| Financing Public Education in Delaware   |
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| by   |
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#### Introduction

The College of Human Services, Education and Public Policy (CHEP) of the University of Delaware presents the following work as a study of the State's investment of financial resources in public education.

Education is a vital ingredient in the health of an economy, and has direct bearing on the quality of the Delaware workforce. Effective spending on public education may increase the quality of the labor market, enhance the productivity and competitiveness of state businesses, and render Delaware attractive to current and emerging industries as well as potential employees.

The purpose of the report is to provide a system-wide review of the public education finance system in Delaware. The report will detail how public education revenue is raised and spent. The report, divided into four sections, considers the education system at the state level. The first section is largely background material and provides information that will provide a broad perspective on public education financing. The second section describes Delaware's sources and allocation of funds. Where available, data are provided annually from 1990 through 2005. The third section uses comparative information to illustrate similarities and differences between Delaware and neighboring states along with the national average. The final section presents observations from the analysis. Understanding the allocation of resources can drive policy choices and highlight accountability of the system. This report serves as an overview of the financial system of pubic education in Delaware. Where possible, this research utilizes the most recent available data. For Delaware-specific data, the primary sources are the State Board of Education and the Department of Education's Report of Educational Statistics. For interstate comparisons the Federal Government's Digest of Education Statistics and the Journal of Education Vital Signs from the American School Board are the main sources.

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<sup>&</sup>lt;sup>1</sup> The research uses the latest available data. The latest data from the Delaware Department of Education is 2004-2005. Census data are for fiscal year 2005. The latest NCES data are 2003-2004.

# **Executive Summary**

Some key findings of the state-level research are:

- Public education is a \$1.4 billion investment in Delaware. Public education consumes more than one-fifth of direct general expenditures per capita, making it the single largest expenditure in the state budget.
- Public education current expenditures grew 130% since 1990. However, in per pupil, inflation-adjusted terms, expenditure growth was 34%. Public education revenue in Delaware is provided by the State (64%), local school districts (27%), and the Federal government (9%). Local school district revenue is raised primarily through property taxes (over 80%).
- State funding from the General Fund is allocated based upon formula. Funding levels depend on public school enrollment, and the education and experience of the teaching workforce.
- Salary and benefits are the largest cost of the public education system.
   Instruction receives the largest share of funding by function within the public education system.
- Despite the diversity of states in the Mid-Atlantic region, the distribution in percentage terms of public education financing is similar. The degree of variation among the Mid-Atlantic States is small. Delaware is in the mainstream in terms of how it spends its education dollars, and is not an outlier within the Mid-Atlantic. Delaware ranks in the top ten among all states for per pupil expenditures; reflecting the higher costs of the region versus the nation.
- The pupil/teacher ratio is falling in Delaware: from 16.7 in 1992 to 15.2 in 2004/5. The pupil/non-teaching staff ratio is falling, which reflects the fact that growth in non-teaching staff is outpacing public school enrollment growth. A rising pupil/non-teaching staff ratio would indicate that non-teaching staff are supporting a greater number of students (an economy of scale).
- Local revenue, which is raised primarily through property taxes, is a stable source of revenue and is growing in importance in the public education budget.
- Delaware inflation-adjusted expenditures per pupil are increasing faster than those of Maryland, New Jersey, and Pennsylvania.
- Average teacher salaries in Delaware are lower than the region (according to the American Teacher Federation, AFT), but greater than the national average. Beginning salaries in Delaware are greater than Pennsylvania and Maryland (AFT), but less than New York and New Jersey.

## **Background**

Public education in Delaware is now a billion dollar investment. During the 2004-2005 school year public school current expenditures<sup>2</sup> totaled over \$1.2 billion, and a record 119,109 students were enrolled in state public schools.<sup>3</sup> The average annual growth of these expenditures over the past ten years is 5.6%. In per pupil terms<sup>4</sup>, current expenditures increased from \$6,502 in 1994-1995 to \$10,503 in 2004-2005. This equates to 5% average annual growth. See Table 1.0 below.

Table 1.0 Summary of Current Expenditures on Public Education in Delaware: 1990-1991 to 2004-2005

|                    | 90-91  | 91-92   | 92-93   | 93-94   | 94-95   | 95-96   | 96-97   | 97-98   | 98-99   | 99-00   | 00-01   | 01-02   | 02-03   | 03-04   | 04-05   |
|--------------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Current            |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Expenditures       | 544    | 572     | 600     | 644     | 694     | 726     | 789     | 831     | 873     | 918     | 1,009   | 1,051   | 1,089   | 1,160   | 1,251   |
| % growth           | 4.40%  | 5.20%   | 4.90%   | 7.30%   | 7.90%   | 4.60%   | 8.60%   | 5.30%   | 5.10%   | 5.20%   | 9.90%   | 4.16%   | 3.62%   | 6.50%   | 7.80%   |
| Enrollment (FTE)   | 99,658 | 102,196 | 104,321 | 105,547 | 106,813 | 108,461 | 110,549 | 111,960 | 113,082 | 113,598 | 114,518 | 115,484 | 116,287 | 117,776 | 119,109 |
| % growth           |        | 2.50%   | 2.10%   | 1.20%   | 1.20%   | 1.50%   | 1.90%   | 1.30%   | 1.00%   | 0.50%   | 0.80%   | 0.08%   | 0.07%   | 1.30%   | 1.10%   |
| Per Pupil Current  |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Expenditures       | 5,458  | 5,599   | 5,753   | 6,101   | 6,502   | 6,696   | 7,135   | 7,420   | 7,718   | 8,085   | 8,811   | 9106    | 9,368   | 9,849   | 10,503  |
| % growth           |        | 2.60%   | 2.80%   | 6.00%   | 6.60%   | 3.00%   | 6.60%   | 4.00%   | 4.00%   | 4.80%   | 9.00%   | 3.30%   | 2.90%   | 5.10%   | 6.60%   |
| Inflation-adjusted |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Per Pupil Current  |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Expenditures       | 6,677  | 6,647   | 6,633   | 6,857   | 7,108   | 7,111   | 7,404   | 7,583   | 7,718   | 7,822   | 8,290   | 8,433   | 8,482   | 8,686   | 8,960   |
| % growth           |        | -0.50%  | -0.20%  | 3.40%   | 3.70%   | 0.00%   | 4.10%   | 2.40%   | 1.80%   | 1.30%   | 6.00%   | 1.70%   | 0.05%   | 2.41%   | 3.14%   |

Note: Current expenditures in millions of dollars. All sources of revenue. Adjusted expenditures are in 1999 dollars. Current Expenditures excludes State Board of Education. CPI 04 is used to adjust back to 1999. Enrollment comes from table 46 (not ADA or ADM) of Finance Section.

Increases in educational spending have not produced equivalent increases in educational attainment. In Delaware, as in the nation, average student achievement has not improved significantly.<sup>5</sup> Given this apparent disconnect between spending and

<sup>3</sup> Current expenditures adjusted by public enrollment K-12 full time equivalent.

3

<sup>&</sup>lt;sup>2</sup> Any expenditures excluding capital outlay or debt service.

<sup>&</sup>lt;sup>4</sup> Full-time equivalent pupils enrolled September 30, grades PK-12. Report of Educational Statistics, 2004-2005, Department of Education and State Board of Education.

<sup>&</sup>lt;sup>5</sup> See Delaware Department of Education performance measures. Recent data indicate improvements in Math across grades 3, 5, 8, and 10. For writing, the percentage of students meeting or exceeding Delaware's standards fell for grades 5 and 10.

standards, there is a need to spend wisely. That is, to raise funds and allocate them in a manner that promotes the greatest efficiency.

Three sources fund public education: Federal, state, and local government. These sources finance a variety of operations relating to the provision of public education including wages, benefits, materials, transportation, energy, and capital projects. The sources and allocation of funds will be analyzed in detail in Section 2 of the report.

Briefly, however, here are three primary expenditure types: current, facilities/construction and debt service, and community service and adult non-public education. In Delaware, current expenditures account for 90% of total expenditures, facilities/construction for approximately 8%, with community and adult non-public expenses making up the balance.

Federal education grants are available to states via a variety of programs, such as Drug Free Schools, Education for the Disabled, and Pre-School. States receive Federal funds, earmarked for specific programs, and while their application may be at the discretion of the state, they must be used within the scope of the grant's purpose.

State funding for the operating budget for public education comes from the general fund. The general fund receives money from a multitude of sources, the largest of which are personal income tax, and corporation taxes. Funds are allocated to local school districts via divisions based on enrollment. Each division's funding is designated for particular expenditures: division I is for the purpose of paying employees of the school districts, division II is for the purpose of paying other non-salary costs, and division III is for the purpose of equalizing revenue based upon tax efforts of the school districts. Transportation and debt service are the other primary current expenses. State expenditures are discussed in greater detail beginning on page 15. Local funding is raised primarily via property taxes. As described later, property taxes are a solid source of finance.

State Education Budget

Division | Division II | Division III | Di

Figure 1.0
Organization of the State Education Budget for Current Expenditures

Source: Center for Applied Demography and Survey Research, University of Delaware.

State funds are the largest contributor to public education. Allocation of these funds occurs from a formula, which guarantees a minimum level of funding for public education. The following section discusses the funding mechanism in greater detail. However, it is important to note that, generally speaking, education funding is tied to enrollment levels: the greater the enrollment, the more allocated funding. Since enrollment is a function of the size of the school age population, demographics play a key role in determining the amount of education expenditures. A brief overview of the State's demographics is provided below.

Delaware's population continues to grow. Between 1990 and 2006, the population increase was 28.1%, bringing the total number of residents to 853,476. The population growth average for the nation was 20.4%. Delaware is the thirteenth fastest growing state in the country, and the first in the Northeast region. Between 1990 and 2006, the population aged 5-17 grew 23.3%. Simultaneously, public school enrollment grew 19.5%, and non public school enrollment, 11.2%. The historical trend of school enrollment is shown in Figure 1.1 below.

Thousands

140

120

100

80

60

40

20

1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004

Non-Public 22.4 22.8 23.2 23.6 24 24.7 24.7 25.5 25.7 23.6 23.9 24.1 24.8 24.7 24.9 Public 99.7 102.2 104.3 105.5 106.8 108.5 110.5 112 113.1 113.6 114.5 115.5 116.3 117.8 119.1

Figure 1.1
Delaware Elementary and Secondary School Enrollment
by School Type

Source: Center for Applied Demography and Survey Research, University of Delaware. Digest of Education Statistics, estimated Fall enrollment. Public enrollment includes Charter school enrollment.

State and local districts also fund capital projects or facilities/construction projects and community service and adult nonpublic expenses. These projects range from minor projects (less than \$250,000) to major projects (\$250,000 or more). Capital expenditures account for approximately 14% of total expenditures, but are accounting for an increasing share of total expenditures in recent years. See Figure 1.2 below. An explanation of capital spending is provided on page 33.

