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# Alaska State Legislature

## SENATE

Official Business

P.O. Box V  
State Capitol  
Juneau, Alaska 99811

### Memorandum

TO: Senator Arliss Sturgulewski, Chair  
Senate Health, Education & Social Services Committee

FROM: Senator Sam Cotten *l*

DATE: May 16, 1991

RE: Senate Bill 278  
An Act imposing a maximum pupil-teacher ratio  
in public schools

Thank you for scheduling Senate Bill 278 for a hearing tomorrow morning.

Senate Bill 278 would impose a maximum effective class size of 15:1 in K-3, 20:1 in 4-6, and 25:1 in 7-12. Classes in art, typing, library, music, vocational-technical subjects, or physical education would be exempt from the class size requirements. Class size restrictions would not apply during the last eight weeks of each school year and the district would be required to report the average daily class size when it reported average daily membership. The bill defines a "teacher" as someone certified under AS 14.20.020 and who is an actual classroom teacher in a regular instructional program.

The bill also provides, in Section 2, for a transition period.

I am attaching the following for the committee's review:

1. Research Request 91.047 - State Mandates Regarding Class Size.
2. Information from Department of Education on schools with enrollment equal to or greater than 300 students.
3. AS 14.17.160 - Student Counting Periods
4. AS 14.20.020 - Requirements for issuance of certificate.
5. Anchorage School District Class Size Report, October 22, 1990.

# Alaska State Legislature



Legislative Research Agency

P.O. Box Y  
Juneau, AK 99811-3100  
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October 24, 1990

## MEMORANDUM

TO: Representative Sam Cotten

ATTN: Janet Seitz

FROM: Carol R. Vandor *AKV*  
Legislative Analyst

RE: State Mandates Regarding Class Size  
Research Request 91.047

You asked if the number of pupils per classroom in grades K through 12 is regulated by state law in other states. Attached is a table of state mandates regarding class size. The information was obtained from a survey conducted by the Education Commission of the States in 1989.

The entry under Alaska refers to an Alaska Supreme Court decision that found that class size is not a negotiable item in the collective bargaining process between teachers and school districts. There are no court rulings against the establishment of class size. Alaska statutes do not establish maximum class sizes.

It appears from the table that 33 states mandate maximum class size for at least one grade level or class subject.<sup>1</sup> In some states accreditation or state aid is contingent upon a school or district meeting the required limitation. For instance, in Colorado, kindergarten classes may not exceed 15 pupils and be accredited with the state; the maximum may be 20 with a teacher's aide. In Florida, high school writing classes have a limitation on the number of pupils per class. In Indiana, a building ratio of 30 to 1 must be met. In Iowa, special education classes have a limitation. In Michigan, the state may not fund schools with class sizes over 30 for all grades. In Ohio, the district-wide class size average for grades K-12 is 25. In Washington, class size in grades K-3 must be lower than the class size in grades 4-12.

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<sup>1</sup>Arkansas, California, Colorado, Florida, Georgia, Hawaii, Idaho, Indiana, Iowa, Kentucky, Louisiana, Maine, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Jersey, New Mexico, North Carolina, North Dakota, Ohio, Oklahoma, South Carolina, Tennessee, Texas, Vermont, Virginia, Washington, and West Virginia.

Representative Cotten  
October 24, 1990  
Page 2

In some states class sizes are recommended<sup>2</sup> and in others class size is left to local option.<sup>3</sup> In two states, New York and Rhode Island, class size is determined in teacher bargaining negotiations.

Attached are statutes from California, Indiana, Kentucky, Louisiana, Nevada, Oklahoma, Texas, and West Virginia, which provide a sample of how some states mandate class size. I have also included some articles about class size.

If we may be of further assistance, please contact this office.

Attachments

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<sup>2</sup>Alabama, Delaware, Kansas, Maryland, New Hampshire, and Oregon.

<sup>3</sup>Arizona, Connecticut, Illinois, Pennsylvania, South Dakota, Utah, Wisconsin, and Wyoming.



STATE MANDATES REGARDING CLASS SIZE  
1990

Alabama

State Education Agency recommends 25 to 1 in kindergarten with an aide needed in larger classes.

Alaska

State courts ruled against establishment of set class sizes in 1979 litigation.

Arizona

Class size is left to local option.

Arkansas

Kindergarten = 20; grades 1-3 average is 23, with a maximum of 25; grades 4-6 average 25, with a limit of 28; grades 7-12, teachers can instruct no more than 150 students daily.

California

Recommended kindergarten class size is 31 and cannot exceed 33; grades 1-3 may not exceed 32 and the recommendation is 30; grades 4-8 may not exceed 28 and high school classes may not exceed 25 or the district is penalized.

Colorado

Kindergarten classes may not exceed 15 and be accredited by the state. With an aide the maximum can be 20. In the remaining grades, the state does not have regulations on class size. The average is 20 in elementary grades, 17 in middle grades, 18.5 in junior high and 17 in high school.

Connecticut

Class size is left to the local option.

Delaware

A class size for kindergarten through third grade of 19 is recommended.

Florida

The state allows local option for class sizes generally, however high school writing classes do have a limitation. The general theme is to lower class sizes.

Georgia

With an aide, kindergarten classes may be 28. Without an aide the size is not to exceed 21. Grades 1-3 may be 33 with an aide but must not exceed 25. Grades 4-8 carry a maximum of 33 and grades 9-12 of 35. Lab classes may be 28 and remedial classes may be 24 with an aide or 18 without. The state also has district wide average limitations.

Hawaii

Legislated ratio for kindergarten and first grade is 20. Beginning with the 1990-91 school year, second grade classes will be reduced to 20. The third grade class size is to be reduced to 20 in the 1991-92 school year. Average ratio for K-12 is 26.

Idaho

K-1 minimum standards is no more than 25 students which may be exceeded by 5 with a full-time aide in the classroom. This changes in 1991-92 year kindergarten maximum size will be 23. In 1992-93 K-1 shall not exceed 23 students. Grades 2-3 are currently 28 which may be exceeded by 5 with a full-time aide. In 1993-94 2nd grade will change to 26 and in 1994-95 the 3rd grade will change to a maximum of 26. Grades 4-8 maximum is 32 which can be exceeded by 5 with a full-time aide. There are no plans to change this. In grades 7-12, self-contained academic courses, 150 student contacts per day per teacher.

Illinois

Class size is left to the local option.

