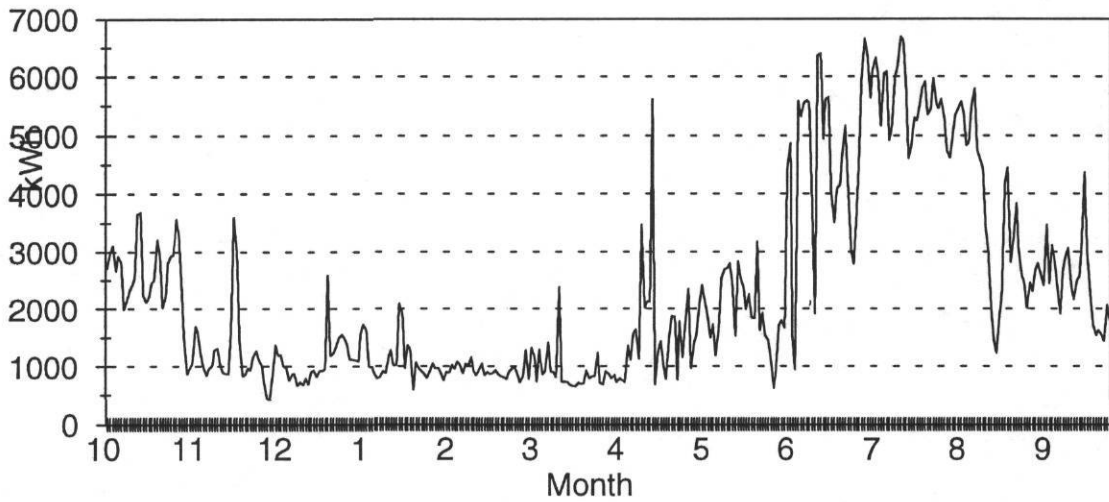


Figure A-3: The Maximum Daily Potential Electricity Savings Patterns at Dunbar Middle School

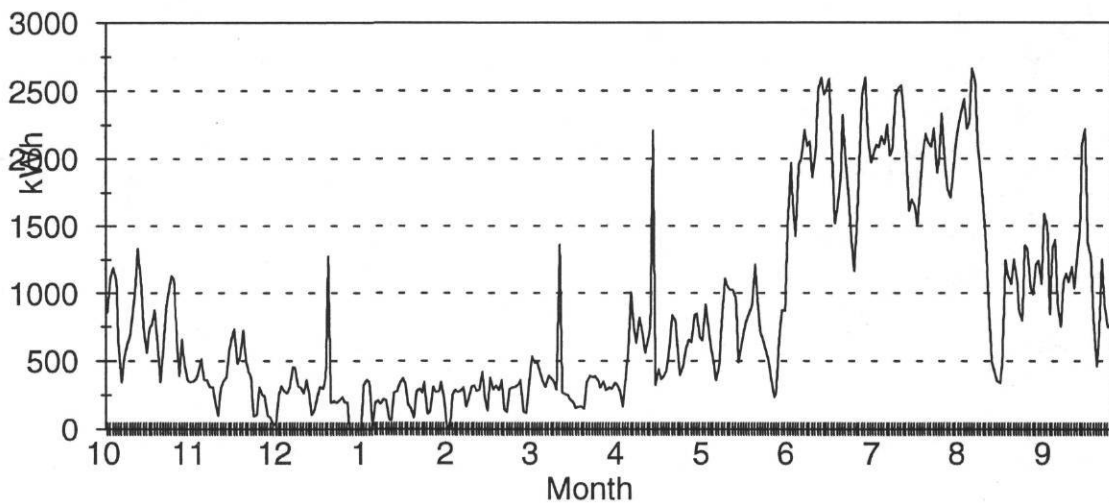


Figure A-4: The Maximum Daily Potential Electricity Savings Pattern at Sims Elementary School

Figures A-5 and A-6 show the daily measured and efficient operation gas consumption for Dunbar and Sims respectively. Figures A-7 and A-8 show the maximum

potential gas savings. These figures show that the majority of the savings come from the winter months.

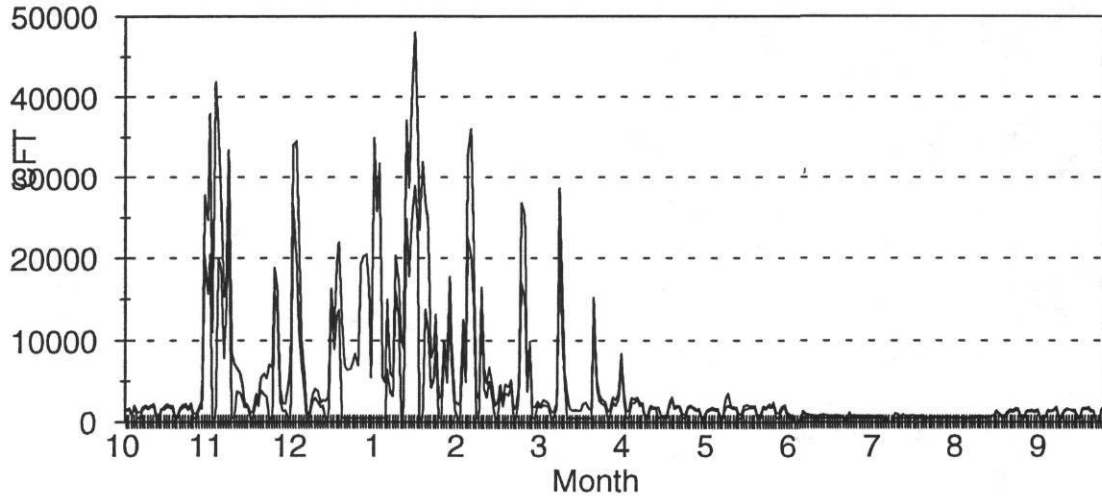


Figure A-5: The Measured and Efficient Daily Gas Consumption at Dunbar Middle School (The Top Line is the Measured Consumption and the Lower Line is the Efficient Consumption Pattern)

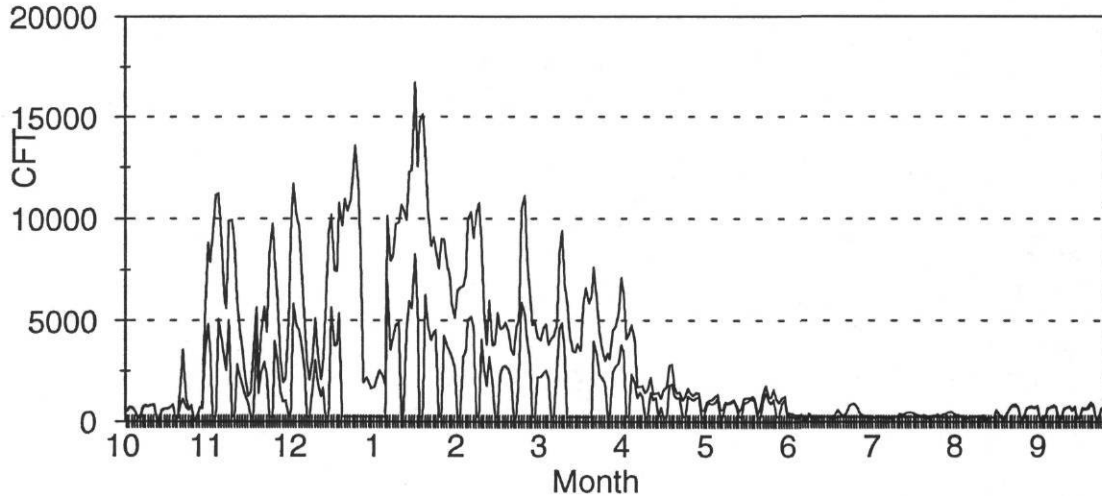


Figure A-6: The Measured and Efficient Daily Gas Consumption at Sims Elementary School (The Top Line is the Measured Consumption and the Lower Line is the Efficient Consumption Pattern)

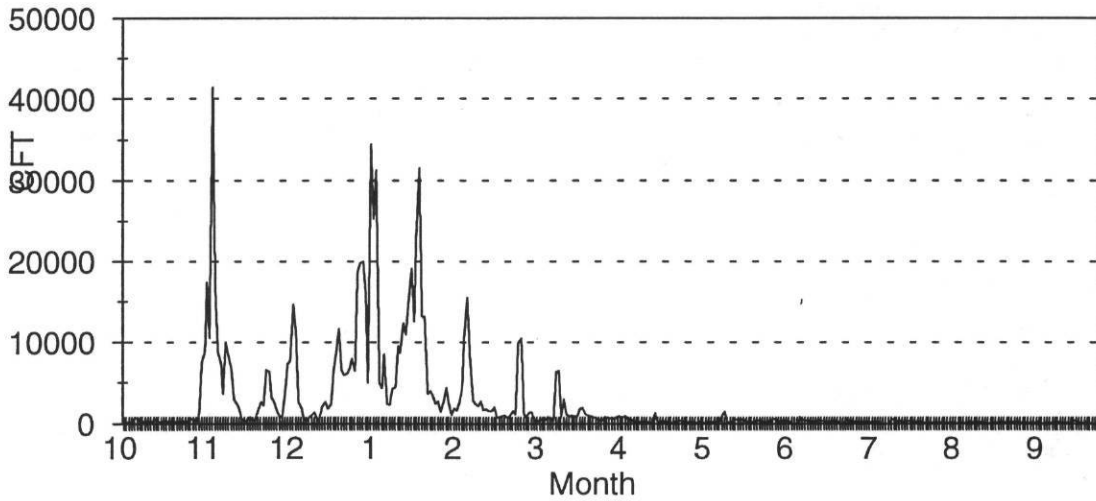


Figure A-7: The Daily Potential Gas Savings at Dunbar Middle School

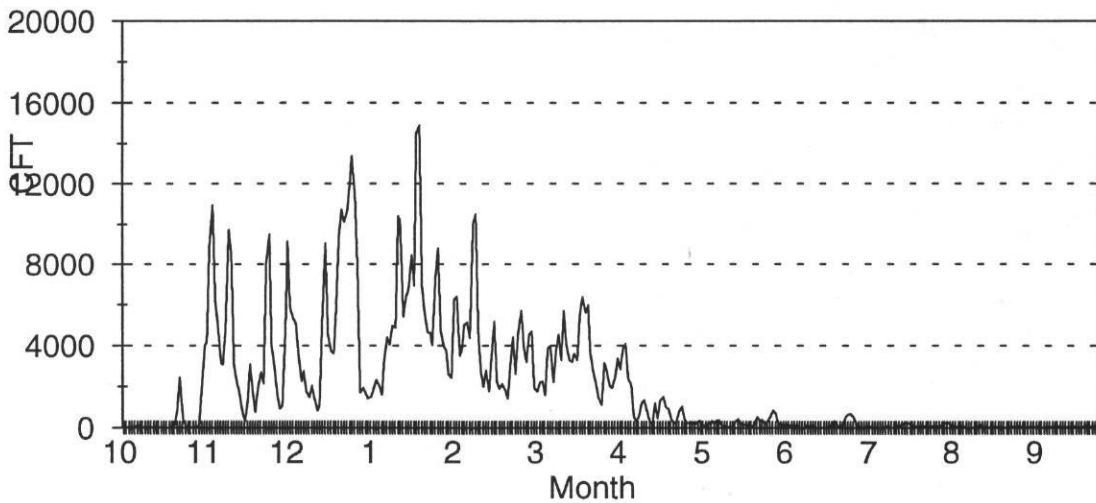


Figure A-8: The Daily Potential Gas Savings at Sims Elementary School

Table A-1 summarizes the energy performance during weekends and vacation days at Dunbar Middle school. Column 1 shows the month, column 2 the number of weekend and vacation days, column 3 the measured daily average electricity consumption during these weekend and vacation days, column 4 the measured gas consumption in ft³/day, column 5

the average daily electricity consumption under the efficient operation pattern, column 6 the average daily gas consumption under the efficient operation pattern, and columns 7 and 8 the electricity and gas savings, respectively.

Table A-1: Summary of Energy Performance During Weekends and Vacation Days at Dunbar Middle School

Month	Number of Days	Measured kWh	Measured ft ³	Efficient kWh	Efficient ft ³	Savings kWh	Savings ft ³
10	8	4,101	927	840	414	3,261	513
11	9	2,596	9,971	840	479	1,756	9,492
12	17	2,115	8,947	840	480	1,275	8,467
1	11	2,091	16,691	840	480	1,251	16,211
2	9	1,733	2,282	840	480	893	1,802
3	15	1,715	1,700	840	476	875	1,224
4	9	2,734	1,043	840	475	1,894	568
5	10	2,567	830	840	438	1,727	392
6	27	5,212	715	840	438	4,372	277
7	31	6,571	658	840	441	5,731	217
8	15	5,675	612	840	455	4,835	157
9	9	3,574	538	840	294	2,734	244

Table A-2 contains information similar to that in Table A-1 for Dunbar Middle School during weekdays.

Table A-2: Summary of Energy Performance During Weekdays at Dunbar Middle School

Month	Number of Days	Measured kWh	Measured ft ³	Efficient kWh	Efficient ft ³	Savings kWh	Savings ft ³
10	23	6,657	4,027	4,346	3,019	2,311	1,007
11	21	3,665	12,205	2,706	7,990	959	4,215
12	14	3,534	13,722	2,655	9,299	878	4,423
1	20	3,695	19,183	2,679	12,096	1,016	7,087
2	20	3,610	12,308	2,679	8,348	931	3,961
3	16	3,940	6,359	2,961	5,020	979	1,339
4	21	4,748	2,578	3,370	2,234	1,379	344
5	21	6,233	1,977	4,191	1,625	2,042	352
6	3	5,909	1,730	4,179	1,390	1,730	340
7							
8	15	5,716	1,103	3,059	901	2,658	202
9	21	7,044	1,482	4,670	1,334	2,374	148

Table A-3 summarizes the equivalent full load factor calculation. Column 1 lists the month, column 2 the average daily consumption during weekdays under the efficient operation pattern, column 3 the average daily consumption during weekend and vacation days, column 4 the electricity demand, which was adapted from the utility bills, column 5 the equivalent full load factor or the ratio of daily electricity consumption to the demand, and column 7 the equivalent full load factor for the weekend and vacation days.

Table A-3: Summary of Full Load Factor Calculation for Dunbar Middle School

Month	Weekdays kWh	Weekends kWh	Demand kWh	Weekday Full Load Factor	Weekend Full Load Factor
10	4,346	840	542	8.02	1.55
11	2,706	840	504	5.37	1.67
12	2,655	840	388	6.84	2.16
1	2,679	840	388	6.90	2.16
2	2,679	840	379	7.07	2.22
3	2,961	840	408	7.26	2.06
4	3,370	840	480	7.02	1.75
5	4,191	840	480	8.73	1.75
6	4,179	840	379	11.03	2.22
7		840	340	0.00	2.47
8	3,059	840	500	6.12	1.68
9	4,670	840	500	9.34	1.68

Table A-4 summarizes the energy performance during weekends and vacation days at Sims Elementary School. Column 1 shows the month, column 2 the number of weekend and vacation days, column 3 the measured daily average electricity consumption during these weekend and vacation days, column 4 the measured gas consumption in ft³/day, column 5 the average daily electricity consumption under the efficient operation pattern, column 6 the average daily gas consumption under the efficient operation pattern, and columns 7 and 8 the electricity and gas savings, respectively.

Table A-4: Summary of Energy Performance During Weekends and Vacation Days at Sims Elementary School

Month	Number of Days	Measured kWh	Measured ft ³	Efficient kWh	Efficient ft ³	Savings kWh	Savings ft ³
10	8	1,225	190	552	136	673	54
11		835	7,440	552	240	283	7,200
12	17	780	7,296	552	240	228	7,056
1	11	713	7,104	552	240	161	6,864
2	9	688	6,232	552	240	136	5,992
3	15	861	4,581	552	240	309	4,341
4	9	1,215	2,054	552	240	663	1,814
5	10	1,196	665	552	233	644	432
6	27	2,505	387	552	227	1,953	160
7	31	2,648	309	552	224	2,096	85
8	15	2,560	306	552	214	2,008	92
9	9	2,026	208	552	133	1,474	75

Table A-5 summarizes the energy performance during weekdays at Sims Elementary School. Column 1 shows the month, column 2 the number of weekend and vacation days, column 3 the measured daily average electricity consumption during these weekend and vacation days, column 4 the measured gas consumption in ft³/day, column 5 the average daily electricity consumption under the efficient operation pattern, column 6 the average daily gas consumption under the efficient operation pattern, and columns 7 and 8 the electricity and gas savings respectively.

Table A-5: Summary of Energy Performance During Weekdays at Sims Elementary School

Month	Number of Days	Measured kWh	Measured ft ³	Efficient kWh	Efficient ft ³	Savings kWh	Savings ft ³
10	23	3,191	1,443	2,400	999	791	445
11		2,063	5,302	1,682	2,695	381	2,608
12	14	1,855	6,846	1,558	3,535	297	3,311
1	20	1,651	9,719	1,386	4,785	265	4,934
2	20	1,851	6,710	1,539	3,433	312	3,277
3	16	2,061	5,303	1,677	2,882	385	2,421
4	21	2,341	2,621	1,771	1,648	571	973
5	21	2,828	1,191	2,066	1,000	762	191
6	3	2,720	963	1,917	800	803	163
7							
8	15	2,448	455	1,564	403	884	52
9	21	3,312	728	2,271	668	1041	60

Table A-6 summarizes the equivalent full load factor calculation for Sims Elementary School. Column 1 lists the month, column 2 the average daily consumption during weekdays, column 3 the average daily consumption during weekend and vacation days, column 4 the electricity demand, which was adapted from the utility bills, column 5 the equivalent full load factor of the efficient operation during weekdays or the ratio of daily electricity consumption to the demand, and column 7 the equivalent full load factor for the weekend and vacation days.

Table A-6: Summary of Full Load Factor Calculation for Sims Elementary School

Month	Weekdays kWh	Weekends kWh	Demand kWh	Weekday Full Load Factor	Weekend Full Load Factor
10	2,400	552	293	8.19	1.88
11	1,682	552	218	7.71	2.53
12	1,558	552	176	8.85	3.14
1	1,386	552	178	7.78	3.10
2	1,539	552	186	8.27	2.97
3	1,677	552	190	8.82	2.91
4	1,771	552	207	8.55	2.67
5	2,066	552	245	8.43	2.25
6	1,917	552	202	9.49	2.73
7		552	181	0.00	3.05
8	1,564	552	280	5.59	1.97
9	2,271	552	287	7.91	1.92

Table A-7 summarizes the potential annual electricity and gas savings at Dunbar Middle School. The table shows that the weekend total cost savings are \$38,585 or 64% of the total annual savings of \$60,348. To correct the impact of the weekend occupancy on the total potential savings in the main report, it was assumed that the potential savings of weekend and vacation during daytime and evening is 60% of the total potential savings. Table A-7 also shows that the annual potential gas savings are \$4,094 or 6.8% of the potential electricity savings.

Table A-7: Summary of the Annual Potential Savings at Dunbar Middle School

Period	Electricity Savings		Gas Savings		Total
	kWh	\$	ft ³	\$	\$
Weekends	540,833	\$36,452	475,275	\$2,133	\$38,585
Weekdays	293,827	\$19,804	436,536	\$1,960	\$21,764
Total	834,660	\$56,255	911,811	\$4,093	\$60,348

Table A-8 summarizes the potential annual electricity and gas savings at Sims Elementary School. The table shows that the total cost savings of weekend and vacation days are \$15,220 or 63% of the total annual savings of \$24,064. To correct the impact of the weekend occupancy on the total potential savings in the main report, it was assumed that the potential savings of weekend and vacation during daytime and evening are 60% of the total potential savings. Table A-8 also shows that the annual potential gas savings are \$3,771 or 14.0% of the potential electricity savings.

Table A-8: Summary of the Annual Potential Savings at Sims Elementary School

Period	Electricity Savings		Gas Savings		Total
	kWh	\$	ft ³	\$	\$
Weekends	198,512	\$13,380	409,700	\$1,840	\$15,220
Weekdays	108,513	\$7,313	340,990	\$1,531	\$8,844
Total	307,025	\$20,693	750,690	\$3,371	\$24,064

Figures A-9 and A-10 show the optimized electricity consumption and measured electricity consumption pattern. The optimized electricity consumption is deduced by introducing weekend and vacation occupancy and nighttime shut-down penalty. The

Figures show that the daily weekend and vacation savings are slightly higher than weekday savings.

