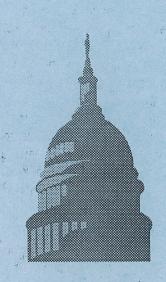
COST ESTIMATES FOR SELECTED STATUTORY MANDATES ON MUNICIPALITIES IN CONNECTICUT



a report by the

Connecticut Advisory Commission on
Intergovernmental Relations

February 1995

ADVISORY COMISSION ON INTERGOVERNMENTAL RELATIONS

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Principal Author: Mandates Cost Task Force

State Mandate Definition Connecticut General Statutes

Sec. 2-32b(2). "State mandate" means any state initiated constitutional, statutory or executive action that requires a local government to establish, expand or modify its activities in such a way as to necessitate additional expenditures from local revenues, excluding any order issued by a state court and any legislation necessary to comply with a federal mandate.

ACKNOWLEDGMENTS

The Commission would like to thank the members of the Mandates Cost Task Force for their considerable time and efforts in putting together the costs for these selected mandates on their municipalities. The members of the task force are:

Michael A. Milone, Finance Director of Cheshire
Jeff Smith, Finance Director of Mansfield
Joseph A. Dolan, Finance Director of Wilton
Alan J. Desmarais, Finance Director of Manchester
Thomas Hamilton, Finance Director of West Haven
Edward B. Gomeau, Finance Director of Stratford
Angelo Sanquedolce, Finance Director of Norwich
William J. Hogan, Finance Director of Hartford
Peter Privitera, Budget Director of Hartford
Jerry Baron, Finance Director of Bridgeport
Todd Bendtsen, City of Bridgeport
Jack E. Miller, Finance Director of Norwalk
Jim Finch, City of Norwalk
Michele L. Weiss, Finance Director of Killingly
Ruth Beers, Finance Director of Stonington

The Commission would also like to gratefully acknowledge the assistance of Mike Lawson from the Connecticut Conference of Municipalities (CCM) and Geary Maher from The Office of Fiscal Analysis (OFA).

GENERAL FRAMEWORK

One of the requirements of P.A. 93-434 is that the Connecticut Advisory Commission on Intergovernmental Relations (ACIR) describe the costs of each mandate. Given the resources available to the Commission for researching over 700 mandating sections of the general statutes, the decision was made to prioritize by dividing the mandates into three categories based on their impact on municipal operating budgets. A team of local finance directors and other fiscal professionals, supplemented by a representative of the Office of Fiscal Analysis and the ACIR staff reviewed all of the sections to categorize each as either significant, moderate or minimal in effect. The definitions of each were:

significant - in excess of 1% of the operating budget

moderate - between 0.1% and 1%

minimal - less than 0.1%

Those determined to be moderate or minimal were labeled as such in the updated compendium. At this time no additional analysis has been undertaken for them. It should be noted that while individual mandates may be minimal or moderate in impact, their cumulative impact may well be very significant, even to the point of mandating or defining the essence of given jobs at the local level.

The twelve statutes initially characterized as significant were further considered by the group. A Fiscal Impact Assessment Team (FIAT), previously created by members of the Connecticut Government Finance Officers Association in conjunction with the Connecticut Conference of Municipalities, was convened and agreed to analyze the impacts of the significant mandates on their municipalities. While this does not produce statewide totals, it indicates the implications on specific municipalities, thereby painting a clearer picture than previously available. The mandates were divided into three groups and three to four municipalities analyzed each group. We basically attempted to have a variety of types and sizes of municipalities participate in each group.

We have attempted to combine the individual analyses with other available information to present generalized estimates of statewide cost implications of each mandate. All statewide estimates are measured against an estimated \$7 billion in total municipal operating budgets in Connecticut for 1994-95, projected from U.S. Census data and <u>Fiscal Indicators for Connecticut Municipalities</u>, an annual publication of the Connecticut Office of Policy and Management.

Each mandate analysis is based in part on assumptions determined by the professional finance directors. In making these assumptions, they have attempted to utilize a balanced approach, neither maximizing nor minimizing the costs of the mandates. In projecting the statewide implications, we have also attempted to balance the assumptions, providing a broad range of estimates where appropriate, and definitive numbers where available.

We must emphasize that measuring the costs of mandates does not necessarily translate into potential savings if those mandates were to be eliminated. For example, eliminating binding arbitration would not eliminate the present costs of past collective bargaining/binding arbitration decisions or settlements. It might, however, allow for the avoidance of some future costs which otherwise might face municipalities. On the other hand, some do suggest immediate savings such as eliminating the general assistance mandate.

Mandate cost estimation is not an exact science. These cost estimates are valuable in identifying the broad context of mandate costs. They are intended to assist in policy development and are not intended to identify very specific costs. In addition to the fact that assumptions can vary, individual mandates vary in implications in different municipalities. We urge the users of these analyses to use them with caution and to consider other perspectives and points of view as well.

This report does not attempt to deal with the important, but separate, policy questions of whether any particular mandate is desirable or not, which level of government and which kind of tax should pay for the costs of the mandate, or whether the mandated activity could feasibly be eliminated or diminished if the mandate were repealed or modified. Those questions will continue to be the subject of ongoing discussion and debate among all involved parties.

Lewis B. Rome Chair David W. Russell Executive Director

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Summary Of FY 1995 Estimated Statewide Cost Of Certain State Mandates On Municipalities

<u>Mandate</u>	Estimated Direct Cost	Percent of Total Operating Budgets
Maintain Schools Total Cost	\$2.5 billion	36.1%
Minimum Expenditure	\$1.3 billion	19.0%
Special Education	\$380 million	5.4%
School Transportation	\$83 million	1.2%
Teacher Negotiations/Binding Arbitration	\$140 - 330 million* \$30 million per percent**	2.0 - 4.7% 0.4%
Minimum Expenditure Requirement(MER)	\$1.3 billion	19.0%
Property Tax Exemptions	\$670 million	9.6%
Public Employee (General Gov't.) Bargaining	\$20 - 36 million	0.28 - 0.52%
General Assistance	\$40 million	0.6%
Heart & Hypertension	\$10 - 17 million	0.15 - 0.24%
Prevailing Wage	\$28 - 91 million	0.4 - 1.3%
Solid Waste / Recycling	Not Applicable	Not Applicable
Maintain Roads	\$28 - 70 million	0.4 - 1.0%
Totals - using minimum education expenditure (all other education mandates are subsets and are not separately included in totals)	\$2.1 billion - \$2.2 billion	30. 4% - 32.3%

^{*} Cumulative impact based on contract cost differences over a ten year period (retrospective view).

^{**} Each percent of increase in teacher/school administrator contracts equals approximately \$30 million statewide (prospective view).

Statutory Reference: 10-15; 10-16; 10-220

Summary of Responses

Since the state constitution and the general statutes require the state to provide public education, all non-reimbursed local education expenses could be considered as mandates on municipalities. Gross education expenses are almost universally in excess of 50% of local expenditures, and are more than 75% in some communities. State aid accounts for approximately 35%-40% of total education expenses, and this mandate accounts for approximately 25%-50% of all local net expenditures for the four sample municipalities. The cost figures used in each of the municipal analyses are net of state aid.

Local Analysis

		Cost as % of
	Estimated Direct Cost	Operating Budget
Killingly	\$7,677,193	24.6%
Mansfield	\$8,643,927	40.6%
Norwich	\$15,143,209	20.9%
Stonington	\$15.558.562	50.5%
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Statewide Projections

In order to get FY 1995 projections in the sample returns shown below, we adjusted any budget figure that was not FY 1995 by 3% per year. Projected to 1994-95 from FY 1994 State Department of Education figures, net education expenditures for all municipalities are \$2.5 billion.

Another way of looking at the cost of this mandate is to measure the statewide minimum expenditure requirement, that is, to take each municipality's MER and multiply it by its need students. For 1994 - 95, that figure is \$2.6 billion, and net of state reimbursement the final amount is \$1.3 billion.

		Estimated Direct Cost	Cost as % of Operating Budget
Est. for all munic Statewide MER	ipalities	\$2.5 billion \$1.3 billion	36.1% 19.0

Municipality: Killingly

Fiscal Year: 1994-95

Estimated Direct Cost: \$7,677,193

Direct Cost as a % of Operating Budget: 24.6%

How Cost was Determined: Costs are as reflected in the 1994-95 Board of Education budget. The State of Connecticut reimburses Killingly approximately 64% of its total education budget.

Estimated Indirect Cost: In addition to the education budget, Killingly services \$525,800 in debt for school facilities. This amount is net of the applicable school building grants.

If Mandate were Eliminated: If these mandates were eliminated, Killingly would continue to operate its schools unless the State of Connecticut completely look over the responsibility. If the town continued to operate the schools, the method and service level to be provided would be under closer scrutiny.

Municipality: Mansfield

Fiscal Year: 1993-94

Estimated Direct Cost: \$8,392,162

Direct Cost as a % of Operating Budget: 40.6%

How Cost was Determined: Costs were taken from the Town's Comprehensive Financial Annual Report for the year ended June 30, 1994. The figure is a net cost based on a 38% reimbursement from the state.

Estimated Indirect Cost: Other primary municipal functions - Public Safety, Public Works, Community Services (Library, Recreation, Senior Services) - are often underfunded in order to cover the Town's commitment to quality education.

If Mandate were Eliminated: Mansfield would have no difficulty funding from the local property tax base, the other primary responsibilities of local government.

Other Comments: This is the largest mandate imposed upon local government by the State. The mandate is unique in that Article 8 of the State Constitution makes free public education a State responsibility. In that respect the municipal share of funding local schools is a form of reverse revenue sharing. That is, local governments are providing grants to the State to assist it in carrying out its constitutionally mandated obligation.

Although educational support from the State to local governments has increased over the past four fiscal years by 11.7 percent, inflation in the same period has increased by approximately 14.3 percent. Real support for education has therefore declined by roughly 2.5 percent. (CPEC Budget Watch Nov. 1994; Consumer Price Index, U.S. City Average).

Municipality: Norwich

Fiscal Year: 1994-95

Estimated Direct Cost: \$15,143,209

Direct Cost as a % of Operating Budget: 20.9

How Cost was Determined: The 1994-95 Regular Education Budget expenditures net of State Grants Receivable, was applied against the 1994-95 appropriated budget.

Estimated Indirect Cost: Due to the State formula changes in funding Educational Cost Sharing (ECS), School Transportation and Special Education, capital funding has been reduced to provide quality education at a consistent level.

If Mandate were Eliminated: If the statutory requirement outlined in 10-15, 10-16, and 10-220 were eliminated we would still provide the services, although differently or at a reduced level.

Municipality: Stonington

Fiscal Year: 1994-95

Estimated Direct Cost: \$15,558,562

Direct Cost as a % of Operating Budget: 50.55%

How Cost was Determined: The statutes require municipalities to provide public schools, including kindergarten, for at least one-hundred eighty days, with certain exceptions, determine the length of the school day and describe the duties of Boards of Education.