<u>Indiana</u>	Only requirements are a building ratio of 30 to 1, including kindergarten classes. Operation Prime Time is a voluntary program in which districts agree to lowering class sizes in kindergarten through the third grade: K-1 to 18 and Grades 2-3 to 20.
<u>Iowa</u>	Except for special education classes, class size is left to local option.
<u>Kansas</u>	Class size is left to local option but the state recommendation is 20 to 1.
<u>Kentucky</u>	Maximum class sizes for academic courses: K-3, 24; grade 4, 28; grades 5-6, 29; grades 7-12, 31. Exceptions must be approved by the State Board for Elementary and Secondary Education.
<u>Louisiana</u>	Kindergarten through third grade classes are not to exceed 26. No teacher at a secondary level shall instruct more than 750 students per week.
<u>Maine</u>	Kindergarten through grade 3 are not to exceed 25. All others carry a recommendation of 25; overall average is 30.
<u>Marvland</u>	Although class size is left to local option, the recommendation is for smaller classes.
<u>Massachusetts</u>	Recommendation is a classes size of 18 in kindergarten and 25 for grades 1-3 however it is left to the local option. There is a requirement that kindergarten classes not exceed 25.
<u>Michigan</u>	State finance plan informs the districts that the state may not fund schools with class sizes over 30 for all grades. Special waivers are possible. In addition, the state has an incentive project available to districts which lower class size in K-3.
<u>Minnesota</u>	Elementary classes are not to exceed 30 but the local boards can request a one year waiver. For grades 7-12 weekly average maximum of 160.
<u>Mississippi</u>	Kindergarten classes are not to exceed 22 or 27 with a full-time assistant teacher is in the classroom. In grades 1-4 the class is not to exceed 27. In self-contained academic core classes for grades 5-8 the class is not to exceed 30. In departmentalized academic core classes serving grades 5-12 the class is not to exceed 33. In academic core classes in grades 7-12 the pupil-teacher ratios are not to exceed 150 students per day maximum for teachers. The ratios all apply to summer school and extended year programs as well. For the grades 1-4 standard, the State Board of Education may waive the district's requirement.
<u>Missouri</u>	For purposes of accreditation, the state specifies 30 in elementary grades with a maximum of 35. The high school classes are to be 35 with a maximum of 40.
<u>Montana</u>	In single-grade rooms, the maximum sizes are not to exceed: 24 in kindergarten, 26 in grades 1-2, 28 in grades 3-4, 30 in grades 5-8. In single-grade in 1992-93 school year the K-2 classes may not exceed 20. In multigrade classrooms, the maximum class sizes are not to exceed: 20 in K-3, 24 in grades 4-6, 26 in grades 7-8. Multigrade classrooms that cross grade level boundaries are to use the maximum of the lower grade. In one-teacher schools, the maximum class size is to be 18 students. In junior high, middle school and high schools the individual academic class is not to exceed 30 students and the number of students assigned a teacher per day is not to exceed 160. That will be decreased to 150 in the 1992-93 school year. Teachers

<u>Nebraska</u>	with a significant writing program, as determined by the local board of trustees, are to have a maximum load of 100 students.
<u>Nevada</u>	Local option is permitted, however the regulations indicate a class size of 25 for accreditation or 30 for schools receiving approval. Legislature has set class size for kindergarten through grade 3 at 15. The legislative intent is to reduce 4-6 to 22 pupils and 7-12 to 25 pupils eventually.
<u>New Hampshire</u>	The following class sizes are recommended: K = 20; grades 1-3 = 22; grades 4-8 = 25; grades 9-13 have a maximum of 30 students with less for lab classes.
<u>New Jersey</u>	Recommendation for kindergarten classes is 20, with a maximum of 25; classes of 26-29 are approved with an aide and if it exceeds 29, the class must be split. For grades 1-12 the size is left to local discretion.
<u>New Mexico</u>	The state is in the process of phasing in legislatively mandated class size reductions. In 1990-91 kindergarten classes are not to exceed 20 unless they have an instructional aide in the classroom; in 1991-92 the first grade will be added to the 20 limit; in 1992-93 second grade classes are to be reduced to 22; in 1993-94 third grade classes are to be 24; in 1994-95 the fourth grade classes are to be limited to 25; in 1995-96 the fifth grade is added to the 25 student limit and in 1996-97 the sixth grade is added. In the seventh and eighth grades the daily combined total for classes is not to exceed 150. Language arts classes are not to exceed 135 and no language class is to be larger than 27. For high school, no language arts class is to be larger than 30 and the daily combined total is not to exceed 150.
<u>New York</u>	In most district, class sizes are determined in bargaining negotiations with teachers.
<u>North Carolina</u>	Maximum class size in K-9 is 29. All K-3 classes must have an aide. Secondary class size maximum is 32.
<u>North Dakota</u>	Maximum classroom enrollment for 1 grade rooms is 25 for K-3 and 30 for 4-8. For two grade rooms, K-3 is not to exceed 20 students and 4-8 is not to exceed 25. For three grade rooms maximum for all classes is 15. For four grade rooms the maximum is 10 students. For secondary, junior high, middle school: grades 7-12 class size is recommended at 25 students per class and shall not exceed 30. However, a school unit is allowed 3% of the total number of classes taught to exceed 30 students, to a maximum of 34 students per class, without citation.
<u>Ohio</u>	Limitation on district wide class size average for grades K-12 is 25.
<u>Oklahoma</u>	After the 1990-91 school year, the state will not provide state aid beyond 20:1 ratio for all grades.
<u>Oregon</u>	The school district is to maintain class sizes and teacher assignments which promote effective practices consistent with the outcomes expected of each instructional program. In determining the class sizes, the local district is to consider the following: a) The teacher-student ratio of each class; b) the total number of students assigned per teacher; c) the number of subject preparations or grades per teacher; d) the support staff available to each teacher; e) the nature of the subjects taught in relation to each teacher's professional preparation; f) the appropriateness of instructional facilities and equipment; g) the course goals applicable to the particular class; and

h) the extent to which class size varies from general statewide practice.

Pennsylvania  
Rhode Island  
South Carolina

Determination is left to local district option.  
Class size is determined in local teacher bargaining negotiations. For kindergarten through the third grade, class sizes are not to exceed 30. In kindergarten a full-time aide must be in the classroom. In addition, the districtwide average daily membership of K-3 classes must not exceed 21 in reading and math classes. For fourth through sixth grade the class size must not exceed 30 in reading and math or 35 in all other classes. For grades seven through twelve the class size is 35 in all classes.