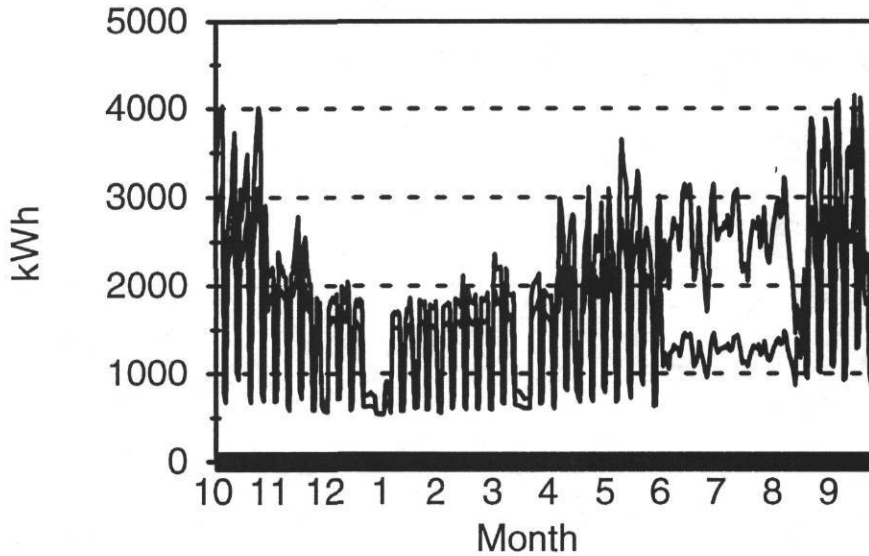


Figure 9: The Optimized and Measured Daily Electricity Consumption at Sims Elementary School

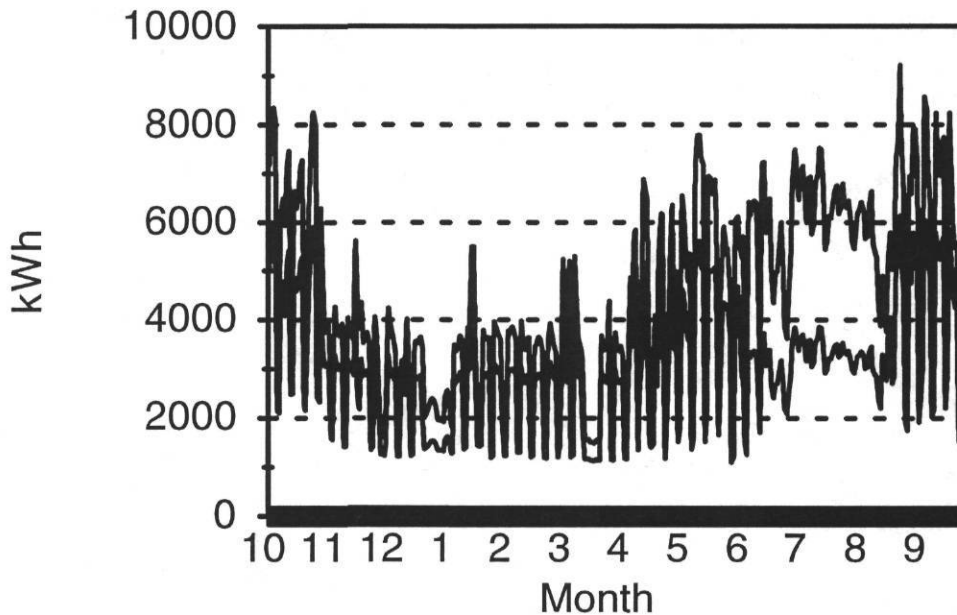


Figure 9: The Optimized and Measured Daily Electricity Consumption at Dunbar Middle School

APPENDIX B

This appendix provides detailed information about the potential electricity savings calculation and results. The calculation results are summarized in a single table for each school. The table contains the following information:

Column 1 - the begin date of the billing period; the next row at the same column serves as the end date of the billing period (from utility bill)

Column 2 - the electricity consumption in kWh during the billing period (from utility bill)

Column 3 - the demand during the billing period (from billing data)

Column 4 - the electricity cost during the billing period (from utility bills)

Column 5 - the potential electricity savings based on the efficient pattern at Dunbar Middle School ($C5=C2-[C9 \times C11 + C10 \times C12] \times C3$)

Column 6 - the potential electricity savings based on the efficient pattern at Sims Elementary School ($C6=C2-[C9 \times C13 + C10 \times C14] \times C3$)

Column 7 - the potential cost savings based on the efficient pattern at Dunbar Middle School ($C7=0.68 \times C5 \times C4 / C2$)

Column 8 - the potential cost savings based on the efficient pattern at Sims Elementary School ($C8=0.72 \times C6 \times C4 / C2$)

Column 9 - the number of weekdays during the billing period

Column 10 - the number of weekend and vacation days during the billing period

Column 11 - the equivalent full load factor of weekdays during the billing period based on the efficient pattern at Dunbar Middle School

Column 12 - the equivalent full load factor of weekend and vacation days during the billing period based on the efficient pattern at Dunbar Middle School

Column 13 - the equivalent full load factor of weekdays during the billing period based on the efficient pattern at Sims Elementary School

Column 14 - the equivalent full load factor of weekend and vacation days during the billing period based on the efficient pattern at Sims Elementary School

The last row of the table contains the annual totals except for column 2 which shows the maximum demand of the year.

Note that negative savings is projected occasionally. The total savings in the attached table is the sum of the savings for twelve months. However the annual savings is taken as the sum of the positive savings only and the negative savings is treated as zero savings. It is worth noting that the projected savings tends to be conservative if a negative savings is projected in a month or few months in the school.

Note that billing data were replaced with the data in the closest month in a few cases where the utility billing data were not available.

The Table of Contents for the schools listed in the remainder of this Appendix is listed below.

Woodway Elementary School	37
Worth Heights Elementary School.....	38
No-Hi Mount Elementary	39
Morningside Elementary School	40
Manuel Jara Elementary School.....	41
Denver Evenue Elementary School.....	42
Geo C Clark Elementary School.....	43
W J Turner Elementary	44
Arlinton Heights Elementary School.....	45
So Hi Mount Elementary School	46

D K Sellers Elementary School..... 47

South Fort Worth Elementary School..... 48

Oaklawn Elementary School..... 49

Forest Hill Elementary School 50

Westcliff Elementary School..... 51

Luella Merrit Elementary School..... 52

Metchell Blvd Elementary School..... 53

Carter Park Elementary School 54

Burton Road Elementary School 55

W M Green Elementary..... 56

Wavely Park Elementary School..... 57

A M Pate Elementary School 58

Van Zandt Guinn Elementary School..... 59

West Park Elementary School 60

Bendbrook Elementary School..... 61

Carrol Peak Elementary School..... 62

E J Brisco Elementary 63

Western Hill Elementary School..... 64

Stripling Middle School..... 65

J P Elder Middle School..... 66

Morningside Middle School..... 67

Leonard Middle School..... 68

Northside High School..... 69

Arlington Hights High School 70

West Hill High School..... 71

O D Wyatt High School	72
M G Ellis Elementary School	73
D Macrae Elementary School.....	74
Springdale Elementary.....	75
De Zavala Elementary School.....	76
Charles E Nash Elementary School.....	77
E M Daggatt Elementary School	78
Lilly B Clayton Elementary School.....	79
T A Sims Elementary School.....	80
Sagamore Hill Elementary School	81
Diamond Hill Evenue Elementary School	82
Washington Hights Elementary School.....	83
Hubbard Elementary School.....	84
A E Cartson Elementary School	85
Oakhurst Elementary School	86
East handley Elementary School.....	87
Meadowbrook Middle School	88
H V Helbing Elementary School.....	89
S S Dillow Elementary School.....	90
J T Stephens Elementary School.....	91
Phillps Elementary School	92
Bluebonnet Elementary School.....	93
Glen Park Elementary School.....	94
West Handley Elementary School.....	95
South Hill Elementary School.....	96

M H Moore Elementary School..... 97

Ridglea Hill Elementary School 98

Greenbria Elementary School 99

Eastland Elementaru School 100

Eastern Hill Elementary School 101

Tanglewood Elementary School 102

Bruce Shulkey Elementary School..... 103

Kirkpatrik Elementary School 104

Como Elementary School..... 105

Versia Williams Elementary..... 106

Maude I Logan Elementary School..... 107

G W Carver Elementary School..... 108

Maudrie Walton Elementary School 109

Sunrise Elementary School..... 110

Westcreek Elementary School 111

Atwood McDonald Elementary School 112

Bill J Elliott Elementary School..... 113

Mclean Middle School..... 114

Rosemont Middle School 115

Daggett Middle School 116

WM James Middle School..... 117

Meadowbrook Middle School 118

Riverside Middle School 119

Morning Middle School..... 120

Forest Oak Middle School..... 121

Wedwood Middle School..... 122

New Handley Middle School..... 123

Dunbar 5 6 Grade School..... 124

Meacham Middle School..... 125

Glencrest Midle School..... 126

Dunbar Middle School..... 127

Southwest High School..... 128

B H Carroll Elementary School..... 129

Pascal High School..... 130

J P Moore Elementary School..... 131

Polytechnic High School..... 132

Carter Riverside High School..... 133

Eastern Hill High School..... 134

Trimble Tech High School..... 135

Dunbar High School..... 136

Bonnie Brae Elementary School..... 137

Kirkpartrik 5 6 Grade..... 138

Como Middle School..... 139

Woodway Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/10/91	47880	118	3575	37804	39717	1891	2135	0	28	0.00	3.05	0.00	2.47
08/07/91	60900	247	4552	32894	32011	1647	1723	15	15	5.59	1.97	6.12	1.68
09/06/91	70740	242	5263	21115	13877	1053	743	23	12	7.91	1.92	9.34	1.68
10/08/91	56760	218	3520	15973	17349	664	775	21	8	8.19	1.88	8.02	1.55
11/06/91	52320	181	3243	18438	28962	766	1293	20	13	7.71	2.53	5.37	1.67
12/09/91	37800	187	2350	7375	15157	307	678	12	18	8.85	3.14	6.84	2.16
01/08/92	44880	187	2791	10546	15415	439	690	20	9	7.78	3.10	6.90	2.16
02/06/92	47280	191	2945	9560	15543	399	697	21	8	8.27	2.97	7.07	2.22
03/06/92	38160	196	2368	1946	9351	81	418	16	15	8.82	2.91	7.26	2.06
04/06/92	48900	190	3029	11833	19232	491	858	20	9	8.55	2.67	7.02	1.75
05/05/92	54360	207	4058	12224	11700	611	629	22	8	8.43	2.25	8.73	1.75
06/04/92	49560	112	3684	39460	41368	1965	2214	0	33	9.49	2.73	11.03	2.22
07/07/92	609540	247	41378	219168	259682	14878	17628	190	176	90	31	84	23

Woodway Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/10/91	47880	118	3575	37804	39717	1891	2135	0	28	0.00	3.05	0.00	2.47
08/07/91	60900	247	4552	32894	32011	1647	1723	15	15	5.59	1.97	6.12	1.68
09/06/91	70740	242	5263	21115	13877	1053	743	23	12	7.91	1.92	9.34	1.68
10/08/91	56760	218	3520	15973	17349	664	775	21	8	8.19	1.88	8.02	1.55
11/06/91	52320	181	3243	18438	28962	766	1293	20	13	7.71	2.53	5.37	1.67
12/09/91	37800	187	2350	7375	15157	307	678	12	18	8.85	3.14	6.84	2.16
01/08/92	44880	187	2791	10546	15415	439	690	20	9	7.78	3.10	6.90	2.16
02/06/92	47280	191	2945	9560	15543	399	697	21	8	8.27	2.97	7.07	2.22
03/06/92	38160	196	2368	1946	9351	81	418	16	15	8.82	2.91	7.26	2.06
04/06/92	48900	190	3029	11833	19232	491	858	20	9	8.55	2.67	7.02	1.75
05/05/92	54360	207	4058	12224	11700	611	629	22	8	8.43	2.25	8.73	1.75
06/04/92	49560	112	3684	39460	41368	1965	2214	0	33	9.49	2.73	11.03	2.22
07/07/92	609540	247	41378	219168	259682	14878	17628	190	176	90	31	84	23

Worth Heights Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/23/91	71700	184	5412	57854	58653	2926	3188	5	24	5.59	1.97	6.12	1.68
08/21/91	95460	195	7445	57391	51789	2999	2908	22	11	7.91	1.92	9.34	1.68
09/23/91	60600	241	4733	15510	17031	812	958	21	8	8.19	1.88	8.02	1.55
10/22/91	35880	242	2457	-6357	6666	-292	329	20	8	7.71	2.53	5.37	1.67
11/19/91	25560	109	1846	2499	8046	121	418	20	11	8.85	3.14	6.84	2.16
12/20/91	17460	130	1291	-2138	1677	-106	89	11	21	7.78	3.10	6.90	2.16
01/21/92	24540	134	1751	-3032	1327	-145	68	22	8	8.27	2.97	7.07	2.22
02/20/92	30258	130	2217	-4841	2125	-238	112	25	17	8.82	2.91	7.26	2.06
04/02/92	41904	174	2746	5542	12903	243	609	21	11	8.55	2.67	7.02	1.75
05/04/92	59454	239	4616	10804	10199	562	570	22	8	8.43	2.25	8.73	1.75
06/03/92	64782	165	4950	51042	53089	2613	2921	1	27	9.49	2.73	11.03	2.22
07/01/92	64782	165	4950	49183	52145	2518	2869	0	31	0.00	3.05	0.00	2.47
	592380	242	44414		275651		20667	190	185				

No-Hi Mount Elementary

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/29/91	48624	176	3638	32834	33021	1646	1779	9	20	5.59	1.97	6.12	1.68
08/27/91	64992	186	4865	31981	27124	1604	1462	20	10	7.91	1.92	9.34	1.68
09/26/91	40848	173	3054	40848	40848	2046	2199	0	0	8.19	1.88	8.02	1.55
10/25/91	25584	165	1603	-5322	4230	-223	191	21	10	7.71	2.53	5.37	1.67
11/25/91	20544	111	1291	-750	4546	-32	206	16	16	8.85	3.14	6.84	2.16
12/27/91	21504	116	1351	1300	4672	55	211	16	16	7.78	3.10	6.90	2.16
01/28/92	21360	113	1344	-956	2584	-40	117	21	8	8.27	2.97	7.07	2.22
02/26/92	18000	134	1137	-3615	800	-153	36	14	13	8.82	2.91	7.26	2.06
03/24/92	34128	142	2128	5210	10958	218	492	21	9	8.55	2.67	7.02	1.75
04/23/92	47664	158	2961	16834	16482	701	737	21	8	8.43	2.25	8.73	1.75
05/22/92	42624	155	3193	20066	19683	1007	1062	9	22	9.49	2.73	11.03	2.22
06/22/92	51024	103	3800	41286	43135	2060	2313	0	31	0.00	3.05	0.00	2.47
07/22/92	436896	186	30364		208082		14461	168	163				

Morningside Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/19/91	90924	366	6813	64586	66991	3242	3614	3	28	5.59	1.97	6.12	1.68
08/19/91	135936	470	10179	49706	36647	2494	1976	21	9	7.91	1.92	9.34	1.68
09/18/91	98580	436	7367	13434	16262	673	875	22	8	8.19	1.88	8.02	1.55
10/18/91	76476	421	4775	-2381	21990	-100	989	21	10	7.71	2.53	5.37	1.67
11/18/91	57288	352	3588	-14069	3138	-590	142	19	11	8.85	3.14	6.84	2.16
12/18/91	45336	337	2854	-4957	4283	-209	194	12	18	7.78	3.10	6.90	2.16
01/17/92	56544	337	3550	-13009	-1693	-547	-77	21	11	8.27	2.97	7.07	2.22
02/18/92	45636	326	2869	-6073	3759	-256	170	16	6	8.82	2.91	7.26	2.06
03/11/92	47472	324	2981	-8107	3709	-341	168	16	13	8.55	2.67	7.02	1.75
04/09/92	77604	339	4836	9165	8921	383	400	21	11	8.43	2.25	8.73	1.75
05/11/92	79440	418	5961	-4531	-13721	-228	-741	18	11	9.49	2.73	11.03	2.22
06/09/92	67368	326	5040	21634	30319	1084	1633	0	46	0.00	3.05	0.00	2.47
07/22/92	878604	470	60813					190	182				

Manuel Jara Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/26/91	74940	217	5587	55401	55936	2767	3002	8	23	5.59	1.97	6.12	1.68
08/26/91	92280	300	6890	37240	28904	1863	1554	21	9	7.91	1.92	9.34	1.68
09/25/91	71100	283	5290	20470	22207	1020	1190	20	8	8.19	1.88	8.02	1.55
10/24/91	55800	136	3460	31015	38652	1289	1726	21	8	7.71	2.53	5.37	1.67
11/22/91	47640	201	2955	8561	18165	356	811	17	14	8.85	3.14	6.84	2.16
12/23/91	46560	196	2891	11516	17775	479	795	15	20	7.78	3.10	6.90	2.16
01/27/92	46560	209	2895	5285	11832	220	530	21	8	8.27	2.97	7.07	2.22
02/25/92	39480	217	2460	4477	11627	187	522	14	13	8.82	2.91	7.26	2.06
03/23/92	60000	245	3715	10107	20023	419	893	21	9	8.55	2.67	7.02	1.75
04/22/92	70080	203	4334	32182	31789	1333	1416	20	8	8.43	2.25	8.73	1.75
05/20/92	70320	249	5245	26993	25229	1349	1355	12	22	9.49	2.73	11.03	2.22
06/22/92	63900	162	4746	49078	51893	2442	2775	0	30		3.05		2.47
07/22/92	738660	300	50467	292324	334033	19972	22822	190	172				

Denver Evenue Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/19/91	44674	162	3324	33921	35072	1691	1879	2	28	5.59	1.97	6.12	1.68
08/19/91	74256	162	5521	43252	38520	2154	2062	22	9	7.91	1.92	9.34	1.68
09/18/91	49448	198	3673	14025	15241	698	815	20	8	8.19	1.88	8.02	1.55
10/17/91	43389	228	2690	1838	14642	76	654	21	8	7.71	2.53	5.37	1.67
11/15/91	39217	180	2429	1598	10747	66	479	19	13	8.85	3.14	6.84	2.16
12/17/91	31373	180	1950	3109	8203	130	367	13	18	7.78	3.10	6.90	2.16
01/17/92	39794	204	2472	-621	5983	-26	268	20	11	8.27	2.97	7.07	2.22
02/17/92	36200	180	2254	-777	6565	-32	294	19	13	8.82	2.91	7.26	2.06
03/20/92	39191	204	2428	-9764	180	-405	8	24	13	8.55	2.67	7.02	1.75
04/21/92	53602	264	3314	9958	9339	413	416	18	6	8.43	2.25	8.73	1.75
05/20/92	37344	258	2790	-2985	-4816	-149	-259	11	19	9.49	2.73	11.03	2.22
06/19/92	28912	258	2155	3733	8514	186	457	0	32	7.54	3.05	8.58	2.47
07/21/92	517401	264	35001					189	178				

Geo C Clark Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/25/91	39880	232	2988	22422	23430	1126	1264	5	24	5.59	1.97	6.12	1.68
08/23/91	67640	172	5062	33362	28092	1673	1514	23	9	7.91	1.92	9.34	1.68
09/24/91	52720	264	3934	3326	4993	166	268	21	8	8.19	1.88	8.02	1.55
10/24/91	33880	149	2115	7875	15893	329	714	20	8	7.71	2.53	5.37	1.67
11/21/91	31040	183	1938	-6159	2952	-258	133	18	14	8.85	3.14	6.84	2.16
12/23/91	24720	191	1550	-5271	134	-221	6	13	18	7.78	3.10	6.90	2.16
01/23/92	32440	148	2030	1109	6146	46	277	22	10	8.27	2.97	7.07	2.22
02/24/92	26640	102	1674	5094	9427	214	427	19	15	8.82	2.91	7.26	2.06
03/29/92	37680	174	2347	2246	9288	94	417	21	9	8.55	2.67	7.02	1.75
04/28/92	46960	174	2909	13008	12620	540	563	21	8	8.43	2.25	8.73	1.75
05/27/92	29840	134	2250	13788	14143	697	768	6	23	9.49	2.73	11.03	2.22
06/25/92	24080	118	1806	13284	15334	667	828	0	30		3.05		2.47
07/28/92	447520	264	30603		142452		9741	189	176				

W J Turner Elementary

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/19/91	50848	190	3848	40360	41910	2046	2283	0	28	5.59	1.97	6.12	1.68
08/16/91	61956	254	4683	11336	3553	574	193	23	9	7.91	1.92	9.34	1.68
09/17/91	39777	151	3019	12762	13689	649	748	20	8	8.19	1.88	8.02	1.55
10/16/92	46274	242	2925	2171	15761	92	717	21	8	7.71	2.53	5.37	1.67
11/14/91	34636	240	2205	-15522	-3323	-662	-152	19	13	8.85	3.14	6.84	2.16
12/16/91	36460	201	2320	3334	9199	142	421	14	18	7.78	3.10	6.90	2.16
01/17/92	35349	189	2176	-2095	4024	-86	178	20	11	8.27	2.97	7.07	2.22
02/17/92	37634	235	2414	-18227	-7139	-783	-330	22	15	8.82	2.91	7.26	2.06
03/25/92	38151	240	2421	-8671	675	-369	31	20	9	8.55	2.67	7.02	1.75
04/23/92	53882	259	3389	-2191	-2662	-92	-121	23	10	8.43	2.25	8.73	1.75
05/26/92	38582	198	2937	14066	14082	717	772	7	21	9.49	2.73	11.03	2.22
06/23/92	45559	193	3441	30255	33162	1531	1803	0	26		3.05		2.47
07/23/92	519108	259	35779					189	176				

Arlinton Heights Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/24/91	35400	181	2655	21779	22566	1094	1219	5	24	5.59	1.97	6.12	1.68
08/22/91	33912	171	2549	857	-4097	43	-222	22	10	7.91	1.92	9.34	1.68
09/23/91	20856	150	1570	-5980	-5059	-302	-274	20	8	8.19	1.88	8.02	1.55
10/22/91	15768	132	997	-7270	-167	-308	-8	20	8	7.71	2.53	5.37	1.67
11/19/91	14640	75	926	-1228	2589	-52	118	20	11	8.85	3.14	6.84	2.16
12/20/91	9912	68	635	-869	1187	-37	55	12	21	7.78	3.10	6.90	2.16
01/22/92	14184	91	900	-3787	-937	-161	-43	21	8	8.27	2.97	7.07	2.22
02/20/92	13896	98	884	-3641	-105	-155	-5	16	13	8.82	2.91	7.26	2.06
03/20/92	30528	98	1906	10048	14194	420	638	21	11	8.55	2.67	7.02	1.75
04/21/92	16776	145	1385	-11517	-11841	-637	-704	21	8	8.43	2.25	8.73	1.75
05/20/92	24360	149	1835	1069	12	54	1	11	19	9.49	2.73	11.03	2.22
06/19/92	25704	145	1926	10227	13166	513	710	0	35		3.05		2.47
07/21/92	255936	181	18169					189	176				