The 1994-95 Regular Budget Education expenditures net of State Grants Receivable, and the Capital and Debt Service Expenditures net of School Building Grants receivable were totaled and applied against the 1994-95 appropriated budget to arrive at the direct costs as a percentage of operating budget.

Estimated Indirect Cost: With seventy-nine percent of the education budget being salaries and fringe benefits, the tremendous increase in salaries over the Consumer Price Index (CPI) is due mainly to implementation of the Education Enhancement Act and the impact of binding arbitration which have been quantified under a separate mandate.

Due to the State formula changes in funding Educational Cost Sharing (ECS), School Transportation and Special Education, Stonington has been a position where it has practically decimated its capital funding to provide quality education at a consistent level. Implementation of new programs and updating of technical resource materials and equipment have been postponed for the last several years in an effort to contain tax increases and maintain a constant service level. Between 1991 and 1993 a total of ten full-time positions in General Government and eleven full-time positions in education were eliminated to absorb the impact caused by the change to the ECS formula.

If Mandate were Eliminated: If the statutory requirement outlined in 10-15, 10-16, and 10-220 were eliminated, it is conceivable that schools would eliminate kindergarten and reduce the length of the school year; however, given the current emphasis upon early childhood education and the press towards longer school years and days, it would seem that elimination of these requirements would, in reality, have no effect.

Statutory Reference: 10-76d, 10-76dd and 10-76h

Summary of Responses

This mandate, a subset of the overall education requirement, has been analyzed by the participating municipalities as including the entire net cost of special education to municipalities, although a significant portion of the mandate is required by the federal government. Nevertheless, special education imposes significant costs on municipalities, representing 5.4% of statewide municipal operating budgets estimated to be \$7 billion for FY 1995. The sample towns costs were taken from their end of the year school reports and are net of state reimbursements.

Local Analysis

Killingly	Estimated Direct Cost \$1,667,626	Cost as % of Operating Budget 5.3%
Mansfield	\$757,283	3.6%
Norwich	\$2,412,955	3.4%
Stonington	\$1,785,351	5.8%

Statewide Projection

In order to get FY 1995 projections for the sample returns shown below, we increased any prior budget figure by 3% per year. Projected to 1994-95 from FY 1994 State Department of Education figures, the net special education expenditures of Connecticut municipalities is \$380 million.

Cost as % of Estimated Direct Cost Operating Bud	
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Est. for all municipalities \$380 million 5.4%	

Municipality: Killingly

Fiscal Year: 1994-95

Estimated Direct Cost: \$1,667,626

Direct Cost as a % of Operating Budget: 5.3%

How Cost was Determined: Costs are reported on ED001, Schedule 3 for 1993-94. The State of Connecticut reimburses Killingly approximately 56% of its special education expenses.

Estimated Indirect Cost: Special education mandates place an enormous burden on the education budget as the above figures illustrate. The burden has became even more pronounced over the years due to the sky rocketing teacher's salaries resulting directly from the Educational Enhancement Act. Reductions in the education budget as a result of the budget adoption process have meant that regular education programs see a disproportionate share of cuts.

If Mandate were Eliminated: If this maintain were eliminated, Killingly would have more control over the method and level of service to be provided to its special education students.

Municipality: Mansfield

Fiscal Year: 1993-94

Estimated Direct Cost: \$735,226

Direct Cost as a % of Operating Budget: 3.6%

How Cost was Determined: The cost was derived from Mansfield's ED001 (End of Year School Report for 1993-94). It also includes Mansfield's share of Special Education Costs attributable to Mansfield at R-19 High School. The State reimburses Mansfield approximately 60 percent for these costs.

Estimated Indirect Cost: Special Education costs have increased in the K-8 budget by approximately 52 percent in the period 89/90 to 94/95 (adjusted for inflation this would represent a real increase of approximately 33.5 percent). Clearly, this puts enormous pressure on both the State and local government to shift educational resources away from regular programs to Special Education Programs. There is serious concern at the local level of the long term impact on regular educational programs.

If Mandate were Eliminated: This question is very difficult to answer. However, given an environment of shrinking resources, I would anticipate a very close scrutiny of many of the services now provided.

Other Comments: Our public schools are being asked to assume burdens once handled by the other state agencies, primarily Mental Retardation and Mental Health.

Municipality: Norwich

Fiscal Year: 1993-94

Estimated Direct Cost: \$2,342,675

Direct Cost as a % of Operating Budget: 3.4%

How Cost was Determined: The cost was derived from E-D001 (End of School Report for 1993-94). The state reimburses approximately 65% for these costs.

Estimated Indirect Cost: Special Education costs have increased in the K-8 budget by approximately 79% in the past five years. Clearly, this puts enormous pressure on both the State and local government to shift educational resources away from regular programs to Special Education Programs. There is serious concern at the local level of the long term impact on regular education programs.

If Mandate were Eliminated: If both the statutory requirements outlined in 10-76d and 10-76dd were eliminated, the programming requirements for special education students would be placed under local control. This could result in a reduction because school systems would still be faced with the need to service special needs students; however, this school system would have much greater control over the nature and scope of such services.

Other Comments: This school year 1994-95 compared to last year, the Norwich Board of Education has placed more students in a day treatment facility. The reason being that these students cannot be educated in our special education programs, that is they need more structure and assistance then we can provide. We are proposing to develop programs at the Lodge Building for these students. We are also in litigation on one client that is presently a big expense to the school system.

Municipality: Stonington

Fiscal Year: 1993-94

Estimated Direct Cost: \$1,733,350

Direct Cost as a % of Operating Budget: 5.81%

How Cost was Determined: The Statutes require Boards of Education to provide the professional services requisite to identification of school age children requiring special education, in a manner prescribed by law. Any Board of Education providing special education must also provide transportation to and from the residence. The statutes also require each local or regional board of education to employ the number of certified personnel, licensed personnel and support personnel necessary to implement the special education and related services required for each child, in a manner provided by law.

The total actual costs of special education were netted against State Special Education Grants receivable and the result was applied against the appropriated 1993-94 Operating Budget of the Town of Stonington to arrive at a direct cost as a percentage of operating budget.

Estimated Indirect Cost: With a majority of the special education budget being salaries and fringe benefits, the tremendous increase in salaries over the Consumer Price Index (CPI) is due mainly to implementation of the Education Enhancement Act and the impact of binding arbitration which have been quantified under a separate mandate.

If Mandate were Eliminated: If both the statutory requirements outlined in 10-76d and 10-76dd and those outlined in 99-457 were eliminated, the programming requirements for special education students would be placed under local control. This could result in a reduction in burdensome bureaucratic procedures, special education staffing and identification requirements; however, the existence of students with special needs would still exist. Therefore, school systems would still be faced with the need to service special needs students; however, the school system would have much greater control over the nature and scope of such services.

Statutory Reference: 10-186

Summary of Responses

This mandate is a subset of the overall education requirement and represents approximately 1.2% of statewide municipal operating budgets estimated to be \$7 billion for FY 1995. Opinions were mixed as to what services would be performed if the mandate were to be eliminated. This is one of the mandates that is proportionately higher in the smaller, more rural communities, both because of travel distances required and lack of opportunities for economies of scale. Each municipality presented its transportation expenditures net of state reimbursement.

Local Analysis

	Estimated Direct Co		tt as % of ting Budget
Killingly	\$451,219	HT-G-LT-F	1.4%
Mansfield	\$303,709		1.4%
Norwich	\$817,731		1.1%
Stonington	\$704,495		2.29%

Statewide Projections

In order to get FY 1995 projections for the sample returns shown below, we increased any budget figure that was not FY 1995 by 3% per year. Projected to 1994-95 from FY 1994 State Department of Education figures, the net pupil transportation expenditures of Connecticut municipalities is \$83 million.

	Estimated :		Cost as % of
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ESt. for all municipal	ities 383 n	ишоп	1.2%
<u>.</u>			

Municipality: Killingly

Fiscal Year: 1994-95

Estimated Direct Cost: \$451,219

Direct Cost as a % of Operating Budget: 1.4%

How Cost was Determined: Costs are as reflected on ED001, Schedule 4 for 1993-94. The State of Connecticut reimburses Killingly approximately 54% of its transportation expenses.

Estimated Indirect Cost: None

If Mandate were Eliminated: If this mandate were eliminated, transportation services would most likely continue to be provided. However, the current level of service may be adjusted. These adjustments could include the elimination of post dismissal bus runs and transportation provided to students living within one mile of school.

Municipality: Mansfield

Fiscal Year: 1993-94

Estimated Direct Cost: \$294,863

Direct Cost as a % of Operating Budget: 1.4%

How Cost Was Determined: The cost was derived from the Mansfield's ED001 Schedule 4(End of Year School Report for 1993-94) and the Town's Comprehensive Annual Financial Report for the Year Ended June 30, 1994. The State reimburses Mansfield approximately 50 percent for transportation.

Estimated Indirect Cost: None

If Mandate Were Eliminated: This would appear to be a service that many towns would continue to provide regardless of whether or not it was mandated. The other option would be to expect parents to bring their own children to school. This would shift the cost to the user but could have the unintended consequences of reducing attendance.

Municipality: Norwich

Fiscal Year: 1993-94

Estimated Direct Cost: \$793,914

Direct Cost as a % of Operating Budget: 1.1%

How Cost Was Determined: The cost was derived from the ED001 (End of Year School Report for 1993-94). The State reimburses Norwich approximately 55% for transportation costs.

Estimated Indirect Cost: None

If Mandate Were Eliminated: If the statutory requirements outlined in 10-186 were eliminated, it would allow the school system to decide how it would provide transportation to and from school. Systems could opt not to provide transportation, hereby leaving this responsibility to parents and guardians, could opt to provide transportation only for in-district students or only for students beyond a certain distance from a given school.

Municipality: Stonington

Fiscal Year: 1994-95

Estimated Direct Cost: \$704,495

Direct Cost as a % of Operating Budget: 2.29%

How Cost was Determined: The Statute requires each local Board of Education to furnish, by transportation or otherwise, school accommodations so that school age children may attend public school. Any school board which denies such accommodations must inform students their right to a hearing, and then hold such hearing, if requested, in a manner prescribed by this section.

The total estimated cost of both regular and special education transportation were netted against State Transportation Grants receivable and the result was applied against the appropriated 1994-95 Operating Budget of the Town of Stonington to arrive at a direct cost as a percentage of operating budget.

Estimated Indirect Cost: Due to the State formula changes in funding School Transportation, Stonington had to reassess its educational priorities to carry the greater local burden of transportation costs. The blip in 1993-94 is a result of a negotiated contract claim settlement that had been pending for sometime. In a effort to contain the mill rate, program improvements and much needed infrastructure upgrades had to be postponed.