South Dakota  
Tennessee

Class size is left to local district determination.  
Maximum membership of classes is not to exceed: K-3, 25 students; grade 4, 28 students; grades 5-6, 30 students; and grades 7-12, 35. For kindergarten through fourth grade classes, the size is not to exceed 22. For all remaining grades, the size is left to the local district's option.

Utah  
Vermont

Class size is left to the determination of the local district.  
Limitations are based on a school average. K-3, 20; grades 4-6, 25; grades 7-12, teacher is limited to 150 students daily. English teachers are limited in grades 7-12 to 100 daily.

Virginia

Kindergarten classes are not to exceed 25 unless there is a full-time aide, in which case the class may not exceed 30; grade 1, 24 and no more than 30; grades 2-3, 25 and no more than 30; grades 4-6, 25 and no more than 35.

Washington

The class size in grades K-3 shall be lower than the class size in grade 4-12.

West Virginia

Kindergarten class size is 20; grades 1-6, 25. Classes can go about the limit by 3 students but this usually requires permission.

Wisconsin  
Wyoming

Class size is left to local district option.  
Class size is left to local district option.

/mb  
10/15/90

State of Alaska  
Department of Education  
Office of Data Management  
School Statistics

representing schools with enrollment equal to or greater than 300 students  
As of October 1, 1990  
FY91

District Name	School Name	Grade Range	Enrollment KG-12 persons	Classroom Teacher *Full	pupil Staff Ratio
Alaska Region Schools	Ann C. Stevens Elementary School	K - 06	491	29.00	16.93
Anchorage School District	Abbott Loop Elementary	PE - 06	757	33.50	22.59
	Airport Heights Elementary	PE - 06	334	17.00	19.64
	Aurora Elementary	PE - 06	405	18.50	21.89
	Bartlett High School	09 - 12	1,604	70.20	22.84
	Baxter Elementary	PE - 06	465	21.00	22.14
	Bayshore Elementary	KG - 06	409	22.50	22.17
	Bear Valley Elementary	KG - 06	549	24.50	22.40
	Birchwood ABC Elementary	PE - 06	353	17.00	20.76
	Campbell Elementary	PE - 06	387	17.50	22.11
	Central Jr High ABC	07 - 08	548	27.60	19.85
	Chester Valley Elementary	PE - 06	411	20.00	20.55
	Chinook Elementary	PE - 06	564	27.00	20.88
	Chugiak Elementary	PE - 06	560	24.50	22.85
	Chugiak High	08 - 12	1,552	61.60	25.19
	Clark Junior High School	07 - 08	725	31.33	21.11
	College Gate Elementary	PE - 06	371	16.00	23.18
	Creekside Park Elementary	PE - 06	397	19.50	20.35
	Denali Fundamental	PE - 06	463	29.00	15.96
	Dimond High School	09 - 12	1,842	80.00	23.02
	Eagle River Elementary	PE - 06	656	29.00	22.62
	East High School	09 - 12	1,659	66.60	24.90
	Fire Lake Elementary	KG - 06	552	22.50	24.53
	Gladys Wood Elementary	KG - 06	510	22.50	22.66
	Gruening Jr High	07 - 08	867	38.60	22.46
	Homestead Elementary	KG - 06	484	21.50	22.51
	Huffman Elementary	PE - 06	655	29.50	22.20
	Jane Mears Jr High	07 - 08	936	44.00	21.27
	John F Kennedy Elementary	PE - 06	302	14.50	20.82
	Klatt Elementary	PE - 06	526	27.00	19.48
	Lake Otis Elementary	KG - 06	566	24.00	23.58
	Mountain View Elementary	KG - 06	642	37.00	17.35
	Mt Spurr Elementary	PE - 06	343	15.00	22.86
	Muldoon Elementary	KG - 06	377	19.50	19.33
	North Star Elementary	KG - 06	455	24.50	18.57
	Northern Lights ABC Elementary	KG - 06	361	15.00	24.06
	Northwood Elementary	KG - 06	556	24.50	22.69
	Nunaka Valley Elementary	PE - 06	353	17.50	20.17
	O'Malley Elementary	PE - 06	497	21.00	23.66
	Ocean View Elementary	KG - 06	474	21.00	22.57
	Orion Elementary	PE - 06	576	24.00	24.00
	Plamigan Elementary	KG - 06	326	17.50	18.62

District Name	School Name	Grade Range	Enrollment KG-12 persons	Classroom Teacher FTE	Pupil Staff Ratio
	Rabbit Creek Elementary	KG - 06	572	25.00	21.28
	Ravenwood Elementary	PE - 06	558	23.50	23.74
	Rogers Park Elementary	KG - 06	535	23.10	23.16
	Romig Junior High School	07 - 08	650	35.00	18.57
	Sand Lake Elementary	PE - 06	651	28.00	23.25
	Scenic Park Elementary	PE - 06	555	22.36	24.88
	Service High School	09 - 12	1,973	78.60	25.10
	Spring Hill Elementary	PE - 06	774	33.50	23.10
	Susitna Elementary	KG - 06	527	22.00	23.95
	Taku Elementary School	KG - 06	372	18.50	20.10
	Tudor Elementary School	KG - 06	582	27.00	21.55
	Turnagain Elementary	PE - 06	641	28.00	22.89
	U.S. Manshew Jr High	07 - 08	1,281	54.60	23.46
	Ursa Major Elementary	PE - 06	410	21.00	19.52
	Ursa Minor Elementary	PE - 06	671	14.00	22.92
	Wendler Junior High School	07 - 08	918	40.70	22.03
	West High School	09 - 12	1,398	59.00	22.67
	Williwaw Elementary	PE - 06	408	22.00	18.54
	Willow Crest Elementary	PE - 06	519	24.50	21.18
	Wonder Park Elementary	KG - 06	440	39.50	11.13
Centralized Correspondence	Centralized Correspondence	KG - 12	877	18.25	48.05
Dillingham City Schools	Dillingham Elementary School	KG - 08	347	19.50	17.79
Fairbanks North Star Borough School	Anderson Elementary	PE - 02	426	20.00	21.30
	Badger Road Elementary School	PE - 04	547	29.10	18.79
	Barnette Elementary School	PE - 06	441	26.50	16.61
	Ben Eielson Jr/Sr High School	07 - 12	559	36.18	15.45
	Chena Elementary	PE - 04	301	19.00	15.84
	Denali Elementary School	PE - 06	441	24.50	18.00
	Fairbanks Correspondence	KG - 12	371	4.00	92.75
	Hunter Elementary	KG - 06	472	25.50	18.50
	Joy Elementary	PE - 06	679	34.00	19.97
	Lathrop High School	09 - 12	1,344	73.65	18.24
	Nordale Elementary	PE - 06	554	27.00	20.70
	North Pole Elementary	PE - 04	558	30.00	18.60
	North Pole High School	09 - 12	865	47.60	18.17
	North Pole Middle School	06 - 08	718	42.00	17.09
	Pearl Creek Elementary School	PE - 06	598	33.36	17.92
	Ryan Middle School	07 - 08	645	39.00	16.53
	Tanana Junior High School	07 - 08	708	43.00	16.46
	Ticasuk Brown Elementary	PE - 04	554	30.00	18.46
	University Park Elementary	KG - 06	597	30.00	19.90
	Weller Elementary	KG - 06	663	36.10	18.36
	West Valley High School	09 - 12	812	41.20	19.70
	Woodriver Elementary	KG - 06	584	30.50	19.14
Inoué Borough Schools	Auke Bay Elementary School	KG - 04	538	28.40	18.94
	Floyd Dryden Middle School	06 - 08	686	37.70	18.19