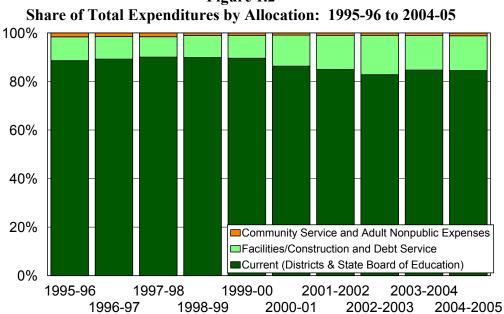


Figure 1.2

Source: Center for Applied Demography and Survey Research, University of Delaware. Report of Educational Statistics, State Board of Education and Department of Education.

As Figure 1.2 illustrates, expenditures for current expenses is the largest category of spending. Therefore, current spending will be the primary focus of this report.

# **Delaware Financing**

Delaware's financing of public education has steadily increased over the past several decades, as shown in Figure 2.0 below. In the last decade alone, current expenditures for public elementary and secondary schools almost doubled to over \$1.2 billion.

Thousands

1200

1200

1000

800

400

200

169-70"79-80"80-81"85-86"88-89"89-90"90-91"91-92"92-93"93-94"94-95"95-96"96-97"97-98"98-99"99-00"00-01"01-02"02-03"03-04"04-05"

Delaware

Figure 2.0 Current Expenditures for Public Elementary and Secondary Schools in Delaware

Source: Center for Applied Demography and Survey Research, University of Delaware Digest of Educational Statistics, 2001, table 168. Expenditures include local, State and Federal funds.

Since expenditures rise naturally with enrollment, it is useful to report spending on a per pupil basis. In this way the size of the student population is held constant. Per pupil spending has increased 65% since 1990, from \$5,974 to \$11,439. See Figure 2.1 below.

12000
10000
8000
4000
2000
159-60' 69-70' 79-80' 80-81' 85-86' 89-90' 90-91' 92-93' 93-94' 94-95' 95-96' 96-97' 97-98' 98-99' 99-00' 00-01' 01-02' 02-03' 03-04' 04-05'

Figure 2.1 Current Expenditures Per Pupil in Average Daily Membership in Public Elementary and Secondary Schools in Delaware

Source: Center for Applied Demography and Survey Research, University of Delaware Digest of Educational Statistics. Expenditures include local, State and Federal funds. Membership 1996 and later. Attendance pre-1996.

As with most goods and services, education costs rise over time due to inflation. To remove the effect of inflation from the per pupil statistics, expenditures are reported in constant 1998-1999 dollars. This adjustment reveals a more modest rate of increase in per pupil expenditures, see Figure 2.2 below. Inflation adjusted expenditures per pupil grew 23% since 1990, compared to over 100% in unadjusted expenditures for the same period.

1998-99 Dollars

1998-99 Dollars

10000

8000

4000

2000

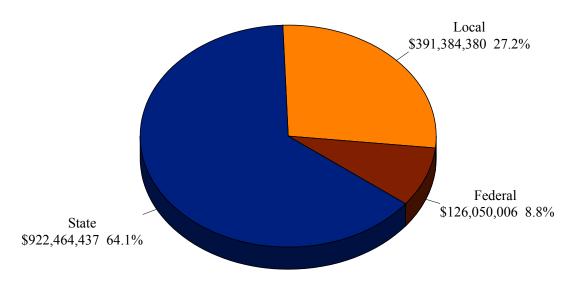
159-60'69-70'79-80'80-81'85-86'89-90'90-91'92-93'93-94'94-95'95-96'96-97'97-98'98-99'99-00'00-01'01-02'02-03'03-04'04-05'

Figure 2.2 Current Expenditures Per Pupil in Average Daily Attendance in Public Elementary and Secondary Schools in Delaware

Source: Center for Applied Demography and Survey Research, University of Delaware Digest of Educational Statistics, 2001, table 168. Expenditures include local, State and Federal funds.

As stated earlier, three distinct sources fund Delaware public education: Federal, State and local. These sources vary in the size of their contributions, as well as their means of generating revenue. The relative contribution size is shown in Figure 2.3 below. Clearly, the State is the largest contributor of funds to public education at 64%. Local funds are the next greatest, with 27%, and Federal funds account for 8%. Despite the wide variation in contributions, the public education system depends upon each source. As will be shown later, each state receives approximately the same share of contribution from the Federal government. However, state and local shares vary from state to state and reflects each state's organization.

Figure 2.3 Sources of Educational Revenue in Delaware 2004-2005



Source: Center for Applied Demography and Survey Research, University of Delaware, Report of Educational Statistics, State Board of Education and Department of Education. Table 28. Total all districts, plus Charter Schools and State Board of Education. May not sum to one hundred due to rounding differences. Table 28. Total all districts, State. Including Charter Schools and State Board of Education.

Delaware's public education system is organized as follows: Delaware operates a combination flat grant and tax-base equalizing program. Under a flat grant, the State sets a minimum level of funding and fully pays that amount through the General Fund. Local school districts may supplement the funding if they choose. Funds are apportioned as per capita grants determined by the number of students, and the education and experience of teachers. The latter factors bring variability to the funding mechanism. These allocations are classified under Delaware's Division I and Division II funding. (See discussion on page 15.)

The State also operates a tax-base equalizing program, called Division III funding. The State's role is to equalize school districts' abilities to raise necessary funds. Funds are redistributed from affluent districts to less affluent ones in order to provide a

■Local Revenue

more equitable distribution. Other states operate different systems, which will be discussed in the next section.

Percent of total educational revenue

80%
60%
40%
20%

Figure 2.4
Sources of Educational Revenue in Delaware as Share of Total
1990-2004

Source: Center for Applied Demography and Survey Research, University of Delaware Report of Educational Statistics, State Board of Education and Department of Education, State of Delaware. Includes Charter Schools. Includes Department of Education. The 1995 increase in local non-revenue receipts is driven by Brandywine and Christina School Districts. Non-revenue receipts are typically bonds issued to pay for planning, constructing, renovating and equipping schools.

1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004

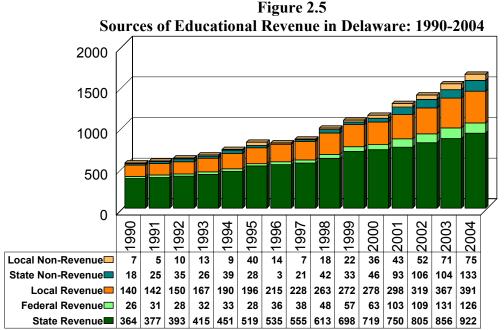
□Local Non-Revenue

■ State Revenue Received ■ Federal Revenue

■State Non-Revenue

Figure 2.4 illustrates the relative shares of revenue sources. Revenue receipts received allow additions to assets without increasing school indebtedness, reducing school property value or depleting school property. Money from taxes and tuition are examples of revenue receipts. Non-revenue receipts are receipts that accrue to the district as the result of incurring an obligation that must be met at a future date or reducing the value of school properties through the exchange of a property asset into a cash asset. Money obtained from the sale of bonds or school property would be classified as a non-revenue receipt.

There is little fluctuation in the relative size of these sources over the past decade. The State revenue averages 61% over the ten years. While the relative contributions are little changed, the associated dollar contribution increased. See Figure 2.5 below.



Report of Educational Statistics, State Board of Education and Department of Education,

Total spending on public education grew 200% since 1990.<sup>6</sup> State contributions more than doubled over this period, growing from \$382 million to \$1 billion. Public education in Delaware is now a billion dollar per year expenditure, with total state and local contributions combining to more than \$1.3 billion in 2004-2005.

A discussion of each of these sources follows. Attention will be focused on the state and local sources, since they fall under the direct control of the Delaware's stakeholders. Included are excerpt tables from the Census Bureau's Statistical Tables of Public Education Elementary-Secondary Education Finances: 2004-2005.<sup>7</sup> Variation in the data between the Census Bureau and the Department of Education may exist due to

State of Delaware. Includes Charter school.

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<sup>&</sup>lt;sup>6</sup> In nominal, non-inflation adjusted, terms.

<sup>&</sup>lt;sup>7</sup> http://www.census.gov/

reporting differences. Nevertheless, the Census Bureau data provides valuable insight into the State's education finance.

Table 2.0 provides an overview of the primary revenue streams and expenditures in Delaware. As stated earlier, the State is the largest source of public education revenue. Non-debt expenditures may be categorized into current spending, capital outlay, and others. In the tables that follow, these overview numbers are disaggregated to highlight the principle revenues and expenditures within each category.

Table 2.0
Summary of Public School System Finances for Elementary-Secondary Education (thousands of dollars)

|           |         |         | (                        |           |                     |                   |        |                        |        |
|-----------|---------|---------|--------------------------|-----------|---------------------|-------------------|--------|------------------------|--------|
|           | Reve    | enue    |                          |           | Exper               |                   |        | Cash and<br>Securities |        |
|           | Federal | State   | From<br>Local<br>Sources |           | Current<br>Spending | Capital<br>Outlay | Other  |                        |        |
| 1,379,461 | 106,513 | 894,498 | 378,450                  | 1,434,330 | 1,248,092           | 172,879           | 13,359 | 388,192                | 79,286 |

Source: Census Bureau's Statistical Tables of Public Education Elementary-Secondary Education

Finances: http://www.census.gov 2004-2005

#### Federal Funds.

Delaware received \$106.5 million from the Federal government for the school year 2004-2005. Allocations of funds are made through a number of Federal programs<sup>8</sup>, and are earmarked for specific purposes. The Department of Education provides detailed explanations of these programs.<sup>9</sup> School districts receive a degree of discretion in the spending of these funds, contingent upon their use within the scope of the Federal program's design. Federal revenue is either distributed through the state or paid directly. The size of the Federal revenue by function is shown below (Table 2.1).

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<sup>&</sup>lt;sup>8</sup> IASA Title I, IASA Title VI, ECIA Handicap, IDEA-B Basic, IDEA-B Pre-school, IASA Migrant, Public Law 874, IASA Title II, Math/Science Act, Vocational Education, Adult Basic Education, Drug Free Schools, Other.

Table 2.1
Revenue From Federal Sources (thousands of dollars)

|         |         |              |        | Direct Federal Aid |       |                           |  |                    |
|---------|---------|--------------|--------|--------------------|-------|---------------------------|--|--------------------|
| Total   | Total   | Compensatory |        | Child<br>Nutrition |       | Other and<br>Nonspecified |  | Impact<br>Aid Only |
| 106,513 | 106,513 | 30,287       | 25,851 | 17,616             | 4,345 | 28,414                    |  | -                  |

Source: Census Bureau's Statistical Tables of Public Education Elementary-Secondary Education

Finances: <a href="http://www.census.gov/govs/www/school02.html">http://www.census.gov/govs/www/school02.html</a> 2004-2004

#### State Funding.

The General Fund finances the State's public education spending. The General Fund's sources include, but are not limited to, personal income tax, corporation taxes, gross receipts tax, and franchise taxes.

Using the General Fund to finance public education suggests that public education competes for dollars with all other public services. However, the State employs a funding formula, which ensures a minimum level of provision to public schools, see Table 2.2 below. Furthermore, local school districts may supplement state funds with their own funds.