If Mandate were Eliminated: If the statutory requirements outlined in 10-186 were eliminated, it would allow the school system to decide whether to provide transportation to and from school. Consequently, systems could opt not to provide transportation, hereby leaving this responsibility to parents and guardians. Modifications of this theme could also emerge from elimination of this legislation. For example, a system could opt to provide transportation only for in-district students or only for students beyond a certain distance from a given school building.

Statutory Reference: 10-153f, 10-153g, 10-153k

Summary Of Responses

The analysis of this mandate was performed by two central cities and two smaller cities, all of which have relatively large student/teacher populations. Three of these cities used FY 1984 as their base year for teachers' salaries, while one, Norwalk, used FY 1988 as the base year. The analyses trace actual salary percentage increases for teachers and school administrators over the study period, control for changes in staffing levels and compare the total school increases to CPI and general municipal employee increases. In order to factor out the impacts of the Education Enhancement Act and other unique circumstances surrounding teachers during that period, the teacher increases above those granted to general municipal employees were discounted, as were the increases due to cost of living changes. This approach results in attributing less than one-half of the actual increases to collective bargaining/binding arbitration in all cases.

Local Analysis

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		Cost as % of perating Budget
Bridgeport	\$6.7 million	2.0%
Hartford	\$14.0 million	3.2%
Norwalk	\$3.7 million	2.0%
West Haven	\$4.5 million	4.7%

Statewide Projection

In order to get an annual statewide cost estimate range for this mandate, we calculated the difference between the teachers' salary increases based on other municipal employees and those increases based on the CPI and used the difference to determine the cost as a percentage of the operating budget. The highest and lowest percentages from the sample cities were multiplied by the estimated statewide total of operating budgets of \$ 7 billion. It must be understood that these analyses measure impacts from a base year and therefore represent cumulative variances from that base year. This method does not translate to immediate savings if the mandate is eliminated. Presumably, there might be cost avoidances of similar magnitude after a similar number of years under a modified program.

Another way of looking at collective bargaining/binding arbitration cost implications is to consider prospectively the cost of each percent of increase in teacher/administrator salaries. At the present time the statewide cost of an increase of one percent of teacher/school administrator salaries is approximately \$30 million. Using this data, the reader can estimate the statewide implications of any percentage increase they contemplate.

Cost as % of <u>Estimated Direct Cost</u> <u>Operating Budget</u>
Cost as % of <u>Estimated Direct Cost</u> <u>Operating Budget</u>
Cost as % of <u>Estimated Direct Cost</u> <u>Operating Budget</u>
Estimated Direct Cost Operating Budget
#
Estimate using samples \$140 - 550 million 2.0 - 4.7%
Lammac iprospective:

Municipality: Bridgeport

Fiscal Year: 1994-95

Estimated Direct Cost: \$6.7 million

Direct Cost as a % of Operating Budget: 2.0%

How Cost was Determined: Current salary costs for teachers and school administrators were trended back ten years based on actual wage increases awarded each year. Salaries were then trended forward based on average City employee wage increases and increases in Consumer Price Index (CPI) over the ten year period.

Estimated Indirect Cost: Municipal unions use the teachers' contracts as one basis for negotiating their own contracts.

Other Comments: It is estimated that property taxes in Bridgeport would be 14% lower if teachers and school administrators received the same pay increases as all other municipal employees.

Municipality: Hartford

Fiscal Year: 1994-95

Estimated Direct Cost: \$14.0 million

Direct Cost as a % of Operating Budget: 3.2%

How Cost was Determined: The methodology used to calculate the cost of the teacher negotiations and binding arbitration mandate on the City of Hartford consisted of comparing the cost of teacher wage increases for the period from fiscal year 1983-84 to fiscal year 1994-95 with wage increases granted to City employees and to the increase in the CPI over the same time frame. The result of this analysis determined that teachers and certified school administrators wages rose 165% over the last ten years while city employee wage increased by 92%. Wages based on the CPI rate of growth, would have increased by 63% over the same period.

If Mandate were Eliminated: It is estimated that if binding arbitration had not been in place, the resultant salary savings would ultimately have lowered the mill rate.

Municipality: Norwalk

Fiscal Year: 1994-95

Estimated Direct Cost: \$3.7 million

Direct Cost as a % of Operating Budget: 2.0%

How Cost was Determined: Current costs in Norwalk for teachers and school administrators were trended back to FY 1988 based on actual wage increases awarded each year. Salaries were then trended forward based on average City employee wage increases and increases in CPI over the period. This methodology controls for changes in staffing levels over the period. The methodology does not include an estimate of increases in the cost of salary-dependent benefits.

Estimated Indirect Cost: As a result of the size and timing of the contracts of teachers and school administrators, their contracts often serve as a benchmark for the settlement of contracts with municipal employees. This often results in higher increases for municipal employees.

Municipality: West Haven

Fiscal Year: 1994-95

Estimated Direct Cost: \$4.5 million

Direct Cost as a % of Operating Budget: 4.7%

How Cost was Determined: Current salary costs for teachers and school administrators were trended back ten years based on actual wage increases awarded each year. Salaries were then trended forward based on average City employee wage increases and increases in CPI over the ten year period. This methodology controls for changes in staffing levels over the period. The methodology does not include an estimate of increases in the cost of salary-dependent benefits.

Estimated Indirect Cost: As a result of the size and timing of the contracts of teachers and school administrators, their contracts often serve as a bellwether for the settlement of contracts with municipal employees. This often results in higher increases for municipal employees.

If Mandate were Eliminated: In my opinion, if the City had not been bound by current mandates regarding negotiations and binding arbitration, wage increases would have likely been lower than actually occurred during the past ten years. It is difficult to predict how much lower wage settlements might have been.

Other Comments: It is estimated that property taxes in West Haven would be 8% lower if teachers and school administrators received the same pay increases as all other municipal employees. Property taxes in West Haven would be 16% lower if teachers and school administrators received the same increase as the general rate of inflation (CPI).

Minimum Expenditure Requirement (MER)

Statutory Reference: 10-262

Summary of Responses

This mandate has been particularly difficult to measure. Failure to meet the MER results in a penalty equal to twice the amount that the municipality is below the MER or, to avoid the penalty, municipalities may, in the following year, increase education spending for regular programs by twice the amount of the shortfall in the previous year. Because the penalty costs twice as much as would be required to meet the MER, the practical effect is that few municipalities have not met the MER. Consequently, it is difficult to measure the cost of the MER because it is difficult to know what municipalities would have spent on regular-program education in the absense of the penalty.

Local Analysis

Lucai Aliai 1818		
·	P.: 18: 0	Cost as % of
	Estimated Direct Cost	Operating Budget
Bridgeport	Not Applicable	Not Applicable
A.7. 43		
Norwalk	Not Applicable	Not Applicable
	• •	**
West Haven	\$1 million	1.0%
TT VOL 11UTUIL	spa munityn	1.0%

Statewide Projections

The State Department of Education monitors all school districts that are projected to fall within 5% of their MER. Each year the Department has had to contact an increasing number of districts that fall within that 5% threshold to tell them that they may have to increase education spending in order to meet the MER. The number of such districts has risen from nine in FY 1990 to 46 in FY 1994. Forty-five districts are projected to fall within the threshold in FY 1995. Of these 45, four are slightly below their MER based on the most current projections, and another nine are projecting to meet their MER by less than 1%. In most cases, like West Haven below, the district will either allocate additional education expenditures to meet the MER, or maintain current spending and meet the MER by however close the margin.

One way to measure the MER cost statewide, which has been done here, is to take each municipality's MER and multiply it by its need students. For 1994 - 95, that figure is \$2.6 billion, and net of state reimbursement the final amount is \$1.3 billion.

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Dominated Direct Cost Operating Budget	
Cost as % of • Estimated Direct Cost Operating Budget	
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Est for all municipalities \$1.2 billion 10.00	
Est for all municipalities \$1.3 billion 10.0%	
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Est. for all municipalities \$1.3 billion 19.0%	

Minimum Expenditure Requirement

Municipality: Bridgeport

Fiscal Year: 1994-95

Other Comments: The MER for the City of Bridgeport has been a significant factor in education spending. The City feels that there are some fundamental problems with the MER and how it is calculated. There are two areas of concern: 1) If the MER is not met by a town in a given year, the penalty is a reduction in that amount of the Education Cost Sharing (ECS) grant and the town must increase the education appropriation for the shortfall, and 2) If a town receives a zero percent salary increase for education personnel, or a reduction in employee benefit expense, the money must be redirected to other education programs.

Minimum Expenditure Requirement

Municipality: Norwalk

Fiscal Year: 1994-95

Estimated Direct Cost: Currently the City of Norwalk is exceeding the minimum expenditure requirement and it is likely to do so in future years. Therefore, this mandate does not have a direct cost impact on the citizens of Norwalk.

Minimum Expenditure Requirement

Municipality: West Haven

Fiscal Year: 1994-95

Estimated Direct Cost: \$1.0 million, or 1% of the City's operating budget. This estimate is based on an actual MER shortfall from the 1993-94 year which the State Board of Education mandated be eliminated during the middle of the year. This required the City to appropriate in excess of \$900,000 from its fund balance.

Direct Cost as a % of Operating Budget: 1%

How Cost was Determined: The direct cost of the MER mandate was estimated based upon an actual MER shortfall which the City of West Haven experienced in 1993-94 of \$900,000. It is assumed that if the mandate did not exist, the City would not have appropriated additional funds to the Board of Education. The estimated cost was also confirmed by examination of the City's adopted Three Year Financial Plan, which estimated a current services for the Board of Education which was \$1.0 million less than the amount required by the MER.

Estimated Indirect Cost: In order to constrain taxes and yet still meet the MER, the City has been forced to cut deeply into City operations. The City's 1994-95 budget increased in total by 2.8%. However, since the MER required the City to increase the Education budget by 7.3%, the City side of the budget was *reduced* by 4.8%. The net effect was a budgetary shift of approximately \$2.5 million out of City operations and into education. To accommodate these City spending reductions, the City eliminated seventy-four (74) full time jobs, or 20% of the City work force.

If Mandate were Eliminated: If this mandate had not existed last year, we believe that the Board of Education budget would likely be \$500,000 to \$1.0 million lower. If the mandate were eliminated now, we are unable to predict the impact, since the decision on future funding for education is made by the City Council.

Other Comments: Property taxes would be 1.75% lower if the Board of Education budget were \$1.0 million lower.

Property Tax Exemptions

Statutory Reference: 12-81

Summary of Responses

All three of the municipal respondents to this mandate listed the major exemptions that affected them along with their costs. The costliest exemptions to these municipalities include: State Owned Property, Colleges and Hospitals, Veteran's Manufacturers, and Personal Property.