So Hi Mount Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/22/91	44784	176	3368	32176	33086	1621	1791	4	25	5.59	1.97	6.12	1.68
08/20/91	68752	272	5160	20478	13375	1030	723	20	10	7.91	1.92	9.34	1.68
09/19/91	46712	233	3504	2088	3443	105	186	22	6	8.19	1.88	8.02	1.55
10/18/91	33376	251	2098	-10431	3076	-439	139	20	8	7.71	2.53	5.37	1.67
11/15/91	25720	206	1625	-19156	-8272	-811	-376	20	13	8.85	3.14	6.84	2.16
12/18/91	21864	158	1388	-3186	1590	-136	73	12	21	7.78	3.10	6.90	2.16
01/20/92	23704	167	1504	-9276	-4045	-394	-185	21	8	8.27	2.97	7.07	2.22
02/18/92	23352	198	1485	-15000	-7402	-639	-339	18	12	8.82	2.91	7.26	2.06
03/19/92	27992	238	1764	-16404	-7501	-693	-340	19	9	8.55	2.67	7.02	1.75
04/16/92	44488	198	2780	4515	4372	189	197	21	11	8.43	2.25	8.73	1.75
05/18/92	46368	217	3487	8921	6603	449	357	13	18	9.49	2.73	11.03	2.22
06/18/92	46144	165	3454	31551	34322	1582	1850	0	29		3.05		2.47
07/17/92	453256	272	31616					190	170				

D K Sellers Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/25/91	89904	274	6707	64692	65447	3234	3515	8	24	5.59	1.97	6.12	1.68
08/26/91	103488	305	7733	49944	41905	2500	2255	20	9	7.91	1.92	9.34	1.68
09/24/91	73944	294	5509	21346	23151	1066	1242	20	8	8.19	1.88	8.02	1.55
10/23/91	50592	243	3147	6306	19953	263	894	21	8	7.71	2.53	5.37	1.67
11/21/91	49536	243	3080	140	12239	6	548	18	14	8.85	3.14	6.84	2.16
12/23/91	38784	150	2419	15231	19475	636	875	13	18	7.78	3.10	6.90	2.16
01/23/92	43656	245	2723	-8209	129	-343	6	22	10	8.27	2.97	7.07	2.22
02/24/92	25224	144	1586	725	5696	31	258	15	13	8.82	2.91	7.26	2.06
03/23/92	41784	279	2600	-15033	-3740	-627	-168	21	9	8.55	2.67	7.02	1.75
04/22/92	56808	306	3524	-2900	-3583	-121	-160	21	8	8.43	2.25	8.73	1.75
05/21/92	54216	259	4055	14065	13026	705	701	10	22	9.49	2.73	11.03	2.22
06/22/92	51840	232	3861	30614	34645	1528	1858	0	30		3.05		2.47
07/22/92	679776	306	46944					189	173				

South Fort Worth Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/29/91	60000	228	4484	38271	38392	1916	2066	10	20	5.59	1.97	6.12	1.68
08/28/91	56400	240	4225	15704	9779	788	527	19	10	7.91	1.92	9.34	1.68
09/26/91	43200	216	3228	4149	5548	208	298	20	9	8.19	1.88	8.02	1.55
10/25/91	32400	180	2024	-1316	9104	-55	409	21	10	7.71	2.53	5.37	1.67
11/25/91	27600	120	1726	4956	10564	208	476	16	15	8.85	3.14	6.84	2.16
12/26/91	27600	120	1728	8195	11584	344	522	14	17	7.78	3.10	6.90	2.16
01/27/92	30000	144	1878	-821	4037	-34	182	23	8	8.27	2.97	7.07	2.22
02/26/92	27600	192	1733	-8453	-1224	-356	-55	17	13	8.82	2.91	7.26	2.06
03/27/92	39600	216	2465	-5539	3599	-231	161	21	11	8.55	2.67	7.02	1.75
04/28/92	45600	228	2833	1112	603	46	27	21	8	8.43	2.25	8.73	1.75
05/27/92	48000	216	3582	21534	22219	1077	1194	6	24	9.49	2.73	11.03	2.22
'06/26/92	50640	193	3772	32394	35858	1617	1923	0	31		3.05		2.47
07/27/92	488640	240	33678					188	176				

Oaklawn Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/18/91	46848	149	3506	38329	39589	1922	2133	0	29	5.59	1.97	6.12	1.68
08/16/92	66000	210	4940	24149	17714	1211	955	23	9	7.91	1.92	9.34	1.68
09/17/91	45408	202	3391	9269	10509	464	565	20	8	8.19	1.88	8.02	1.55
10/16/91	34272	166	2139	2739	12450	115	559	22	8	7.71	2.53	5.37	1.67
11/15/91	32544	133	2031	4748	11508	199	517	19	13	8.85	3.14	6.84	2.16
12/17/91	28224	127	1766	8282	11876	347	535	13	18	7.78	3.10	6.90	2.16
01/17/92	32016	109	2003	10421	13950	437	628	20	11	8.27	2.97	7.07	2.22
02/17/92	25536	109	1602	7285	10743	306	485	17	6	8.82	2.91	7.26	2.06
03/11/92	27312	146	1707	2267	7592	95	342	16	13	8.55	2.67	7.02	1.75
04/09/92	38640	189	2404	2504	2328	104	104	20	10	8.43	2.25	8.73	1.75
05/09/92	43440	207	3253	-674	-5436	-34	-293	19	12	9.49	2.73	11.03	2.22
06/09/92	45408	131	3384	33023	35375	1649	1898	0	31		3.05		2.47
07/10/92	465648	210	32126					189	168				

Forest Hill Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/25/91	27984	123	2104	18728	19263	943	1043	5	24	5.59	1.97	6.12	1.68
08/23/91	47856	186	3588	10788	5089	542	275	23	9	7.91	1.92	9.34	1.68
09/24/91	34944	177	2616	1828	2945	92	159	21	8	8.19	1.88	8.02	1.55
10/23/91	30720	164	1919	832	10042	35	452	21	8	7.71	2.53	5.37	1.67
11/21/91	24240	115	1518	863	6589	36	297	18	14	8.85	3.14	6.84	2.16
12/23/91	20400	126	1283	-366	3311	-15	150	14	18	7.78	3.10	6.90	2.16
01/24/92	23472	198	1475	-16805	-10306	-708	-466	21	10	8.27	2.97	7.07	2.22
02/24/92	17952	100	1135	939	4391	40	200	15	13	8.82	2.91	7.26	2.06
03/23/92	24336	121	1524	-305	4592	-13	207	21	9	8.55	2.67	7.02	1.75
04/22/92	31296	158	1951	466	114	19	5	21	8	8.43	2.25	8.73	1.75
05/21/92	25680	136	1933	4597	4051	232	220	10	22	9.49	2.73	11.03	2.22
06/22/92	21888	93	1643	13379	14995	673	810	0	30		3.05		2.47
07/22/92	330768	198	22689					190	173				

Westcliff Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/25/91	27984	123	2104	18728	19263	943	1043	5	24	5.59	1.97	6.12	1.68
08/23/91	47856	186	3588	10788	5089	542	275	23	9	7.91	1.92	9.34	1.68
09/24/91	34944	177	2616	1828	2945	92	159	21	8	8.19	1.88	8.02	1.55
10/23/91	30720	164	1919	832	10042	35	452	21	8	7.71	2.53	5.37	1.67
11/21/91	24240	115	1518	863	6589	36	297	18	14	8.85	3.14	6.84	2.16
12/23/91	20400	126	1283	-366	3311	-15	150	14	18	7.78	3.10	6.90	2.16
01/24/92	23472	198	1475	-16805	-10306	-708	-466	21	10	8.27	2.97	7.07	2.22
02/24/92	17952	100	1135	939	4391	40	200	15	13	8.82	2.91	7.26	2.06
03/23/92	24336	121	1524	-305	4592	-13	207	21	9	8.55	2.67	7.02	1.75
04/22/92	31296	158	1951	466	114	19	5	21	8	8.43	2.25	8.73	1.75
05/21/92	25680	136	1933	4597	4051	232	220	10	22	9.49	2.73	11.03	2.22
06/22/92	21888	93	1643	13379	14995	673	810	0	30		3.05		2.47
07/22/92	330768	198	22689					190	173				

Luella Merrit Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/22/91	48144	167	3602	36181	37044	1814	1995	4	25	5.59	1.97	6.12	1.68
08/20/91	56520	271	4233	8423	1346	423	73	20	10	7.91	1.92	9.34	1.68
09/19/91	38640	216	2890	403	1657	20	89	20	7	8.19	1.88	8.02	1.55
10/17/91	39624	219	2469	-3086	10105	-129	453	22	10	7.71	2.53	5.37	1.67
11/18/91	28296	213	1769	-14883	-4471	-623	-201	19	11	8.85	3.14	6.84	2.16
12/18/91	26664	154	1670	2249	6904	94	311	12	21	7.78	3.10	6.90	2.16
01/20/92	28008	145	1755	-627	3915	-26	177	21	8	8.27	2.97	7.07	2.22
02/18/92	27120	161	1704	-3130	2776	-132	126	18	10	8.82	2.91	7.26	2.06
03/17/92	29088	145	1817	2507	7975	105	359	18	11	8.55	2.67	7.02	1.75
04/15/92	40344	213	2509	-1697	-2066	-71	-92	21	9	8.43	2.25	8.73	1.75
05/15/92	34752	181	2608	1800	-412	91	-22	14	18	9.49	2.73	11.03	2.22
06/16/92	36984	187	2761	19875	23124	994	1243	0	30		3.05		2.47
	434184	271	29787					189	170				

Metchell Blvd Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/18/91	24792	130	1866	15181	16073	766	871	3	29	5.59	1.97	6.12	1.68
08/19/91	49248	148	3692	23266	19365	1169	1045	20	9	7.91	1.92	9.34	1.68
09/17/91	37920	72	2836	26218	26636	1314	1434	18	8	8.19	1.88	8.02	1.55
10/16/91	36672	96	2287	18436	24052	770	1080	22	8	7.71	2.53	5.37	1.67
11/15/91	27240	126	1703	2023	8174	85	368	18	13	8.85	3.14	6.84	2.16
12/16/91	22584	126	1418	2799	6365	118	288	13	18	7.78	3.10	6.90	2.16
01/16/92	24264	110	1524	1561	5255	66	238	21	11	8.27	2.97	7.07	2.22
02/17/92	17976	110	1134	-442	3048	-19	138	17	6	8.82	2.91	7.26	2.06
03/11/92	18432	104	1159	592	4385	25	199	16	13	8.55	2.67	7.02	1.75
04/09/92	27048	144	1690	-2023	-2127	-85	-96	21	11	8.43	2.25	8.73	1.75
05/11/92	29328	177	2204	-6713	-10513	-338	-569	18	12	9.49	2.73	11.03	2.22
06/10/92	23256	102	1744	13924	15696	700	847	0	30		3.05		2.47
07/10/92	338760	177	23257					187	168				

Carter Park Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/25/91	48960	147	3830	37898	38537	1986	2170	5	24	5.59	1.97	6.12	1.68
08/23/91	71424	264	5910	18811	10722	1043	639	23	9	7.91	1.92	9.34	1.68
09/24/91	48768	219	4045	9588	10932	533	653	20	8	8.19	1.88	8.02	1.55
10/23/91	35424	212	2771	-3212	8693	-168	490	21	8	7.71	2.53	5.37	1.67
11/21/91	22848	150	1919	-6702	475	-377	29	18	12	8.85	3.14	6.84	2.16
12/21/91	28512	131	2333	7130	11082	391	653	13	20	7.78	3.10	6.90	2.16
01/23/92	26304	126	2241	-370	3919	-21	240	22	10	8.27	2.97	7.07	2.22
02/24/92	21984	136	1702	-1154	3541	-60	197	15	13	8.82	2.91	7.26	2.06
03/23/92	31104	179	2215	-5349	1897	-255	97	21	9	8.55	2.67	7.02	1.75
04/22/92	43968	211	2987	2797	2326	127	114	21	8	8.43	2.25	8.73	1.75
05/21/92	33792	187	2667	4803	4053	254	230	10	22	9.49	2.73	11.03	2.22
06/22/92	31968	144	2487	19232	21651	1002	1213	0	29		3.05		2.47
07/21/92	445056	264	35107					189	172				

Burton Road Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/25/91	52260	223	3908	35919	36823	1800	1983	5	23	5.59	1.97	6.12	1.68
08/22/91	83580	288	6250	25630	16876	1284	909	23	10	7.91	1.92	9.34	1.68
09/24/91	55860	262	4167	11133	12696	556	682	19	8	8.19	1.88	8.02	1.55
10/22/91	48060	187	2991	12538	23478	523	1052	22	8	7.71	2.53	5.37	1.67
11/21/91	33000	174	2059	-39536	-22162	-1653	-996	40	20	8.85	3.14	6.84	2.16
12/21/91	25080	157	1572	676	5275	28	238	12	20	7.78	3.10	6.90	2.16
01/22/92	33840	157	2116	1536	6643	64	299	22	8	8.27	2.97	7.07	2.22
02/21/92	33840	164	2120	2092	8544	88	385	17	15	8.82	2.91	7.26	2.06
03/24/92	43200	215	2687	-584	8119	-24	364	21	9	8.55	2.67	7.02	1.75
04/23/92	54480	273	3380	1211	602	50	27	21	8	8.43	2.25	8.73	1.75
05/22/92	54180	203	4052	24082	23685	1207	1275	9	23	9.49	2.73	11.03	2.22
06/23/92	53700	203	3999	35127	38654	1753	2073	0	30		3.05		2.47
07/23/92	571080	288	39301					211	182				

W M Green Elementary

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/22/91	19488	187	1472	4679	5600	237	305	5	26	5.59	1.97	6.12	1.68
08/22/91	43152	210	3238	7947	2712	399	146	19	9	7.91	1.92	9.34	1.68
09/19/91	32928	176	2466	-1111	-28	-56	-2	22	7	8.19	1.88	8.02	1.55
10/18/91	30480	177	1905	-4039	6622	-169	298	22	10	7.71	2.53	5.37	1.67
11/19/91	21984	177	1380	-12330	-4033	-519	-182	18	11	8.85	3.14	6.84	2.16
12/18/91	18192	103	1147	1862	4976	79	226	12	21	7.78	3.10	6.90	2.16
01/20/92	20688	122	1302	-4415	-446	-186	-20	22	8	8.27	2.97	7.07	2.22
02/19/92	15744	122	994	-3607	72	-153	3	16	6	8.82	2.91	7.26	2.06
03/12/92	20736	122	1302	-192	4257	-8	192	16	13	8.55	2.67	7.02	1.75
04/10/92	30768	132	1919	5233	5177	219	232	20	11	8.43	2.25	8.73	1.75
05/11/92	29952	170	2251	-5128	-8690	-258	-470	18	13	9.49	2.73	11.03	2.22
06/11/92	15504	73	1171	8825	10093	447	549	0	30		3.05		2.47
07/11/92	299616	210	20547					190	165				

Wavely Park Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/24/91	33000	170	2476	20207	20946	1016	1132	5	24	5.59	1.97	6.12	1.68
08/22/91	64080	232	4797	19234	12513	965	674	22	10	7.91	1.92	9.34	1.68
09/23/91	45720	216	3415	5307	6671	266	359	21	8	8.19	1.88	8.02	1.55
10/22/91	42060	110	2620	22013	28190	919	1264	21	8	7.71	2.53	5.37	1.67
11/20/91	39000	142	2429	10214	17156	426	769	19	11	8.85	3.14	6.84	2.16
12/20/91	35820	161	2254	10295	15161	434	687	12	21	7.78	3.10	6.90	2.16
01/22/92	41040	146	2561	10999	15749	460	708	22	8	8.27	2.97	7.07	2.22
02/21/92	35280	151	2209	6048	11990	254	541	17	15	8.82	2.91	7.26	2.06
03/24/92	36900	142	2299	7982	13730	333	616	21	9	8.55	2.67	7.02	1.75
04/23/92	42060	200	2615	3035	2589	126	116	21	8	8.43	2.25	8.73	1.75
05/22/92	32340	130	2428	13065	12811	657	693	9	23	9.49	2.73	11.03	2.22
06/23/92	33660	107	2515	24197	25994	1211	1398	0	29		3.05		2.47
07/23/92	480960	232	32618	152596	183498	10349	12445	190	174				

A M Pate Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/18/91	33596	170	2535	23877	25314	1207	1375	0	29	5.59	1.97	6.12	1.68
08/16/91	62432	259	4688	10815	2880	544	156	23	9	7.91	1.92	9.34	1.68
09/17/91	44172	134	3315	19101	19947	960	1078	21	8	8.19	1.88	8.02	1.55
10/16/91	42408	233	2657	-55	13030	-2	588	21	8	7.71	2.53	5.37	1.67
11/14/91	36028	190	2261	-3681	5977	-155	270	19	13	8.85	3.14	6.84	2.16
12/16/91	29220	178	1842	1270	6307	54	286	13	18	7.78	3.10	6.90	2.16
01/16/92	39076	176	2455	2751	8661	116	392	21	11	8.27	2.97	7.07	2.22
02/17/92	17940	148	1128	17940	17940	756	812	0	0	8.82	2.91	7.26	2.06
03/04/92	27364	187	1725	-4714	2106	-199	96	16	13	8.55	2.67	7.02	1.75
04/02/92	39504	183	2472	2559	2427	107	109	21	11	8.43	2.25	8.73	1.75
05/04/92	44700	231	3363	-8581	-15437	-433	-836	22	8	9.49	2.73	11.03	2.22
06/03/92	25396	96	1918	17198	18755	870	1020	1	28		3.05		2.47
07/02/92	441836	259	30359					178	156				

Van Zandt Guinn Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/19/91	38800	138	2908	31182	32308	1566	1743	0	28	5.59	1.97	6.12	1.68
08/16/91	51300	178	3845	15826	10372	795	560	23	9	7.91	1.92	9.34	1.68
09/17/91	43300	167	3235	12055	13109	603	705	21	8	8.19	1.88	8.02	1.55
10/16/91	39900	168	2487	7987	17815	334	800	22	8	7.71	2.53	5.37	1.67
11/15/91	37700	181	2349	1475	10311	62	463	18	13	8.85	3.14	6.84	2.16
12/16/91	31400	167	1963	3877	8750	162	394	14	18	7.78	3.10	6.90	2.16
01/17/92	35700	162	2231	13570	17156	568	772	14	7	8.27	2.97	7.07	2.22
02/07/92	35700	162	2231	-1885	5327	-79	240	23	10	8.82	2.91	7.26	2.06
03/11/92	30000	165	1873	1696	7713	71	347	16	13	8.55	2.67	7.02	1.75
04/09/92	43000	168	2673	9084	8962	378	401	21	11	8.43	2.25	8.73	1.75
05/11/92	43000	182	3221	6438	2437	323	131	18	11	9.49	2.73	11.03	2.22
06/09/92	35300	131	2636	23315	25591	1166	1376	0	30		3.05		2.47
07/09/92	465100	182	31652	124620	159853	8481	10879	190	166				

West Park Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/23/91	37800	138	2825	27415	28015	1373	1507	5	24	5.59	1.97	6.12	1.68
08/21/91	72000	240	5379	30842	24976	1544	1343	19	11	7.91	1.92	9.34	1.68
09/20/91	47400	180	3531	10773	11972	538	642	23	8	8.19	1.88	8.02	1.55
10/21/91	39000	180	2423	6196	16304	258	729	21	8	7.71	2.53	5.37	1.67
11/19/91	33000	126	2051	7457	13617	311	609	19	11	8.85	3.14	6.84	2.16
12/19/91	30000	120	1868	10975	14602	458	655	12	21	7.78	3.10	6.90	2.16
01/21/92	32400	120	2019	6716	10764	280	483	23	8	8.27	2.97	7.07	2.22
	32400	120	2019	13030	16868	544	757	15	10	8.82	2.91	7.26	2.06
03/17/92	30000	138	1865	4702	9906	196	443	18	11	8.55	2.67	7.02	1.75
04/15/92	42000	186	2603	5288	4966	220	222	21	9	8.43	2.25	8.73	1.75
05/15/92	42000	174	3139	10322	8196	517	441	14	18	9.49	2.73	11.03	2.22
06/16/92	40200	114	2991	30118	32032	1501	1716	0	29		3.05		2.47
07/15/92	478200	240	32713	163836	192219	11208	13149	190	168				

Bendbrook Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/24/91	61680	196	3793	46931	47782	1934	2116	5	24	5.59	1.97	6.12	1.68
08/22/91	17187	231	2391	-27466	-34158	-2560	-3421	22	10	7.91	1.92	9.34	1.68
09/23/91	39650	200	3243	2231	3493	122	206	21	8	8.19	1.88	8.02	1.55
10/22/91	30568	197	2733	-5334	5729	-320	369	21	8	7.71	2.53	5.37	1.67
11/20/91	29492	155	2674	-2416	5312	-147	347	19	12	8.85	3.14	6.84	2.16
12/21/91	25852	107	2493	9220	12354	596	858	12	20	7.78	3.10	6.90	2.16
01/22/92	30639	156	1948	-1922	3269	-82	150	22	9	8.27	2.97	7.07	2.22
	30639	156	1948	-1861	4635	-79	212	19	14	8.82	2.91	7.26	2.06
03/26/92	31724	197	2009	-9445	-1110	-401	-51	21	11	8.55	2.67	7.02	1.75
04/27/92	35012	195	2210	-3037	-3472	-128	-158	21	8	8.43	2.25	8.73	1.75
05/26/92	26269	67	2007	17607	17682	901	973	7	23	9.49	2.73	11.03	2.22
06/25/92	21839	76	1669	15117	16394	774	902	0	29		3.05		2.47
07/24/92	380551	231	29118					190	176				