Table 2.2
Revenue From State Sources (thousands of dollars)

|         |            |              |             |            |                | Other and    | State         |
|---------|------------|--------------|-------------|------------|----------------|--------------|---------------|
|         | Formula    | Compensatory | Handicapped | Vocational | Transportation | Nonspecified | Payments on   |
| Total   | Assistance | Programs     | Programs    | Programs   | Programs       | State Aid    | Behalf of LEA |
| 894,498 | 623,560    | -            | 300         | -          | 54,998         | 215,640      | _             |

Source: Census Bureau's Statistical Tables of Public Education Elementary-Secondary Education

Finances. http://www.census.gov/govs/www/school02.html 2004-2005

The funding formula operates by converting enrollments to units. The pupil to unit ratio differs by grade and type of student. Elementary school pupils typically require small class sizes for effective learning, so the pupil to teacher ratio is low relative to

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<sup>&</sup>lt;sup>9</sup> Federal Department of Education website: www.ed.gov

secondary school pupils, for whom larger class sizes are the norm. Special education pupils do require still smaller class sizes, which leads to small pupil to teacher ratios. For example, 20 secondary students equate to one unit, whereas 17.4 elementary students equate to one unit, and 4 to 15 special education students equate to one unit (depending on the requirements of the special education students).

The State compensates school districts on a per unit basis. This compensation is split into divisions for classification purposes, which are defined below:

- Division I Unit—State appropriations allocated to a school district on a unit
  enrollment formula designated for the purpose of paying the employees of the
  various school districts of the state in accordance with the state supported salary
  schedules. The dollar amount paid per teacher varies with their education and
  experience.
- Division II Unit—State appropriations allocated to a school district on a unit enrollment formula designated for all other non-salary costs, such as energy, except those for debt service and the transportation of pupils.
- Division III Unit—State appropriations allocated to a school district based on a tax effort formula, utilized to equalize revenue receipts among school districts.

Broadly speaking, therefore, the student class size drives Division I funding. The other determinants of Division I funds are contingent on the teachers hired. Funds are released based upon teacher experience (years of service), and education. The salary reimbursement occurs in the following manner: Each school district may hire a teacher for each enrollment unit, and then charge the state for that teacher's salary based on the approved state salary schedule. The amount a district may charge is a function of that teacher's experience and education. Local school districts may supplement the state supported salary with their own funds. Indeed, districts often supplement the state funding by as much as 40%.

Linking teacher's salaries to their length of service and education can lead to "wage creep" in the expenses: as the age of the teaching staff increases, so does experience, leading to higher wages for the existing staff. In general, the average age and education of teachers increased over time.

Figure 2.6
Selected
Characteristics of
Delaware Public School
Teachers

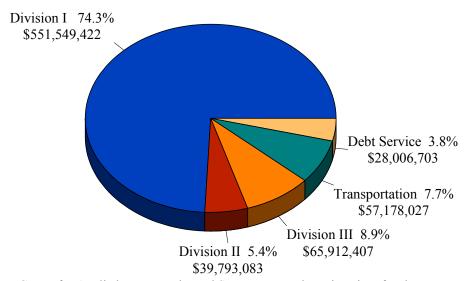
| Average age                   | 1981<br>39 | <u>2001</u><br>42 |
|-------------------------------|------------|-------------------|
| Highest degree held (percent) |            |                   |
| Less than bachelor's          | 1.0        | 3.1               |
| Bachelor's                    | 63.6       | 48.8              |
| Master's or specialist degree | 34.9       | 47.3              |
| Doctor's                      | 0.4        | 0.8               |

Source: Delaware Department of Education.

The average age of teachers continues to rise, as does the level of education. These factors cause larger wage bills.

Division I, which is salaries and other costs, is the largest state appropriation. This is to be expected given the labor-intensive nature of education. Division III equalization is the second largest category, albeit far smaller than Division I. Energy and other costs, which fall under Division II financing, receive 5.4% of the budget.

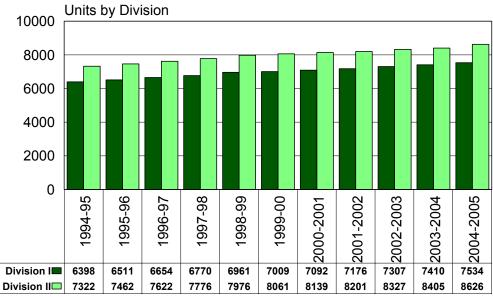
Figure 2.7 State Appropriations 2004-2005 Total All Districts, State



Source: Center for Applied Demography and Survey Research, University of Delaware. Educational Statistics, 2002-2003, table 29. Total all districts and State Board of Education and Charter schools.

Division units mirror population and enrollment trends. They will also be affected by any alteration of the pupils per unit ratio, as may be the case with class size reductions. The recent trend in Division I and II units is presented in Figure 2.8 below.

Figure 2.8
Delaware Funding Units by Division 1994/5-2004/5



Source: Center for Applied Demography and Survey Research, University of Delaware Report of Educational Statistics, State Board of Education and Department of Education, State of Delaware.

Division III State funding seeks to equalize the revenue receipts for school districts. The assessment-to-sales ratio is a critical variable in the formula that allocates Division III funds to school districts in Delaware. Table 2.9 illustrates the growing importance of these funds to the State's school districts. Division III funds rose from \$7.7 million in the 1983-84 school year to \$53.8 million in the 1999-2000 school year. As a result, Division III as a percentage of total state educational appropriations increased from 3.1% to 8.1% by the 1999-2000 school year.

Figure 2.9
Division III and Total
State Educational
Budget (in millions of
dollars, unadjusted)

|             | ,                   |                    |              |
|-------------|---------------------|--------------------|--------------|
| Fiscal Year | <b>Division III</b> | <b>Total State</b> | Percent of   |
|             | <b>Budget</b>       | <b>Budget</b>      | <b>Total</b> |
| 1983-1984   | 7.7                 | 247.3              | 3.1          |
| 1984-1985   | 13.2                | 265.7              | 5.0          |
| 1985-1986   | 16.1                | 293.1              | 5.5          |
| 1986-1987   | 21.7                | 309.7              | 7.0          |
| 1987-1988   | 24.1                | 329.9              | 7.3          |
| 1988-1989   | 25.1                | 358.5              | 7.0          |
| 1989-1990   | 29.2                | 377.4              | 7.7          |
| 1990-1991   | 32.7                | 401.1              | 8.2          |
| 1991-1992   | 36.0                | 422.8              | 8.5          |
| 1992-1993   | 39.1                | 431.4              | 9.1          |
| 1993-1994   | 41.1                | 457.6              | 9.0          |
| 1994-1995   | 42.1                | 475.9              | 8.8          |
| 1995-1996   | 44.0                | 530.1              | 8.3          |
| 1996-1997   | 46.5                | 554.8              | 8.4          |
| 1997-1998   | 49.1                | 609.6              | 8.1          |
| 1998-1999   | 51.6                | 637.5              | 8.1          |
| 1999-2000   | 53.8                | 666.7              | 8.1          |
|             |                     |                    |              |

**Source: Budget of the State of Delaware** 

### Local Funding.

Local funding is the second most important source of public education finance.

These funds make up twenty-seven cents of every public education dollar spent, making this a vital component of the education budget.

<sup>&</sup>lt;sup>10</sup> See The 1999 Assessment to Sales Ratio Study for a discussion of Division III funding. <a href="http://www.cadsr.udel.edu/DOWNLOADABLE/DOCUMENTS/ASSSAL99.pdf">http://www.cadsr.udel.edu/DOWNLOADABLE/DOCUMENTS/ASSSAL99.pdf</a>

Local sources rely on property taxes for the majority of their revenue. Property taxes account for over 84% of local education revenue, see Table 2.3.

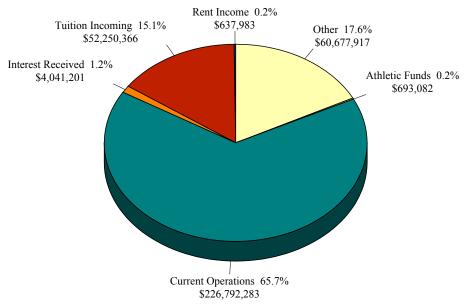
Table 2.3
Revenue From Local Sources (thousands of dollars)

|         |          |       | Parent       | Nonschool  | School  | Tuition and    |         | Other   |
|---------|----------|-------|--------------|------------|---------|----------------|---------|---------|
|         | Property | Other | Governmental | Local      | Lunch   | Transportation | Other   | Local   |
| Total   | Taxes    | Taxes | Contribution | Government | Charges | Charges        | Charges | Revenue |
| 378,450 | 316,482  | ı     | -            | -          | 16,766  | -              | 688     | 44,514  |

Source: Census Bureau's Statistical Tables of Public Education Elementary-Secondary Education Finances: http://www.census.gov/govs/www/school02.html 2004-2005.

Property taxes are the primary means of local funding. Property taxation provides a stable source of revenue irrespective of the economic climate, unlike sales and income taxes, which fluctuate with the economy. Revenue receipts fund 66% of the local districts' current operations.

Figure 2.10
Allocation of Local Revenue Receipts by Current Expense Category 2004-2005



Source: Center for Applied Demography and Survey Research, University of Delaware Report of Educational Statistics, State Board of Education and Department of Education, State of Delaware. Includes Charter Schools and State Board of Education.

The percentage distribution of revenue sources is presented below, including selected sources.

Table 2.4
Percent Distribution of Elementary-Secondary Public School System Revenue
by Source

| J     |       |                |       |             |       |                  |             |         |  |  |
|-------|-------|----------------|-------|-------------|-------|------------------|-------------|---------|--|--|
|       | Fe    | ederal sources | St    | ate sources |       | Local so         | ources      |         |  |  |
|       |       |                |       |             |       |                  |             |         |  |  |
|       |       |                |       |             |       | Taxes and parent |             |         |  |  |
|       |       | Compensatory   |       | Formula     |       | government       | Other local |         |  |  |
| Total | Total | (Title I)      | Total | assistance  | Total | contribution     | governments | Charges |  |  |
| 100.0 | 7.7   | 2.2            | 64.8  | 45.2        | 27.4  | 22.9             | -           | 1.3     |  |  |

Source: Census Bureau's Statistical Tables of Public Education Elementary-Secondary Education

Finances: http://www.census.gov/govs/www/school02.html 2004-2005

As mentioned previously, expenditures may be categorized into current spending, capital, and debt service. Current spending is analyzed in Table 2.5 below. Salaries and benefits comprise a large proportion of current spending (77%). Instruction salaries and benefits account for 62% of current spending. Support services account for 34%, and other services 5%.

#### Support services include:

- pupil support services (Guidance Counselors, Psychologists, Therapists, Nurses),
- instructional staff support services (Directors of Instruction, Supervisors of Instruction, Librarians),
- general administration (Chief School Officers, Assistant Superintendents, Administrative Assistants, Clerical),
- school administration (Principals, Assistant Principals, Clerical),
- operations and maintenance (Custodians, Maintenance Specialists),
- pupil transportation (School Bus Drivers, Transportation Supervisors,
   Transportation Specialists, Bus Aides Support Services), and

 other (Directors of Administration, Specialists/Support, Supervisors/Support, Administrative Assistants/Support, Clerical).