Local Analysis

		Cost as % of
	Estimated Direct Cost	Operating Budget
Cheshire	\$277,536	0.52%
Hartford	\$31,120,445	7.0%
Manchester	\$4,701,278	5.26%

Statewide Projection

In order to estimate the net tax loss (tax loss less reimbursement, if applicable) to municipalities occurring as the result of the property tax exemptions mandated under this section, the total amount of exemptions in each municipality minus any reimbursements was multiplied by the municipality's mill rate. The actual statewide figure of \$650 million includes tax losses resulting from exemptions for both real and personal property in FY 1994. Projected to FY 1995, the estimated statewide cost is \$670 million.

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Property Tax Exemptions

Municipality: Cheshire

Fiscal Year: 1994-95

Estimated Direct Cost: \$277,536

Direct Cost as a % of Operating Budget: 0.52%

How Cost was Determined: This direct cost estimate (revenue loss) was determined accordingly: A) \$2,679,910 in assessed State Property real estate is reimbursed at 20% of the tax loss. At the current mill rate of 25.5 mills, this 80% loss of revenue translates into \$54,670. B) The personal property tax loss was estimated by determining the percentage relationship between commercial personal property and real estate. In this case, we estimate that 5.4% of the real estate assessment of \$56,532,790 would approximate the value of personal property. This percentage was determined by reviewing the P.P./R.E. relationship among retirement facilities in Town.

Estimated Indirect Cost: \$145,021. It is estimated that the Town lost additional revenue of \$145,021 by virtue of a State Prison's location in Town. This calculation was based on the assumption that residential homes would be built on the land currently occupied by the prison.

If Mandate were Eliminated: If this mandate did not exist the tax exemption would be lifted and the Town would fully tax these exempt facilities, primarily the prison facilities, for their taxable property. This would result in real estate tax payments of 100%, of the obligation and not some fraction of 100% under the existing legislation, and more importantly the Town would then have the authority to tax personal property, for which their is currently no reimbursement for the tax loss.

Property Tax Exemptions

Municipality: Hartford

Fiscal Year: 1994-95

Estimated Direct Cost: \$31,120,445

Direct Cost as a % of Operating Budget: 7.0%

How Cost was Determined: Non-reimbursed exemptions were totaled by type:

Veterans' Exemptions	\$225,396	State Owned	\$11,237,227
Distressed Municipalities	\$147,393	Colleges	\$ 3,378,726
100% Disabled & Blind	\$ 8,971	Hospitals	\$ 6,124,255
Manufacturing	\$170,477	Personal Prop	, \$ 9,807,000

State owned property represents an 80% revenue loss. Colleges and hospitals represent a 40% revenue loss. Distressed and manufacturing revenue loss is from a 50% reimbursement for an 80% mandated exemption. Regular veterans, disabled and blind are 100% revenue loss. Personal property revenue loss is based on a percentage of the real estate assessment of \$1,106,787,400 for state owned, colleges and hospitals. Overall personal property grand list is 23% of the real estate comm/ind/apt grand list.

Estimated Indirect Cost: The indirect cost is associated with the clerical effort to administer these programs. Current estimate is one employee with benefits; 50% of their time equals \$21,000.

If Mandate were Eliminated: The City would be free to tax these facilities at 100% of their respective market values. They would also be assessed for the personal property tax.

Property Tax Exemptions

Municipality: Manchester

Fiscal Year: 1993-94

Estimated Direct Cost: \$4,701,278

Direct Cost as a % of Operating Budget: 5.26%

How Cost was Determined: Non-reimbursed exemptions were totaled and included with a personal property estimate on tax exempt property.

Veterans' Exemptions \$447,894 Hospitals \$776,635 State Exemptions \$871,227 Inventory \$871,082

Estimated Indirect Cost: The cost to administer the exemption programs is approximately equivalent to the cost of one employee with benefits or \$36,000.

If Mandate were Eliminated: Exemptions would be limited

				Grand List Data					Tax Loss Data	
NWCE	TOTAI	TOTAL	TOTAL	TOTAL INDIV	TOTAL INDIV	TOTAL	GRAND	TOTAL	TOTAL	ADJ.
<u>.</u>	FEDERAL	MUNICIPAL	STATE	(REAL PROP)	(PERS PROP)	ALL OTHER	TOTAL	TAX LOSS	REIMB	TAX LOSS
Andover	, 0	3.423.280	1,544,480	431,910	107,316	1,517,740	7,024,726	\$200,480	\$15,887	\$184,593
Ansonia	1.979.600	11,840,536	3,841,500	1,929,120	3,576,909	12,861,370	36,029,035	\$2,367,445	\$361,858	\$2,005,587
Ashford	0	4,522,210	393,910	303,790	533,470	9,202,420	14,955,800	\$529,061	\$9,853	\$519,208
Avon	0	46,366,910	6,559,220	1,302,880	861,690	34,220,410	89,311,110	\$1,695,761	\$51,553	\$1,644,208
Barkhamsted	0	3,675,850	1,230,130	962,960	122,690	4,808,750	10,800,380	\$221,964	\$16,167	\$205,797
Beacon Falls	0	8,664,220	2,805,110	819,770	904,495	1,161,600	14,355,195	\$342,522	\$42,870	\$299,652
Berlin		54,759,240	800,500	2,110,910	9,862,270	13,223,900	80,756,820	\$2,629,361	\$355,641	\$2,273,720
Bethanv	0	15,827,000	3,946,100	2,176,800	146,590	7,367,500	29,463,990	\$703,737	\$50,361	\$653,376
Bethel	0	61,503,450	3,420,460	1,322,810	2,022,560	7,831,060	76,100,340	\$1,411,475	\$62,916	\$1,348,559
Bethlehem	0	2,225,910	56,120	1,003,370	612,250	9,813,850	13,711,500	\$260,365	\$11,157	\$249,208
Bloomfield	5.143.720	69,463,450	7,820,622	12,590,592	10,383,580	26,920,205	132,322,169	\$4,689,945	\$658,025	\$4,031,920
Bolton		5,328,550	2,436,840	1,400,010	466,810	2,999,020	12,631,230	\$310,145	\$30,697	\$279,448
Bozrah	0	507,960	305,555	475,000	26,570	3,684,450	4,999,535	\$105,284	\$2,107	\$103,177
Branford	947.940	79,764,130	5,495,280	7,597,930	4,243,910	29,565,430	127,614,620	\$2,651,578	\$190,970	\$2,460,608
Bridgeport	11,792,949	289,376,557	266,850,014	165,816,503	17,693,261	114,228,703	865,757,987	\$59,435,908	\$9,352,364	\$50,083,544
Bridgewater		1,974,290	14,490	345,800	133,620	11,100,690	13,568,890	\$271,404	\$4,153	\$267,251
Bristol	7,352,870	160,788,210	6,429,010	47,183,330	7,595,404	62,470,800	291,819,624	\$7,748,672	\$932,857	\$6,815,815
Brookfield	0	22,419,682	614,960	1,099,500	1,050,791	12,641,730	37,826,663	\$1,378,378	\$41,166	\$1,337,212
Brooklyn	0	6,174,940	9,844,530	1,246,550	963,460	6,397,010	24,626,490	\$436,113	\$181,372	\$254,741
Burlington	1,005,850	3,500,490	5,203,800	581,250	95,318	13,855,170	24,241,878	\$441,681	\$24,574	\$417,107
Canaan	218,803	896,725	3,511,763	356,805	110,974	10,363,939	15,459,009	\$402,987	\$23,478	\$379,509
Canterbury	68,110	531,510	1,702,470	925,539	1,154,403	7,727,580	12,109,612	\$234,940	\$17,211	\$217,729
Canton	0	22,358,240	394,950	002'969	283,170	8,148,940	31,882,000	\$668,240	\$10,319	\$657,921
Chaplin	2,672,030	13,439,840	11,263,630	193,000	163,100	765,470	28,497,070	\$514,712	\$42,314	\$472,398
Cheshire	0	57,959,410	59,422,000	2,263,570	8,829,480	41,379,920	169,854,380	\$4,109,920	\$1,494,132	\$2,615,788
Chester	0	6,537,050	986,420	965,800	1,592,080	6,446,540	16,527,890	\$284,138	\$39,626	\$244,512
Clinton	557,420	38,645,560	2,182,940	2,361,120	5,229,220	8,173,040	57,149,300	\$1,552,770	\$177,623	\$1,375,147
Colchester	0	26,803,080	4,843,410	2,092,220	496,050	8,765,780	43,000,540	\$1,041,093	\$53,126	\$987,967
Colebrook	92,680	849,575	209,455	475,900	1,500	5,889,705	7,518,815	\$160,691	\$7,414	\$153,277
Columbia		6,441,050	2,132,410	826,230	191,210	3,976,420	13,567,320	\$223,603	\$15,440	\$208,163
Cornwall	45,940	2,157,470	2,347,420	254,850	371,830	12,031,080	17,208,590	\$295,292	\$10,727	\$284,565
Coventry	82,110	8,687,210	1,397,340	1,839,080	812,763	7,260,550	20,079,053	\$455,974	\$30,468	\$425,506
Cromwell	0	34,094,660	1,066,740	7,800,930	2,051,900	18,862,960	63,877,190	\$1,468,984	\$151,236	\$1,317,748
Danbury	28,398,700	260,193,400	91,837,800	82,881,940	41,932,620	84,296,000	589,540,460	\$11,000,613	\$2,010,778	\$8,989,835
Darien	•	135,563,600	6,323,150	2,251,670	000'6	42,651,700	186,799,120	\$2,539,003	\$28,074	\$2,510,929
Deep River	0	5,225,550	590,711	150,000	1,121,863	41,801,730	48,889,854	\$1,107,500	\$40,065	\$1,067,435
Derby	837.030	41,963,460	10,811,120	30,770,772	725,190	15,044,610	190,152,182	\$2,552,156	\$530,671	\$2,021,485
<u> </u>										