Carrol Peak Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/22/91	51000	162	3807	39395	40232	1970	2162	4	25	5.59	1.97	6.12	1.68
08/20/91	64200	210	4798	26930	21445	1348	1154	20	10	7.91	1.92	9.34	1.68
09/19/91	43200	186	3220	3478	4812	174	258	24	9	8.19	1.88	8.02	1.55
10/18/91	37800	180	2349	4084	14504	170	649	21	10	7.71	2.53	5.37	1.67
11/18/91	33600	126	2088	8057	14217	335	636	19	11	8.85	3.14	6.84	2.16
12/18/91	30000	132	1868	9073	13063	378	586	12	21	7.78	3.10	6.90	2.16
01/20/92	36000	144	2242	3988	9019	166	404	24	8	8.27	2.97	7.07	2.22
	36000	144	2242	13175	17658	550	792	15	9	8.82	2.91	7.26	2.06
03/16/92	34200	162	2124	5457	11465	227	513	17	12	8.55	2.67	7.02	1.75
04/14/92	43200	186	2677	8056	7790	334	348	20	9	8.43	2.25	8.73	1.75
05/13/92	43800	186	3272	8440	5211	422	280	16	14	9.49	2.73	11.03	2.22
06/12/92	45600	120	3400	33889	36113	1693	1939	0	32		3.05		2.47
07/14/92	498600	210	34087	164022	195530	11213	13367	192	170				

E J Brisco Elementary

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/24/91	44040	374	3289	15896	17521	795	942	5	24	5.59	1.97	6.12	1.68
08/22/91	63240	196	4726	25353	19675	1269	1059	22	10	7.91	1.92	9.34	1.68
09/23/91	44580	170	3322	12773	13847	638	743	21	8	8.19	1.88	8.02	1.55
10/22/91	37140	164	2308	7252	16462	302	737	21	8	7.71	2.53	5.37	1.67
11/20/91	43200	198	2681	2440	12312	101	550	19	12	8.85	3.14	6.84	2.16
12/21/91	27000	135	1382	6016	9970	206	367	12	20	7.78	3.10	6.90	2.16
01/22/92	30120	132	1878	2960	7254	124	326	22	8	8.27	2.97	7.07	2.22
	30120	132	1878	5731	10718	239	481	16	15	8.82	2.91	7.26	2.06
03/23/92	40200	146	2494	10468	16377	435	732	21	9	8.55	2.67	7.02	1.75
04/22/92	43620	196	2703	7029	6650	292	297	20	8	8.43	2.25	8.73	1.75
05/20/92	52920	184	3951	22649	21629	1133	1163	11	22	9.49	2.73	11.03	2.22
06/22/92	46980	118	3493	36544	38526	1820	2062	0	29		3.05		2.47
07/21/92	503160	374	34105	155110	190939	10514	12942	190	173				

Western Hill Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/22/91	23856	156	2019	12681	13487	719	822	4	25	5.59	1.97	6.12	1.68
08/20/91	63984	315	5224	8078	-148	442	-9	20	10	7.91	1.92	9.34	1.68
09/19/91	47328	272	3912	-5278	-3605	-292	-215	22	7	8.19	1.88	8.02	1.55
10/18/91	38448	255	2962	-9316	5446	-481	302	21	10	7.71	2.53	5.37	1.67
11/18/91	29760	192	2424	-9162	224	-500	13	19	11	8.85	3.14	6.84	2.16
12/18/91	32928	195	2723	2012	7907	112	471	12	21	7.78	3.10	6.90	2.16
01/20/92	25728	209	2032	-13817	-7522	-731	-428	20	8	8.27	2.97	7.07	2.22
	25728	209	2032	-14777	-6960	-782	-396	19	9	8.82	2.91	7.26	2.06
03/16/92	26592	193	1880	26592	26592	1260	1354	0	0	8.55	2.67	7.02	1.75
04/14/92	40848	221	2720	-2772	-3154	-124	-151	21	9	8.43	2.25	8.73	1.75
05/14/92	34272	204	2727	34272	34272	1827	1963	0	0	9.49	2.73	11.03	2.22
06/15/92	20736	141	1617	8266	10634	432	597	0	29		3.05		2.47
07/15/92	410208	315	32272					158	139				

Stripling Middle School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/22/91	94080	290	7018	74926	76578	3745	4113	3	25	5.59	1.97	6.12	1.68
08/19/91	131880	290	9847	78674	70617	3936	3796	21	9	7.91	1.92	9.34	1.68
09/18/92	99120	308	7376	41494	43439	2069	2327	21	8	8.19	1.88	8.02	1.55
10/17/91	91140	334	5650	30270	49027	1257	2188	21	8	7.71	2.53	5.37	1.67
11/15/92	70380	334	4365	577	17553	24	784	19	13	8.85	3.14	6.84	2.16
12/17/91	70080	334	4352	17634	27086	734	1211	13	18	7.78	3.10	6.90	2.16
01/17/92	73500	334	5276	7329	18142	352	938	20	11	8.27	2.97	7.07	2.22
	73500	334	5276	7799	20574	375	1063	19	10	8.82	2.91	7.26	2.06
03/17/92	63780	334	5025	2553	15146	135	859	18	11	8.55	2.67	7.02	1.75
04/15/92	83760	334	5542	20653	20175	916	961	20	9	8.43	2.25	8.73	1.75
05/14/92	92160	334	6113	29097	24328	1293	1162	15	17	9.49	2.73	11.03	2.22
06/15/92	100260	334	6293	69702	75505	2931	3412	0	30		3.05		2.47
	1043640	334	72133	380707	458170	26313	31667	190	169				

J P Elder Middle School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/26/91	104704	331	7828	74900	75716	3752	4076	8	23	5.59	1.97	6.12	1.68
08/26/91	123576	455	9243	40098	27456	2009	1479	21	9	7.91	1.92	9.34	1.68
09/25/91	97080	443	7241	21454	24097	1072	1294	19	8	8.19	1.88	8.02	1.55
10/24/91	108960	416	6765	33146	56508	1379	2526	21	8	7.71	2.53	5.37	1.67
11/22/92	32592	395	2049	-44204	-25332	-1862	-1147	17	14	8.85	3.14	6.84	2.16
12/23/91	58776	292	3669	6568	15892	275	714	15	20	7.78	3.10	6.90	2.16
01/27/92	67368	342	4205	-172	10541	-7	474	21	8	8.27	2.97	7.07	2.22
	67368	342	4205	12202	23471	510	1055	14	13	8.82	2.91	7.26	2.06
03/23/92	93696	398	5691	12645	28754	515	1257	21	9	8.55	2.67	7.02	1.75
04/22/92	92304	434	5726	11280	10441	469	466	20	8	8.43	2.25	8.73	1.75
05/20/92	93696	342	6991	37432	35535	1871	1909	11	22	9.49	2.73	11.03	2.22
06/22/92	100896	341	7526	69697	75622	3483	4061	0	30		3.05		2.47
07/22/92	1041016	455	71139					188	172				

Morningside Middle School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/23/91	109320	301	8151	83518	83128	4172	4463	5	24	7.91	1.92	9.34	1.68
08/21/91	131880	396	9847	62039	64799	3104	3484	19	11	8.19	1.88	8.02	1.55
09/20/91	104160	373	7750	30428	53124	1517	2846	23	8	7.71	2.53	5.37	1.67
10/21/91	74280	353	4609	-209	17438	-9	779	21	8	8.85	3.14	6.84	2.16
11/19/91	56280	221	3496	16053	22026	668	985	19	11	7.78	3.10	6.90	2.16
12/19/91	46440	235	2891	8463	15570	353	698	12	21	8.27	2.97	7.07	2.22
01/21/92	50640	235	3155	-442	9254	-18	415	22	8	8.82	2.91	7.26	2.06
02/20/92	65400	208	4062	11487	22708	478	1015	25	17	8.55	2.67	7.02	1.75
04/02/92	68160	307	4224	6182	5960	257	266	21	11	8.43	2.25	8.73	1.75
05/04/92	85320	331	6368	12115	2800	606	150	21	8	9.49	2.73	11.03	2.22
06/02/92	98040	301	7281	72337	77218	3599	4129	2	28		3.05		2.47
07/02/92	98040	301	7281	79645	82364	3963	4404	0	31	5.59	1.97	6.12	1.68
	987960	396	69115		456388		31928	190	186				

Leonard Middle School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/24/91	117960	437	8793	85075	86974	4249	4668	5	24	5.59	1.97	6.12	1.68
08/22/91	175680	574	13111	64724	48096	3236	2584	22	10	7.91	1.92	9.34	1.68
09/23/91	128280	556	9540	24254	27764	1208	1487	21	8	8.19	1.88	8.02	1.55
10/22/91	110640	535	6855	13139	43183	545	1926	21	8	7.71	2.53	5.37	1.67
11/20/91	98400	384	6095	20556	39328	853	1754	19	11	8.85	3.14	6.84	2.16
12/20/91	81480	385	5056	17444	29421	725	1314	13	21	7.78	3.10	6.90	2.16
01/23/92	90240	341	5604	18052	29657	751	1326	22	10	8.27	2.97	7.07	2.22
	90240	341	5604	90240	90240	3755	4035	0	0	8.82	2.91	7.26	2.06
03/24/92	125160	498	7741	23744	43901	984	1955	21	9	8.55	2.67	7.02	1.75
04/23/92	128880	571	7966	17464	16190	723	720	21	8	8.43	2.25	8.73	1.75
05/22/92	110160	454	8216	44088	42965	2203	2307	9	22	9.49	2.73	11.03	2.22
06/22/92	125520	422	9316	85624	93200	4258	4980	0	31		3.05		2.47
07/23/92	1382640	574	93897	504404	590919	34255	40130	174	162				

Northside High School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/18/91	201760	484	15030	165976	169297	8284	9080	3	29	5.59	1.97	6.12	1.68
08/19/91	234440	639	17494	117204	99450	5860	5343	21	9	7.91	1.92	9.34	1.68
09/18/91	155120	569	11539	53323	56817	2658	3043	20	8	8.19	1.88	8.02	1.55
10/16/91	113320	526	7027	13402	44174	557	1972	22	8	7.71	2.53	5.37	1.67
11/15/91	106440	381	6597	26814	46179	1113	2061	19	13	8.85	3.14	6.84	2.16
12/17/91	90700	227	5632	55056	61480	2291	2749	13	18	7.78	3.10	6.90	2.16
01/17/92	102360	371	8227	28859	40870	1554	2365	20	11	8.27	2.97	7.07	2.22
	102360	371	8227	14170	31676	763	1833	22	15	8.82	2.91	7.26	2.06
03/25/92	133360	442	9060	43349	61239	1973	2995	21	9	8.55	2.67	7.02	1.75
04/24/92	162360	535	9935	51046	50231	2093	2213	22	10	8.43	2.25	8.73	1.75
05/26/92	142180	417	9333	89408	89658	3932	4237	7	22	9.49	2.73	11.03	2.22
06/24/92	176000	410	10346	138488	145612	5454	6163	0	30		3.05		2.47
07/24/92	1720400	639	118447	797094	896682	54879	61735	190	182				

Arlington Hights High School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/15/91	233140	622	18386	197579	202836	10440	11517	0	29	5.59	1.97	6.12	1.68
08/13/92	295540	726	22068	169642	152073	8487	8176	19	12	7.91	1.92	9.34	1.68
09/13/91	225880	739	16812	75508	80430	3765	4310	23	8	8.19	1.88	8.02	1.55
10/14/91	158276	682	9828	39245	75946	1633	3395	20	8	7.71	2.53	5.37	1.67
11/11/91	145167	660	9010	-315	34603	-13	1546	21	11	8.85	3.14	6.84	2.16
12/13/91	123845	556	7703	41749	57545	1740	2577	11	20	7.78	3.10	6.90	2.16
01/13/92	147135	567	9153	33478	51665	1395	2314	21	9	8.27	2.97	7.07	2.22
02/12/92	174404	191	11901	129002	138014	5898	6781	22	15	8.82	2.91	7.26	2.06
03/20/92	165332	426	10249	76307	94331	3169	4210	21	11	8.55	2.67	7.02	1.75
04/21/92	191417	634	11947	73055	71829	3055	3228	20	8	8.43	2.25	8.73	1.75
05/19/92	187660	633	11899	84434	78643	3587	3590	12	18	9.49	2.73	11.03	2.22
06/18/92	230736	520	11941	179989	189625	6241	7066	0	32		3.05		2.47
07/20/92	2278532	739	150897		1227540		81294	190	181				

West Hill High School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/24/91	242000	786	18015	181303	184947	9043	9913	5	25	5.59	1.97	6.12	1.68
08/22/91	307600	1000	22938	114297	85328	5711	4581	22	10	7.91	1.92	9.34	1.68
09/23/91	248400	882	18452	83380	88949	4150	4757	21	8	8.19	1.88	8.02	1.55
10/22/91	204000	928	12619	34876	86991	1445	3874	21	8	7.71	2.53	5.37	1.67
11/20/91	186200	740	11512	36187	72363	1499	3221	19	11	8.85	3.14	6.84	2.16
12/20/91	181000	656	11204	71890	92297	2982	4114	13	21	7.78	3.10	6.90	2.16
01/23/92	183800	728	11392	29686	54462	1233	2430	22	10	8.27	2.97	7.07	2.22
03/24/92	197600	794	12209	62517	89925	2588	4000	15	13	8.82	2.91	7.26	2.06
04/23/92	212200	750	13101	59466	89823	2460	3993	21	9	8.55	2.67	7.02	1.75
05/22	209800	862	15626	34333	32153	1713	1724	22	8	8.43	2.25	8.73	1.75
06/22/92	276200	654	20470	179234	177954	8900	9496	9	23	9.49	2.73	11.03	2.22
07/23/92	276200	654	20470	214370	226111	10645	12066	0	31		3.05		2.47
	2725000	1000	188008	1101540	1281302	75999	88402	190	177				

O D Wyatt High School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/22/91	262400	642	19532	213452	222747	10645	11938	4	25		3.05		2.47
08/20/91	331000	906	24680	210108	203414	10496	10920	20	11	5.59	1.97	6.12	1.68
09/20/91	246400	882	18304	82692	56283	4116	3010	22	6	7.91	1.92	9.34	1.68
10/18/91	240800	868	14891	75129	81189	3113	3615	21	10	8.19	1.88	8.02	1.55
11/18/91	209200	816	12931	66878	110995	2770	4940	19	11	7.71	2.53	5.37	1.67
12/18/91	222000	680	13736	104967	135244	4351	6025	12	21	8.85	3.14	6.84	2.16
01/20/92	227600	746	14075	75521	96217	3129	4284	23	8	7.78	3.10	6.90	2.16
	227600	746	14075	121736	138587	5044	6171	15	6	8.27	2.97	7.07	2.22
03/12/92	197200	660	11357	79091	102908	3052	4267	16	13	8.82	2.91	7.26	2.06
04/10/92	248800	764	14817	95676	126828	3818	5438	20	11	8.55	2.67	7.02	1.75
05/11/92	241200	754	14504	106357	106866	4285	4627	18	12	8.43	2.25	8.73	1.75
06/10/92	253600	710	14437	189573	201671	7231	8266	0	33	9.49	2.73	11.03	2.22
07/13/92	2907800	906	187339	1421180	1582949	91561	101984	190	167				

M G Ellis Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/19/91	20340	73	1535	15087	15566	763	846	3	28	5.59	1.97	6.12	1.68
08/19/91	22200	88	1677	6751	4432	342	241	20	9	7.91	1.92	9.34	1.68
09/17/91	13584	82	1031	-1758	-1240	-89	-68	21	8	8.19	1.88	8.02	1.55
10/16/91	13296	67	844	569	4488	24	205	22	8	7.71	2.53	5.37	1.67
11/15/91	11760	59	749	-48	2832	-2	130	18	13	8.85	3.14	6.84	2.16
12/16/91	11688	59	745	2424	4093	104	188	13	18	7.78	3.10	6.90	2.16
01/16/92	13392	64	851	183	2332	8	107	21	11	8.27	2.97	7.07	2.22
	13392	64	851	245	2855	10	131	19	13	8.82	2.91	7.26	2.06
03/20/92	13224	64	839	-151	2557	-6	117	21	11	8.55	2.67	7.02	1.75
04/21/92	18048	92	1135	97	-109	4	-5	21	8	8.43	2.25	8.73	1.75
05/20/92	17580	73	1330	6169	5651	313	308	11	19	9.49	2.73	11.03	2.22
06/19/92	23556	65	1767	17213	18417	865	995	0	32		3.05		2.47
07/21/92	192060	92	13354					190	178				

D Macrae Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/13/91	73020	296	5455	35177	33147	1761	1783	19	11	5.59	1.97	6.12	1.68
09/12/91	58920	279	4386	6598	-1688	329	-90	22	7	7.91	1.92	9.34	1.68
10/11/91	44400	175	2756	10999	12220	457	546	21	10	8.19	1.88	8.02	1.55
11/11/91	39060	161	2425	9737	18819	405	841	20	11	7.71	2.53	5.37	1.67
12/12/91	29160	155	1816	2969	9720	124	436	12	20	8.85	3.14	6.84	2.16
01/13/92	34380	161	2141	4819	9011	201	404	20	9	7.78	3.10	6.90	2.16
02/11/92	26760	167	1669	3061	6834	128	307	15	6	8.27	2.97	7.07	2.22
03/03/92	32880	181	2042	489	7021	20	314	16	13	8.82	2.91	7.26	2.06
04/01/92	48180	204	2984	6636	14893	275	664	21	9	8.55	2.67	7.02	1.75
05/01/92	57780	230	4312	9925	9575	496	514	22	10	8.43	2.25	8.73	1.75
06/02/92	43560	173	3240	27512	29392	1371	1574	2	27	9.49	2.73	11.03	2.22
07/01/92	54360	155	4057	40179	42872	2009	2304	0	30		3.05		2.47
07/31/92	542460	296	37283	158103	191817	10866	13184	190	163				

Springdale Elementary

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/09/91	77952	274	5845	41301	39661	2075	2141	19	14	5.59	1.97	6.12	1.68
09/11/91	51816	269	3882	2981	-4559	150	-246	21	8	7.91	1.92	9.34	1.68
10/10/91	43392	265	2718	-6189	-4516	-260	-204	21	8	8.19	1.88	8.02	1.55
11/08/91	27864	231	1757	-13596	-707	-574	-32	19	13	7.71	2.53	5.37	1.67
12/10/91	19944	155	1270	-6647	115	-284	5	13	18	8.85	3.14	6.84	2.16
01/10/92	27960	153	1768	-1081	3190	-46	145	20	11	7.78	3.10	6.90	2.16
02/10/92	23640	134	1503	-3932	427	-167	20	22	8	8.27	2.97	7.07	2.22
03/11/92	21792	209	1381	-15609	-8067	-663	-368	16	13	8.82	2.91	7.26	2.06
04/09/92	48984	193	2871	8651	16817	340	710	21	11	8.55	2.67	7.02	1.75
05/11/92	54264	223	4074	14383	14534	724	786	18	12	8.43	2.25	8.73	1.75
06/10/92	63240	191	4719	47582	50540	2379	2715	0	30	9.49	2.73	11.03	2.22
07/10/92	66216	205	4962	46835	50515	2351	2726	0	31		3.05		2.47
08/10/92	527064	274	36750					190	177				

De Zavala Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/02/91	53480	234	4022	26872	26364	1354	1428	14	18	5.59	1.97	6.12	1.68
09/03/91	49300	225	3695	8453	2146	424	116	21	8	7.91	1.92	9.34	1.68
10/02/91	43780	225	2742	1683	3104	71	140	21	8	8.19	1.88	8.02	1.55
10/31/91	34200	142	2148	6523	15112	275	683	21	13	7.71	2.53	5.37	1.67
12/04/91	23100	134	1465	1719	7164	73	327	12	17	8.85	3.14	6.84	2.16
01/02/92	30360	120	1915	8145	11501	344	522	19	12	7.78	3.10	6.90	2.16
02/03/92	28600	123	1811	3292	7293	140	332	22	8	8.27	2.97	7.07	2.22
03/03/92	23220	110	1469	3535	7505	150	342	16	13	8.82	2.91	7.26	2.06
04/01/92	29520	174	1857	-4426	2350	-187	106	20	9	8.55	2.67	7.02	1.75
04/30/92	43500	199	3273	2095	1792	106	97	22	10	8.43	2.25	8.73	1.75
06/01/92	35520	145	2667	21089	22367	1061	1209	3	26	9.49	2.73	11.03	2.22
06/30/92	45440	181	3417	28328	31578	1427	1710	0	31		3.05		2.47
07/31/92	440020	234	30481		138276		9579	191	173				