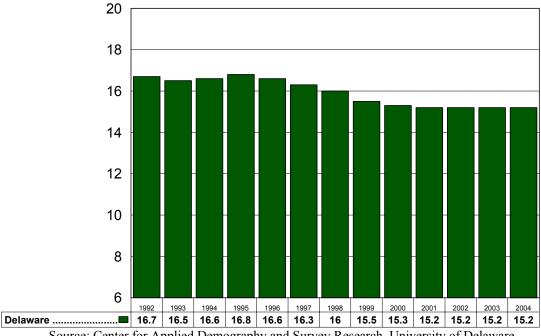
Table 2.5
Current Spending (thousands of dollars)

|  |           | All fund  | ctions   |         | Instruction |          |         | Support services |          |           |  |
|--|-----------|-----------|----------|---------|-------------|----------|---------|------------------|----------|-----------|--|
|  |           | Salaries  | Employee |         | Salaries    | Employee |         | Salaries         | Employee | All other |  |
|  | Total     | and wages | benefits | Total   | and wages   | benefits | Total   | and wages        | benefits | functions |  |
|  | 1,248,092 | 703,917   | 282,510  | 761,786 | 493,373     | 198,198  | 424,220 | 191,530          | 78,979   | 62,086    |  |

Source: Census Bureau's Statistical Tables of Public Education Elementary-Secondary Education Finances <a href="http://www.census.gov/govs/www/school02.html">http://www.census.gov/govs/www/school02.html</a> 2004-2005

When considering budget allocations, a number of measures may be utilized: spending per pupil, spending per school, spending per category, etc. Pupil/teacher ratios are a useful way to consider the level of staffing, holding enrollment constant. Delaware's teacher/pupil ratio fell during the past decade, from 16.7 to 15.2, see Figure 2.11 below.

Figure 2.11
Pupil/Teacher Ratio for Delaware 1992 to 2004



Source: Center for Applied Demography and Survey Research, University of Delaware Report of Educational Statistics, State Board of Education and Department of Education, State of Delaware.

Per pupil current spending is deconstructed below. Of the approximately \$11,000 per pupil spending, 80% is accounted for by salaries and wages and employee benefits. Instructional spending is 62% of current spending. General administration and school administration expressed as a percentage of total current spending are 1% and 6% respectively.

Table 2.6
Per Pupil Amounts for Current Spending (dollars)

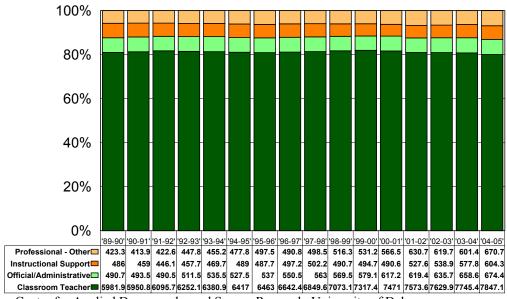
|        |              |          |       | Instruction  |          | Support services |         |         |                |                |  |  |
|--------|--------------|----------|-------|--------------|----------|------------------|---------|---------|----------------|----------------|--|--|
|        |              |          |       |              |          |                  |         |         |                |                |  |  |
|        | Salaries and | Employee |       | Salaries and | Employee |                  | Pupil   | Staff   | General        | School         |  |  |
| Total  | wages        | benefits | Total | wages        | benefits | Total            | support | support | administration | administration |  |  |
| 10,910 | 6,254        | 2,510    | 6,718 | 4,383        | 1,761    | 3,769            | 524     | 138     | 119            | 625            |  |  |

Source: Census Bureau's Statistical Tables of Public Education Elementary-Secondary Education Finances: http://www.census.gov. Not all items and functions are reported, therefore function sub-totals do not sum to aggregate. 2004-2005

In theory, public funding of any activity is a reflection of the values, priorities, and preferences of elected officials. However, the reality is that the budget or policy process has for decades now been governed by formula. A formula-based approach supports primarily current activities, with new programs approved for funding only through the availability of additional monies above the needs of current activities. This renders the budget system relatively inflexible to changes in the provision of public education.

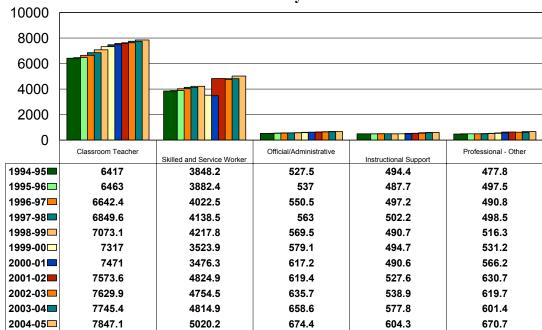
Classroom teachers are 80% of total professional staff. A total of 1,865.2 full time equivalent (FTE) teachers have been added since 1990/91. The composition of Delaware's staff experienced little fluctuation in the past decades (see Figure 2.12 below).

Figure 2.12
Share of Professional Educational Personnel Full-Time Equivalent by Assignment Classification: 1989-1990 to 2004-2005



Source: Center for Applied Demography and Survey Research, University of Delaware Report of Educational Statistics, State Board of Education and Department of Education, State of Delaware. Full time equivalent.

Figure 2.13
Delaware Public Education Staff by Function: 1994-95 to 2004-2005



Source: Center for Applied Demography and Survey Research, University of Delaware Report of Educational Statistics, State Board of Education and Department of Education, State of Delaware. Full time equivalent.

Classroom teachers grew 32% between 1990-91 and 2004-05. The growth in enrollment is driving this growth of teachers. School officials/administrative staff are growing at 37%. Other professional staff are growing at 62%.

Table 2.7 below shows the trend in staffing over the 1994-1995 to 2004-2005<sup>11</sup> period. The fastest growing category is other professionals, which includes psychologists, psychometrists, speech and hearing specialists, social workers, home visitors, nurses, supervisors of pupil support, and specialists of pupil support. Classroom teachers, which includes both regular and special, have had 21% growth 1994-95 to 2004-05. Officials and administrative staff are growing at a similar pace.

Table 2.7
Delaware Public Education Staff by Function: 1994-1995 to 2004-2005

|                         | 1994- | 1995- | 1996- | 1997- | 1998- | 1999- | 2000- | 2001-  | 2002- | 2003- | 2004-  |        | %      |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|--------|--------|--------|
|                         | 95    | 96    | 97    | 98    | 99    | 00    | 01    | 02     | 03    | 04    | 05     | Growth | Growth |
| Classroom Teacher       | 6,417 | 6,463 | 6,642 | 6,850 | 7,073 | 7,317 | 7,471 | 7573.6 | 7,630 | 7,745 | 7847.1 | 1,328  | 21%    |
| Skilled and Service     |       |       |       |       |       |       |       |        |       |       |        |        |        |
| Worker                  | 3,848 | 3,882 | 4,023 | 4,139 | 4,218 | 3,524 | 3,476 | 4824.9 | 4,755 | 4,815 | 5020.2 | 967    | 25%    |
| Official/Administrative | 528   | 537   | 551   | 563   | 570   | 579   | 617   | 619.4  | 635.7 | 658.6 | 674.4  | 131    | 25%    |
| Instructional Support   | 494   | 488   | 497   | 502   | 491   | 495   | 491   | 527.6  | 538.9 | 577.8 | 604.3  | 84     | 17%    |
| Professional - Other    | 478   | 498   | 491   | 499   | 516   | 531   | 566   | 630.7  | 619.7 | 601.4 | 670.7  | 123    | 26%    |

Source: Center for Applied Demography and Survey Research, University of Delaware Report of Educational Statistics, State Board of Education and Department of Education, State of Delaware.

Note: Numbers are FTE. Totals may not agree due to rounding differences.

Table 2.7 above shows positive growth across the staff categories. The strong growth among the non-teaching staff suggests that these positions are growing with enrollment. This implies that they are variable costs, which are not fixed and change with volume.

If a measure is constructed comparing pupils to public school personnel, some interesting patterns arise, see Table 2.8 below. The pupil/teacher ratio has fallen over the period as teacher growth outstripped enrollment growth. The pupil-total personnel ratio

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<sup>&</sup>lt;sup>11</sup> The 2002-2003 data were preliminary, but are included to adjust for the volatility in the skilled and service worker category in 1999-00 and 2000-1. This volatility may reflect changes in reporting.

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has also dropped, principally due to the increased number of teachers. The pupil/non-teaching staff ratio has fallen slightly. This indicates that non-teaching staff are being hired at a slightly faster rate than enrollment is growing. If staff efficiency increases, the same number of staff would service a greater number of students, and the pupil-non teaching staff measure would rise. This would equate with economies of scale. Instead, the measure fell slightly.

Table 2.8

Delaware Pupil to Personnel Measures

| T T                          |         |         |         |         |         |         |         |         |         |         |         |
|------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                              | 1994-95 | 1995-96 | 1996-97 | 1997-98 | 1998-99 | 1999-00 | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 |
| Enrollment<br>(FTE)          | 106,813 | 108,461 | 110,549 | 111,960 | 113,082 | 113,598 | 114,518 | 115,484 | 116,287 | 117,776 | 119,109 |
| Total<br>Personnel           | 11,765  | 11,868  | 12,203  | 12,552  | 12,867  | 12,446  | 12,622  | 14,176  | 14,179  | 14,398  | 14,817  |
| Classroom<br>Teachers        | 6,417   | 6,463   | 6,642   | 6,850   | 7,073   | 7,317   | 7,471   | 7,574   | 7,630   | 7,745   | 7,847   |
| Non-teachers                 | 5,348   | 5,405   | 5,561   | 5,702   | 5,794   | 5,129   | 5,151   | 6,603   | 6,549   | 6,653   | 6,970   |
| Ratios                       |         |         |         |         |         |         |         |         |         |         |         |
| Pupil/Teacher                | 16.6    | 16.8    | 16.6    | 16.3    | 16      | 15.5    | 15.3    | 15.2    | 15.2    | 15.2    | 15.2    |
| Pupil/Total<br>Personnel     | 9.1     | 9.1     | 9.1     | 8.9     | 8.8     | 9.1     | 9.1     | 8.1     | 8.2     | 8.2     | 8.0     |
| Pupil/Non-<br>teaching staff | 20      | 20.1    | 19.9    | 19.6    | 19.5    | 22.1    | 22.2    | 17.5    | 17.8    | 17.7    | 17.1    |
| teaching Stair               | 20      | 20.1    | 19.9    | 19.0    | 19.5    | 22.1    | 22.2    | 17.5    | 17.0    | 17.7    | 17.1    |

Source: Center for Applied Demography and Survey Research, University of Delaware Report of Educational Statistics, State Board of Education and Department of Education, State of Delaware.