			Grand List Data			1	14404	lax Loss Data	
TOTAL FEDERAL	TOTAL	TOTAL STATE	TOTAL INDIV (REAL PROP)	TOTAL INDIV (PERS PROP)	TOTAL ALL OTHER	GRAND	TAX LOSS	TOTAL REIMB	ADJ. TAX LOSS
0	5,371,870	1,541,460	1,292,670	1,891,163	16,115,680	26,212,843	\$654,906	\$65,686	\$589,220
1,471,220	-	46,837,340	1,229,080	3,030,404	4,931,590	72,813,884	\$1,492,407	\$268,644	\$1,223,763
0	1,265,240	1,210,430	701,120	369,950	15,842,620	19,389,360	\$650,955	\$28,566	\$622,389
327,190	32,439,030	12,166,170	1,910,800	480,533	6,184,640	53,508,363	\$1,132,193	\$77,103	\$1,055,090
940,650	89,397,330	669,460	5,334,670	56,907,400	17,180,140	170,429,650	\$7,605,573	\$2,600,362	\$5,005,211
0	65,335,530	2,516,060	9,507,980	161,170	14,377,980	91,898,720	\$3,494,119	\$328,138	\$3,165,981
236,040	23,536,520	39,976,300	7,234,745	227,090	8,245,650	79,456,345	\$2,034,380	\$544,923	\$1,489,457
3,883,780		3,035,716	965,650	7,215,600	20,229,812	46,365,028	\$1,409,750	\$229,044	\$1,180,707
0	2,848,930	608,810	123,500	688,800	2,815,100	7,085,140	\$219,379	\$18,655	\$200,724
0	6,892,970	86,700	651,460	99,130	4,273,450	12,003,710	\$418,130	\$11,793	\$406,337
	5,008,010	1,344,222	2,170,080	2,052,256	30,157,484	40,732,052	\$1,002,315	\$62,835	\$939,480
369,210	9	38,327,850	5,447,680	13,541,220	23,906,890	142,654,780	\$6,114,568	\$2,127,523	\$3,987,045
0	10,523,350	2,198,540	3,699,210	1,275,160	11,841,230	29,537,490	\$358,631	\$44,175	\$314,456
5,287,240	-	387,580	97,771,895	3,121,448	67,762,650	308,139,523	\$12,187,059	\$2,354,087	\$9,832,972
0	40,624,750	178,410,910	2,388,719	12,288,208	34,279,360	267,991,947	\$6,831,326	\$1,207,961	\$5,623,365
0	6,231,300	2,481,780	440,440	315,700	755,280	10,224,500	\$197,938	\$14,076	\$183,862
0	45,178,560	1,504,800	2,606,040	1,344,145	10,473,370	61,106,915	\$2,232,709	\$90,385	\$2,142,324
050'6	4,010,000	799,300	218,080	0	4,651,020	9,687,430	\$241,895	\$6,565	\$235,330
0	27,068,080	744,540	800,270	560,806	22,645,090	51,818,786	\$1,283,976	\$15,592	\$1,268,384
764,830	179,779,120	492,170	42,271,290	1,314,310	111,702,170	336,323,890	\$11,551,361	\$882,010	\$10,669,351
0	33,529,570	4,280,430	2,224,960	1,334,940	8,122,080	49,491,980	\$1,133,894	\$61,061	\$1,072,833
1,136,807,550	63,926,800	96,673,060	16,935,710	52,742,270	24,085,320	1,391,170,710	\$33,466,084	\$1,611,948	\$31,854,136
149,450	37,210,080	978,475	2,240,240	3,151,750	12,300,540	56,030,535	\$1,817,337	\$132,415	\$1,684,922
0	2,432,080	5,060,710	1,268,850	283,930	26,119,975	35,165,545	\$549,343	\$30,642	\$518,701
1,827,210	133,648,870	50,107,400	53,179,975	2,621,410	81,984,530	323,369,395	\$11,466,854	\$1,539,050	\$9,927,804
0	1,195,810	4,757,760	271,230	181,290	1,635,860	8,041,950	\$192,094	\$37,286	\$154,808
62,158,320	1,108,713,410	518,553,610	615,661,815	5,474,660	369,746,380	2,680,308,195	\$92,471,473	\$15,899,628	\$76,571,845
0	3,425,800	15,051,435	306,750	0	1,319,010	20,102,995	\$395,825	\$62,518	\$333,307
883,400	4,564,620	995,200	582,560	18,110	7,598,350	14,642,240	\$261,470	\$10,427	\$251,043
25,700	21,544,100	299,100	563,470	437,540	6,404,850	29,274,760	\$1,286,787	\$15,396	\$1,271,391
6,994,110	4,479,940	11,971,680	482,180	87,240	43,806,950	67,822,100	\$1,187,430	\$46,369	\$1,141,061
237,290	36,233,090	10,329,265	4,573,772	11,578,350	6,254,930	69,206,697	\$2,002,909	\$465,831	\$1,537,078
•	5,579,580	10,818,500	1,001,860	06,930	6,781,360	24,281,230	\$661,511	\$75,396	\$586,115
0	17,543,930	2,361,900	1,625,030	1,304,750	5,187,530	28,023,140	\$483,392	\$23,295	\$460,097
19,555,380	18,192,370	797,020	2,224,670	6,256,260	8,792,840	55,818,540	\$1,498,915	\$162,534	\$1,336,381
0	5,098,440	676,344	979,580	11,940	783,860	7,550,164	\$175,456	\$16,116	\$159,340
282 030	רי	12,936,328	830,360	714,757	51,298,380	103,442,010	\$1,932,780	\$85,472	\$1,847,308