District Name	School Name	Grade Range	Enrollment KG-12 persons	Classroom Teacher *FTE	Pupil Staff Ratio
	Gastineau Elementary	KG - 04	392	20.30	19.31
	Glacier Valley Elementary	KG - 04	573	34.00	16.85
	Harborview Elementary	KG - 04	616	35.50	17.35
	Juneau Douglas High School	09 - 12	1,289	66.40	19.41
	Marie Drake Middle School	06 - 08	467	29.50	15.83
	Mendenhall River Community School	PE - 04	520	29.50	17.62
Coast Peninsula Borough Schools	Homer Senior High School	09 - 12	451	29.00	15.55
	Kalifornsky Beach Elementary	KG - 06	410	24.00	17.08
	Kenai Central High School	09 - 12	422	29.50	14.30
	Mt. View Elementary School	03 - 06	492	25.00	19.68
	Nikiski Junior/Senior High School	07 - 12	457	28.60	15.97
	North Star Elementary	KG - 06	374	18.00	18.00
	Paul Banks Elementary School	KG - 04	402	22.50	16.08
	Redoubt Elementary School	KG - 06	431	23.50	18.34
	Sears Elementary	KG - 02	449	21.80	20.13
	Seward Elementary School	KG - 06	450	23.00	19.56
	Seward High School	07 - 12	314	23.00	13.65
	Skyview High School	09 - 12	444	28.00	15.85
	Soldotna Elementary School	KG - 06	528	28.50	18.52
	Soldotna High School	09 - 12	488	32.00	15.25
	Soldotna Junior High School	07 - 08	486	27.00	18.00
Fitchikan Gateway Borough Schools	Houghtaling Elementary School	KG - 06	521	24.00	21.70
	Ketchikan High School	08 - 12	726	35.00	20.74
	Point Higgins School	PE - 06	368	17.00	21.64
	Schoenbar Junior High School	07 - 08	403	21.00	19.19
	Valley Park Elementary School	KG - 06	361	15.50	23.29
Kodiak Island Borough Schools	East Elementary School	KG - 04	487	22.00	22.13
	Kodiak Junior High School	06 - 08	521	27.00	19.29
	Kodiak/Aleutian Regional High	09 - 12	565	35.40	15.96
	Main Elementary School	PE - 04	307	15.00	20.46
	Peterson Elementary School	KG - 04	316	13.50	23.40
Lower Kuskokwim Schools	Bethel Regional High School	07 - 12	341	31.00	11.00
	Bethel-Kilbuck Elementary	KG - 06	461	35.00	13.17
Mat-Su Borough Schools	Big Lake Elementary School	KG - 06	561	27.00	20.77
	Butte Elementary School	KG - 04	350	19.00	18.42
	Colony Middle school	06 - 08	764	37.50	20.37
	Cottonwood Creek Elementary	PE - 04	454	27.25	16.66
	Finger Lake Elementary	PE - 04	415	29.25	14.69
	Houston Jr./Sr. High School	07 - 12	489	26.00	18.80
	Iditarod Elementary School	KG - 04	467	24.50	19.06
	Palmer High School	09 - 12	897	48.00	18.68
	Palmer Middle School	06 - 08	575	33.00	17.42
	Pioneer Peak Elementary	KG - 06	541	25.50	21.21
	Sherrrod Elementary School	03 - 04	390	22.50	17.33

District Name	School Name	Grade Range	Enrollment KG-12 persons	Classroom Teacher *FTE	Pupil Staff Ratio
	Snowshoe Elementary School	KG - 04	589	26.00	22.65
	Swanson Elementary School	KG - 02	401	18.00	22.27
	Tanaina Elementary School	KG - 04	584	27.50	21.23
	Wasilla High School	09 - 12	933	56.00	16.66
	Wasilla Junior High School	06 - 08	579	34.00	17.02
Nome City Schools	Nome Elementary School	KG - 06	461	25.50	18.07
North Slope Borough School District	Ipalook Elementary School	PE - 06	478	42.00	11.38
Northwest Arctic Borough Schools	Kotzebue Elementary School	PE - 06	402	25.00	16.08
Petersburg City Schools	Petersburg Elementary School	KG - 04	364	19.90	18.29
Sitka School District	Blatchley Middle School	06 - 08	414	23.50	17.61
	Sitka High School	09 - 12	443	28.80	15.38
	Verstovia Elementary School	03 - 04	499	24.00	20.79
Valdez City Schools	Hermon Hutchens Elementary	PE - 06	428	26.75	16.00

\* FTE is Full Time Equivalent and represents the portion of time an individual is allocated for that job. For example if an individual is a half-time principal and half-time classroom teacher, the FTE for each job would be .50 and their total FTE would be 1.00.

Pupil Staff Ratio is derived by dividing the Total KG-12 Enrollment by the Total Classroom FTE for each school.



ANCHORAGE  
SCHOOL DISTRICT

4600 DeBarr Avenue  
P.O. Box 196614  
Anchorage, Alaska 99519-6614  
AREA CODE [907] 333-9561

January 11, 1991

SCHOOL BOARD

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SUPERINTENDENT

Thomas C. O'Rourke

Senator Sam Cotten  
11940 Business Blvd.  
Eagle River, Alaska 99577

Dear Senator Cotten:

Attached is information requested by Julie Kraft. The large report is the District's most recent class-size report. The single sheet is taken from our District's financial planning document prepared for the School Board last October.