Table 2.9
Disaggregated Official/Administrative Staff in Delaware

|                             |         | 1999- | 2000- | 2001- | 2002- | 2003- | 2004- | Change 98-  |
|-----------------------------|---------|-------|-------|-------|-------|-------|-------|-------------|
|                             | 1998-99 | 2000  | 2001  | 2002  | 2003  | 2004  | 2005  | 99 to 04-05 |
| Superintendent              | 23      | 21    | 22    | 22    | 17    | 24    | 22    | -1          |
| Assistant<br>Superintendent | 12      | 10    | 11    | 15    | 17    | 21    | 23    | 11          |
| Director                    | 41      | 47    | 45    | 54    | 58    | 69    | 60    | 19          |
| Administrative<br>Assistant | 11      | 14    | 16    | 18    | 19    | 20.9  | 20.8  | 9.8         |
| Supervisor, Gen.<br>Support | 74      | 74    | 72    | 68    | 65    | 73.2  | 81.7  | 7.7         |
| Specialist, Gen.<br>Support | 72      | 75    | 88.1  | 70    | 81    | 79.5  | 85.1  | 13.1        |
| Principal                   | 162     | 157   | 168   | 176   | 175   | 178   | 181   | 19          |
| Assistant Principal         | 160     | 168   | 181   | 184   | 194   | 192   | 193   | 33          |
| Other General Support       | 14.5    | 13.1  | 14.1  | 10    | 11    | 1     | 7.8   | -6.7        |
| Total                       | 569.5   | 579.1 | 617.2 | 617   | 637   | 658.6 | 674.4 | 104.9       |

Source: Center for Applied Demography and Survey Research, University of Delaware Report of Educational Statistics, State Board of Education and Department of Education, State of Delaware.

The table above disaggregates the official/administrative classification. The greatest number of additions are directors and assistant principals. Simultaneously, the number of schools in the system has expanded, which is affecting the number of principals and assistant principals. It is noteworthy that the number of Charter schools has more than tripled since 1998-99.

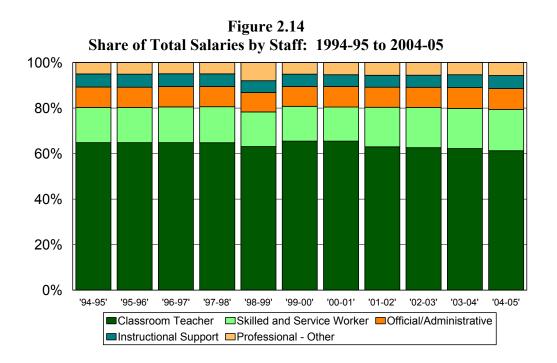
Table 2.10 Delaware Public Schools

|                               | 1998-99 | 1999-00 | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 |
|-------------------------------|---------|---------|---------|---------|---------|---------|---------|
| High Schools                  | 29      | 29      | 29      | 31      | 31      | 31      | 29      |
| Junior High/Middle<br>Schools | 30      | 33      | 30      | 33      | 35      | 26      | 31      |
| Elementary Schools            | 85      | 82      | 89      | 96      | 95      | 96      | 100     |
| Early Education<br>Schools    | 17      | 16      | 14      | 15      | 7       | 7       | 7       |
| Special Schools               | 16      | 16      | 16      | 14      | 13      | 13      | 12      |
| Charter Schools               | 4       | 5       | 7       | 9       | 11      | 11      | 13      |
| Total Schools                 | 181     | 181     | 185     | 198     | 192     | 194     | 192     |

Source: Center for Applied Demography and Survey Research, University of Delaware Report of Educational Statistics, State Board of Education and Department of Education, State of Delaware.

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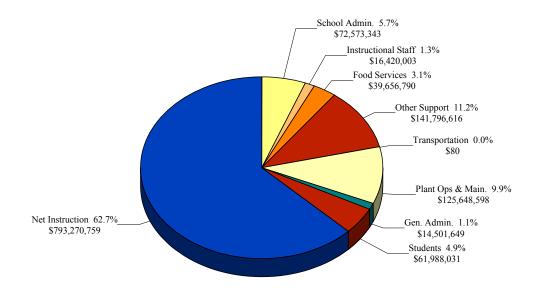
The division of staff salaries is presented in Figure 2.14. Classroom teachers' salaries account for 61% of total salaries. This has been largely unchanged since 1994-95.



Source: Center for Applied Demography and Survey Research, University of Delaware. Report of Educational Statistics, State Board of Education and Department of Education, 2003-2004 Table 2.

Figure 2.15 below illustrates the relative share of current expenses. These shares have exhibited little variation over recent years.

Figure 2.15 Current Expenses Delaware School Finance 2004-2005



Source: Center for Applied Demography and Survey Research, University of Delaware. Report of Educational Statistics, State Board of Education and Department of Education. Billions of dollars. Includes State Board of Education.

Breaking total expenditures into their broadest categories: current operations, facilities/construction, and community and adult nonpublic expenses, it can be seen that the majority of expenditures go towards current operations (districts and the state board of education). See Figures 2.16 and 2.17 below.

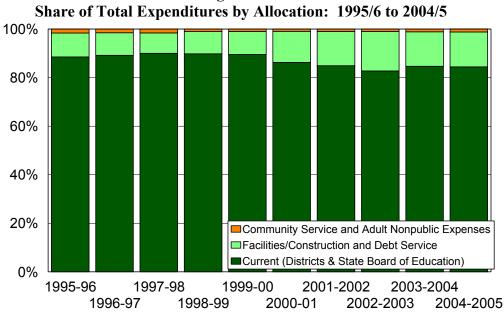


Figure 2.16

Source: Center for Applied Demography and Survey Research, University of Delaware. Digest of Education Statistics, 2003-2004. Report of Educational Statistics, State Board of Education and Department of Education.

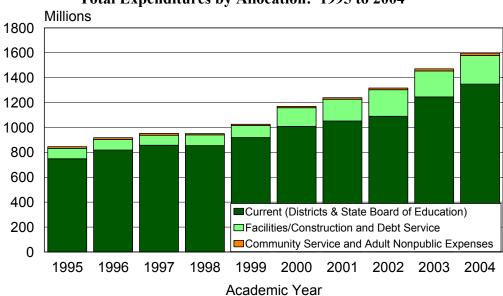


Figure 2.17 Total Expenditures by Allocation: 1995 to 2004

Source: Center for Applied Demography and Survey Research, University of Delaware. Digest of Education Statistics, 2001. Report of Educational Statistics, State Board of Education and Department of Education.

The State of Delaware allocates funds for school construction through two programs: Minor Capital Improvements and Major Capital Improvements.

Minor Capital Improvement Program—The Minor Capital Improvement Program provides for the planned and programmed maintenance and repair of school infrastructure. The program's primary purpose is to keep real property assets in their original condition of completeness and efficiency on a scheduled basis. It is not meant to increase the school inventory or change its composition. Minor Capital Improvement projects should cost less than \$250,000, except in the case of roof repair. The three-year program is submitted annually and should be comprised of work necessary for good maintenance practice. Under the Minor Capital Program, all districts are funded at a 60% State/40% Local cost ratio.

State Board Contingency—State Board Contingency is a funding allocation under the minor capital improvement program. An allocation of \$115,000 is granted annually for use by the Department of Education for emergency repairs. The guidelines for this are the same as the minor capital program guidelines. Under the State Board Contingency fund, all districts are funded at a 60% State/40% Local cost ratio.

Major Capital Improvement Program—The Major Capital Improvement Program is a program to provide for the planned and programmed repairs, renovations, and expansion of existing school facilities. The program also addresses the need for new school construction. Major Capital Improvement projects are those which cost \$250,000 or more. Districts submit to the Major Capital Improvement Program annually if there is a need for school repairs, renovations, expansions, or new construction. A request for a Major Capital Improvement Program project generates a Certificate of Necessity as determined by the Department of Education and enables a district to hold a referendum. The referendum is the mechanism that establishes the local public's desire to raise taxes. Once approved through referenda, the State is obligated to fund its portion of the total cost of a

school project. Funding under the Major Capital Improvement Program is based on a school district's taxing ability. Major Capital Improvement projects are funded from between a 60/40 to 80/20 State/Local ratio.

Capital expenditures are primarily construction costs (96%). Equipment is the second largest capital expenditure (15%).

Table 2.11
Capital Outlay, Interest, and Intergovernmental Expenditures
(thousands of dollars) 2004-2005

|         | Equipment    |                      |               |       |         |                   |
|---------|--------------|----------------------|---------------|-------|---------|-------------------|
|         |              | Land and<br>Existing |               |       |         |                   |
| Total   | Construction | Structures           | Instructional | Other | on Debt | Intergovernmental |
| 172,879 | 166,738      | (1)                  | 2,279         | 3,862 | 13,359  | -                 |

Source: Census Bureau's Statistical Tables of Public Education Elementary-Secondary Education

Finances: http://www.census.gov/

Delaware's formula-based appropriations ensure an objective distribution of state funds across school districts. Per pupil funds have been rising over time, reflecting the state's continued commitment to education. The state shoulders most of the burden of funding public education, however, this reflects the organization of the budget. Funding favors current operations, and within that category, instruction. Teachers comprise the largest share of professional staff. All categories of staff are expanding. Non-teaching staff are growing with enrollment, which implies they are variable costs. Using per-pupil measures, non-teaching staff growth is fractionally outpacing student enrollment growth, resulting in falling pupil/non-teaching staff ratios.

<sup>&</sup>lt;sup>1</sup>Amounts are included in construction.

### **Interstate Comparisons of Public Education Financing**

Extending the research to include other states and the national average brings perspective to Delaware's education financing system. The use of interstate comparisons reveals the similarities between Delaware, other states in this region, and the nation as a whole.

Education absorbs a significant amount of general expenditures in most states. The share of total direct expenditures per capita is shown in Figure 3.0 below. Delaware ranks high amongst Mid-Atlantic region states. Public education accounts for approximately 26% of direct expenditures.

Fiscal Year 2006 Percent of Total State Budget 30 25 20 15 10 5 0 Delaware PA MD NJ NY U.S. K-12■ 18.5 25.5 18.2 24.2 20.2 21.5

Figure 3.0 State Budget Allocations for Education Fiscal Year 2006

Source: Center for Applied Demography and Survey Research, University of Delaware, Education Vital Signs

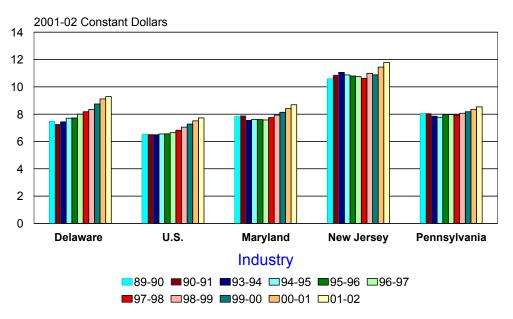
The State of Delaware provides a larger than average share of funds for education compared to other states. This is reflective of Delaware's system wherein the state rather than the district primarily funds teacher salaries. The contributions to public education by state are illustrated in Figure 3.1 below.

Figure 3.1 **Share of Revenues for Public Elementary and Secondary Schools** by Source 2004-2005 100% 80% 60% 40% 20% 0% Delaware U.S. PA MDNJ Local and Intermediate 12024003 378450 214571777 12101464 5498481 State = 894498 229525854 7667114 3729262 9340953 Federal■ 106513 44355247 1750988 670998 937945

Source: Center for Applied Demography and Survey Research, University of Delaware

Per pupil expenditures, adjusted for inflation, continue to rise throughout the nation. Delaware conforms to this trend, as seen in Figure 3.2. Per pupil expenditures for other states in the Mid-Atlantic region essentially remained unchanged over the past decade. Delaware current expenditures per pupil exceed the national average.