Comparison Com	TOTAL TOTA					Grand List Data					Tax Loss Data	
Febreral MINNCIPAL STATE FEBLA PROP MILOTHER TOTAL TAXLOSS REIME TAXLOSS T	FEDERAL MUNICIPAL STATE (REAL PROP) (PERS PROP) ALL OTHER TOTAL TAYLOSS FREE PROP) ALL OTHER TOTAL TAYLOSS FREE PROP (10.0028) ALL OTHER TAYLOSS FREE PROP	I N	TOTAL	TOTAL	TOTAL	TOTAL INDIV	TOTAL INDIV	TOTAL	GRAND	TOTAL	TOTAL	ADJ.
Seed at the control of the control	6 4,316,360 4,216,360 7,19,700 175,460 10,028,180 10,508,471 5,306,474 5,306,474 5,306,474 5,307,4	2	FEDERAL	MUNICIPAL	STATE	(REAL PROP)	(PERS PROP)	ALL OTHER	TOTAL	TAX LOSS	REIMB	TAX LOSS
e66,400 55,311890 64,000 50 54,311890 64,000 50 53,311890 64,000 50 53,311890 61,000 50 54,320,400 55,400 55,400 55,400 50 54,000 50 54,320,400 51,000 50 54,320,400 55,400 50 11,113,200 51,000 50	696 400 55 31 18 90 64 309 570 4 304 550 100 400 31421 420 316 118 400 11 16 90 30 34 329 180 \$10 30 116 90 31421 420 316 118 400 314 21 420 32 36 44 40 \$10 30 116 90 30 34 329 180 \$10 30 116 90 30 34 329 180 \$10 30 116 90 30 34 329 180 \$10 30 116 90 30 34 320 183 \$10 30 116 90 30 34 320 183 \$10 30 180 180 180 180 180 \$10 30 180 180 180 180 180 180 180 180 180 18		c	4.316.950	4.261.570	719.700	175,460	10,028,180	19,501,860	\$208,643	\$12,977	\$195,666
electron cert electron registration 35,860,830 74,113,800 111,600 68,420,730 35,432,001 51,148,837 58,144,887 58,143,800 qth 60,077 0,105,000 21,154,000 11,114,000<	err 965,770 162,972,900 36,866,920 74,113,890 16,112,920 24,13,280 36,43,261 35,43,361 36,12,970 36,43,261 36,103,768 36,12,920 16,113,020 37,08,178 16,113,020 37,08,178 16,113,020 37,08,178 37,08,178 32,431,160 325,431,160 36,96,202 37,08,178 37,08,178 32,431,160 32,431,160 36,96,203 36,96,203 37,08,178 37,08,178 32,431,160 32,431,160 38,914,342 38,9		596 400	55.311.890	64 309 570	4,394,550	120,400	31,421,420	156,154,230	\$3,367,447	\$322,486	\$3,044,961
1,556,550 16,772,360 116,184,00 1169,220 12,185,00 12,185,123 11,197,23 11,197,190 12,185,130 12,187,123 12,187,133 12,187,1	1,566,569 16,772,380 316,118,400 1,169,230 511,980 16,869,440 12,866,780 1,266,810 1,019,080 4,76,380 5,271,070 1,266,810 1,019,080 1,019,090 1,	ctor	805,770	162 972 900	35,860,830	74,113,890	10,116,060	59,420,730	343,290,180	\$10,371,846	\$1,489,876	\$8,881,970
Fig. 10, 10, 10, 10, 10, 10, 10, 10, 10, 10,	igh 100 8.775,00 1,019,000 476,390 201,850 2,044,290 12.586,790 8588,441 81,196,247 y 94,310 1,197,260 1,294,980 2,232,01,355 811,976,247 81,197,247 y 94,310 1,187,300 2,394,180 2,7784,490 2,254,160 8,444,227 8,444,228 8,444,270 8,444,270 8,444,482	בו בו	1 956 550	16 772 380	316 118 400	1,159,320	512,920	16,893,480	353,413,050	\$9,050,228	\$1,979,233	\$7,070,995
677,786 626,6600 22991920 37708785 5227,070 41849890 225491565 5914942 51552040 51000880 544482 525040 51000880 544482 51552040 51000880 544482 525600 51000880 544482 51552040 51000880 544482 51552040 51000880 544482 51552040 51000880 544482 51552040 51000880 544482 545600 51000880 544482 545600 54000880 546500 54000880 546500	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,		000,000,1	8 755 160	1 019 080	476.380	291,850	2,044,290	12,586,760	\$558,441	\$19,783	\$538,658
944.310 11.677.077 529.340 3.201.810 2.783.450 13.167.180 32.249.160 \$914,943 \$12.53.34 \$15.53.44 \$1.57.077 6.59.94.310 11.67.04.07 \$1.50.00.880 13.45.540 15.249.560 12.165.070 17.263.900 13.45.540 15.249.540	994,310 11,673,070 529,340 3201,810 2,783,450 13,167,190 22,481,160 25,481,160 344,4482 34,580,400 3,590,400 3,580,400 3,580,400 3,580,400 3,580,400 3,580,400 3,580,400 3,580,400 3,580,400 3,580,400 3,580,400 3,580,400 3,580,400 3,580,400 3,580,400 3,580,400 3,590,4	1600	677 780	123 646 000	23,991,920	37,708,785	5,227,070	41,949,980	233,201,535	\$11,976,247	\$1,552,040	\$10,424,207
1,000,000 1,00	Signature Sign		004,700	11.873.070	529 340	3,201,810	2,783,450	13,167,180	32,549,160	\$914,943	\$125,334	\$789,609
1,000,000 1,00	1 5,882,400 137,435,500 145,344 33,785,400 60,260,830 494,928,171 \$1,225,1548 \$31,785,400 494,928,171 \$1,225,1548 \$31,785,400 \$2,686,100 \$1,067,330 \$1,742,335.00 \$1,443,345 \$1,453,440 \$1,453,440 \$1,453,440 \$1,453,440 \$1,453,440 \$1,453,440 \$1,453,400 \$1,453,400 \$1,453,400 \$1,453,400 \$1,453,600 \$1,228,440 \$1,428,440 \$1,428,440 \$1,428,440 \$1,428,440 \$1,428,440 \$1,428,440 \$1,428,440 \$1,428,440 \$1,428,440 \$1,428,440 \$1,428,440 \$1,428,440 \$1,428,440 \$1,428,440 \$1,428,440 \$1,428,440 \$1,428,440	ל וחל יים ליום:	010,488	5,070,880	484 270	975,600	2,186,380	8,616,670	17,263,800	\$444,482	\$66,167	\$378,315
1,000,000 1,00	7,067,830 17,058,510 24,586,011 19,453,445 35,596,780 46,228,970 300,510,446 \$11,280,400 \$11,280,400 4,79,620 4,79,620 1,70,280,510 1,486,520 37,789,090 37,789,090 37,789,090 37,789,090 31,789,090 31,789,090 31,789,090 31,789,090 31,789,090 31,789,090 31,789,090 31,789,090 31,789,090 31,789,090 31,789,090 31,789,090 31,789,090 31,789,090 31,789,090 31,789,090 31,789,000 31,749,143 31,749,143 31,749,143 31,749,143 31,749,143 31,749,143 31,749,143 31,749,143 31,749,143 31,749,143 31,749,143 31,749,143 31,749,143		5 982 400	94 081 630	137,453,540	163,364,371	33,785,400	60,260,830	494,928,171	\$12,521,548	\$3,685,417	\$8,836,131
Table	479,550 40,975,520 1,377,224 1,152,724 2,172,70 4,855,470 37,759,00 1,224,425 1,152,727 4,855,470 3,7759,00 1,224,425 1,152,727 4,855,470 3,7759,00 1,224,425 2,112,727 4,855,470 3,7759,00 1,224,425 2,113,777 4,855,470 3,7759,00 1,224,425 2,113,777 4,855,470 3,048,220 1,115,868,770 4,855,470 3,264,243 78,304,143 \$5,229,005 \$5,229,005 \$5,229,005 \$5,144,143 \$5,229,		7,067,830	170 568 510	24.585.011	19,453,345	33,596,780	45,238,970	300,510,446	\$12,880,490	\$1,994,076	\$10,886,414
4,5,5,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,	446,500 2,172,524 2,172,770 4,365,470 37,750,050 70,236,784 \$2,118,747 \$3,64,710 48,6,800 2,643,256 22,800 1,352,000 38,750,040 70,236,784 \$2,118,747 \$3,64,800 1 3,048,250 22,780,780 1,546,500 13,540,420 35,523,046 \$5,220,000 38,252,333 \$19,446,600 10,346,600 12,340,400 \$36,220,000 \$3,522,000 \$36,220,0	_ (479 620	40.975.520	0	1,377,820	1,163,620	14,851,670	58,848,250	\$1,225,965	\$39,119	\$1,186,846
445,620 (2.2776),735 (2.286) (1.853,110 (2.390,0 3.975,00 12.304,20 \$222,304 \$20,522,304 \$20,522,304 \$20,522,304 \$20,522,304 \$20,5276,735 \$20,527,304,50	425,620 22,700,705 78,9290 1,853,110 539,090 3,876,090 12,304,420 822,2391 5,942,205 5,942,205 1,852,110 5,942,205 1,852,100 1,852,100 1,852,100 1,852,100 1,852,100 1,852,200 1,8	υ ⊆	4/3,020 5/6 910	18 080 330	7.312.254	2.172.770	4,365,470	37,759,050	70,236,784	\$2,118,747	\$216,748	\$1,901,999
435,620 (22.776).795 (728.920 (10.446,600 (10.388,270 (33.524,943 (78.95);148) 85.0 544 (17.180 (17.644,600 (10.388,270 (33.524,943 (17.95)) 865,125.335 (11.6104,260 (32.276),795 (34.17.180 (17.644,600 (17.644,960 (32.24),247 (33.744),143 (31.187,850 (32.24,143 (34.17.180 (35.644)) 11.62.340 (35.644) 11.62.340 (35.6	455,620 22,780,795 728,920 10,446,600 10,388,270 33,524,943 78,305,148 \$5,229,025 \$1,1 n 3,048,220 116,104,286 84,117,180 87,684,165 14,939,520 88,522,002 88,73,68 83,744,143 81,104,280 87,084,163 81,104,104,104,104,104,100 866,110 1,279,380 82,622,000 99,361,880 25,278,020 83,744,143 81,417,180 87,684,105 4,398,885 38,685,475 83,740,143 84,7106 83,740,143 84,7106 83,740,143 84,7106 84,936,475 84,7106 84,303,643 1,582,780 1,582,780 1,582,780 1,582,780 1,582,780 1,544,560 1,544,560 25,278,020 1,544,670 81,17,746,70 81,17,746,70 81,17,746,70 81,17,746,70 81,17,746,70 81,17,746,70 81,17,746,70 81,17,746,70 81,17,746,70 81,17,746,70 81,17,746,70 81,17,746,70 81,17,746,70 81,17,746,70 81,17,746,70 81,17,746,70 81,17,746,70 81,17,746,70 81,17,70 81,17,70 81,17,70 81,17,70 81,17,70	D =	010,010	5 943 250	92.890	1,853,110	539,090	3,876,080	12,304,420	\$262,391	\$30,051	\$232,340
3,048,220 116,104,260 84,117,180 67,684,165 14,999,520 98,812,533 \$19,942,566 \$32,42,237 \$18 \$	1 3,044,260 34,117,180 67,694,155 14,939,520 82,622,000 386,525,335 \$19,942,566 \$3.3 10 0 151,698,670 866,110 1,279,530 5,190 93,91,850 223,21,135 \$31,941,445 \$33,115 11 0 5,30,310 1,588,670 1,588,670 1,588,470 \$34,146,680 253,21,135 \$34,710 \$34,710 11 2,30,310 1,582,70 1,588,400 1,544,680 1,544,680 253,21,135 \$34,710 \$34,710 11 2,30,31 1,582,70 1,5394,064 5,947,307 107,167,850 1,034,041 \$439,470 \$34,480 \$34,480 \$34,480 \$43,446,660 \$32,740 \$43,446,660 \$32,740 \$43,446,670 \$4	70.1	435 620	22 780 795	728.920	10,446,600	10,388,270	33,524,943	78,305,148	\$5,229,035	\$1,187,850	\$4,041,185
1,100,000 1,10	1,10,10,10,10,10,10,10,10,10,10,10,10,10	ritain	3 048 220	116 104 260	84,117,180	67,694,155	14,939,520	82,622,000	368,525,335	\$19,942,566	\$3,242,237	\$16,700,329