Our Superintendent, Tom O'Rourke, has indicated he intends to pursue class-size reductions at Grades 1 - 3 of 2 students per class and to pursue a one student reduction in all other grades. This would equate to about an additional cost of \$4.2 million dollars for our District.

If we can provide additional information please let us know. We appreciate your interest and advocacy for kids.

Sincerely,

BOB CHRISTAL  
ASSISTANT SUPERINTENDENT  
INSTRUCTION

ID11.37

Attachments

ANCHORAGE SCHOOL DISTRICT  
ANCHORAGE, ALASKA

ASD MEMORANDUM #107 (90-91)

October 22, 1990

TO: SCHOOLBOARD  
FROM: OFFICE OF THE SUPERINTENDENT  
SUBJECT: SCHOOL CLASS SIZE REPORT

*Carl D. Hamman  
by Bob Chastel*

PERTINENT FACTS:

Each year the District compiles an Elementary Schools' and Secondary Schools' class size report. This year we have combined the two reports and have provided these within this memorandum. The increases in class sizes at both elementary and secondary school levels is a direct result of the budget reductions from last spring.

Elementary Schools

Attached are summary results of the class size survey conducted at the elementary school level (Attachment A). This information was based on the enrollment data of September 28, 1990. A comparison of the last seven years' information with the current information is shown on Attachment B.

The current pupil-teacher ratio and a comparison of the last seven years is shown on Attachment C. This is based on actual classroom teachers and excludes principals, librarians, physical education teachers, music teachers, and counselors.

The pupil-teacher ratio (PTR) for grade 1-6 for this year is 25.2. This compares to ~~24.6 for the same time last year.~~ The principals generally attempt to keep the primary classes smaller. In the first and second grades, the pupil-teacher ratio across the District is 24. In grades 3-6, the overall District average is a PTR of 25.9. The number of combination classes grew from 91 last year to 101 multi-grade classes this year. Classes in the range of 27-30 have increased from 22% to 31%; in the range of 31-32, the increase has been from 11 classes to 18 classes. Had the School Board not added ten (10) additional teachers in the 1990-91 budget the average class size would have been at approximately 26 students.

89-90  
23.9

89-90  
24.6

The kindergarten class size has remained at 22.8 (PTR). We have analyzed the PTR in kindergarten classes in the full-day and half-day programs. In the half-day kindergarten classes, the average pupil-teacher ratio 22.5. Within the full-day kindergarten program the PTR is 24.5 and we do have at least a half-time aide in each class. If the enrollment exceeds 24, the program was designed so the person becomes a full-time aide in the class.

As of September 28, 1990, we did have 22 (2%) classes with more than 30 students per class. We have no funds available to place teacher aides in these classrooms to provide assistance.

### Secondary Schools

Attachment D contains information in three areas for the secondary school class size report: class size frequency; average class size by subject area; and the individual secondary school information.

Secondary school class size has increased as predicted based on the reduction in the number of teachers for this school year. Please note that to reduce the impact on class size, non-instructional use of FTE for programs such as In-school Suspension, school counselors and aides for libraries was discontinued or reduced. The frequency of classes with 25 students and under has been reduced by 27%. The frequency of classes in the 26 to 35 student range has increased by 6%. The number of classes with 36+ students has increased from 151 to 304 or about 100%. Average class size was increased by 1.5 students overall. The increase by subject area is included as part II of the secondary report.

CLL/BC/dc

Attachments

ANCHORAGE SCHOOL DISTRICT  
ANCHORAGE, ALASKA

## ELEMENTARY EDUCATION

September 28, 1990

CLASS SIZE SURVEY

		TOTAL NO. OF CLASSES	18-20	21-23	24-26	27-30	31-32	OVER 32
GRADE	K	157	30	57	53	17	0	0
	1	140	16	52	53	18	1	0
	2	120	7	34	45	34	0	0
	3	121	2	12	45	57	5	0
	4	118	3	12	55	47	1	0
	5	103	2	17	28	53	3	0
	6	104	5	8	40	40	7	4
COMBINATION	K - 1	0	0	0	0	0	0	0
	1 - 2	20	2	4	13	1	0	0
	2 - 3	14	1	5	4	3	1	0
	3 - 4	17	1	1	11	4	0	0
	4 - 5	16	0	3	8	5	0	0
	5 - 6	24	3	1	6	14	0	0
	1 - 2 - 3	4	0	0	4	0	0	0
	4 - 6	2	0	0	2	0	0	0
	4 - 5 - 6	4	0	0	2	2	0	0
	Total	964	72(7%)	206(22%)	369(38%)	295(31%)	18(2%)	4(0%)
LAST YEAR	9-90	940	75(8%)	226(24%)	425(45%)	203(22%)	11(1%)	0

ANCHORAGE SCHOOL DISTRICT  
ANCHORAGE, ALASKA

1984-85, 1985-86, 1986-87, 1987-88, 1988-89, 1989-90, 1990-91

Elementary Class Size Comparisons

	<u>1984-85</u>	<u>1985-86</u>	<u>1986-87</u>	<u>1987-88</u>	<u>1988-89</u>	<u>1989-90</u>	<u>1990-91</u>
	9/28/84	9/27/85	9/26/86	9/25/87	9/30/88	9/29/89	9/28/90
<u>Number of</u>							
Elementary Classes	908	908	925	919	928	940	964
Multi-Grade Classes	92 (10%)	87 (9%)	96 (10%)	113 (12%)	98 (10%)	91 (9%)	101 (10%)
Classes over 32	2	0	3	4	1	0	49
Classes over 30	9 <sup>a</sup>	13 <sup>b</sup>	13 <sup>c</sup>	14 <sup>d</sup>	11 <sup>e</sup>	11 <sup>f</sup>	18 <sup>f</sup>

- a) Reduced to 0 by 10/22/84
- b) Additional staff allocation and reorganization of classes eliminated this number to 0 as of October 25, 1985.
- c) 4.0 FTE allocated as teacher aides to 13 classes to assist teachers as of October, 1986.
- d) Additional staff allocation and reorganization of classes along with teacher aides reduced this number to 3 as of October 12, 1987.
- e) Additional staff allocations in mid-September reduced this to 5 with no classes over 32. With Assembly approval on October 25, 1988 additional staffing to provide teacher aides will be available for these classes over 30.
- f) Teacher aide positions have been allocated to those schools who have classes at 30 or over who were not able to reorganize their classes. These 18 classes over 30 cannot be reduced because of lack of funds.
- g) Reduced to 0 by 10/17/90.