Figure 3.2 Current Expenditures Per Pupil Enrolled in Fall Semester Public Elementary and Secondary Schools by Source 1989-90 to 2001-2002



Source: Center for Applied Demography and Survey Research, University of Delaware. Digest of Education Statistics, 2001, table 168. Latest available data.

Instruction receives the largest share of expenditures in every state.

Approximately 60% of each state's budget is allocated for instruction. Student support services receive the second largest share, approximately 35%.

**Share of Total Current Expenditures for Public Elementary and Secondary Education By Function 2004-2005** 100% 80% 60% 40% 20% 0% Delaware U.S. PA MD NJ

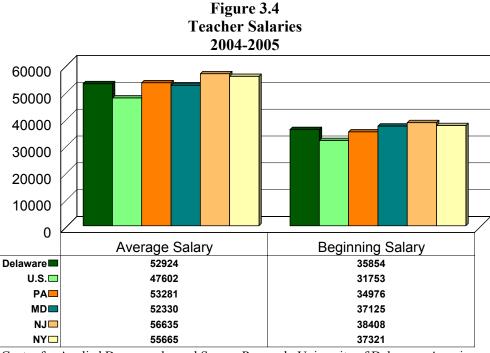
Figure 3.3

Source: Center for Applied Demography and Survey Research, University of Delaware. Census Bureau 2004-2005.

■Instruction ■Student support services ■Other functions

The percentage of funds allocated to student support varies little across these states. However, the amount of available funds varies considerably. Delaware's public education funding is \$1 billion, compared to Pennsylvania's approximately \$6 billion.

Two measures of teacher salaries are now presented: average and beginning. Delaware's average teachers' salaries are fractionally lower than other states in the region, but surpass the national average, see Figure 3.4 below. According to the American Federation of Teachers, beginning teacher salaries in Delaware are comparable to the regional averages, and above national averages. Delaware teacher salaries became more competitive vis-à-vis salaries in other Mid-Atlantic States with a sizeable increase in 1998-99. However, state averages mask the underlying district salaries, which can make state-to-state salary comparisons hazardous. Pennsylvania school districts, for example, are a diverse mix of income levels and urban and rural. Averaging beginning salaries in the state result in a lower beginning salary than Delaware. However, many of Pennsylvania's high paying school districts are in close proximity to Delaware, and in comparison to these districts, Delaware fares poorly (see appendix for a sample salary comparison).



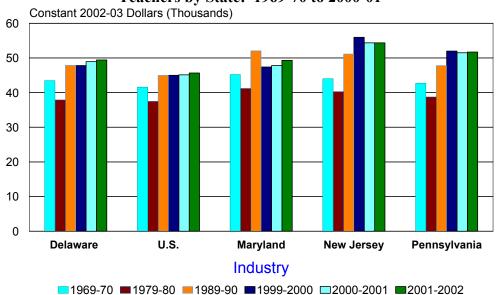
Source: Center for Applied Demography and Survey Research, University of Delaware. American Federation of Teachers, annual survey of state departments of education.

http://www.aft.org/

All statistics are 2004-2005.

Adjusting teacher salaries for inflation reveals that Delaware's teachers have experienced an increase in salary. Mid-Atlantic states simultaneously exhibit declining teaching salaries. Average teacher salary is the broadest measure available for compensation in public education. It can be said that compensation is keeping pace with the rate of inflation, so that Delaware's teacher salaries are not eroding. In other states, teacher salaries have not kept pace with inflation, leading to a decline in inflation-adjusted salaries.

Figure 3.5
Estimated Average Annual Salaries of Public Elementary and Secondary School
Teachers by State: 1969-70 to 2000-01



Source: Center for Applied Demography and Survey Research, University of Delaware. Latest available data.

A further way to consider the operation of gathering and allocating revenue is to deconstruct the budget into its component sources, see Table 3.0 below.

Table 3.0
Percent Distribution of Elementary and Secondary Public School System Revenue by Source and Selected States: 2004-2005

|    | Fed   |       | deral Sources            | al Sources State Sources |                       | Local Sources |       |
|----|-------|-------|--------------------------|--------------------------|-----------------------|---------------|-------|
|    | Total | Total | Compensatory<br>Programs |                          | Formula<br>Assistance | Total         | Taxes |
| US | 100.0 | 9.1   | 2.3                      | 47.0                     | 31.9                  | 43.9          | 37.1  |
| DE | 100.0 | 7.7   | 2.2                      | 64.8                     | 45.2                  | 27.4          | 22.9  |
| MD | 100.0 | 6.8   | 1.7                      | 37.7                     | 21.7                  | 55.5          | 51.1  |
| NJ | 100.0 | 4.2   | 1.1                      | 41.9                     | 15.3                  | 53.9          | 46.4  |
| NY | 100.0 | 7.2   | 2.6                      | 43.9                     | 25.0                  | 48.9          | 44.8  |
| NC | 100.0 | 10.1  | -                        | 58.0                     | 56.0                  | 31.9          | 27.9  |
| PA | 100.0 | 8.1   | 2.2                      | 35.6                     | 20.3                  | 56.2          | 51.1  |

Source: U. S. Census Bureau, Annual Survey of Government Finances, 2004-2005 Agency: Governments Division, Elementary-Secondary Education Statistics Branch

State revenue accounts for two-thirds of the public education distribution in Delaware, and almost fifty percent is made through formula assistance. Twenty-seven percent of distributions are from local fund allocations, which are generated almost entirely through property taxes. North Carolina, who also operates a flat grant system of education funding, has a similar mix of funding sources and distributions.

Other states (PA, NY, RI, and CT) require localities to determine desired spending levels and taxation, thereby resulting in localities having a dominant role in finance decisions. The states' role is to equalize districts' ability to raise necessary funds.

Some states (MD, NJ, VA, and others) define a level of adequate funding to provide and use a mix of state and local funds. In this case, the state determines a required level of local participation. The required local effort (RLE) serves as a state-imposed property tax.

The nuances of each state's system determine the mix of revenues and disbursements. Under one system, the state may appear to be shouldering more than local districts in the expense of public education. Under another system the reverse may appear to be the case. See Table 3.1 below:

Table 3.1
Per Pupil Amounts for Current Spending of Public Elementary and Secondary
School Systems by State: 2004-2005

|    |        | For<br>Selected<br>Objects |          | Ins   | Instruction           |       | Support |     |                  |  |
|----|--------|----------------------------|----------|-------|-----------------------|-------|---------|-----|------------------|--|
|    |        | Salaries<br>and<br>Wages   | Benefits |       | Salaries and<br>Wages |       | •       |     | School<br>Admin. |  |
| US | 8,701  |                            | 1,708    | 5,303 | 3,677                 |       |         | 168 | 487              |  |
| DE | 10,910 | 6,254                      | 2,510    | 6,718 | 4,383                 | 3,769 | 524     | 119 | 625              |  |
| MD | 9,815  | 6,187                      | 2,120    | 5,971 | 4,182                 | 3,399 | 434     | 98  | 675              |  |
| NJ | 13,800 | 8,382                      | 2,812    | 7,966 | 5,506                 | 5,385 | 1,380   | 339 | 700              |  |
| NY | 14,119 | 8,613                      | 3,136    | 9,722 | 6,508                 | 4,079 | 439     | 245 | 606              |  |
| NC | 7,159  | 4,873                      | 1,061    | 4,531 | 3,374                 | 2,236 | 413     | 121 | 464              |  |
| PA | 10,552 | 6,183                      | 2,092    | 6,381 | 4,316                 | 3,766 | 519     | 314 | 442              |  |

Source: U. S. Census Bureau, Annual Survey of Government Finances, 2004-2005. Agency: Governments Division, Elementary-Secondary Education Statistics Branch

State rankings are another way to represent Delaware's finance system relative to others. An abbreviated table of per pupil elementary-secondary public school system finance amounts is shown below.

Table 3.2
States Ranked According to Per Pupil Elementary-Secondary Public School System
Finance Amounts: 2004-2005

|      | Reve  | enue                  | Current Spending for Selected Categories |             |               |  |
|------|-------|-----------------------|--|-------------|---------------|--|
|      |       |                       |  | Instruction |               |  |
| Rank | Total | From State<br>Sources | Total                                    | Total       | Salaries Only |  |
| 1    | DC    | VT                    | NY                                       | NY          | NY            |  |
| 2    | NJ    | НІ                    | NJ                                       | NJ          | NJ            |  |
| 3    | NY    | DE                    | DC                                       | VT          | CT            |  |
| 4    | CT    | MN                    | VT                                       | CT          | VT            |  |
| 5    | MA    | WY                    | CT                                       | MA          | MA            |  |
| 6    | WY    | NY                    | MA                                       | DE          | . RI          |  |
| 7    | VT    | NJ                    | DE                                       | ME          | DC            |  |
| 8    | HI    | AK                    | AK                                       | PA          | DE            |  |
| 9    | RI    | AR                    | PA                                       | AK          | ME            |  |
| 10   | DE    | NM                    | RI                                       | WY          | PA            |  |

Source: U. S. Census Bureau, Annual Survey of Government Finances, 2004-2005. Agency: Governments Division, Elementary-Secondary Education Statistics Branch

Delaware ranks in the top ten in many categories. For revenue, Delaware ranks tenth highest in the nation in terms of total revenue raised per pupil, and third in terms of total revenue raised from state sources. For total current spending per pupil, Delaware is seventh in the nation; sixth for spending on instruction costs.

All states in the region exhibit falling pupil to teacher ratios. Delaware's ratio is lower than Maryland and Pennsylvania, and the nation as a whole. See Figure 3.6 below.

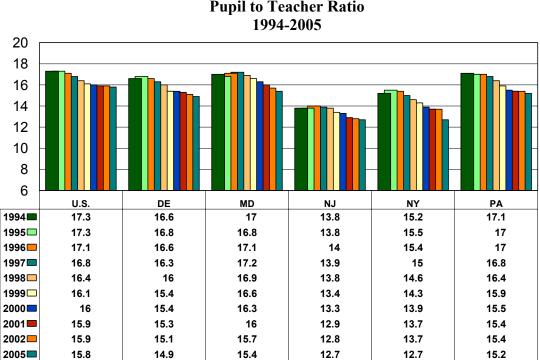


Figure 3.6 **Pupil to Teacher Ratio** 

Source: Center for Applied Demography and Survey Research, University of Delaware. NCES Fall Enrollment Data.