Charles E Nash Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/05/91	49830	210	3735	26020	25269	1307	1364	15	15	5.59	1.97	6.12	1.68
09/04/91	43680	156	3264	14125	9530	707	513	22	8	7.91	1.92	9.34	1.68
10/03/91	42180	187	2627	4956	6294	207	282	22	10	8.19	1.88	8.02	1.55
11/04/91	29280	162	1830	-225	8914	-9	401	20	11	7.71	2.53	5.37	1.67
12/05/91	25320	86	1587	10788	14534	453	656	12	20	8.85	3.14	6.84	2.16
01/06/92	28710	158	1799	-300	3814	-13	172	20	9	7.78	3.10	6.90	2.16
02/04/92	26580	192	1670	-9749	-3966	-410	-179	20	8	8.27	2.97	7.07	2.22
03/03/92	20700	165	1300	-8827	-2873	-371	-130	16	13	8.82	2.91	7.26	2.06
04/01/92	30690	177	1914	-5355	1809	-224	81	21	9	8.55	2.67	7.02	1.75
05/01/92	33780	155	2535	2837	2647	143	143	21	10	8.43	2.25	8.73	1.75
06/01/92	32460	155	2426	16611	18057	832	972	3	27	9.49	2.73	11.03	2.22
07/01/92	37470	145	2810	23761	26365	1194	1424	0	31		3.05		2.47
07/31/92	400680	210	27497					192	171				

E M Daggatt Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/02/91	146184	493	10950	90125	89055	4523	4803	14	18	5.59	1.97	6.12	1.68
09/03/91	108736	413	8127	37026	26040	1854	1401	20	8	7.91	1.92	9.34	1.68
10/02/91	83184	309	5196	25371	27322	1062	1229	21	8	8.19	1.88	8.02	1.55
10/31/91	51728	299	3253	-6549	11536	-276	522	21	13	7.71	2.53	5.37	1.67
12/04/91	35200	275	2235	-8680	2496	-369	114	12	17	8.85	3.14	6.84	2.16
01/02/92	40856	197	2564	2853	8536	120	386	20	12	7.78	3.10	6.90	2.16
02/03/92	44444	165	3627	11859	17027	648	1000	21	8	8.27	2.97	7.07	2.22
03/03/93	38704	255	3276	-6929	2273	-393	139	16	13	8.82	2.91	7.26	2.06
04/01/92	61608	354	4557	-7454	6331	-369	337	20	9	8.55	2.67	7.02	1.75
04/30/92	89008	316	6673	23260	22778	1168	1230	22	10	8.43	2.25	8.73	1.75
06/01/92	76784	289	5795	48022	50570	2428	2748	3	26	9.49	2.73	11.03	2.22
06/30/92	87012	308	6442	57893	63423	2872	3381	0	31		3.05		2.47
07/31/92	863448	493	62695		327387		23772	190	173				

Lilly B Clayton Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/09/91	39800	205	2988	13524	12406	680	671	18	14	5.59	1.97	6.12	1.68
09/10/91	33240	180	2489	1986	-2802	100	-151	20	8	7.91	1.92	9.34	1.68
10/08/91	31360	180	1959	-3792	-2624	-159	-118	22	8	8.19	1.88	8.02	1.55
11/07/91	22240	102	1395	3146	9077	132	410	20	13	7.71	2.53	5.37	1.67
12/10/91	18000	100	1135	1730	5891	73	267	12	18	8.85	3.14	6.84	2.16
01/09/92	22000	105	1383	2721	5455	115	247	20	9	7.78	3.10	6.90	2.16
02/07/92	17640	93	1114	1582	4159	67	189	18	8	8.27	2.97	7.07	2.22
03/04/92	18120	134	1140	-5860	-1024	-247	-46	16	13	8.82	2.91	7.26	2.06
04/02/92	27080	135	1692	383	5764	16	259	20	10	8.55	2.67	7.02	1.75
05/02/92	33040	159	2480	316	-6	16	-0	22	9	8.43	2.25	8.73	1.75
06/02/92	21920	128	1645	9697	11154	488	603	2	28	9.49	2.73	11.03	2.22
07/02/92	21560	132	1626	8678	11124	438	604	0	32		3.05		2.47
08/03/92	306000	205	21046					190	170				

T A Sims Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/13/91	102120	323	7630	61462	59152	3077	3182	19	10	5.59	1.97	6.12	1.68
09/11/91	88380	327	6580	29015	19850	1447	1064	21	8	7.91	1.92	9.34	1.68
10/10/91	74400	293	4616	16076	18173	668	812	22	10	8.19	1.88	8.02	1.55
11/11/91	51600	218	3206	11896	24193	495	1082	20	11	7.71	2.53	5.37	1.67
12/12/91	35280	176	2202	5541	13207	232	593	12	20	8.85	3.14	6.84	2.16
01/13/92	40920	178	2554	8238	12873	344	578	20	9	7.78	3.10	6.90	2.16
02/11/92	35340	186	2209	7406	11832	310	532	16	6	8.27	2.97	7.07	2.22
03/04/92	42120	190	2620	8119	14975	338	671	16	13	8.82	2.91	7.26	2.06
04/02/92	64020	207	3969	20761	29519	862	1318	21	11	8.55	2.67	7.02	1.75
05/04/92	68760	245	5136	20955	20408	1049	1098	21	8	8.43	2.25	8.73	1.75
06/02/92	73140	202	5438	54402	56597	2710	3030	2	27	9.49	2.73	11.03	2.22
07/01/92	86460	181	6453	68244	71703	3413	3853	0	33		3.05		2.47
08/03/92	762540	327	52613	312115	352482	21535	24320	190	166				

Sagamore Hill Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/15/91	47344	286	3565	11344	9298	572	504	19	10	5.59	1.97	6.12	1.68
09/13/91	39328	194	2956	1038	-4953	52	-268	23	8	7.91	1.92	9.34	1.68
10/14/91	37128	186	2331	804	2011	34	91	22	8	8.19	1.88	8.02	1.55
11/13/91	30336	238	1910	-11777	1296	-497	59	19	12	7.71	2.53	5.37	1.67
12/14/91	32088	180	2020	644	8671	27	393	13	19	8.85	3.14	6.84	2.16
01/15/92	35984	167	2273	5322	9670	225	440	20	9	7.78	3.10	6.90	2.16
02/13/92	19720	162	1252	-3269	390	-139	18	15	6	8.27	2.97	7.07	2.22
03/05/92	22856	156	1447	-5061	569	-215	26	16	13	8.82	2.91	7.26	2.06
04/03/92	29464	153	1852	-2510	3964	-106	179	21	11	8.55	2.67	7.02	1.75
05/05/92	31136	183	2353	-6115	-6578	-310	-358	22	8	8.43	2.25	8.73	1.75
06/04/92	23296	91	1763	15338	16842	778	918	0	32	9.49	2.73	11.03	2.22
07/06/92	18000	97	1377	9421	11050	483	609	0	29		3.05		2.47
08/04/92	366680	286	25099					190	165				

Diamond Hill Evenue Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/30/91	52870	219	3961	32430	32483	1628	1752	10	19	5.59	1.97	6.12	1.68
08/28/91	59110	244	4434	17267	11302	868	610	19	11	7.91	1.92	9.34	1.68
09/27/91	50810	224	3799	5230	6722	262	362	23	8	8.19	1.88	8.02	1.55
10/28/91	37620	157	2352	8610	17563	361	791	21	9	7.71	2.53	5.37	1.67
11/27/91	32782	142	2053	5907	12672	248	571	15	18	8.85	3.14	6.84	2.16
12/30/91	31536	158	1978	4256	8545	179	386	17	13	7.78	3.10	6.90	2.16
01/29/92	33897	163	2127	1707	6813	72	308	21	8	8.27	2.97	7.07	2.22
02/27/92	34593	161	2174	3425	9760	144	442	17	15	8.82	2.91	7.26	2.06
03/30/92	42099	150	2625	12835	18677	536	838	20	9	8.55	2.67	7.02	1.75
04/28/92	54753	170	3404	18715	18234	780	816	23	8	8.43	2.25	8.73	1.75
05/29/92	44532	118	3341	31991	32789	1608	1771	4	25	9.49	2.73	11.03	2.22
06/27/92	46335	141	3461	33005	35536	1652	1911	0	31		3.05		2.47
07/28/92	520937	244	35709	175378	211095	12022	14470	190	174				

Washington Hights Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/31/91	49920	130	3734	38043	38036	1907	2048	10	18	5.59	1.97	6.12	1.68
08/28/91	56220	134	4211	33240	29965	1668	1616	19	11	7.91	1.92	9.34	1.68
09/27/91	47520	121	3549	22899	23705	1146	1275	23	8	8.19	1.88	8.02	1.55
10/28/91	48300	125	3005	25519	32539	1064	1458	21	8	7.71	2.53	5.37	1.67
11/26/91	57420	145	3566	29523	36572	1228	1635	15	19	8.85	3.14	6.84	2.16
12/30/91	58620	145	3644	33585	37520	1399	1679	17	13	7.78	3.10	6.90	2.16
01/29/92	47880	145	2844	19245	23787	766	1017	21	8	8.27	2.97	7.07	2.22
02/27/92	38220	145	2594	12272	17504	558	855	16	13	8.82	2.91	7.26	2.06
03/27/92	50820	121	2748	25534	30653	925	1193	21	11	8.55	2.67	7.02	1.75
04/28/92	56040	127	2947	30188	29867	1064	1131	22	8	8.43	2.25	8.73	1.75
05/28/92	52680	98	2643	41602	42064	1398	1519	5	24	9.49	2.73	11.03	2.22
06/26/92	64500	98	2930	55235	56994	1681	1864	0	31		3.05		2.47
07/27/92	628140	145	38415	366884	399206	22437	24414	190	172				

Hubbard Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/26/91	69300	275	5175	44538	45216	2228	2431	8	23	5.59	1.97	6.12	1.68
08/26/91	86100	320	6437	27390	18499	1372	996	21	9	7.91	1.92	9.34	1.68
09/25/91	66800	276	4979	12900	14691	644	788	22	8	8.19	1.88	8.02	1.55
10/25/91	50600	272	3147	-348	15398	-15	689	21	10	7.71	2.53	5.37	1.67
11/25/91	36300	219	2263	-5026	5210	-210	234	16	15	8.85	3.14	6.84	2.16
12/26/91	34500	217	2154	-2280	4040	-95	182	15	17	7.78	3.10	6.90	2.16
01/27/92	39500	210	2466	-1972	4606	-82	207	21	8	8.27	2.97	7.07	2.22
02/25/92	36900	225	2309	-7335	1489	-308	67	18	13	8.82	2.91	7.26	2.06
03/27/92	46400	243	2885	-4382	5899	-183	264	21	11	8.55	2.67	7.02	1.75
04/28/92	57400	277	3560	1015	314	42	14	22	8	8.43	2.25	8.73	1.75
05/28/92	39700	203	2976	16754	17709	841	956	5	24	9.49	2.73	11.03	2.22
06/26/92	37200	218	2777	16590	20504	830	1102	0	31		3.05		2.47
07/27/92	600700	320	41128		153575		10515	190	177				

A E Cartson Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/16/91	59568	178	4460	33535	31833	1682	1716	23	9	5.59	1.97	6.12	1.68
09/17/92	33840	160	2534	4793	308	240	17	21	8	7.91	1.92	9.34	1.68
10/16/91	28296	138	1770	2477	3348	104	151	21	8	8.19	1.88	8.02	1.55
11/14/91	21720	93	1363	5981	10872	251	491	18	12	7.71	2.53	5.37	1.67
12/14/91	19680	86	1239	3895	7903	164	358	14	19	8.85	3.14	6.84	2.16
01/16/92	22392	81	1408	7269	9454	306	428	20	10	7.78	3.10	6.90	2.16
02/14/92	21480	86	1354	5463	7989	231	363	20	7	8.27	2.97	7.07	2.22
03/13/92	14328	90	907	-2301	1099	-98	50	16	15	8.82	2.91	7.26	2.06
04/13/92	25152	132	1573	-1729	3614	-72	163	21	9	8.55	2.67	7.02	1.75
05/13/92	29472	133	2214	7331	7633	369	413	16	14	8.43	2.25	8.73	1.75
06/12/92	58200	150	4332	45083	47561	2248	2549	0	32	9.49	2.73	11.03	2.22
07/14/92	55896	150	4180	42630	45149	2136	2431	0	29		3.05		2.47
08/12/92	390024	178	27334		176763		12388	190	172				

Oakhurst Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/02/91	61896	399	4649	25443	25423	1280	1375	10	18	5.59	1.97	6.12	1.68
08/30/91	77712	376	5804	2778	-8742	139	-470	23	9	7.91	1.92	9.34	1.68
10/01/91	60864	292	3775	6232	8075	259	361	21	8	8.19	1.88	8.02	1.55
10/30/91	38712	195	2426	2210	13547	93	611	20	13	7.71	2.53	5.37	1.67
12/02/91	27672	181	1747	-4414	3670	-187	167	14	17	8.85	3.14	6.84	2.16
01/02/92	32376	173	2040	1422	5937	60	269	19	10	7.78	3.10	6.90	2.16
01/31/92	36096	210	2284	-18294	-9565	-776	-436	27	12	8.27	2.97	7.07	2.22
03/10/92	23544	197	1490	-11710	-4601	-497	-210	16	13	8.82	2.91	7.26	2.06
04/08/92	41952	456	2623	-50910	-32453	-2133	-1461	21	9	8.55	2.67	7.02	1.75
05/08/92	54432	420	4086	-25168	-24798	-1266	-1340	19	13	8.43	2.25	8.73	1.75
06/09/92	62736	408	4683	29288	35608	1465	1914	0	30	9.49	2.73	11.03	2.22
07/09/92	66456	207	4980	48149	51625	2417	2785	0	29		3.05		2.47
08/07/92	584448	456	40587					190	181				

East handley Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/07/91	44080	200	3307	21403	20688	1076	1118	15	15	5.59	1.97	6.12	1.68
09/06/91	39720	173	2970	5575	232	279	13	23	8	7.91	1.92	9.34	1.68
10/07/91	32560	147	2033	3852	4806	161	216	22	8	8.19	1.88	8.02	1.55
11/06/91	21240	147	1334	-6277	2269	-264	103	20	13	7.71	2.53	5.37	1.67
12/09/91	15160	147	959	-7455	-1634	-316	-74	11	18	8.85	3.14	6.84	2.16
01/07/92	21840	147	1373	-6294	-2337	-265	-106	21	9	7.78	3.10	6.90	2.16
02/06/92	17760	147	1124	-11270	-6666	-478	-304	21	8	8.27	2.97	7.07	2.22
03/06/92	14800	147	936	-12360	-6807	-524	-310	16	15	8.82	2.91	7.26	2.06
04/06/92	29240	179	1825	-7213	33	-302	1	21	9	8.55	2.67	7.02	1.75
05/06/92	36720	200	2754	-2755	-3101	-138	-167	21	9	8.43	2.25	8.73	1.75
06/05/92	28480	107	2131	19123	20891	959	1125	0	32	9.49	2.73	11.03	2.22
07/07/92	31600	150	2373	18334	20853	922	1127	0	29		3.05		2.47
08/05/92	333200	200	23119	14662	49228	1017	3416	191	173				

Meadowbrook Middle School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/01/91	96920	357	7258	63601	63686	3191	3434	10	19	5.59	1.97	6.12	1.68
08/30/91	142472	380	10608	66741	55098	3329	2954	23	9	7.91	1.92	9.34	1.68
10/01/91	103904	361	6416	36362	38641	1504	1718	21	8	8.19	1.88	8.02	1.55
10/30/91	81432	279	5062	27053	43929	1127	1966	21	13	7.71	2.53	5.37	1.67
12/03/91	68692	304	4282	19400	31776	810	1426	13	15	8.85	3.14	6.84	2.16
12/31/91	90352	209	5626	51661	57506	2155	2578	19	12	7.78	3.10	6.90	2.16
01/31/92	67584	191	4863	28730	35001	1385	1813	21	10	8.27	2.97	7.07	2.22
03/02/92	45936	213	4088	7819	15505	466	994	16	13	8.82	2.91	7.26	2.06
03/31/92	81584	326	5345	15195	28391	667	1339	21	9	8.55	2.67	7.02	1.75
04/30/92	110976	331	6292	42107	41603	1600	1698	22	10	8.43	2.25	8.73	1.75
06/01/92	122848	316	6434	91399	94184	3207	3552	3	26	9.49	2.73	11.03	2.22
06/30/92	154976	275	6993	129816	134594	3925	4373	0	30		3.05		2.47
07/30/92													

H V Helbing Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/29/91	36440	207	2732	17869	18088	898	976	9	20	5.59	1.97	6.12	1.68
08/27/91	53280	205	3992	16503	11199	828	604	20	11	7.91	1.92	9.34	1.68
09/27/91	34800	144	2604	5499	6458	276	348	23	8	8.19	1.88	8.02	1.55
10/28/91	23320	109	1463	4296	10162	181	459	20	8	7.71	2.53	5.37	1.67
11/25/91	22400	109	1405	1831	6926	77	313	16	15	8.85	3.14	6.84	2.16
12/26/91	24440	117	1532	3699	7209	155	325	16	17	7.78	3.10	6.90	2.16
01/28/92	24320	113	1527	2004	5544	84	251	21	8	8.27	2.97	7.07	2.22
02/26/92	21560	94	1359	3909	7448	165	338	17	13	8.82	2.91	7.26	2.06
03/27/92	29520	123	1844	3816	9020	160	406	21	11	8.55	2.67	7.02	1.75
04/28/92	37840	173	2355	2625	2187	109	98	22	8	8.43	2.25	8.73	1.75
05/28/92	25040	111	1885	12493	13015	630	705	5	24	9.49	2.73	11.03	2.22
06/26/92	27080	115	2027	15857	17988	795	969	0	32		3.05		2.47
07/28/92	360040	207	24725	90399	115245	6208	7914	190	175				

S S Dillow Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/13/91	79632	291	5955	42429	40432	2126	2177	19	11	5.59	1.97	6.12	1.68
09/12/91	61968	318	4621	2332	-7112	117	-382	22	7	7.91	1.92	9.34	1.68
10/11/91	52368	274	3256	71	1984	3	89	21	10	8.19	1.88	8.02	1.55
11/11/91	34512	176	2155	2457	12386	103	557	20	11	7.71	2.53	5.37	1.67
12/12/91	27168	175	1701	-2402	5220	-101	235	12	20	8.85	3.14	6.84	2.16
01/13/92	36432	210	2276	-2125	3343	-89	150	20	9	7.78	3.10	6.90	2.16
02/11/92	26592	176	1667	26592	26592	1117	1200	0	0	8.27	2.97	7.07	2.22
03/03/92	30000	186	1873	-3285	3427	-137	154	16	13	8.82	2.91	7.26	2.06
04/01/92	44928	243	2791	-4558	5278	-190	236	21	9	8.55	2.67	7.02	1.75
05/01/92	60144	277	4495	2510	2088	126	112	22	10	8.43	2.25	8.73	1.75
06/02/92	47182	227	3516	26125	28592	1304	1534	2	27	9.49	2.73	11.03	2.22
07/01/92	55776	464	4171	13324	21385	668	1151	0	30		3.05		2.47
07/31/92	556702	464	38477					175	157				

J T Stephens Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/14/91	99120	349	7407	55189	52694	2763	2835	19	10	5.59	1.97	6.12	1.68
09/12/91	92112	310	6857	30331	20833	1513	1117	23	9	7.91	1.92	9.34	1.68
10/14/91	58224	268	3618	8082	9774	336	437	21	8	8.19	1.88	8.02	1.55
11/12/91	44016	242	2739	-59	13592	-2	609	20	11	7.71	2.53	5.37	1.67
12/13/91	39072	242	2437	-1819	8721	-76	392	12	20	8.85	3.14	6.84	2.16
01/14/92	26064	200	1635	-10657	-5450	-448	-246	20	9	7.78	3.10	6.90	2.16
02/12/92	40656	190	2541	7850	13114	329	590	18	8	8.27	2.97	7.07	2.22
03/09/92	42816	175	2663	11499	17814	479	798	16	13	8.82	2.91	7.26	2.06
04/07/92	53760	245	3336	3867	13783	161	616	21	9	8.55	2.67	7.02	1.75
05/07/92	53952	268	4035	3315	2932	166	158	20	9	8.43	2.25	8.73	1.75
06/05/92	40992	99	3057	32064	33751	1602	1812	0	33	9.49	2.73	11.03	2.22
07/08/92	36864	112	2765	26958	28840	1355	1557	0	29		3.05		2.47
08/06/92	627648	349	43090					190	168				

Phillips Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/15/91	48756	242	3669	12885	10642	650	577	23	10	5.59	1.97	6.12	1.68
09/17/91	31696	205	2390	-5521	-11266	-279	-612	21	8	7.91	1.92	9.34	1.68
10/16/91	28366	187	1789	-6621	-5441	-280	-247	21	8	8.19	1.88	8.02	1.55
11/14/91	23052	158	1460	-5306	3510	-225	160	19	13	7.71	2.53	5.37	1.67
12/16/91	19302	154	1230	-7117	-399	-304	-18	13	18	8.85	3.14	6.84	2.16
01/16/92	24630	149	1561	-2727	1152	-116	53	20	9	7.78	3.10	6.90	2.16
02/14/92	24366	163	1549	-7927	-2650	-338	-121	20	11	8.27	2.97	7.07	2.22
03/16/92	20530	161	1305	-42325	-29989	-1803	-1373	37	22	8.82	2.91	7.26	2.06
04/14/92	26916	185	1696	-9176	-1972	-387	-89	20	9	8.55	2.67	7.02	1.75
05/13/92	26236	130	1989	3715	4208	189	230	16	17	8.43	2.25	8.73	1.75
06/15/92	13788	74	1058	7924	9032	407	499	0	29	9.49	2.73	11.03	2.22
07/14/92	9312	91	731	986	2567	52	145	0	30		3.05		2.47
08/13/92	296950	242	20427	-61209	-20605	-4211	-1417	210	184				