ANCHORAGE SCHOOL DISTRICT  
ANCHORAGE, ALASKA

Elementary School Pupil - Teacher Ratio  
Enrollment Information

	September 28, 1990		
	<u>Enrollment</u>	<u>Staffing</u>	<u>PTR</u>
Kindergarten (Full-Day)	657	27	24.3 <sup>a</sup>
Kindergarten (Half-Day)	2,925	65 (130 classes)	22.5
Grades 1-6	20,384	807	25.2

	September 29, 1989		
	<u>Enrollment</u>	<u>Staffing</u>	<u>PTR</u>
Kindergarten (Full-Day)	584	24	24.3 <sup>a</sup>
Kindergarten (Half-Day)	2,752	61 (122 classes)	22.5
Grades 1-6	19,571	794	24.6

	September 30, 1988		
	<u>Enrollment</u>	<u>Staffing</u>	<u>PTR</u>
Kindergarten (Full-Day)	483	20	24.2 <sup>a</sup>
Kindergarten (Half-Day)	2,543	59 (118 classes)	21.5
Grades 1-6*	19,491	790	24.6
Grades 1-6**	19,491	791	24.6

	September 25, 1987		
	<u>Enrollment</u>	<u>Staffing</u>	<u>PTR</u>
Kindergarten	3,484	76.5 (153 classes)	22.8
Grades 1-6*	19,113	766	25
Grades 1-6**	19,113	767	25

	September 26, 1986		
	<u>Enrollment</u>	<u>Staffing</u>	<u>PTR</u>
Kindergarten	3,733	80 (160 classes)	23.3
Grades 1-6*	19,198	765	25.1
Grades 1-6**	19,198	771	24.9

	September 27, 1985		
	<u>Enrollment</u>	<u>Staffing</u>	<u>PTR</u>
Kindergarten	3,578	79 (158 classes)	22.6
Grades 1-6*	19,041	783.5	24.3
Grades 1-6**	19,041	789	24.1
	September 28, 1984		
	<u>Enrollment</u>	<u>Staffing</u>	<u>PTR</u>
Kindergarten	3,464	74.5 (149 classes)	23
Grades 1-6*	19,982	778	24.5
Grades 1-6**	19,982	783.5	24.3

- a Each full-day class has at least a 3 hour aide.
- \* Excludes Reading teachers.
- \* \* Includes Reading teachers from the schools' FTE allocation.

ANCHORAGE SCHOOL DISTRICT  
SECONDARY EDUCATION  
September 28, 1990

CLASS SIZE REPORT  
90-91 School year

- I. Secondary school class size is reported in the following charts. Class size frequency is presented for secondary schools as a whole in part I. For purposes of comparison, frequencies for the 1989-90 and 1990-91 school year are presented as separate lines in the chart.

ALL SCHOOLS  
CLASS SIZE FREQUENCY  
1989-90 & 1990-91 SCHOOL YEAR

CLASS SIZE	1 - 20	21-25	26-30	31-35	36+
1989-90	589	537	1018	830	151
1990-91	390	433	1027	928	304

- II. The chart in Part II contains the average class size by subject areas. These calculations do not include special education or students assigned as student aides. Please note, since these are averages about half the classes will be larger than the average and half smaller. Parenthesis (+0.0) indicates change in class size from 1989-90 to 1990-91 school year.

AVERAGE CLASS SIZE  
1990-91 School Year

Subject	Average Size	Subject	Average Size
English	26.4 (+1.3)	Foreign Language	28.0 (+2.1)
Math	28.1 (+1.1)	Music/Art	29.1 (+2.4)
Science	28.2 (+1.1)	P. E.	34.9 (+2.5)
Social Studies	28.9 (+1.5)	Vocational Education	24.5 (+0.1)
R.O.T.C.	16.2 (+1.3)		

- III. The chart for individual school subject area averages and class size frequency is attached to this section. Individual school information was used to develop the District summaries.

BARTLETT SENIOR HIGH

10-OCT-1990 19:02

QUARTER SELECTED = 1

EXCLUDING SPECED CAREER INDSTUDY MISC

COURSE	CLASS FREQUENCIES					STUDENT TOTALS	
	1-20	21-25	26-30	31-35	36+	TOTAL STUDENTS	AVE. CLASS SIZE
0000 ENGLISH	9	13	20	18	1	1625	26.64
1000 MATH	2	2	19	20	1	1305	29.66
2000 SCIENCE	2	2	19	17	1	1210	29.51
3000 SOC. ST.	3	3	13	32	1	1572	30.23
3800 ROTC	0	3	2	0	0	123	24.60
4000 FOREIGN LANG	0	3	4	12	4	731	31.78
5000 MUSIC/ART	3	2	1	6	3	509	33.93
6000 PE	0	0	0	5	18	863	37.52
8000 VOC ED	5	4	6	5	4	638	26.58
TOTALS	24	32	84	115	33		

CHUGIAK HIGH SCHOOL  
 QUARTER SELECTED - 1  
 EXCLUDING SPECED CAREER INDSTUDY MISC

10-OCT-1990 19:03

COURSE	CLASS FREQUENCIES					STUDENT TOTALS	
	1-20	21-25	26-30	31-35	36+	TOTAL STUDENTS	AVE. CLASS SIZE
0000 ENGLISH	3	5	12	32	2	1628	30.15
1000 MATH	2	4	25	13	1	1297	28.82
2000 SCIENCE	2	7	12	19	0	1162	29.05
3000 SOC. ST.	1	4	9	29	3	1437	31.24
3800 ROTC	2	3	0	0	0	94	18.80
4000 FOREIGN LANG	2	5	6	3	0	418	26.13
5000 MUSIC/ART	4	7	0	4	2	471	27.71
6000 PE	0	1	2	4	17	883	36.79
8000 VOC ED	12	13	14	5	0	954	21.68
TOTALS	28	49	80	109	25		