28,186,187 1,182,380 1,508,450 46,970 4,399,885 38,865,475 \$847,106 \$66,443 1586,749 1,182,380 1,508,450 1,508,500 1,508,50 1,508	1,16,240 1,16,236 1,56,530 46,970 1,146,560 25,278 0.00 5,530,310 1,152,380 1,508,450 1,641,230 1,641,650 1,641,650 25,278 0.00 5,530,310 1,152,380 1,508,450 1,641,230 1,641,650 1,641,650 1,641,650 1,641,650 1,641,650 1,641,650 1,641,610 1,142,030 1,544,646 1,641,230 1,641,650 1,641,610 1,142,030 1,531,040 1,229,144 27,870,010 422,746,713 1,720,291 34,44,890 1,132,60 2,006,270 1,2310,490 2,248,60 2,006,270 1,2310,490 2,248,60 2,062,70 1,2310,490 2,248,60 2,062,70 1,2310,490 2,248,60 2,942,560 1,531,030 2,942,570 1,666,985 6,439,110 2,866,765 2,942,570 1,666,985 6,439,110 2,866,765 2,942,570 2,944,190 1,704,360 1,704,340 1,704,360 1,704,360 1,704,360 1,704,360 1,704,360 1,704,360 1,704,360 1,704,360 1,704,360 1,704,360 1,704,360 1,704,360 1,704,360 1,704,360 1,704,360 1,704,	יוומווו	0,72,000	151 698 670	866.110	1,279,530	5,190	99,361,850	253,211,350	\$3,749,143	\$11,737	\$3,737,406
33,196,372 335,270,254 108,484,334 473,384,064 5,947,307 107,167,850 1,023,400,181 886,534,022 819,391,444 846 84,344 846,334 64,2334,064 5,947,307 107,167,850 1,024,001 10,024,001,181 886,534,022 819,391,444 846,341,340 25,225,632 1229,914 27,870,101 420,746,707 811,720,291 84,107,502 81 17,48,702 12,1310,490 22,751,590 63,085,000 82,476,771 8534,91 856,534,042 84,140,750 81,132,590 206,272,73 7428,000 22,986,720 27,748,707 17,619,890 85,451,011 8952,042 84,444,101 120,248,50 29,224,850 29,224,850 29,224,850 29,224,101 2,866,755 29,245,77 320,411 24,975,79 84,141 84,14	35,30,310 1,150,380 1,508,450 1,644,230 15,445,650 25,278,020 \$493,643 \$15,330 \$1,508,450 1,644,550 15,445,650 25,278,020 \$493,643 \$1,52,380 \$1,52,380 \$1,52,380 \$1,52,380 \$1,52,303 \$1,52,303 \$1,52,303 \$1,52,303 \$1,52,303 \$1,52,303 \$1,52,303 \$1,52,303 \$1,52,303 \$1,52,303 \$2,476,771 \$1,57,703 \$2,476,771 \$2,476	airfield	, c	28 186 815	1,582,275	4,650,530	46,970	4,398,885	38,865,475	\$847,106	\$66,443	\$780,663
33,16,372 335,270,254 106,484,334 473,394,064 5,947,307 107,167,850 1,063,400,181 \$65,534,032 \$19,91,444 \$46,534,037 68,346,190 63,060,870 15,922,760 256,226,963 1,229,914 27,870,010 422,746,707 \$11,720,291 \$41,07,502 \$51,407,502 \$51,407,502 \$51,407,502 \$51,407,502 \$51,407,502 \$51,407,502 \$51,407,502 \$51,407,502 \$51,407,502 \$51,407,502 \$51,407,502 \$51,407,502 \$51,407,502 \$51,407,502 \$51,407,502 \$51,407,702 </td <td>33,196,372 335,270,254 108,484,334 473,394,064 5,947,307 107,167,850 1,063,400,181 \$65,534,032 \$196,312 \$196,316,312 \$65,346,192 \$65,346,192 \$74,037 \$117,20,291 \$41,327 \$117,20,291 \$41,327 \$117,20,291 \$41,327 \$41,411 \$41,411 \$42,411 \$42,411 \$42,411 \$42,411 \$42,411 \$42,411 \$42,411 \$42,411 \$42,411 \$43,411 \$43,411 \$43,411 \$43,411 \$43,411 \$43,411 \$43,411 \$43,411 \$43,411 \$43,411 \$43,411 \$44,411 \$44,411 \$44,411 \$44,411 \$44,411 \$44,411</td> <td>Lartford</td> <td>· c</td> <td>5,530,310</td> <td>1,152,380</td> <td>1,508,450</td> <td>1,641,230</td> <td>15,445,650</td> <td>25,278,020</td> <td>\$493,643</td> <td>\$47,885</td> <td>\$445,758</td>	33,196,372 335,270,254 108,484,334 473,394,064 5,947,307 107,167,850 1,063,400,181 \$65,534,032 \$196,312 \$196,316,312 \$65,346,192 \$65,346,192 \$74,037 \$117,20,291 \$41,327 \$117,20,291 \$41,327 \$117,20,291 \$41,327 \$41,411 \$41,411 \$42,411 \$42,411 \$42,411 \$42,411 \$42,411 \$42,411 \$42,411 \$42,411 \$42,411 \$43,411 \$43,411 \$43,411 \$43,411 \$43,411 \$43,411 \$43,411 \$43,411 \$43,411 \$43,411 \$43,411 \$44,411 \$44,411 \$44,411 \$44,411 \$44,411 \$44,411	Lartford	· c	5,530,310	1,152,380	1,508,450	1,641,230	15,445,650	25,278,020	\$493,643	\$47,885	\$445,758
56,346,190 63,050,870 15,922,760 256,326,963 1,229,914 27,870,010 422,746,707 \$11,720,291 \$4,107,502 \$8 344,890 8,113,256 2,006,270 12,310,490 22,751,590 64,339,510 109,866,000 \$2,476,771 \$634,914 \$51 17,748,720 84,881,440 46,321,340 37,420,720 7,428,040 23,989,720 21,7789,980 \$6,451,011 \$952,042 \$6 17,748,720 84,881,440 46,321,340 37,420,721 17,674,430 118,153,827 \$6,451,011 \$952,042 \$6 224,860 2,926,410 2,866,785 2,942,577 1,669,985 6,527,410 65,082,265 \$1,570,663 \$70,152 \$71,461 \$4,446,99 \$4,446	58,346,190 63,050,870 15,922,760 256,326,963 1,229,914 27,870,010 422,746,707 \$11,720,291 \$4,480 344,890 8,113,250 2,006,270 12,310,490 22,751,590 64,339,510 109,866,000 \$2,476,771 \$4,480 17,748,720 84,881,440 46,321,340 37,420,720 7,428,040 23,989,720 217,789,980 \$2,476,771 \$5,451,011 \$4,451,011 \$5,451,011 \$4,451,011 \$4,451,011 \$4,451,011 \$4,451,011 \$4,451,011 \$4,451,011 \$4,451,011 \$4,451,011 \$4,451,011 \$4,451,011 \$4,451,011 \$4,451,011 \$4,451,011 \$4,451,012 \$4,451,012 \$4,451,012 \$4,451,012 \$4,451,012 \$4,451,012 \$4,451,012 \$4,451,012 \$4,451,012 \$4,471,	laven c	33 136 372	335,270,254	108,484,334	473,394,064	5,947,307	107,167,850	1,063,400,181	\$65,534,032	\$19,391,444	\$46,142,588
344,890 8,113,250 2,006,270 12,310,490 22,751,590 64,339,510 109,866,000 \$2,476,771 \$654,914 \$1 17,748,720 84,881,440 46,321,340 37,420,720 7,428,040 23,989,720 217,789,980 \$5,451,011 \$952,042 \$5 17,748,720 28,173,590 65,702,560 1,531,030 5,072,217 17,674,400 118,153,827 \$3,688,187 \$604,494 \$5 224,850 2,926,410 2,866,765 2,942,577 320,568 6,227,410 66,082,265 \$1,571,663 \$70,152 \$5 0 2,943,550 953,710 330,560 5,728,586 6,459,110 29,428,697 \$61,082,882 \$1,501,602 \$70,152 \$7 0 72,146,690 18,704,360 5,353,40 76,219,640 27,005,197 16,423,963 \$4,647,700 \$1,401,002 \$3 \$30,501 \$1,401,602 \$3,423,963 \$4,647,700 \$1,401,602 \$3,980,700 \$2,444,100 \$1,832,700 \$2,936,801 \$3,401,642 \$3,702 \$3,936,700	344,890 8,113,250 2,006,270 12,310,490 22,751,590 64,339,510 109,866,000 \$2,476,771 \$8 17,748,720 84,881,440 46,321,340 37,420,720 7,428,040 23,989,720 217,789,980 \$5,41,011 \$8 17,748,720 28,173,590 65,702,560 1,531,030 5,072,217 17,64,430 118,153,827 \$3,451,011 \$8 224,850 2,926,410 2,866,765 2,942,577 320,411 24,975,794 34,256,807 \$681,815 \$8 \$1,111 \$8 0 5,4451,610 0 2,732,260 1,623,404 76,219,40 27,025,704 34,256,807 \$6,881,815 \$8 \$1,177,006	ondon	58,346,190	63,050,870	15,922,760	256,326,963	1,229,914	27,870,010	422,746,707	\$11,720,291	\$4,107,502	\$7,612,789
17,748,720 84,881,440 46,321,340 37,420,720 7,428,040 23,989,720 217,789,980 \$5,451,011 \$962,042 \$4 \$6 \$7 \$6 \$2,942,577 \$20,411 \$24,975,794 \$4.25,687 \$5,688,187 \$604,494 \$5 \$6 \$2,924,610 \$2,926,410 \$2,866,765 \$2,942,577 \$320,411 \$24,975,794 \$4.25,687 \$5,688,187 \$604,494 \$5 \$6 \$2,924,610 \$2,926,410 \$2,926,410 \$2,926,410 \$2,926,410 \$2,926,410 \$2,926,410 \$2,926,410 \$2,926,410 \$2,926,410 \$2,926,410 \$2,926,410 \$2,926,410 \$2,926,410 \$2,926,516 \$4.99,170 \$4.28,860 \$4.99,170 \$4.28,860 \$4.99,170 \$4.28,860 \$4.99,170 \$4.28,860 \$4.99,170 \$4.29,190 \$4.2	17,748,720 84,881,440 46,321,340 37,420,720 7,428,040 23,989,720 217,789,980 \$5,451,011 \$8 0 28,173,590 65,702,560 1,531,030 5,072,217 17,674,430 118,153,827 \$3,688,187 \$3,688	liford	344,890	8,113,250	2,006,270	12,310,490	22,751,590	64,339,510	109,866,000	\$2,476,771	\$634,914	\$1,841,857
224,850 2,926,410 2,866,765 2,942,577 320,411 24,975,794 34,256,807 \$681,815 \$604,494 \$65,000 5,000,540 224,650 2,926,410 2,866,765 2,942,577 320,411 24,975,794 34,256,807 \$681,815 \$484,484 224,650 2,926,410 2,866,765 2,942,577 320,411 24,975,794 34,256,807 \$61,815 \$481,815 \$484,484 24,5110 22,925,516 \$437,770 \$51,750 \$11,610 \$21,225,516 \$437,770 \$11,611,610 \$1,6240 \$1,6240 \$18,704,380 \$1,6240 \$1,6240 \$1,6240 \$1,6240 \$1,6240 \$1,6240 \$1,634,480 \$1,637,770 \$1,914,619 \$1,914,120 \$1,73,810 \$1,914,12	224,850 28,702,560 1,531,030 5,072,217 17,674,430 118,153,827 \$3,688,187 \$3 224,850 2,926,410 2,866,765 2,942,577 320,411 24,975,794 34,256,807 \$681,815 \$61,	. uote	17,748,720	84,881,440	46,321,340	37,420,720	7,428,040	23,989,720	217,789,980	\$5,451,011	\$952,042	\$4,498,969
224,850 2,926,410 2,866,765 2,942,577 320,411 24,975,794 34,256,807 \$681,815 \$484,484 494 494 494 494 494 494 494 494 494	224,850 2,926,410 2,866,765 2,942,577 320,411 24,975,794 34,256,807 \$681,815 0 54,461,610 0 2,732,260 1,666,985 6,227,410 65,088,265 \$1,570,663 \$1,570,663 0 9,453,550 953,710 330,560 5,728,586 6,459,110 22,925,516 \$4,664,730 \$1,170,663 0 72,145,690 18,704,360 5,353,440 76,219,640 27,005,730 199,428,860 \$4,664,730 \$1,1 0 5,775,000 2,122,960 1,053,460 951,180 6,970,197 16,872,797 \$354,590 \$1,1 1,196,240 182,885,421 90,307,220 56,444,100 1,832,740 74,473,080 407,138,001 \$50,667 \$51,667 \$51,473,080 \$40,188,01 \$50,667 \$538,976 \$50,667 \$538,976 \$50,385,940 \$50,385,940 \$50,985,940 \$50,985,940 \$50,985,940 \$50,985,940 \$50,985,940 \$50,985,940 \$50,985,940 \$50,985,940 \$50,985,940 \$50,985,940 \$50,985,940 \$50	» (1)	0	28.173.590	65,702,560	1,531,030	5,072,217	17,674,430	118,153,827	\$3,688,187	\$604,494	\$3,083,693