Bluebonnet Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/15/91	48336	179	3624	22804	21239	1146	1147	22	10	5.59	1.97	6.12	1.68
09/16/91	30384	158	2277	1700	-2728	85	-147	21	8	7.91	1.92	9.34	1.68
10/15/91	25920	144	1623	-1022	-113	-43	-5	21	8	8.19	1.88	8.02	1.55
10/13/91	21792	97	1368	4628	9956	195	450	19	12	7.71	2.53	5.37	1.67
12/14/91	19200	82	1209	4876	8532	206	387	13	19	8.85	3.14	6.84	2.16
01/15/92	22320	85	1403	6052	8340	255	377	21	9	7.78	3.10	6.90	2.16
02/14/92	17568	73	1112	3755	5954	159	271	20	8	8.27	2.97	7.07	2.22
03/13/92	17520	86	1103	1630	4879	69	221	16	15	8.82	2.91	7.26	2.06
04/13/92	23952	145	1499	-5577	292	-234	13	21	9	8.55	2.67	7.02	1.75
05/13/92	23952	132	1804	2275	2509	115	136	16	13	8.43	2.25	8.73	1.75
06/11/92	26688	83	1999	19203	20617	964	1112	0	33	9.49	2.73	11.03	2.22
07/14/92	27600	177	2075	12486	15356	629	831	0	28		3.05		2.47
08/11/92	305232	179	21096	72810	94834	5032	6554	190	172				

Glen Park Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/15/91	55690	214	4186	25165	23295	1267	1261	22	10	5.59	1.97	6.12	1.68
09/16/91	38030	218	2860	-1547	-7657	-78	-415	21	8	7.91	1.92	9.34	1.68
10/15/91	29910	170	1884	-1897	-823	-80	-37	21	8	8.19	1.88	8.02	1.55
10/13/91	26700	143	1686	1397	9252	59	421	19	12	7.71	2.53	5.37	1.67
12/14/91	24320	135	1540	737	6757	31	308	13	19	8.85	3.14	6.84	2.16
01/15/92	28580	133	1806	4160	7623	176	347	20	9	7.78	3.10	6.90	2.16
02/13/92	23810	132	1510	-74	3743	-3	171	19	8	8.27	2.97	7.07	2.22
03/11/92	21970	132	1392	-1652	3112	-70	142	16	13	8.82	2.91	7.26	2.06
04/09/92	29930	144	1882	1453	7192	61	326	20	10	8.55	2.67	7.02	1.75
05/09/92	32500	188	2455	-3130	-2965	-158	-161	19	13	8.43	2.25	8.73	1.75
06/10/92	28597	99	2154	20481	22014	1034	1194	0	30	9.49	2.73	11.03	2.22
07/10/92	28485	114	2156	18403	20317	933	1107	0	29		3.05		2.47
08/08/92	368522	218	25511					190	169				

West Handley Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/01/91	25440	82	1910	17787	17806	895	963	10	19	5.59	1.97	6.12	1.68
08/30/91	16320	62	1226	3964	2064	200	112	23	9	7.91	1.92	9.34	1.68
10/01/91	9600	43	604	1555	1826	66	83	21	8	8.19	1.88	8.02	1.55
10/30/91	9600	48	607	615	3406	26	155	20	13	7.71	2.53	5.37	1.67
'12/02/91	7200	29	560	2241	3480	117	195	14	15	8.85	3.14	6.84	2.16
12/31/91	8640	24	549	4197	4868	179	223	19	12	7.78	3.10	6.90	2.16
01/31/92	9120	34	582	1360	2599	58	119	24	10	8.27	2.97	7.07	2.22
'03/05/92	7200	29	459	2010	3057	86	140	16	13	8.82	2.91	7.26	2.06
04/03/92	7680	24	488	2665	3680	113	168	21	11	8.55	2.67	7.02	1.75
05/05/92	12000	48	907	1824	1689	92	92	23	8	8.43	2.25	8.73	1.75
06/04/92	30720	82	2289	23549	24904	1176	1336	0	32	9.49	2.73	11.03	2.22
07/06/92	30240	86	2264	22634	24078	1135	1298	0	29		3.05		2.47
08/04/92	173760	86	12445	84401	93458	6045	6694	191	179				

South Hill Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/14/91	72278	318	5422	32250	29976	1621	1619	19	10	5.59	1.97	6.12	1.68
09/12/91	547568	308	40663	489808	480660	24370	25700	22	7	7.91	1.92	9.34	1.68
10/11/91	61486	260	3832	9731	11592	406	520	22	10	8.19	1.88	8.02	1.55
11/12/91	39118	168	2451	8521	17997	358	812	20	11	7.71	2.53	5.37	1.67
12/13/91	35110	163	2206	7568	14667	319	664	12	20	8.85	3.14	6.84	2.16
01/14/92	40670	173	2553	8906	13411	375	606	20	9	7.78	3.10	6.90	2.16
02/12/92	27554	142	1737	5053	8603	213	390	17	6	8.27	2.97	7.07	2.22
03/05/92	27352	145	1724	2683	7688	113	349	15	13	8.82	2.91	7.26	2.06
04/03/92	51334	234	3201	2433	12333	102	554	21	11	8.55	2.67	7.02	1.75
05/05/92	52878	279	3970	-1562	-2184	-79	-118	21	8	8.43	2.25	8.73	1.75
06/03/92	47940	197	3587	28844	31796	1446	1713	1	32	9.49	2.73	11.03	2.22
07/06/92	44252	198	3329	26740	30066	1348	1628	0	29		3.05		2.47
08/04/92	1047540	318	74675		656605		46807	190	166				

M H Moore Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/31/91	51264	305	3834	23399	23383	1173	1259	10	18	5.59	1.97	6.12	1.68
08/28/91	82416	306	6163	29940	22460	1500	1209	19	11	7.91	1.92	9.34	1.68
09/27/91	66768	275	4977	8558	10437	427	560	24	8	8.19	1.88	8.02	1.55
10/29/91	35136	195	2192	609	11271	25	506	20	9	7.71	2.53	5.37	1.67
11/27/91	29664	156	1853	140	7572	6	341	15	18	8.85	3.14	6.84	2.16
12/30/91	30672	155	1917	3910	8117	164	365	17	13	7.78	3.10	6.90	2.16
01/29/92	32208	172	2015	-1760	3628	-74	163	21	8	8.27	2.97	7.07	2.22
02/27/92	30912	205	1938	-8774	-707	-369	-32	17	15	8.82	2.91	7.26	2.06
03/30/92	42144	283	2622	-15488	-4033	-646	-181	21	9	8.55	2.67	7.02	1.75
04/29/92	56496	321	3505	-6139	-6855	-255	-306	21	8	8.43	2.25	8.73	1.75
05/28/92	43632	229	3267	17121	18317	859	987	5	25	9.49	2.73	11.03	2.22
06/27/92	52464	204	3907	32555	36336	1624	1948	0	32		3.05		2.47
07/29/92	553776	321	38190					190	174				

Ridglea Hill Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/14/91	65424	212	4897	38320	36866	1922	1987	19	11	5.59	1.97	6.12	1.68
09/13/91	47856	216	3574	5224	-1446	261	-78	23	8	7.91	1.92	9.34	1.68
10/14/91	39360	212	2454	-305	1034	-13	46	21	8	8.19	1.88	8.02	1.55
11/12/91	29280	146	1829	2689	10925	113	491	20	11	7.71	2.53	5.37	1.67
12/13/91	31152	150	1947	5806	12339	243	555	12	20	8.85	3.14	6.84	2.16
01/14/92	34656	138	2166	9318	12912	390	581	20	9	7.78	3.10	6.90	2.16
02/12/92	27408	169	1719	-1772	2910	-74	131	18	8	8.27	2.97	7.07	2.22
03/09/92	26016	170	1627	-4406	1729	-185	78	16	13	8.82	2.91	7.26	2.06
04/07/92	40608	174	2525	5174	12216	216	547	21	9	8.55	2.67	7.02	1.75
05/07/92	43440	210	3253	2342	2359	118	127	20	12	8.43	2.25	8.73	1.75
06/08/92	37680	117	2812	28088	29901	1404	1607	0	30	9.49	2.73	11.03	2.22
07/08/92	39888	124	2989	28921	31004	1452	1673	0	29		3.05		2.47
08/06/92	462768	216	31792					190	168				

Greenbria Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/06/91	35756	228	2716	9905	9090	504	497	15	15	5.59	1.97	6.12	1.68
09/05/91	46385	220	3494	2541	-4200	128	-228	23	9	7.91	1.92	9.34	1.68
10/07/91	35116	184	2220	2197	3327	93	151	20	8	8.19	1.88	8.02	1.55
11/04/91	33191	158	2101	3196	12479	136	569	21	11	7.71	2.53	5.37	1.67
12/06/91	23909	137	1529	760	6727	33	310	12	20	8.85	3.14	6.84	2.16
01/07/92	33648	147	2134	6658	10485	283	479	20	9	7.78	3.10	6.90	2.16
02/05/92	27474	142	1748	1781	5886	76	270	19	8	8.27	2.97	7.07	2.22
03/02/92	24549	143	1565	221	5157	9	237	15	13	8.82	2.91	7.26	2.06
03/31/92	29522	141	1872	808	6515	34	297	21	9	8.55	2.67	7.02	1.75
04/30/92	35103	180	2663	-19	-421	-1	-23	21	8	8.43	2.25	8.73	1.75
05/29/92	16717	111	1290	4010	4932	207	274	4	28	9.49	2.73	11.03	2.22
06/30/92	14582	151	1138	1227	3763	64	211	0	29		3.05		2.47
07/29/92	355952	228	24470					191	167				

Eastland Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/13/91	53520	241	4010	22709	21056	1140	1136	19	11	5.59	1.97	6.12	1.68
09/12/91	41520	198	3103	5955	357	298	19	21	7	7.91	1.92	9.34	1.68
10/10/91	38520	97	2401	19211	19906	802	893	22	10	8.19	1.88	8.02	1.55
11/11/91	20160	112	1267	-238	6080	-10	275	20	11	7.71	2.53	5.37	1.67
12/12/91	16080	104	1016	-1493	3037	-63	138	12	20	8.85	3.14	6.84	2.16
01/13/92	19920	82	1255	4864	6999	205	318	20	9	7.78	3.10	6.90	2.16
02/11/92	15000	118	949	-2722	86	-115	4	16	6	8.27	2.97	7.07	2.22
03/04/92	16320	114	1029	-4081	33	-172	2	16	13	8.82	2.91	7.26	2.06
04/02/92	35400	191	2204	-4515	3566	-188	160	21	11	8.55	2.67	7.02	1.75
05/04/92	56040	252	4191	4743	4106	238	221	22	8	8.43	2.25	8.73	1.75
06/03/92	40680	200	3034	24025	26506	1201	1423	1	27	9.49	2.73	11.03	2.22
07/01/92	44460	196	3342	24734	28480	1246	1541	0	33		3.05		2.47
08/03/92	397620	252	27801		120212		8405	190	166				

Eastern Hill Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/01/91	45560	232	3432	23907	23963	1207	1300	10	19	5.59	1.97	6.12	1.68
08/30/91	55080	257	4124	3862	-4013	194	-216	23	9	7.91	1.92	9.34	1.68
10/01/91	40640	237	2533	-3702	-2206	-155	-99	21	8	8.19	1.88	8.02	1.55
10/30/91	39200	193	2456	1583	13257	66	598	21	13	7.71	2.53	5.37	1.67
12/03/91	28320	179	1787	-1826	5808	-77	264	13	17	8.85	3.14	6.84	2.16
01/02/92	38880	173	2443	7926	12441	334	563	19	10	7.78	3.10	6.90	2.16
01/31/92	39440	158	2487	2071	8019	87	364	25	10	8.27	2.97	7.07	2.22
03/06/92	27080	166	1707	-3591	2680	-152	122	16	15	8.82	2.91	7.26	2.06
04/06/92	37000	172	2317	1973	8935	83	403	21	9	8.55	2.67	7.02	1.75
05/06/92	40440	194	3045	2149	1813	108	98	21	9	8.43	2.25	8.73	1.75
06/05/92	38560	139	2892	26405	28702	1327	1550	0	32	9.49	2.73	11.03	2.22
07/07/92	25880	129	1962	14471	16638	735	908	0	29		3.05		2.47
08/05/92	456080	257	31185					190	180				

Tanglewood Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/15/91	48480	196	3634	19428	17611	976	950	23	10	5.59	1.97	6.12	1.68
09/17/91	32576	184	2440	628	-4267	32	-230	20	8	7.91	1.92	9.34	1.68
10/15/91	39392	169	2455	6388	7484	267	336	22	8	8.19	1.88	8.02	1.55
11/14/91	35504	157	2214	7326	16086	306	722	19	13	7.71	2.53	5.37	1.67
12/16/91	33104	112	2068	14882	19542	623	879	12	18	8.85	3.14	6.84	2.16
01/15/92	39024	167	2437	7062	11557	295	520	21	9	7.78	3.10	6.90	2.16
02/14/92	30960	158	1942	1064	5823	45	263	20	8	8.27	2.97	7.07	2.22
03/13/92	25600	136	1602	472	5610	20	253	16	15	8.82	2.91	7.26	2.06
04/13/92	33040	162	2060	1435	7744	60	348	20	9	8.55	2.67	7.02	1.75
05/12/92	34832	176	2613	4048	4396	203	237	17	14	8.43	2.25	8.73	1.75
06/12/92	46240	89	3446	38457	39928	1920	2142	0	32	9.49	2.73	11.03	2.22
07/14/92	35808	88	2686	28293	29720	1422	1605	0	28		3.05		2.47
08/11/92	434560	196	29597	129484		8819		190	172				

Bruce Shulkey Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/12/91	51135	264	3847	18858	17187	951	931	18	11	5.59	1.97	6.12	1.68
09/10/91	49924	244	3742	3697	-3491	186	-188	22	8	7.91	1.92	9.34	1.68
10/10/91	39986	196	3506	3315	4552	195	287	21	8	8.19	1.88	8.02	1.55
11/08/91	39968	181	2504	6086	16610	255	749	20	13	7.71	2.53	5.37	1.67
12/11/91	37262	153	2340	12369	18736	520	847	12	18	8.85	3.14	6.84	2.16
01/10/92	49958	171	3128	17501	22273	734	1004	20	11	7.78	3.10	6.90	2.16
02/10/92	33283	161	2095	5107	9521	215	431	19	6	8.27	2.97	7.07	2.22
03/06/92	35187	184	2208	1190	8142	50	368	16	15	8.82	2.91	7.26	2.06
04/06/92	33197	145	2083	3668	9537	154	431	21	9	8.55	2.67	7.02	1.75
05/06/92	33759	207	2549	-7098	-7456	-359	-405	21	9	8.43	2.25	8.73	1.75
06/05/92	41691	132	3123	30148	32329	1513	1744	0	32	9.49	2.73	11.03	2.22
07/07/92	42554	137	3203	30855	33077	1556	1793	0	28		3.05		2.47
08/04/92	487904	264	34328	125698		8844		190	168				

Kirkpatrik Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/30/91	62520	179	4671	45814	45857	2293	2467	10	19	5.59	1.97	6.12	1.68
08/28/91	63720	235	4770	23420	17676	1175	953	19	11	7.91	1.92	9.34	1.68
09/27/91	48660	197	3633	8574	9886	429	531	23	8	8.19	1.88	8.02	1.55
10/28/91	34440	197	2150	-1462	9601	-61	432	21	8	7.71	2.53	5.37	1.67
11/26/91	37320	197	2326	1272	10275	53	461	15	16	8.85	3.14	6.84	2.16
12/27/91	29400	197	1839	-6446	-546	-270	-25	17	16	7.78	3.10	6.90	2.16
01/29/92	33240	169	2079	-135	5159	-6	232	21	8	8.27	2.97	7.07	2.22
02/27/92	25500	182	1603	-7069	-502	-298	-23	16	13	8.82	2.91	7.26	2.06
03/27/92	36720	182	2287	-1314	6386	-55	286	21	11	8.55	2.67	7.02	1.75
04/28/92	43200	200	2685	4175	3729	174	167	21	8	8.43	2.25	8.73	1.75
05/27/92	44400	167	3325	23938	24467	1201	1319	6	24	9.49	2.73	11.03	2.22
06/26/92	48900	166	3643	32700	35776	1632	1919	0	32		3.05		2.47
07/28/92	508020	235	35011					190	174				

Como Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/15/91	121380	337	9065	53570	43327	2681	2330	23	10	7.91	1.92	9.34	1.68
09/17/91	68220	364	5084	3098	5333	155	286	20	8	8.19	1.88	8.02	1.55
10/15/91	63840	286	3965	9512	26243	396	1174	22	8	7.71	2.53	5.37	1.67
11/14/91	46680	264	2903	-33429	-13253	-1393	-593	24	29	8.85	3.14	6.84	2.16
01/06/92	41820	209	2609	-10866	-3561	-454	-160	28	11	7.78	3.10	6.90	2.16
02/14/92	36000	224	2252	-824	5113	-35	230	17	8	8.27	2.97	7.07	2.22
03/10/92	42540	209	2646	5139	12681	214	568	16	13	8.82	2.91	7.26	2.06
04/08/92	63000	254	3905	11274	21555	468	962	21	9	8.55	2.67	7.02	1.75
05/08/92	64500	259	4820	15997	16095	801	866	19	12	8.43	2.25	8.73	1.75
06/08/92	59040	259	4394	37099	41245	1850	2210	0	31	9.49	2.73	11.03	2.22
07/09/92	69960	184	5225	53687	56777	2686	3053	0	29		3.05		2.47
08/07/92	69960	184	5225	47707	47005	2387	2528	16	16	5.59	1.97	6.12	1.68
	746940	364	52093					206	184				

Versia Williams Elementary

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/02/91	75216	239	5626	45683	45513	2289	2451	14	23	5.59	1.97	6.12	1.68
09/03/91	60240	240	4492	16669	9943	833	534	21	8	7.91	1.92	9.34	1.68
10/02/91	49968	217	3090	11145	12478	462	556	20	8	8.19	1.88	8.02	1.55
10/30/91	33072	156	2063	2667	12102	111	544	21	13	7.71	2.53	5.37	1.67
12/03/91	24000	139	1505	1462	7121	61	321	13	15	8.85	3.14	6.84	2.16
12/31/92	32496	148	2033	5098	9236	214	416	19	12	7.78	3.10	6.90	2.16
01/31/92	39360	157	2466	-4	6332	-0	286	26	12	8.27	2.97	7.07	2.22
03/09/92	28992	150	1810	2149	7562	90	340	16	13	8.82	2.91	7.26	2.06
04/07/92	48768	228	3028	4287	13166	178	589	20	9	8.55	2.67	7.02	1.75
05/06/92	51408	204	3846	9764	9719	489	524	21	12	8.43	2.25	8.73	1.75
06/08/92	44256	116	3299	34746	36543	1735	1961	0	30	9.49	2.73	11.03	2.22
07/08/92	47616	161	3564	33868	36479	1698	1966	0	28		3.05		2.47
08/05/92	535392	240	36822	167535	206194	11522	14181	191	183				

Maude I Logan Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/13/91	90055	298	6746	51957	49912	2608	2692	19	11	5.59	1.97	6.12	1.68
09/12/91	59588	302	4459	2953	-6016	148	-324	22	7	7.91	1.92	9.34	1.68
10/11/91	50605	253	3162	2316	4083	97	184	21	10	8.19	1.88	8.02	1.55
11/11/91	29982	148	1888	3027	11376	128	516	20	11	7.71	2.53	5.37	1.67
12/12/91	27212	166	1719	-837	6393	-35	291	12	20	8.85	3.14	6.84	2.16
01/13/92	31608	172	1992	28	4506	1	204	20	9	7.78	3.10	6.90	2.16
02/11/92	22362	161	1416	-3149	876	-134	40	17	6	8.27	2.97	7.07	2.22
03/05/92	23922	180	1513	-8290	-1794	-351	-82	16	13	8.82	2.91	7.26	2.06
04/03/92	52050	251	3245	-404	10216	-17	459	21	11	8.55	2.67	7.02	1.75
05/05/92	61485	251	4610	10392	9757	522	527	22	8	8.43	2.25	8.73	1.75
06/04/92	48300	235	3613	27108	31112	1359	1676	0	33	9.49	2.73	11.03	2.22
07/07/92	72318	200	5417	52800	56506	2650	3047	0	32		3.05		2.47
07/07/92	569487	302	39780	137900	176926	9633	12359	190	171				

G W Carver Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/07/91	6900	13	529	5477	5423	281	299	15	13	5.59	1.97	6.12	1.68
09/04/91	9180	14	696	6528	6115	332	334	22	8	7.91	1.92	9.34	1.68
10/03/91	9300	14	589	6795	6881	288	314	20	8	8.19	1.88	8.02	1.55
11/01/91	9960	13	630	7226	8073	306	368	23	13	7.71	2.53	5.37	1.67
12/05/91	10560	14	667	8318	8900	352	405	11	20	8.85	3.14	6.84	2.16
01/06/92	8760	13	557	6373	6712	272	307	20	9	7.78	3.10	6.90	2.16
02/04/92	8460	13	530	6000	6392	252	288	20	8	8.27	2.97	7.07	2.22
03/03/92	8100	13	520	5774	6243	248	289	16	13	8.82	2.91	7.26	2.06
04/01/92	8100	14	520	5249	5816	226	269	21	9	8.55	2.67	7.02	1.75
05/01/92	8880	13	540	8880	8880	362	389	0	0	8.43	2.25	8.73	1.75
06/02/92	8160	13	519	6990	7124	298	326	2	26	9.49	2.73	11.03	2.22
06/30/92	8160	12	457	7026	7241	264	292	0	31		3.05		2.47
07/31/92	104520	14	6754	80635	83799	5211	5415	170	158				