DIMOND HIGH SCHOOL  
 QUARTER SELECTED = 1  
 EXCLUDING SPECED CAREER INDSTUDY MISC

10-OCT-1990 19:08

COURSE	CLASS FREQUENCIES					STUDENT TOTALS	
	1-20	21-25	26-30	31-35	36+	TOTAL STUDENTS	AVE. CLASS SIZE
0000 ENGLISH	7	9	35	13	3	1817	27.12
1000 MATH	3	9	21	21	0	1517	28.09
2000 SCIENCE	8	6	35	2	0	1284	25.18
3000 SOC. ST.	6	0	27	20	4	1625	28.51
3800 ROTC	11	0	0	0	0	125	11.36
4000 FOREIGN LANG	4	2	4	8	3	598	28.48
5000 MUSIC/ART	4	2	4	6	3	559	29.42
6000 PE	1	0	0	7	18	932	35.85
8000 VOC ED	14	7	10	13	2	1078	23.43
TOTALS	58	35	136	90	33		

EAST HIGH SCHOOL  
 QUARTER SELECTED - 1  
 EXCLUDING SPECED CAREER INDSTUDY MISC

10-OCT-1990 19:08

COURSE	CLASS FREQUENCIES					STUDENT TOTAL STUDENTS	TOTALS AVE. CLASS SIZE
	1-20	21-25	26-30	31-35	36+		
0000 ENGLISH	17	19	13	17	1	1622	24.21
1000 MATH	6	7	7	21	5	1275	27.72
2000 SCIENCE	4	12	18	10	1	1198	26.62
3000 SOC. ST.	6	9	18	14	4	1432	28.08
3800 ROTC	8	1	1	0	0	125	12.50
4000 FOREIGN LANG	4	3	4	12	0	643	27.96
5000 MUSIC/ART	4	2	4	3	4	515	30.29
6000 PE	4	2	5	1	13	759	30.36
8000 VOC ED	10	4	11	2	1	584	20.86
TOTALS	63	59	81	80	29		

QUARTER SELECTED = 1

EXCLUDING SPECED CAREER INDSTUDY MISC

COURSE	CLASS FREQUENCIES					STUDENT TOTALS	
	1-20	21-25	26-30	31-35	36+	TOTAL STUDENTS	AVE. CLAS SIZE
0000 ENGLISH	7	7	24	30	3	2025	28.52
1000 MATH	2	4	14	35	1	1716	30.64
2000 SCIENCE	0	8	9	34	0	1553	30.45
3000 SOC. ST.	7	2	21	28	6	1868	29.19
3800 ROTC	8	2	0	0	0	153	15.30
4000 FOREIGN LANG	3	6	12	10	1	888	27.75
5000 MUSIC/ART	2	1	5	3	2	399	30.69
6000 PE	3	1	1	9	17	1081	34.87
8000 VOC ED	17	6	15	15	1	1287	23.83
TOTALS	49	37	101	164	31		

WEST SENIOR HIGH  
 QUARTER SELECTED - 1  
 EXCLUDING SPECED CAREER INDSTUDY MISC

10-OCT-1990 19:10

COURSE	CLASS FREQUENCIES					STUDENT TOTALS	
	1-20	21-25	26-30	31-35	36+	TOTAL STUDENTS	AVE. CLASS SIZE
0000 ENGLISH	16	9	20	10	2	1314	23.05
1000 MATH	7	7	12	10	5	1102	26.88
2000 SCIENCE	3	4	21	8	0	1006	27.94
3000 SOC.-ST.	8	11	11	16	4	1303	26.06
3800 ROTC	0	4	0	1	0	126	25.20
4000 FOREIGN LANG	2	1	9	4	2	498	27.67
5000 MUSIC/ART	4	0	10	0	2	425	26.56
6000 PE	7	1	6	3	8	697	27.88
8000 VOC ED	9	5	3	1	6	512	21.33
<b>TOTALS</b>	<b>56</b>	<b>42</b>	<b>92</b>	<b>53</b>	<b>29</b>		

QUARTER SELECTED - 1

EXCLUDING SPECED CAREER INDSTUDY MISC

COURSE	CLASS FREQUENCIES					STUDENT TOTALS	
	1-20	21-25	26-30	31-35	36+	TOTAL STUDENTS	AVE.CLASS SIZE
0000 ENGLISH	2	1	4	9	0	465	29.06
1000 MATH	2	3	11	2	0	485	26.94
2000 SCIENCE	0	2	7	7	0	477	29.81
3000 SOC.ST.	1	4	9	3	0	461	27.12
4000 FOREIGN LANG	1	0	1	1	0	73	24.33
5000 MUSIC/ART	2	1	2	0	3	227	28.38
6000 PE	0	0	0	2	11	515	39.62
8000 VOC ED	1	2	2	0	0	121	24.20
TOTALS	9	13	36	24	14		

CLASS DATA SUMMARY  
 CLARK JUNIOR HIGH SCHOOL  
 QUARTER SELECTED = 1  
 EXCLUDING SPECED CAREER INDSTUDY MISC

10-OCT-1990 19:11

COURSE	CLASS FREQUENCIES					STUDENT TOTALS	
	1-20	21-25	26-30	31-35	36+	TOTAL STUDENTS	AVE. CLASS SIZE
0000 ENGLISH	13	4	11	2	0	649	21.63
1000 MATH	2	5	11	6	0	661	27.54
2000 SCIENCE	1	2	19	2	0	657	27.38
3000 SOC. ST.	0	1	9	11	0	638	30.38
4000 FOREIGN LANG	0	1	1	0	0	51	25.50
5000 MUSIC/ART	2	6	1	5	1	406	27.07
6000 PE	0	1	1	6	11	665	35.00
8000 VOC ED	0	3	5	0	0	211	26.38
TOTALS	18	23	58	32	12		

QUARTER SELECTED - 1

EXCLUDING SPECED CAREER INDSTUDY MISC

COURSE	CLASS FREQUENCIES					STUDENT TOTAL STUDENTS	TOTALS AVE. CLASS SIZE
	1-20	21-25	26-30	31-35	36+		
0000 ENGLISH	1	7	13	9	0	839	27.97
1000 MATH	0	8	14	8	0	845	28.17
2000 SCIENCE	0	5	11	13	0	840	28.97
3000 SOC. ST.	0	2	17	10	0	832	28.69
4000 FOREIGN LANG	0	0	2	0	0	54	27.00
5000 MUSIC/ART	5	2	5	1	2	375	25.00
6000 PE	1	1	4	5	14	855	34.20
8000 VOC ED	0	10	4	1	0	375	25.00
TOTALS	7	35	70	47	16		