Measuring the number of pupils to total school staff (teachers, instructional support, administration, and service personnel) provides insight into the balance between the workforce who supply education and pupils who receive it. This measure continues to decrease both nationally and regionally. This implies that the provision of education requires a greater number of staff than in prior years. This measure is heavily influenced by the downward trend in pupil to teacher ratio, which occurred with the movement toward smaller class sizes. Over fifty percent of staff are teachers, see Figure 3.7.<sup>12</sup>

1993-2003 10 9 8 7 6 U.S. DE MD 1993■ 9.1 9.3 7.2 7.7 9.1 1994 7.3 7.8 9 9.1 9.3 9.1 1995 9 9.1 9.2 7.3 7.9 9 1996 9 9.1 9.6 7.5 7.8 9 1997 9.5 7.5 7.6 8.8 8.8 8.9 1998 9 7.4 8.7 8.6 8.8 7.6 1999 9 7.2 8.3 8.4 7.1 8.4 2000 8.3 9.1 8.8 7.1 6.9 8.1 2001 8.1 8.2 8.7 6.9 6.8 7.9 2002 8.1 8.1 8.4 6.9 6.7 7.9

Figure 3.7
Pupils to Total Staff Ratio

Source: Center for Applied Demography and Survey Research, University of Delaware NCES Digest of Education Statistics, 2005.

8.5

6.8

7.3

7.8

8.1

2003

8.2

<sup>-</sup>

<sup>&</sup>lt;sup>12</sup> Fall data for 2000 for Delaware are outliers. Fall 2002 (not shown) indicate pupil to total staff ratio of 8.2 and teachers as a percentage of staff ratio of 53.8.

1993-2005 60 50 40 30 U.S. DE MD NJ NY PΑ 1993■ 54.8 53.4 52.8 50.7 53.1 52.1 1994 52 54.6 55 52.8 51.1 53.2 1995 52 54.5 54.4 53.2 51 53 1996 50.9 52.4 54.4 56.1 53.7 52.9 1997 52.1 54.6 55.3 53.8 51 52.5 1998 52.2 55 53.4 53.9 52.4 52.9 1999 54.7 54.5 53.9 49.4 52.8 51.7 2000 51.6 59.2 54.3 53.5 49.7 52.2 2001 50.8 53.4 54.2 53.6 49.4 51.7 50.9 49.3 2002 53.3 53.9 53.7 51.1 2005 51.2 53.1 53.8 53.5 54.8 51.4

Figure 3.8
Teachers as a Percentage of Staff

Source: Center for Applied Demography and Survey Research, University of Delaware

As mentioned earlier, public education in Delaware is financed primarily by the State (64%) and local funds (26%). This State/Local funding mix varies from state to state. At the low end, South Dakota's State/Local mix is 35/53. At the high end, Vermont's mix is 75/18. Despite this variation, the manner in which spending is allocated varies little. For example, approximately 60% of current per pupil spending is allocated to instruction regardless of the State/Local funding mix. Therefore, Delaware's level of instruction expenditures is neither high nor low.

Delaware's closest peer is Rhode Island (in terms of the size of public school enrollment). Rhode Island's State/Local mix is 42/53. Nevertheless, Rhode Island ranks alongside Delaware in per pupil measures (see table 3.2), suggesting that Delaware is in

the mainstream with respect to public education finance, and particularly among states in the Northeast. Student proficiencies between the two states do not differ significantly.

Delaware's closest peer in terms of funding mix is North Carolina (State 65%/Local 28%). North Carolina's enrollment is ten times that of Delaware, which makes comparisons of total expenditures difficult. On a per pupil basis, however, current spending per pupil in Delaware is significantly higher (\$10,910 versus \$7,159). This implies a far greater level of funding in Delaware. One drawback to this comparison is that education expenditures reflect the income level of that state and its region. For example, all Northeast states are among the highest per pupil spenders. This reflects the high levels of income in these states.

Comparing states in different areas of the country in a meaningful way requires some adjustment for the different income levels. Per capita income is almost \$5,000 higher in Delaware than North Carolina. Starting teacher salaries in Delaware are \$3,000 higher than in North Carolina, and average teacher salaries are \$5,000 higher. Therefore, public education spending should be adjusted by some factor that captures the income differences.

Adjusting public education spending per \$1,000 personal income removes this income bias. Now, the funding gap between Delaware and North Carolina does not appear so large. Total current spending per \$1,000 personal income is \$42.11 in Delaware and \$38.50 in North Carolina. Moreover, based on this measure, Delaware ranks 27<sup>th</sup> in the nation rather than in the top ten.

Delaware's public education expenditures are comparable with both neighboring states and the nation. The State's public education spending reflects the higher income of the state, which places Delaware high in the national expenditure rankings. However, adjusting for income levels, Delaware is relatively middle of the road in terms of public education spending.

### **Summary**

Many states across the nation are wrestling with the issue of improving public education. Public education consumes a large part of state and local funds, yet, in general, standards are not improving significantly. Therefore, there is a need to ensure the efficient allocation of funds.

Policy-makers must understand the structure and size of finance sources and allocations in order to comprehend the problems of access that can be related to cost. This project is a review of the statewide system of public education funding in Delaware. Its purpose is to inform policy-makers of the structure and size of public education finance sources and allocations. The project is pursued with the following constraints: where possible the most recent Delaware data is used and comparability kept to allow interstate comparisons. There are a number of findings that are worth reiterating from the study.

- Public education is a \$1.4 billion investment in Delaware.
- Public education consumes more than one-fifth of direct general expenditures per capita, making it the single largest expenditure in the state budget.
- Public education expenditures have doubled since 1990. However, in per pupil, inflation terms, expenditure growth was 34%.
- Public education revenue in Delaware is provided by the State (64%), local school districts (27%), and the Federal government (9%).
- Local school district revenue is raised primarily through property taxes (over 80%).
- State funding from the General Fund is allocated based upon formula. Funding levels depend on public school enrollment, and the education and experience of the teaching workforce.

- Salary and benefits are the largest cost of the public education system.
- Instruction receives the largest share of funding by function within the public education system.
- Despite the diversity of states in the Mid-Atlantic region, the distribution in percentage terms of public education financing is similar.
- The pupil/teacher ratio is falling in Delaware.
- The pupil/non-teaching staff ratio is falling, which reflects the fact that growth in non-teaching staff is outpacing public school enrollment growth. This implies that non-teaching staff are a variable cost (i.e. varying with enrollment sizes).
- The fastest growing section of staff is other professionals.
- Local revenue, which is raised primarily through property taxes, is a stable source of revenue and is growing in importance in the public education budget.
- Delaware ranks in the top ten among all states for per pupil expenditures.

Collectively these data suggest that Delaware is essentially in the mainstream regarding the financing of public education. Even so, there may be room for improvement. All levels of professional staff are growing. The number of classroom teachers has risen to 7,847 (a 32% gain since 1990). Student population grew 18% over the same period. Simultaneously, other professional staff have risen 62%. The number of school officials/administrators <sup>13</sup> grew 36%. That the percentage growth of school officials/administrators exceeds the growth in classroom teachers implies that school officials/administrators are a variable cost—a cost that varies with the size of operation. However, could these official/administrator positions be classed as fixed costs—costs that do not vary with the size of operation? If they can, then their growth constitutes an increase in overhead and is a drain on education resources.

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<sup>&</sup>lt;sup>13</sup> The State Board of Education and Department of Education define officials/administrators as a grouping of assignments comprising the various skill levels required to perform management activities.

The funding formula guarantees a certain level of funding for schools each year. This method of funding has the advantage of bringing certainty to the budget process and saves public education from competing for dollars from the general fund. The downside to the funding formula is the rigidity it instills in the public education system.

Consequently, there is little evidence of change in the allocation expenditures over the last decade. Current expenses, those expenses that finance the day-to-day running of the school, account for approximately 90% funds. This figure has been relatively static since 1995, which suggests that there has been no significant change in the apportionment of public education funding. Within current expenses, instruction receives the largest share of funds: approximately 60%. This is on par with the funding allocations across the region and the nation. The implication is that as the budget continues to grow, so too do all uses of funds and at similar rates, leaving the relative shares unchanged. That is, the expenditure pie is growing larger, but it is divided into the same shares. Therefore, no one function of public education gains more than another.

The natural extension of this research is to explore the revenue and costs at the district, or even school level. This finer level of analysis may uncover how funding may be more effectively allocated in ways that were not revealed with the system-wide view.

## APPENDIX

## Delaware Teacher Salary Schedule, 2003-04 School Year

| Years Experience | Bachelor Degree Only | Bach Deg + 15 Grad Credits | Bach Deg + 30 Grad Credits | Masters Degree | Masters + 15 | Masters + 30 | Masters + 45 | Doctor's Degree |
|------------------|----------------------|----------------------------|----------------------------|----------------|--------------|--------------|--------------|-----------------|
| 0                | \$23,587             | \$24,541                   | \$25,485                   | \$26,901       | \$27,844     | \$28,788     | \$29,732     | \$30,676        |
| 1                | \$23,833             | \$24,777                   | \$25,721                   | \$27,137       | \$28,080     | \$29,024     | \$29,968     | \$60,912        |
| 2                | \$24,069             | \$25,013                   | \$25,957                   | \$27,373       | \$28,316     | \$29,260     | \$30,204     | \$31,148        |
| 3                | \$24,895             | \$25,839                   | \$26,783                   | \$28,198       | \$29,142     | \$30,086     | \$31,030     | \$31,974        |
| 4                | \$25,532             | \$26,381                   | \$27,255                   | \$28,529       | \$29,378     | \$30,440     | \$31,384     | \$32,328        |
| 5                | \$26,381             | \$27,255                   | \$28,104                   | \$29,378       | \$30,251     | \$31,101     | \$31,974     | \$32,823        |
| 6                | \$27,255             | \$28,104                   | \$28,954                   | \$30,251       | \$31,101     | \$31,974     | \$32,823     | \$33,673        |
| 7                | \$28,104             | \$28,954                   | \$29,827                   | \$31,101       | \$31,974     | \$32,823     | \$33,673     | \$34,546        |
| 8                | \$28,954             | \$29,827                   | \$30,676                   | \$33,248       | \$34,098     | \$34,971     | \$35,820     | \$36,693        |
| 9                | \$29,827             | \$30,676                   | \$31,526                   | \$34,098       | \$34,971     | \$35,820     | \$36,693     | \$37,543        |
| 10               |                      | \$31,526                   | \$32,399                   | \$34,971       | \$35,820     | \$36,693     | \$37,543     | \$38,392        |
| 11               |                      | \$32,399                   | \$33,248                   | \$35,820       | \$36,693     | \$37,543     | \$38,392     | \$39,265        |
| 12               |                      |                            | \$34,098                   | \$36,693       | \$37,543     | \$38,392     | \$39,265     | \$40,115        |
| 13               |                      |                            | \$34,971                   | \$37,543       | \$38,392     | \$39,265     | \$40,115     | \$40,964        |
| 14               |                      |                            |                            | \$38,392       | \$39,265     | \$40,115     | \$40,964     | \$41,837        |
| 15               |                      |                            |                            |                |              | \$40,964     | \$41,837     | \$42,687        |