Maudrie Walton Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/13/91	48528	237	3638	18695	17001	939	918	19	10	5.59	1.97	6.12	1.68
09/11/91	43680	221	3263	2660	-3957	133	-213	22	6	7.91	1.92	9.34	1.68
10/11/91	34608	189	2159	-1466	-146	-61	-7	21	10	8.19	1.88	8.02	1.55
11/11/91	28512	130	1782	4835	12169	202	548	20	11	7.71	2.53	5.37	1.67
12/12/91	21552	125	1354	431	5875	18	266	12	20	8.85	3.14	6.84	2.16
01/13/92	24288	140	1525	-2507	1262	-105	57	21	9	7.78	3.10	6.90	2.16
02/11/92	19008	132	1198	-816	2325	-34	105	16	6	8.27	2.97	7.07	2.22
03/05/92	19680	120	1236	-1794	2536	-76	115	16	13	8.82	2.91	7.26	2.06
04/03/92	28080	147	1754	-2640	3580	-110	161	21	11	8.55	2.67	7.02	1.75
05/05/92	35088	192	2632	-3995	-4481	-201	-242	22	8	8.43	2.25	8.73	1.75
06/04/92	42480	137	3169	30500	32763	1524	1760	0	32	9.49	2.73	11.03	2.22
07/06/92	46320	162	3467	31992	34713	1604	1871	0	29		3.05		2.47
08/04/92	391824	237	27177	75896	103639	5264	7188	190	165				

Sunrise Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/13/91	60544	239	4533	29989	28349	1504	1528	19	11	5.59	1.97	6.12	1.68
09/12/91	44320	220	3311	5698	-101	285	-5	20	9	7.91	1.92	9.34	1.68
10/11/91	40880	177	2547	7097	8333	296	374	21	10	8.19	1.88	8.02	1.55
11/11/91	32896	138	2053	7762	15547	325	699	20	11	7.71	2.53	5.37	1.67
12/12/91	25584	121	1603	5138	10409	216	470	12	20	8.85	3.14	6.84	2.16
01/13/92	26992	119	1692	5143	8241	216	372	20	9	7.78	3.10	6.90	2.16
02/11/92	19840	111	1248	3170	5811	134	263	16	6	8.27	2.97	7.07	2.22
03/04/92	25504	119	1595	4209	8503	176	383	16	13	8.82	2.91	7.26	2.06
04/02/92	37136	164	2311	2863	9802	119	439	21	11	8.55	2.67	7.02	1.75
05/04/92	37936	191	2844	-944	-1427	-47	-77	22	8	8.43	2.25	8.73	1.75
06/03/92	30912	115	2311	21021	22507	1053	1212	1	28	9.49	2.73	11.03	2.22
07/02/92	37312	114	2797	26187	28299	1315	1527	0	32		3.05		2.47
08/03/92	419856	239	28845	117333	144273	8061	9912	188	168				

Westcreek Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/02/91	96843	343	7252	57841	57096	2902	3078	14	18	5.59	1.97	6.12	1.68
09/03/91	80862	321	6037	21969	13050	1099	701	21	9	7.91	1.92	9.34	1.68
10/02/91	75111	338	4676	9103	11296	380	506	22	8	8.19	1.88	8.02	1.55
11/01/91	64281	252	4004	17109	31760	714	1424	20	13	7.71	2.53	5.37	1.67
12/04/91	49428	245	3091	10335	20292	433	914	12	17	8.85	3.14	6.84	2.16
01/02/92	62166	256	3883	12781	20166	535	907	20	12	7.78	3.10	6.90	2.16
02/03/92	54992	247	3446	8257	15696	347	708	20	8	8.27	2.97	7.07	2.22
03/02/92	49416	252	3085	4320	13413	181	603	16	13	8.82	2.91	7.26	2.06
03/31/92	61266	276	3814	5060	16231	211	728	21	9	8.55	2.67	7.02	1.75
04/30/92	59205	309	4441	-1088	-1778	-55	-96	21	8	8.43	2.25	8.73	1.75
05/29/92	60264	192	4499	38809	40305	1941	2166	4	27	9.49	2.73	11.03	2.22
06/29/92	65862	177	4936	49128	52306	2467	2822	0	31		3.05		2.47
07/30/92	779696	343	53164	233623	289834	15930	19762	191	173				

Atwood McDonald Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/08/91	53100	214	3979	29258	28431	1469	1534	15	14	5.59	1.97	6.12	1.68
09/06/91	57420	235	4283	11038	3781	552	203	23	8	7.91	1.92	9.34	1.68
10/07/91	44160	181	2750	8813	9987	368	448	22	8	8.19	1.88	8.02	1.55
11/06/91	31980	159	1996	4248	12845	178	577	19	11	7.71	2.53	5.37	1.67
12/06/91	27720	159	1735	854	7779	36	351	12	20	8.85	3.14	6.84	2.16
01/07/92	34800	118	2176	11297	14578	473	656	22	9	7.78	3.10	6.90	2.16
02/06/92	32460	142	2035	3574	8236	150	372	21	10	8.27	2.97	7.07	2.22
03/09/92	27480	155	1717	-258	5336	-11	240	16	13	8.82	2.91	7.26	2.06
04/07/92	36180	145	2252	7892	13538	329	607	20	9	8.55	2.67	7.02	1.75
05/06/92	42120	185	3156	4355	4314	219	233	21	12	8.43	2.25	8.73	1.75
06/08/92	32880	91	2457	25420	26829	1273	1443	0	30	9.49	2.73	11.03	2.22
07/08/92	36700	108	2758	27148	28962	1367	1567	0	29		3.05		2.47
08/06/92	457000	235	31294	133639	164614	9151	11272	191	173				

Bill J Elliott Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/07/91	60600	240	4529	32442	31724	1624	1707	15	17	5.59	1.97	6.12	1.68
09/06/91	54600	240	4065	10054	2867	501	154	22	6	7.91	1.92	9.34	1.68
10/04/91	46200	240	2867	392	2068	16	92	21	10	8.19	1.88	8.02	1.55
11/04/91	35400	240	2199	-10162	3939	-423	176	21	11	7.71	2.53	5.37	1.67
12/06/91	28200	180	1757	-2215	5625	-92	252	12	20	8.85	3.14	6.84	2.16
01/07/92	30000	180	1870	-3049	1638	-127	73	20	9	7.78	3.10	6.90	2.16
02/05/92	36000	150	2246	5136	10016	215	450	22	8	8.27	2.97	7.07	2.22
03/06/92	31800	138	1976	6303	11516	262	515	16	15	8.82	2.91	7.26	2.06
04/06/92	49800	210	3084	7034	15534	292	693	21	9	8.55	2.67	7.02	1.75
05/06/92	51600	168	3853	18441	18150	923	976	21	9	8.43	2.25	8.73	1.75
06/05/92	47400	60	3524	42153	43145	2100	2309	0	32	9.49	2.73	11.03	2.22
07/07/92	45000	150	3362	31734	34253	1588	1843	0	29		3.05		2.47
08/05/92	516600	240	35332	138262	180475	9456	12343	191	175				

Mclean Middle School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/15/91	136120	438	10178	73645	69816	3689	3759	22	10	5.59	1.97	6.12	1.68
09/16/91	92240	256	6881	45765	38589	2287	2073	21	8	7.91	1.92	9.34	1.68
10/15/91	73760	286	4592	20250	22056	845	989	21	8	8.19	1.88	8.02	1.55
11/13/91	57560	182	3589	25356	35353	1059	1587	19	12	7.71	2.53	5.37	1.67
12/14/91	43040	211	2696	6181	15590	259	703	13	19	8.85	3.14	6.84	2.16
01/15/92	53960	217	3376	12428	18269	521	823	21	9	7.78	3.10	6.90	2.16
02/14/92	48560	199	3047	10907	16900	459	764	20	8	8.27	2.97	7.07	2.22
03/13/92	40280	268	2522	-9237	888	-387	40	16	15	8.82	2.91	7.26	2.06
04/13/92	75460	444	4689	-14959	3013	-623	135	21	9	8.55	2.67	7.02	1.75
05/13/92	70820	231	5305	32884	33294	1650	1796	16	13	8.43	2.25	8.73	1.75
06/11/92	83720	284	6235	58109	62948	2900	3375	0	33	9.49	2.73	11.03	2.22
07/14/92	80440	296	6020	55164	59964	2766	3231	0	28		3.05		2.47
08/11/92	855960	444	59130	316493	376682	21863	26021	190	172				

Rosemont Middle School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/26/91	90300	432	6737	51402	52467	2569	2818	8	23	5.59	1.97	6.12	1.68
08/26/91	137400	441	10259	56491	44238	2826	2378	21	9	7.91	1.92	9.34	1.68
09/25/91	113250	411	8425	32986	35652	1644	1910	22	8	8.19	1.88	8.02	1.55
10/25/91	71700	332	4450	13756	31622	572	1413	20	8	7.71	2.53	5.37	1.67
11/22/91	73950	311	4586	10559	26324	439	1175	17	17	8.85	3.14	6.84	2.16
12/26/91	64950	254	4035	64950	64950	2703	2905	0	0	7.78	3.10	6.90	2.16
01/27/92	64500	258	4012	13549	21630	565	969	21	8	8.27	2.97	7.07	2.22
02/25/92	75450	327	4698	11161	23987	466	1075	18	13	8.82	2.91	7.26	2.06
03/27/92	94950	360	5878	19718	34949	818	1558	21	11	8.55	2.67	7.02	1.75
04/28/92	111750	417	6910	26866	25812	1113	1149	22	8	8.43	2.25	8.73	1.75
05/28/92	84600	326	6315	47750	49285	2388	2649	5	24	9.49	2.73	11.03	2.22
06/26/92	98850	336	7341	67084	73116	3338	3910	0	31		3.05		2.47
07/27/92	1081650	441	73646	416271	484031	28343	32956	175	160				

Daggett Middle School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/05/91	67008	313	5014	32651	31789	1637	1713	14	16	5.59	1.97	6.12	1.68
09/03/91	89856	317	6689	32307	23421	1611	1255	21	8	7.91	1.92	9.34	1.68
10/02/91	72480	291	4498	15651	17539	651	784	22	8	8.19	1.88	8.02	1.55
11/01/91	54240	208	3370	15304	27397	637	1226	20	13	7.71	2.53	5.37	1.67
12/04/91	41856	199	2608	9479	17760	396	797	12	18	8.85	3.14	6.84	2.16
01/03/92	48288	193	3009	48288	48288	2016	2166	0	0	7.78	3.10	6.90	2.16
02/03/92	49920	210	3117	8448	15026	353	676	21	8	8.27	2.97	7.07	2.22
03/03/92	38688	182	2409	6119	12686	255	569	16	13	8.82	2.91	7.26	2.06
04/01/92	51264	223	3184	5851	14877	243	665	21	9	8.55	2.67	7.02	1.75
05/01/92	66048	255	4935	12992	12603	650	678	22	10	8.43	2.25	8.73	1.75
06/02/92	56064	182	4173	39181	41159	1954	2206	2	27	9.49	2.73	11.03	2.22
07/01/92	61440	159	4592	47378	50048	2372	2693	0	29		3.05		2.47
07/30/92	697152	317	47598	273647	312594	18683	21342	171	159				

WM James Middle School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/09/91	176760	638	13191	98550	95407	4927	5126	17	14	5.59	1.97	6.12	1.68
09/09/91	161640	638	12015	40767	21974	2030	1176	22	8	7.91	1.92	9.34	1.68
10/09/91	131280	638	8129	11912	15940	494	711	21	8	8.19	1.88	8.02	1.55
11/07/91	96840	415	5998	19155	43284	795	1930	20	13	7.71	2.53	5.37	1.67
12/10/91	63720	415	3959	63720	63720	2653	2850	0	0	8.85	3.14	6.84	2.16
01/08/92	85440	415	5307	6013	17184	250	768	21	9	7.78	3.10	6.90	2.16
02/07/92	67800	415	4221	3011	13509	126	606	16	8	8.27	2.97	7.07	2.22
03/02/92	72000	344	4463	10440	22854	434	1020	16	13	8.82	2.91	7.26	2.06
03/31/92	108840	444	6731	18421	36393	763	1620	21	9	8.55	2.67	7.02	1.75
04/30/92	130440	416	9724	49268	48340	2461	2595	21	8	8.43	2.25	8.73	1.75
05/29/92	113160	282	8400	80878	83221	4022	4448	4	28	9.49	2.73	11.03	2.22
06/30/92	102000	393	7609	64845	71901	3241	3862	0	31		3.05		2.47
07/30/92	1309920	638	89747	466980	533726	31994	36567	179	149				

Meadowbrook Middle School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/01/91	70090	362	5259	36304	36391	1825	1966	10	19	5.59	1.97	6.12	1.68
08/30/91	97610	406	7279	16697	4258	834	229	23	9	7.91	1.92	9.34	1.68
10/01/91	79860	377	4940	9324	11705	386	521	21	8	8.19	1.88	8.02	1.55
10/30/91	59200	257	3690	9109	24654	380	1106	21	13	7.71	2.53	5.37	1.67
12/03/91	39560	272	2482	-4543	6530	-191	295	13	15	8.85	3.14	6.84	2.16
12/31/91	51140	256	3201	3748	10907	157	492	19	12	7.78	3.10	6.90	2.16
01/31/92	47890	195	3005	8223	14624	346	661	21	10	8.27	2.97	7.07	2.22
03/02/92	38790	237	2430	-3622	4930	-152	222	16	13	8.82	2.91	7.26	2.06
03/31/92	63040	310	3917	63040	63040	2624	2820	0	0	8.55	2.67	7.02	1.75
04/30/92	87080	322	6514	20083	19593	1007	1055	22	10	8.43	2.25	8.73	1.75
06/01/92	73120	255	5451	47742	49990	2385	2683	3	26	9.49	2.73	11.03	2.22
06/30/92	74070	262	5546	50099	54651	2513	2946	0	30		3.05		2.47
07/30/92	781450	406	53714	256206	301272	17611	20708	169	165				

Riverside Middle School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/01/91	107700	442	8030	67319	67296	3363	3613	10	18	5.59	1.97	6.12	1.68
08/29/91	139500	477	10416	47294	33476	2366	1800	22	10	7.91	1.92	9.34	1.68
09/30/91	124400	432	9252	40035	42838	1995	2294	22	8	8.19	1.88	8.02	1.55
10/30/91	59200	291	3678	9919	25148	413	1125	19	9	7.71	2.53	5.37	1.67
11/27/91	48000	187	2985	12022	21113	501	945	15	19	8.85	3.14	6.84	2.16
12/31/91	46400	192	2889	12351	17551	515	787	18	12	7.78	3.10	6.90	2.16
01/30/92	46100	196	2874	7393	13532	309	607	21	8	8.27	2.97	7.07	2.22
02/28/92	59800	202	3716	7044	17551	293	785	24	17	8.82	2.91	7.26	2.06
04/09/92	98300	184	6081	59848	67633	2481	3012	21	11	8.55	2.67	7.02	1.75
05/11/92	98400	418	7341	23646	23928	1182	1285	18	12	8.43	2.25	8.73	1.75
06/10/92	92200	314	6849	66458	71322	3308	3815	0	30	9.49	2.73	11.03	2.22
07/10/92	103800	352	7742	70521	76841	3524	4126	0	31		3.05		2.47
08/10/92	1023800	477	71853	423851	478229	29747	33563	190	185				

Morning Middle School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/15/91	158444	438	11872	93521	89461	4695	4826	23	10	5.59	1.97	6.12	1.68
'09/17/91	109683	422	8204	33071	21243	1657	1144	21	8	7.91	1.92	9.34	1.68
10/16/91	87492	457	5471	1988	4874	83	219	21	8	8.19	1.88	8.02	1.55
11/14/91	67984	339	4263	7141	26056	300	1176	19	13	7.71	2.53	5.37	1.67
12/16/91	62869	361	3951	939	16686	40	755	13	18	8.85	3.14	6.84	2.16
01/16/92	64994	323	4088	5689	14099	240	639	20	9	7.78	3.10	6.90	2.16
02/14/92	63043	322	3976	-750	9674	-32	439	20	11	8.27	2.97	7.07	2.22
03/16/92	70141	372	4393	70141	70141	2943	3163	0	0	8.82	2.91	7.26	2.06
04/14/92	95913	441	5978	9878	27051	412	1214	20	9	8.55	2.67	7.02	1.75
05/13/92	98270	362	7375	35559	36929	1788	1995	16	17	8.43	2.25	8.73	1.75
06/15/92	91439	309	6837	66952	71578	3354	3853	0	29	9.49	2.73	11.03	2.22
07/14/92	129589	302	9705	101959	107205	5116	5781	0	30		3.05		2.47
08/13/92	1099861	457	76113	426087	494998	29486	34255	173	162				

Forest Oak Middle School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/15/91	208920	681	15616	111784	105832	5598	5696	22	10	5.59	1.97	6.12	1.68
09/16/91	153800	420	11463	77551	65779	3873	3530	21	8	7.91	1.92	9.34	1.68
10/15/91	122720	515	7629	26365	29616	1098	1326	21	8	8.19	1.88	8.02	1.55
11/13/91	77920	290	4861	26606	42535	1112	1911	19	12	7.71	2.53	5.37	1.67
12/14/91	47880	241	3011	5780	16527	244	748	13	19	8.85	3.14	6.84	2.16
01/15/92	76760	281	4800	25167	32483	1054	1463	20	9	7.78	3.10	6.90	2.16
02/13/92	75840	435	4748	-6467	6634	-271	299	20	8	8.27	2.97	7.07	2.22
03/11/92	76880	362	4794	15293	27789	639	1248	15	13	8.82	2.91	7.26	2.06
04/09/92	136560	464	8469	44800	63295	1862	2826	20	10	8.55	2.67	7.02	1.75
05/09/92	153560	522	11474	54629	55088	2735	2964	19	13	8.43	2.25	8.73	1.75
06/10/92	139720	306	10397	114634	119374	5715	6396	0	30	9.49	2.73	11.03	2.22
07/10/92	154520	248	11545	132586	136752	6637	7357	0	29		3.05		2.47
08/08/92	1425080	681	98807	628728	701705	43592	48652	190	169				

Wedwood Middle School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/12/91	125674	538	11636	59898	56493	3716	3766	18	11	5.59	1.97	6.12	1.68
09/10/91	126999	551	9475	22609	6378	1130	343	22	8	7.91	1.92	9.34	1.68
10/10/91	105487	544	6567	8162	11503	340	516	20	8	8.19	1.88	8.02	1.55
11/07/91	101309	433	6305	16915	43105	705	1932	21	13	7.71	2.53	5.37	1.67
12/11/91	58750	359	3682	341	15280	14	689	12	18	8.85	3.14	6.84	2.16
01/10/92	86217	333	5385	23011	32305	963	1453	20	11	7.78	3.10	6.90	2.16
02/10/92	77712	372	4861	12611	22808	529	1027	19	6	8.27	2.97	7.07	2.22
03/06/92	68020	330	4248	68020	68020	2846	3059	0	0	8.82	2.91	7.26	2.06
04/06/92	101861	461	6330	7980	26640	332	1192	21	9	8.55	2.67	7.02	1.75
05/06/92	106863	550	8000	-1695	-2645	-85	-143	21	9	8.43	2.25	8.73	1.75
06/05/92	92597	378	6909	59543	65788	2977	3534	0	32	9.49	2.73	11.03	2.22
07/07/92	83514	376	6263	50260	56575	2525	3055	0	29		3.05		2.47
08/05/92	1135003	551	79661	327655	402248	22997	28232	174	154				

New Handley Middle School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/06/91	97500	530	7286	36362	34622	1821	1863	15	16	5.59	1.97	6.12	1.68
09/05/91	111000	542	8258	9357	-6740	466	-361	22	7	7.91	1.92	9.34	1.68
10/04/91	106650	345	6608	37975	40444	1576	1804	22	10	8.19	1.88	8.02	1.55
11/05/91	92700	362	5742	26770	47190	1111	2105	20	11	7.71	2.53	5.37	1.67
12/06/91	68700	384	4266	3815	20540	159	918	12	20	8.85	3.14	6.84	2.16
01/07/92	85050	362	5284	18585	28010	774	1253	20	9	7.78	3.10	6.90	2.16
02/05/92	76500	404	4764	-6627	6515	-276	292	22	8	8.27	2.97	7.07	2.22
03/06/92	60600	264	3760	11822	21796	491	974	16	15	8.82	2.91	7.26	2.06
04/06/92	78000	398	4830	-3051	13058	-127	582	21	9	8.55	2.67	7.02	1.75
05/06/92	87600	488	6537	-8720	-9564	-436	-514	21	9	8.43	2.25	8.73	1.75
06/05/92	60450	359	4498	29057	34988	1449	1874	0	32	9.49	2.73	11.03	2.22
07/07/92	61350	333	4585	31899	37492	1597	2017	0	29		3.05		2.47
08/05/92	986100	542	66418	187244	268352	12612	18075	191	175				

Dunbar 5 6 Grade School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/13/91	78100	284	5841	41791	39843	2094	2145	19	11	5.59	1.97	6.12	1.68
09/12/91	62600	245	4667	16654	9378	832	503	22	7	7.91	1.92	9.34	1.68
10/11/91	51300	135	3191	25533	26476	1064	1186	21	10	8.19	1.88	8.02	1.55
11/11/91	33200	133	2072	8977	16479	375	741	20	11	7.71	2.53	5.37	1.67
12/12/91	26300	145	1647	1799	8115	75	366	12	20	8.85	3.14	6.84	2.16
01/13/92	28800	97	1804	10990	13516	461	610	20	9	7.78	3.10	6.90	2.16
02/11/92	22700	110	1426	5270	8020	222	363	17	6	8.27	2.97	7.07	2.22
03/05/92	23400	112	1466	3357	7399	141	334	16	13	8.82	2.91	7.26	2.06
04/03/92	39600	186	2464	730	8599	30	385	21	11	8.55	2.67	7.02	1.75
05/05/92	47300	145	3541	17784	17417	892	939	22	8	8.43	2.25	8.73	1.75
06/04/92	35500	178	2651	19448	22481	973	1209	0	33	9.49	2.73	11.03	2.22
07/07/92	41400	202	3101	24151	27426	1212	1479	0	28		3.05		2.47
08/04/92	490200	284	33871	176485	205150	12194	14175	190	167				