QUARTER SELECTED = 1

EXCLUDING SPECED CAREER INDSTUDY MISC

COURSE	CLASS FREQUENCIES					STUDENT TOTAL STUDENTS	TOTALS AVE. CLASS SIZE
	1-20	21-25	26-30	31-35	36+		
0000 ENGLISH	3	2	16	22	1	1286	29.23
1000 MATH	3	4	22	14	0	1243	29.91
2000 SCIENCE	0	6	23	12	1	1233	29.36
3000 SOC.ST.	1	3	15	21	2	1262	30.05
4000 FOREIGN LANG	1	2	4	3	1	302	27.45
5000 MUSIC/ART	1	2	6	2	6	559	32.88
6000 PE	0	0	0	13	19	1182	36.94
8000 VOC ED	0	3	9	0	0	313	26.08
TOTALS	9	22	95	87	30		

QUARTER SELECTED - 1

EXCLUDING SPECED CAREER INDSTUDY MISC

COURSE	CLASS FREQUENCIES					STUDENT TOTAL STUDENTS	TOTALS AVE. CLASS SIZE
	1-20	21-25	26-30	31-35	36+		
0000 ENGLISH	9	10	15	1	0	841	24.03
1000 MATH	4	8	15	6	0	872	26.42
2000 SCIENCE	1	7	15	8	1	885	27.66
3000 SOC. ST.	1	7	16	7	0	854	27.55
4000 FOREIGN LANG	0	1	2	3	0	176	29.33
5000 MUSIC/ART	0	4	4	4	2	457	32.64
6000 PE	0	0	2	6	17	888	35.52
8000 VOC ED	0	2	5	2	0	255	28.33
TOTALS	15	39	74	37	20		

## CLASS SIZE ANALYSIS

ROMIG JUNIOR HIGH

10-OCT-1990 19:12

QUARTER SELECTED = 1

EXCLUDING SPECED CAREER INDSTUDY MISC

COURSE	CLASS FREQUENCIES					STUDENT TOTALS	
	1-20	21-25	26-30	31-35	36+	TOTAL STUDENTS	AVE. CLASS SIZE
0000 ENGLISH	1	6	9	5	0	557	26.52
1000 MATH	1	0	15	5	0	604	28.76
2000 SCIENCE	2	2	15	3	0	592	26.91
3000 SOC. ST.	1	1	15	3	0	573	28.65
4000 FOREIGN LANG	2	0	1	2	0	124	24.80
5000 MUSIC/ART	2	4	2	0	2	272	27.20
6000 PE	0	1	2	2	10	539	35.93
8000 VOC ED	1	4	4	3	0	316	26.33
TOTALS	10	18	63	23	12		

QUARTER SELECTED - 1

EXCLUDING SPECED CAREER INDSTUDY MISC

COURSE	CLASS FREQUENCIES					STUDENT TOTAL STUDENTS	TOTALS AVE. CLAS: SIZE
	1-20	21-25	26-30	31-35	36+		
0000 ENGLISH	6	4	16	12	0	1033	27.18
1000 MATH	5	6	13	8	0	850	26.56
2000 SCIENCE	2	4	7	17	0	865	28.83
3000 SOC.ST.	0	2	7	19	0	867	30.96
4000 FOREIGN LANG	2	1	0	2	0	125	25.00
5000 MUSIC/ART	3	3	4	0	3	385	29.62
6000 PE	0	0	4	4	12	727	36.35
8000 VOC ED	1	4	3	2	0	259	25.90
TOTALS	19	24	54	64	15		

Reductions in Class Size	Average Class Size Reduction				Budget Development Class Size
	1st Student	2nd Student	3rd Student	4th Student	
<b>Elementary</b>					
Kindergarten Teacher FTE	\$ 180,000 4.0	\$ 225,000 5.0	\$ 270,000 6.0	\$ 315,000 7.0	21.5
Modified Primary	N/A	N/A	N/A	N/A	16.0
Grades 1-3 Teacher FTE	742,500 16.5	810,000 18.0	877,500 19.5	945,000 21.0	26.0
Grades 4-6 Teacher FTE	720,000 16.0	787,500 17.5	855,000 19.0	922,500 20.5	26.0
P.E. / Music / Art Teacher FTE	180,000 4.0	225,000 5.0	225,000 5.0	247,500 5.5	
Elementary Teacher FTE	\$ 1,822,500 40.5	\$ 2,047,500 45.5	\$ 2,227,500 49.5	\$ 2,430,000 54.0	
<b>Secondary</b>					
Grades 7-8 Teacher FTE	382,500 8.5	405,000 9.0	427,500 9.5	450,000 10.0	30.5
Alternative Schools	N/A	N/A	N/A	N/A	20.5
Grades 9-12 Teacher FTE	540,000 12.0	585,000 13.0	630,000 14.0	675,000 15.0	31.5
Secondary Teacher FTE	\$ 922,500 20.5	\$ 990,000 22.0	\$ 1,057,500 23.5	\$ 1,125,000 25.0	
Special Education Teacher FTE	\$ 697,500 15.5	\$ 765,000 17.0	\$ 832,500 18.5	\$ 900,000 20.0	Sp. Ed. Class Size reductions proportionate to regular classes
Incremental Totals Teacher FTE	\$ 3,442,500 76.5	\$ 3,802,500 84.5	\$ 4,117,500 91.5	\$ 4,455,000 99.0	
Cumulative Totals Teacher FTE	\$ 3,442,500 76.5	\$ 7,245,000 161.0	\$ 11,362,500 252.5	\$ 15,817,500 351.5	

#### Notes To Estimated Class Size Reductions

- Teachers' salary, benefits and substitute are estimated at approximately \$42,000 per class. Amounts shown are based on the estimated cost for newly hired teachers. Therefore, the annual cost would increase if these teachers receive annual incremental salary adjustments.
- Classroom supplies, furniture, and equipment are estimated at approximately \$3,000 per class. Existing student desks, tables, and chairs could be used in some schools, but others would require additional furniture.
- The cost of new school facilities and school support staff, which would also be needed if classes were reduced by 3 or 4 students per class, are not included in the analysis above. Many elementary schools and some of the secondary schools would not be able to add sufficient classrooms to reduce class size by 3 or 4 students per class.
- Increased funding to provide for additional Special Education teacher aides and Bilingual teachers and aides have not been included in the cost estimates.

#### Revenue Considerations

The preceding class size reduction information is presented for preliminary planning and consideration purposes. Class size reductions are a high District priority but because of their cost are very dependent on available funding. However, adequate additional funding to be able to address class size reductions may be received from the State if petroleum prices remain at current levels.