Source Delaware Department of Education

## Sample District Salaries, 2001-2002.

|    |                              |               | Top MA+45 15 | Top Salary |
|----|------------------------------|---------------|--------------|------------|
|    | School District              | Starting B.A. | Yrs.         | MA+45      |
| DE | Brandywine                   | \$31,716      | \$64,353     | \$68,500   |
| DE | Appoquinimink                | \$30,786      | \$58,965     | \$58,965   |
| DE | Christina                    | \$30,760      | \$67,488     | \$68,688   |
| DE | Colonial                     | \$30,801      | \$67,009     | \$68,009   |
| DE | Red Clay                     | \$30,001      | \$65,624     | \$65,624   |
| DE | NCCVTSD                      | \$31,305      | \$64,300     | \$66,672   |
| PA |                              | *             |              |            |
| PA | Chester Upland<br>Chichester | \$32,000      | \$67,550     | \$67,550   |
| PA |                              | \$31,142      | \$72,027     | \$72,027   |
|    | Garnet Valley                | \$32,725      | \$78,513     | \$78,513   |
| PA | Haverford                    | \$32,000      | \$78,800     | \$78,800   |
| PA | Interboro                    | \$34,368      | \$82,791     | \$82,791   |
| PA | Marple Newton                | \$34,396      | \$73,954     | \$76,859   |
| PA | Penn Delco                   | \$33,150      | \$64,934     | \$71,004   |
| PA | Radnor Twp                   | \$38,325      | \$83,405     | \$83,405   |
| PA | Rose Tree Media              | \$35,600      | \$78,404     | \$78,404   |
| PA | Southeast Delco              | \$32,223      | \$74,806     | \$74,806   |
| PA | Springfield                  | \$32,500      | \$60,664     | \$76,450   |
| PA | Upper Darby                  | \$33,648      | \$77,017     | \$77,017   |
| PA | Wallingford                  | \$35,000      | \$72,644     | \$81,450   |
| PA | William Penn                 | \$32,998      | \$69,139     | \$69,139   |
| PA | Avon Grove                   | \$30,000      | \$63,250     | \$72,774   |
| PA | Coatesville                  | \$32,500      | \$55,400     | \$68,300   |
| PA | Great Valley                 | \$34,692      | \$73,462     | \$80,250   |
| PA | Downingtown                  | \$32,600      | \$59,750     | \$71,450   |
| PA | Kennett                      | \$34,800      | \$75,000     | \$78,350   |
| PA | Oxford                       | \$31,422      | \$56,102     | \$62,602   |
| PA | Tredyffrin-Easttown          | \$38,850      | \$78,405     | \$82,525   |
| PA | Phoenixville                 | \$34,500      | \$68,110     | \$75,410   |
| PA | Unionville Chadds Ford       | \$33,000      | \$67,481     | \$76,949   |
| NJ | Clayton Boro                 | \$33,439      | \$56,669     | \$59,927   |
| NJ | Deptford Twp                 | \$38,715      | \$60,225     | \$65,496   |
| NJ | East Greenwich               | \$34,015      | \$53,573     | \$58,312   |
| NJ | Logan Twp                    | \$37,000      | \$57,571     | \$64,002   |
| NJ | National Park Boro           | \$32,280      | \$57,883     | \$58,378   |
| NJ | Wenonah Boro                 | \$34,000      | \$56,925     | \$62,000   |
| NJ | Woodbury City                | \$35,000      | \$66,200     | \$76,603   |
| NJ | Franklin Twp                 | \$34,150      | \$56,610     | \$60,560   |
| NJ | Woodbury Heights             | \$33,000      | \$58,250     | \$65,950   |
| NJ | Alloway Twp                  | \$34,009      | \$48,332     | \$53,026   |
| NJ | Lower Alloway's Creek        | \$32,700      | \$49,450     | \$61,100   |

NJ Lower Alloway's Creek \$32,700 \$49,450 \$61,100 Source; Delaware Department of Education. Latest vailable data.

# **Interstate Comparison of Beginning and Average Salaries 1996-97 to 2004-05**

| Beginning Salary      | DE                  | PA       | NJ       | MD       |
|-----------------------|---------------------|----------|----------|----------|
| 1996-97               | \$24,349            | \$29,426 | \$28,039 | \$26,548 |
| 1997-98               | \$25,493            | \$29,581 | \$28,319 | \$27,010 |
| 1998-99               | \$29,981            | \$29,793 | \$29,112 | \$27,605 |
| 1999-00               | \$30,945            | \$30,185 | \$30,480 | \$28,612 |
| 2000-01               | \$32,281            | \$31,127 | \$30,937 | \$30,321 |
| 2001-02               | \$32,868            | \$31,866 | \$35,311 | \$31,940 |
| 2002-03               | \$33,811            | \$32,897 | \$35,673 | \$32,939 |
| 2003-04               | \$51,122            | \$52,640 | \$53,872 | \$50,230 |
| 2004-05               | \$52,924            | \$53,281 | \$56,635 | \$52,330 |
| Source: American Fede | ration of Teachers. |          |          |          |
|                       |                     |          |          |          |
| Average Salary        | DE                  | PA       | NJ       | MD       |
| 1996-97               | \$41,436            | \$47,147 | \$49,786 | \$41,257 |
| 1997-98               | \$42,439            | \$47,542 | \$50,284 | \$41,404 |
| 1998-99               | \$43,223            | \$48,457 | \$51,692 | \$42,545 |
| 1999-00               | \$44,435            | \$48,321 | \$50,878 | \$43,720 |
| 2000-01               | \$47,047            | \$49,528 | \$51,955 | \$45,963 |
| 2001-02               | \$49,011            | \$50,599 | \$50,115 | \$48,251 |
| 2002-03               | \$49,821            | \$51,425 | \$53,872 | \$50,410 |
| 2003-04               | \$34,560            | \$34,140 | \$37,061 | \$35,746 |
| 2004-05               | \$35,854            | \$34,976 | \$38,408 | \$37,125 |
| Source: American Fede | ration of Teachers. |          |          |          |

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#### **Glossary**

Assessed Valuation -The value of real estate for purposes of taxation as determined by an assessor.

<u>Average Daily Attendance (ADA)</u> -For a given school year, the average daily attendance of a school is the sum of days present of all pupils when the school was in session divided by the total number of days the school was in session.

Average Daily Membership (ADM) -For a given school year, the average daily membership of a school is the sum of days present and absent of all pupils when the school was in session divided by the total number of days the school was in session.

<u>Bonded School Debt</u>-The part of the school district debt which is covered by outstanding bonds of the district.

<u>Capital Outlay</u> -An expenditure which results in the acquisition of fixed assets or additions to fixed assets, including land, existing buildings, improvement of grounds, construction of buildings, additions to buildings, remodeling of buildings, initial equipment, or additional equipment.

<u>Classroom Teacher</u> -A staff member assigned the professional activities of instructing pupils in classroom situations for which daily pupil attendance figures for the school system are kept.

<u>Combined Tax Rates</u> -The combination of both real estate and capitation taxes (converted into equivalent real estate tax rates) based upon assessed and full value of real estate.

<u>Community Services</u> -Expenditures for programs other than the regular day school, including evening programs and summer programs.

<u>Current Expenses</u> -Any expenditure except for capital outlay and debt service. Staff categories included in the Current Expense tables are:

Instruction: Teachers, Instructional Aides

Support Services: Students

Guidance Counselors, Psychologists, Therapists, Nurses

Support Services: Instructional Staff

Directors of Instruction, Supervisors of Instruction, Librarians

Support Services: General Administration

Chief School Officers, Assistant Superintendents,

Administrative Assistants, Clerical

Support Services: School Administration

Principals, Assistant Principals, Clerical

Support Services: Operations & Maintenance

Custodians, Maintenance Specialists

Support Services: Student Transportation

School Bus Drivers, Transportation Supervisors, Transportation Specialists, Bus Aides Support

Services

Support Services: Other

Directors of Administration, Specialists/Support,

Supervisors/Support, Administrative

Assistants/Support, Clerical

Food Services: Cafeteria Managers, Cafeteria Supervisors, Cafeteria Workers

<u>Debt Service</u> -Expenditures for the retirement of debt and expenditures for interest on debt, except principal and interest on current loans.

<u>Diploma</u> -A document indicating graduation of a pupil from a Delaware high school.

<u>Division I Unit</u>-State appropriations allocated to a school district on a unit enrollment formula which are designated for the purpose of paying the employees of the various school districts of the state in accordance with the state supported salary schedules.

<u>Division II Unit</u>-State appropriations allocated to a school district on a unit enrollment formula that are designated for all other non-salary costs, except those for debt service and the transportation of pupils.

<u>Division III Unit</u>-Sate appropriations allocated to a school district based on a tax effort formula, which is designated to equalize revenue receipts among school districts.

<u>Document of Secondary Attainment</u> -A document awarded by the Delaware State Board of Education after satisfactory completion of the requirements of the General Education Development Testing Program (GED) to serve as sufficient evidence of levels of secondary educational attainment as revealed through these tests for purposes of employment, licensing, military service requirements and admission to post-high school educational institutions.

<u>Enrollment September 30</u>-Delaware law requires a total enrollment report for each school district as of September 30. This enrollment count is used as a basis for calculation of units of pupils for school funding purposes.

<u>Equalized Assessment</u> -Tax assessment figure based upon full property value, rather than upon the assessed property value.

<u>Fiscal Effort</u> -A measure of relative tax effort among school districts in the state. Higher tax rates indicate greater tax efforts.

<u>FTE Staff</u>-Derived by dividing the amount of time a person is employed by the time normally required for a corresponding full-time position.

<u>FTE Student</u>-Derived by formula to aggregate full-time students and part-time special education students for unit computation.

Full Valuation -The true or market value of real estate.

<u>Instructional Support</u> -An assignment to a staff member who has expertise in a specialized field to provide information and guidance to other staff members to improve the curriculum.

Non-revenue Receipts -Receipts which accrue to the district as the result of incurring an obligation which must be met at a future date or reducing the value of school properties through the exchange of a property asset into a cash asset. Money obtained from the sale of bonds or school property would be classified as a non-revenue receipt.

<u>Official/Administrative</u> -A grouping of assignments comprising the various skill levels required to perform management activities.

<u>Professional/Other</u> -A grouping of assignments requiring a high degree of knowledge and skills required through at least a Baccalaureate Degree (or its equivalent obtained through special study and/or experience) but not requiring skills in the field of education.

within the school district.

Property Tax -A tax levied on real estate, at a rate per \$100, on the assessed valuation of such property

<u>Record of Performance</u> -A document granted to students who have completed at least twelve years of school beyond kindergarten and who have been enrolled in a Delaware public school at least one year prior to the granting of the record. The record lists the credits earned and the minimal performance requirements met by the students.

<u>Revenue Receipts</u> -Receipts which produce additions to assets without increasing school indebtedness and without reducing the value or depleting school property. Money from taxes and tuition are examples of revenue receipts.

<u>Salary</u>-Average salary is the arithmetic mean of teacher salaries, state and local funds only. Beginning, middle and top salaries are schedule steps for teachers with a Bachelor's Degree and no experience, a Master's Degree and thirteen years experience, and a Master's Degree plus thirty credits with maximum years' experience.

<u>Skilled and Service Worker</u>-A grouping of assignments such as secretarial, technician, cafeteria, and custodial worker that requires a varying level of skills.

<u>Special</u>— Class for exceptional (handicapped) children for whom a program of special education is provided.