Meacham Middle School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/30/91	147000	420	10952	107801	107901	5381	5788	10	19	5.59	1.97	6.12	1.68
08/28/91	160900	400	12010	92304	82527	4616	4435	19	11	7.91	1.92	9.34	1.68
09/27/91	101600	398	7561	17354	20074	865	1076	24	8	8.19	1.88	8.02	1.55
10/29/91	77200	292	4790	25497	41464	1060	1852	20	9	7.71	2.53	5.37	1.67
11/27/91	66300	302	4114	9144	23532	380	1051	15	18	8.85	3.14	6.84	2.16
12/30/91	59800	300	3717	8003	16145	333	723	17	13	7.78	3.10	6.90	2.16
01/29/92	64500	292	5570	6834	15981	395	994	21	8	8.27	2.97	7.07	2.22
02/27/92	41300	244	4444	-5935	3665	-428	284	17	15	8.82	2.91	7.26	2.06
03/30/92	58800	379	5503	-15140	-381	-949	-26	20	9	8.55	2.67	7.02	1.75
04/28/92	53000	355	5053	-22257	-23261	-1422	-1597	23	8	8.43	2.25	8.73	1.75
05/29/92	32000	321	3886	-2115	55	-172	5	4	25	9.49	2.73	11.03	2.22
06/27/91	7200	153	2660	-8198	-5274	-2029	-1403	0	33		3.05		2.47
07/29/92	869600	420	70260	213292	282428	17233	22819	190	176				

Glencrest Middle School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/14/91	47364	177	3567	24735	23521	1248	1275	19	11	5.59	1.97	6.12	1.68
09/13/91	39498	162	2968	6242	1008	314	55	24	8	7.91	1.92	9.34	1.68
10/15/91	31485	144	1982	4543	5452	192	247	21	8	8.19	1.88	8.02	1.55
11/13/91	24843	119	1571	3786	10323	160	470	19	12	7.71	2.53	5.37	1.67
12/14/91	21276	117	1352	1873	6856	80	314	12	19	8.85	3.14	6.84	2.16
01/14/92	25200	122	1596	1850	5134	79	234	21	9	7.78	3.10	6.90	2.16
02/13/92	20091	107	1279	731	3824	31	175	19	8	8.27	2.97	7.07	2.22
03/11/92	17136	104	1095	-1475	2278	-63	105	16	13	8.82	2.91	7.26	2.06
04/09/92	27300	119	1720	3767	8510	159	386	20	10	8.55	2.67	7.02	1.75
05/09/92	30723	138	2323	4880	4932	247	268	19	12	8.43	2.25	8.73	1.75
06/09/92	22284	69	1687	16439	17543	834	956	0	31	9.49	2.73	11.03	2.22
07/10/92	23919	92	1817	15221	16873	775	923	0	31		3.05		2.47
08/10/92	331119	177	22957	82592	106254	5726	7367	190	172				

Dunbar Middle School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/13/91	201400	542	15026	132107	128389	6604	6897	19	11	5.59	1.97	6.12	1.68
09/11/91	192600	595	14312	79873	62347	3977	3336	22	8	7.91	1.92	9.34	1.68
10/11/91	155600	542	9631	52151	55935	2163	2493	21	10	8.19	1.88	8.02	1.55
11/11/91	104800	504	6490	13008	41438	540	1848	20	11	7.71	2.53	5.37	1.67
12/12/91	88000	388	5459	22439	39338	933	1757	12	20	8.85	3.14	6.84	2.16
01/13/92	95900	380	5954	26130	36024	1087	1610	20	9	7.78	3.10	6.90	2.16
02/11/92	74300	379	5929	14245	23720	762	1363	17	6	8.27	2.97	7.07	2.22
03/05/92	83072	408	7311	10059	24782	593	1570	16	13	8.82	2.91	7.26	2.06
04/03/92	136900	480	8850	36590	56899	1585	2648	21	11	8.55	2.67	7.02	1.75
05/05/92	158800	480	9415	61092	59878	2427	2556	22	8	8.43	2.25	8.73	1.75
06/04/92	176300	379	9320	143158	149420	5071	5687	0	32	9.49	2.73	11.03	2.22
07/06/92	185800	340	9606	155730	161440	5394	6010	0	29		3.05		2.47
08/04/92	1653472	595	107303	746582	839611	48450	54487	190	168				

Southwest High School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/14/91	368200	1014	20681	240562	233311	9053	9435	19	10	5.59	1.97	6.12	1.68
'09/12/91	345000	1044	20088	136939	104951	5342	4400	23	9	7.91	1.92	9.34	1.68
10/14/91	284600	932	17548	110225	116110	4554	5155	21	8	8.19	1.88	8.02	1.55
11/12/91	276800	874	16720	117620	166922	4760	7260	20	11	7.71	2.53	5.37	1.67
12/13/91	247200	668	15296	134327	163422	5569	7281	12	20	8.85	3.14	6.84	2.16
01/14/92	226811	598	14733	117014	132585	5093	6201	20	9	7.78	3.10	6.90	2.16
02/12/92	210211	734	13129	77402	98625	3239	4435	19	8	8.27	2.97	7.07	2.22
03/10/92	205811	702	14190	86380	110612	3990	5491	15	13	8.82	2.91	7.26	2.06
04/07/92	273000	754	15951	125901	155263	4929	6532	20	9	8.55	2.67	7.02	1.75
05/06/92	309200	848	17281	141824	140358	5311	5648	21	9	8.43	2.25	8.73	1.75
06/05/92	206600	440	14160	206600	206600	9487	10195	0	0	9.49	2.73	11.03	2.22
07/08/92	188600	570	13758	139926	149169	6839	7835	0	28		3.05		2.47
08/05/92	3142033	1044	193535	1634722	1777928	100691	109512	190	134				

B H Carroll Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/06/91	88080	260	6584	58088	57234	2909	3080	15	16	5.59	1.97	6.12	1.68
09/05/91	82840	235	5427	38770	31790	1702	1500	22	7	7.91	1.92	9.34	1.68
10/04/91	47640	222	2965	5268	6818	220	306	21	10	8.19	1.88	8.02	1.55
11/04/91	30060	179	1878	-3922	6595	-164	297	21	11	7.71	2.53	5.37	1.67
12/06/91	19920	128	1254	-1708	3867	-72	175	12	20	8.85	3.14	6.84	2.16
01/07/92	38520	155	2405	10061	14097	421	634	20	9	7.78	3.10	6.90	2.16
02/05/92	26040	194	1637	-10667	-4824	-449	-218	20	8	8.27	2.97	7.07	2.22
03/04/92	26160	194	1636	-8521	-1528	-357	-69	16	13	8.82	2.91	7.26	2.06
04/02/92	43140	199	2681	3786	11718	158	524	20	10	8.55	2.67	7.02	1.75
05/02/92	59100	203	4418	13439	13009	673	700	24	10	8.43	2.25	8.73	1.75
06/03/92	68400	242	5087	50545	53918	2519	2887	0	27	9.49	2.73	11.03	2.22
07/02/92	92640	262	6912	68669	73221	3433	3933	0	30		3.05		2.47
08/01/92	622540	262	42884	223807	265916	15417	18318	191	171				

Pascal High School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/15/91	399744	953	29832	263810	255481	13191	13727	22	10	5.59	1.97	6.12	1.68
09/16/91	298544	932	22301	129345	103222	6474	5552	21	8	7.91	1.92	9.34	1.68
10/15/91	258224	848	15998	99565	104920	4133	4680	21	8	8.19	1.88	8.02	1.55
11/13/91	205856	573	12755	98595	131910	4093	5885	20	13	7.71	2.53	5.37	1.67
12/16/91	178936	613	11107	73774	100515	3068	4492	13	18	8.85	3.14	6.84	2.16
01/16/92	197592	590	12274	89264	104627	3715	4679	20	9	7.78	3.10	6.90	2.16
02/14/92	182248	729	13024	44312	66269	2122	3410	20	8	8.27	2.97	7.07	2.22
03/13/92	167240	712	12619	35688	62587	1804	3400	16	15	8.82	2.91	7.26	2.06
04/13/92	268528	901	16653	85043	121512	3534	5426	21	9	8.55	2.67	7.02	1.75
05/13/92	290224	819	16596	155725	157178	5966	6471	16	13	8.43	2.25	8.73	1.75
06/11/92	346344	681	17458	284933	296536	9623	10762	0	33	9.49	2.73	11.03	2.22
07/14/92	307992	690	16547	246967	258556	8890	10002	0	29		3.05		2.47
08/12/92	3101472	953	197164	1607022	1763310	102160	112096	190	173				

J P Moore Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/05/91	37200	128	2794	22687	22229	1142	1202	15	15	5.59	1.97	6.12	1.68
09/04/91	30540	130	2289	5911	2081	297	112	22	8	7.91	1.92	9.34	1.68
10/04/91	22260	111	1397	1074	1849	45	84	21	10	8.19	1.88	8.02	1.55
11/04/91	17880	87	1126	2035	6943	86	315	20	11	7.71	2.53	5.37	1.67
12/05/91	13740	85	872	663	4029	28	184	11	18	8.85	3.14	6.84	2.16
01/03/92	20340	91	1281	2359	4979	100	226	21	11	7.78	3.10	6.90	2.16
02/04/92	16740	91	1058	275	2906	12	132	19	8	8.27	2.97	7.07	2.22
03/02/92	15540	88	981	-208	2968	-9	135	16	13	8.82	2.91	7.26	2.06
03/31/92	19920	95	1250	574	4419	24	200	21	9	8.55	2.67	7.02	1.75
04/30/92	21180	109	1598	-89	-332	-4	-18	21	8	8.43	2.25	8.73	1.75
05/29/92	29820	127	2230	15628	16618	783	895	4	27	9.49	2.73	11.03	2.22
06/29/92	36480	139	2736	23339	25834	1173	1395	0	31		3.05		2.47
07/29/92	281640	139	19612	74248	94523	5170	6582	191	169				

Polytechnic High School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/09/91	260860	885	19515	147426	142598	7389	7681	18	14	5.59	1.97	6.12	1.68
09/10/91	202115	843	15080	49073	25445	2453	1367	21	8	7.91	1.92	9.34	1.68
10/09/91	155622	677	9695	28957	33232	1209	1491	21	8	8.19	1.88	8.02	1.55
11/07/91	114720	414	7147	37222	61293	1554	2749	20	13	7.71	2.53	5.37	1.67
12/10/91	72620	415	4569	5100	22369	215	1013	12	18	8.85	3.14	6.84	2.16
01/09/92	92060	507	5777	-1028	12173	-43	550	20	9	7.78	3.10	6.90	2.16
02/07/92	79480	542	4993	-5136	8575	-216	388	16	8	8.27	2.97	7.07	2.22
03/02/92	83400	479	5225	-2319	14967	-97	675	16	13	8.82	2.91	7.26	2.06
03/31/92	118060	620	7358	-8200	16895	-342	758	21	9	8.55	2.67	7.02	1.75
04/30/92	164420	654	12310	28346	27350	1422	1474	22	10	8.43	2.25	8.73	1.75
06/01/92	118420	393	8850	80382	83643	4025	4501	3	25	9.49	2.73	11.03	2.22
06/29/92	161860	471	12120	118767	126951	5958	6844	0	30		3.05		2.47
07/29/92	1623637	885	112639	478591	575489	33202	39924	190	165				

Carter Riverside High School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/02/91	186120	648	13903	126919	126885	6352	6824	10	18	5.59	1.97	6.12	1.68
08/30/91	194520	634	14468	68169	48743	3397	2610	23	9	7.91	1.92	9.34	1.68
10/01/91	144000	603	8877	31180	34987	1288	1553	21	8	8.19	1.88	8.02	1.55
10/30/91	108480	420	6732	29859	54278	1242	2425	20	13	7.71	2.53	5.37	1.67
12/02/91	83160	339	5174	23066	38206	962	1711	14	17	8.85	3.14	6.84	2.16
01/02/92	77160	296	4810	24199	31923	1011	1433	19	10	7.78	3.10	6.90	2.16
01/31/92	94800	376	5922	-2583	13044	-108	587	27	12	8.27	2.97	7.07	2.22
03/10/92	62880	424	3915	-12996	2304	-542	103	16	13	8.82	2.91	7.26	2.06
04/08/92	110880	476	6872	13945	33211	579	1482	21	9	8.55	2.67	7.02	1.75
05/08/92	132960	582	9926	22658	23170	1133	1245	19	13	8.43	2.25	8.73	1.75
06/09/92	153840	534	11427	110063	118334	5477	6329	0	30	9.49	2.73	11.03	2.22
07/09/92	169440	510	12639	169440	169440	8468	9100	0	0		3.05		2.47
08/07/92	1518240	648	104665	603917	694526	41633	47880	190	152				

Eastern Hill High School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/01/91	249840	719	19592	182735	182907	9601	10327	10	19	5.59	1.97	6.12	1.68
08/30/91	274800	740	20335	127324	104650	6313	5576	23	9	7.91	1.92	9.34	1.68
10/01/91	226660	706	13973	94569	99027	3906	4395	21	8	8.19	1.88	8.02	1.55
10/30/91	158230	612	9747	38948	75965	1607	3369	21	13	7.71	2.53	5.37	1.67
12/03/91	117820	556	7318	24181	47895	1006	2142	13	17	8.85	3.14	6.84	2.16
01/02/92	121080	529	7528	26430	40233	1101	1801	19	10	7.78	3.10	6.90	2.16
01/31/92	158520	490	12752	42627	61075	2298	3537	25	10	8.27	2.97	7.07	2.22
03/06/92	127110	396	10695	53944	68904	3041	4174	16	15	8.82	2.91	7.26	2.06
04/06/92	182390	609	12133	58370	83020	2602	3976	21	9	8.55	2.67	7.02	1.75
05/06/92	223860	643	13028	96946	95835	3780	4016	21	9	8.43	2.25	8.73	1.75
06/05/92	251780	570	13531	201936	211354	7271	8178	0	32	9.49	2.73	11.03	2.22
07/07/92	227950	1133	12639	127745	146774	4746	5859	0	29		3.05		2.47
08/05/92	2320040	1133	153271	1075754	1217638	71069	80442	190	180				

Trimble Tech High School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/31/91	331200	1166	24647	222375	222655	11088	11930	10	19	5.59	1.97	6.12	1.68
08/29/91	396000	1191	29525	165776	131274	8281	7047	22	10	7.91	1.92	9.34	1.68
09/30/91	320700	1088	23816	108225	115284	5385	6164	22	8	8.19	1.88	8.02	1.55
10/30/91	189450	605	11721	76199	111374	3159	4961	20	13	7.71	2.53	5.37	1.67
12/02/91	142500	584	8631	42638	67585	1730	2947	14	15	8.85	3.14	6.84	2.16
12/31/91	160950	585	9965	57206	73051	2373	3256	18	12	7.78	3.10	6.90	2.16
01/30/92	166500	573	10321	53341	71290	2215	3182	21	8	8.27	2.97	7.07	2.22
02/28/92	162300	576	10081	55876	77637	2325	3472	16	15	8.82	2.91	7.26	2.06
03/30/91	268650	917	16591	81907	119023	3389	5292	21	9	8.55	2.67	7.02	1.75
04/29/92	320100	1010	19751	114507	111952	4734	4974	22	8	8.43	2.25	8.73	1.75
05/29/92	338100	828	25167	245576	252028	12247	13507	4	27	9.49	2.73	11.03	2.22
06/29/92	379200	687	28095	316345	328281	15704	17512	0	30		3.05		2.47
07/28/92	3175650	1191	218311	1539971	1681433	105866	115591	190	174				

Dunbar High School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/13/91	351720	672	16829	264482	260068	8479	8959	19	12	5.59	1.97	6.12	1.68
09/12/91	285000	759	15618	147208	125934	5405	4969	21	8	7.91	1.92	9.34	1.68
10/11/91	277440	519	13569	178381	182005	5845	6409	21	10	8.19	1.88	8.02	1.55
11/11/91	210680	433	11286	131819	156244	4731	6026	20	11	7.71	2.53	5.37	1.67
12/12/91	178160	447	10333	102630	122099	3988	5099	12	20	8.85	3.14	6.84	2.16
01/13/92	186520	443	10608	105182	116717	4008	4779	20	9	7.78	3.10	6.90	2.16
02/11/92	137160	680	7386	35036	51216	1264	1986	16	6	8.27	2.97	7.07	2.22
03/04/92	181040	434	10262	181040	181040	6876	7389	0	0	8.82	2.91	7.26	2.06
04/02/92	250760	484	12308	149614	170092	4920	6011	21	11	8.55	2.67	7.02	1.75
05/04/92	280520	560	13808	166528	165111	5492	5852	22	8	8.43	2.25	8.73	1.75
06/03/92	229160	589	13129	178503	186113	6852	7677	1	28	9.49	2.73	11.03	2.22
07/02/92	263360	588	12440	205976	216873	6519	7376	0	32		3.05		2.47
08/03/92	2831520	759	147576	1846398	1933512	96232	100773	173	155				

Bonnie Brae Elementary School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/09/91	32600	140	2452	13873	13035	699	706	19	14	5.59	1.97	6.12	1.68
09/11/91	25440	143	1910	-521	-4529	-26	-245	21	8	7.91	1.92	9.34	1.68
10/10/91	24040	128	1507	92	900	4	41	21	8	8.19	1.88	8.02	1.55
11/08/91	23320	96	1462	6090	11447	256	517	19	13	7.71	2.53	5.37	1.67
12/10/91	20240	96	1273	3771	7959	159	360	13	18	8.85	3.14	6.84	2.16
01/10/92	24280	101	1524	5109	7928	215	358	20	11	7.78	3.10	6.90	2.16
02/10/92	18640	104	1178	-2759	624	-117	28	22	8	8.27	2.97	7.07	2.22
03/11/92	16240	88	1024	492	3668	21	167	16	13	8.82	2.91	7.26	2.06
04/09/92	19360	100	1216	-1538	2693	-65	122	21	11	8.55	2.67	7.02	1.75
05/11/92	22640	128	1706	-251	-165	-13	-9	18	12	8.43	2.25	8.73	1.75
06/10/92	31080	130	2323	20423	22436	1023	1207	0	30	9.49	2.73	11.03	2.22
07/10/92	28880	119	2170	17630	19766	888	1069	0	31		3.05		2.47
08/10/92	286760	143	19745	62411	85762	4297	5905	190	177				

Kirkpartrik 5 6 Grade

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
07/30/91	66360	265	4957	41627	41691	2083	2242	10	19	5.59	1.97	6.12	1.68
08/28/91	77400	271	5789	30926	24302	1550	1309	19	11	7.91	1.92	9.34	1.68
09/27/91	64080	264	4777	12524	14236	626	764	22	8	8.19	1.88	8.02	1.55
10/28/91	36000	242	2246	-8103	5487	-339	246	21	8	7.71	2.53	5.37	1.67
11/26/91	27720	236	1733	-15465	-4680	-648	-211	15	16	8.85	3.14	6.84	2.16
12/27/91	27720	190	1736	-6852	-1162	-288	-52	17	16	7.78	3.10	6.90	2.16
01/29/92	29880	173	1871	-4285	1134	-180	51	21	8	8.27	2.97	7.07	2.22
02/27/92	16200	194	1026	-18517	-11516	-786	-525	16	13	8.82	2.91	7.26	2.06
03/27/92	50400	254	3131	-2681	8066	-112	361	21	11	8.55	2.67	7.02	1.75
04/28/92	63480	282	3935	8455	7826	351	349	21	8	8.43	2.25	8.73	1.75
05/27/92	49200	224	3682	21754	22464	1091	1210	6	24	9.49	2.73	11.03	2.22
06/26/92	57360	218	4269	36085	40125	1799	2150	0	32		3.05		2.47
07/28/92	565800	282	39152	95468	147973	6606	10239	189	174				

Como Middle School

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
08/15/91	75600	240	5655	27308	20013	1369	1078	23	10	7.91	1.92	9.34	1.68
09/17/91	48600	228	3628	7809	9210	391	495	20	8	8.19	1.88	8.02	1.55
10/15/91	43200	174	2690	10147	20327	423	911	22	8	7.71	2.53	5.37	1.67
11/14/91	40800	174	2541	4435	13279	185	595	19	13	8.85	3.14	6.84	2.16
12/16/91	24600	168	1542	-1780	2974	-75	134	13	18	7.78	3.10	6.90	2.16
01/16/92	33000	168	2064	-26904	-17265	-1127	-778	37	17	8.27	2.97	7.07	2.22
03/10/92	31800	180	1984	-412	6084	-17	273	16	13	8.82	2.91	7.26	2.06
04/08/92	43800	168	2722	-2806	6365	-117	285	29	11	8.55	2.67	7.02	1.75
05/08/92	48000	168	3593	16539	16602	829	895	19	12	8.43	2.25	8.73	1.75
06/08/92	49200	126	3665	38526	40543	1923	2174	0	31	9.49	2.73	11.03	2.22
07/09/92	36600	150	2744	23334	25853	1172	1396	0	29		3.05		2.47
08/07/92	36600	150	2744	18459	17887	927	966	16	16	5.59	1.97	6.12	1.68
	511800	240	35572	114656	161871	7969	11251	214	186				