On Sequence	T. 100 54,461,610 0 2,732,260 1,666,985 6,227,410 65,088,265 \$1,570,663 \$1,570,663 0 9,436,161 0 2,732,260 1,666,985 6,227,410 65,088,265 \$1,570,663 \$1,570,663 0 72,145,690 18,704,360 5,353,440 76,219,640 27,005,730 199,428,860 \$4,664,730 \$1,1 0 5,207,874 269,822,893 22,707,873 60,622,017 34,510,030 82,563,276 47,5439,63 \$22,38,681 \$2,238,081 \$2,38,670 1,196,240 182,885,421 90,307,220 56,444,100 1,832,740 74,473,080 407,138,801 \$10,966,797 \$11,773,810 \$4,871,430 2,336,670 253,790 16,053,490 35,839,760 \$599,267 \$14,433,920 9,386,030 59,385,400 \$1,609,666,797 \$1,609,666,797 \$1,609,666,797 \$1,609,666,797 \$1,609,666,797 \$1,609,666,797 \$1,110,200 \$1,609,666,797 \$1,110,200 \$1,609,666,797 \$1,110,200 \$1,222,470 \$1,609,666,797 \$1,110,200 \$1,110,200	Ē.	224.850	2 926 410	2,866,765	2,942,577	320,411	24,975,794	34,256,807	\$681,815	\$48,484	\$633,331
0 9,453,550 953,710 330,560 5,728,586 6,459,110 22,925,516 \$437,770 \$114,619 0 72,145,690 18,704,360 5,353,440 76,219,640 27,005,730 199,428,860 \$4,664,730 \$1,901,002 \$5, 1,901,002 \$4, 1,901,002 \$	0 9453,550 963,710 330,560 5,728,586 6,459,110 22,925,516 \$437,770 \$ 0 72,145,690 18,704,360 5,353,440 76,219,640 27,005,730 199,428,860 \$4,664,730 \$1,1 0 5,775,000 2,122,960 1,053,460 951,180 6,970,197 16,872,797 \$355,590 \$1,1 1,196,240 182,885,421 90,307,220 56,444,100 1,832,740 74,473,080 407,138,801 \$10,966,797 \$1,1 530,570 11,773,810 4,871,430 2,356,670 2,537,90 16,053,490 35,839,760 \$599,267 \$1,6 530,570 11,773,810 4,871,430 2,366,70 1,433,920 9,386,030 59,385,80 \$846,668 676,310 37,882,140 6,540,080 3,465,360 1,699,360 19,549,670 67,722,470 \$1,657,718 \$1,659,360 \$1,10,240 41,801,472 \$1,120,773 \$8 \$6,263,490 \$2,263,490 \$2,263,490 \$2,263,490 \$2,263,490 \$2,263,490 \$2,263,4	Aranford	0	54.461.610	0	2,732,260	1,666,985	6,227,410	65,088,265	\$1,570,663	\$70,152	\$1,500,511
0 72,145,690 18,704,360 5,353,440 76,219,640 27,005,730 199,428,860 \$4,664,730 \$1,901,002 \$5 0 5,775,000 2,122,960 1,053,460 951,180 6,970,197 16,872,797 \$354,590 \$29,232 \$1 5,207,874 269,822,893 22,707,873 60,622,017 34,510,30 82,563,276 475,433,963 \$20,380,81 \$2,941,642 \$1 1,196,240 182,885,421 90,307,220 56,444,100 1,832,740 74,473,080 407,138,801 \$10,966,797 \$1,263,978 \$1 530,570 11,773,810 4,871,430 2,356,670 2,386,300 59,386,30 59,385,40 \$46,668 \$64,510 \$1,433,920 9,386,030 59,385,840 \$846,668 \$64,510 \$881,122 \$7 2,265,620 39,930,170 962,220 3,467,360 1,433,920 9,386,030 59,385,840 \$846,668 \$64,510 \$881,122 \$1 0 6,813,935 14,191,120 1,379,125 307,052 19,110,240	0 72,145,690 18,704,360 5,353,440 76,219,640 27,005,730 199,428,860 \$4,664,730 \$1,1 0 5,775,000 2,122,960 1,053,460 951,180 6,970,197 16,872,797 \$354,590 \$1,1 5,207,874 269,822,893 22,707,873 60,622,017 34,510,030 82,563,276 475,433,963 \$52,338,081 \$2,345,590 1,196,240 182,885,421 90,307,220 56,444,100 1,832,740 74,473,080 407,138,801 \$10,966,797 \$11,738,801 \$40,966,791 \$11,738,801 \$10,966,797 \$11,738,801 \$10,966,797 \$11,738,801 \$10,966,797 \$11,738,801 \$10,966,797 \$11,738,801 \$10,966,797 \$11,738,801 \$10,966,797 \$11,738,801 \$10,966,797 \$11,738,801 \$10,966,797 \$11,738,801 \$10,966,797 \$11,738,801 \$10,966,797 \$11,738,801 \$10,966,797 \$11,738,801 \$10,966,797 \$11,738,901 \$11,738,901 \$11,738,901 \$11,738,901 \$11,738,901 \$11,738,901 \$11,738,901 \$11,738,901 \$11,738,901 \$11,738	Canan	0	9,453,550	953,710	330,560	5,728,586	6,459,110	22,925,516	\$437,770	\$114,619	\$323,151
0 5,775,000 2,122,960 1,053,460 951,180 6,970,197 16,872,797 \$354,590 \$29,232 5,207,874 269,822,893 22,707,873 60,622,017 34,510,030 82,563,276 475,433,963 \$22,338,081 \$2,941,642 \$11,196,240 1,196,240 182,885,421 90,307,220 56,444,100 1,832,740 74,473,080 407,138,801 \$10,966,797 \$1,263,978 \$1 530,570 11,773,810 4,871,430 2,356,670 1,433,920 9,386,030 59,385,840 \$846,668 \$637,737 \$37,737 \$46,510 \$6,845,10 \$6,845,10 \$1,609,360 1,9549,670 \$1,617,247 \$1,607,718 \$881,122 \$1 \$10,416,20 \$1 \$1,609,470 \$1,100,440 \$1,100,442 </td <td>0 5,775,000 2,122,960 1,053,460 951,180 6,970,197 16,872,797 \$354,590 5,207,874 269,822,893 22,707,873 60,622,017 34,510,030 82,563,276 475,433,963 \$52,338,081 \$2,338,081 1,196,240 182,885,421 90,307,220 56,444,100 1,832,740 74,473,080 407,138,801 \$10,966,797 \$1,0 530,570 11,773,810 4,871,430 2,356,670 253,790 16,053,490 35,839,760 \$599,267 \$1,1 676,310 37,882,140 6,540,080 3,467,360 1,433,920 9,386,030 59,385,840 \$846,668 2,265,620 39,930,170 962,220 3,405,430 1,609,360 19,549,670 67,722,470 \$1,657,718 \$1 0 6,813,935 14,191,120 1,379,125 307,052 19,110,240 41,801,472 \$1,120,773 \$8 0 6,813,935 3,632,700 1,471,070 4,245,340 5,223,490 35,210,030 \$2,866,780 \$1,207,743 \$1,716,60 <td< td=""><td>Haven</td><td>0</td><td>72.145.690</td><td>18,704,360</td><td>5,353,440</td><td>76,219,640</td><td>27,005,730</td><td>199,428,860</td><td>\$4,664,730</td><td>\$1,901,002</td><td>\$2,763,728</td></td<></td>	0 5,775,000 2,122,960 1,053,460 951,180 6,970,197 16,872,797 \$354,590 5,207,874 269,822,893 22,707,873 60,622,017 34,510,030 82,563,276 475,433,963 \$52,338,081 \$2,338,081 1,196,240 182,885,421 90,307,220 56,444,100 1,832,740 74,473,080 407,138,801 \$10,966,797 \$1,0 530,570 11,773,810 4,871,430 2,356,670 253,790 16,053,490 35,839,760 \$599,267 \$1,1 676,310 37,882,140 6,540,080 3,467,360 1,433,920 9,386,030 59,385,840 \$846,668 2,265,620 39,930,170 962,220 3,405,430 1,609,360 19,549,670 67,722,470 \$1,657,718 \$1 0 6,813,935 14,191,120 1,379,125 307,052 19,110,240 41,801,472 \$1,120,773 \$8 0 6,813,935 3,632,700 1,471,070 4,245,340 5,223,490 35,210,030 \$2,866,780 \$1,207,743 \$1,716,60 <td< td=""><td>Haven</td><td>0</td><td>72.145.690</td><td>18,704,360</td><td>5,353,440</td><td>76,219,640</td><td>27,005,730</td><td>199,428,860</td><td>\$4,664,730</td><td>\$1,901,002</td><td>\$2,763,728</td></td<>	Haven	0	72.145.690	18,704,360	5,353,440	76,219,640	27,005,730	199,428,860	\$4,664,730	\$1,901,002	\$2,763,728
5,207,874 269,822,893 22,707,873 60,622,017 34,510,030 82,563,276 475,433,963 \$22,38,081 \$2,941,642 \$16,263,276 \$42,396,376 \$2,941,642 \$16,624 \$10,966,797 \$1,263,978 \$1,263	5,207,874 269,822,893 22,707,873 60,622,017 34,510,030 82,563,276 475,433,963 \$22,338,081 \$2,633,081 \$2,634,962 \$2,634,962 \$2,634,962 \$2,634,962 \$2,634,962 \$2,634,962 \$2,634,962 \$2,634,962 \$2,634,962 \$2,634,962 \$2,634,962 \$2,63	Stonington	· c	5.775.000	2,122,960	1,053,460	951,180	6,970,197	16,872,797	\$354,590	\$29,232	\$325,358
1,196,240 182,885,421 90,307,220 56,444,100 1,832,740 74,473,080 407,138,801 \$10,966,797 \$1,263,978 \$6 1,196,240 182,885,421 90,307,220 2,356,670 253,790 16,053,490 35,839,760 \$599,267 \$10,263,737 \$37,737 \$37,737 \$46,510 \$4846,668 \$64,510 \$68,123,337 \$66,61,722,470 \$1,120,773 \$100,462 \$7,000,472 \$1,120,773 \$100,462 \$7,000,472 \$1,200,472 \$1,200,477 \$100,462 \$1,000,462 \$1,000,462 \$1,000,462 \$1,000,462 \$1,000,462 \$1,000,462 \$1,000,462 \$1,000,462 \$1,000,462 \$1,000,462 \$1,000,462 \$1,000,462 \$1,000,462 \$1,000,462 \$1,000,4	1,196,240 182,885,421 90,307,220 56,444,100 1,832,740 74,73,080 407,138,801 \$10,966,797 \$11,196,240 6,730,570 11,773,810 4,871,430 2,356,670 253,790 16,053,490 35,839,760 \$599,267 6,730,570 11,773,810 4,871,430 2,356,670 2,537,90 16,053,490 35,839,760 \$599,267 6,730,570 37,882,140 6,540,080 3,467,360 1,609,360 19,549,670 67,722,470 \$14,657,718 2,265,620 39,930,170 962,220 3,405,430 1,609,360 19,549,670 67,722,470 \$1,657,718 \$1,120,773 \$1,120,773 \$1,120,773 \$1,120,773 \$1,120,773 \$2,633,490 35,210,030 \$686,783 \$1,471,00,773 \$2,688,780 \$1,825,660 92,888,710 \$2,364,953 \$1,207,743 \$1,71,660 \$1,715,60 \$1,715,60 \$1,84,690 \$23,173,550 \$1,207,743 \$1,777,743 \$1,710,743 \$1,710,743 \$1,710,743 \$1,710,743 \$1,710,743 \$1,710,743 \$1,710,743 \$1,710,743 \$1,710,743 </td <td></td> <td>5 207 874</td> <td>269,822,893</td> <td>22,707,873</td> <td>60,622,017</td> <td>34,510,030</td> <td>82,563,276</td> <td>475,433,963</td> <td>\$22,338,081</td> <td>\$2,941,642</td> <td>\$19,396,439</td>		5 207 874	269,822,893	22,707,873	60,622,017	34,510,030	82,563,276	475,433,963	\$22,338,081	\$2,941,642	\$19,396,439
530,570 11,773,810 4,871,430 2,356,670 253,790 16,053,490 35,839,760 \$599,267 \$37,737 530,570 11,773,810 4,871,430 2,356,670 2,386,030 59,385,840 \$846,668 \$64,510 67,226,620 39,930,170 962,220 3,405,330 1,609,360 19,549,670 67,722,470 \$1,657,718 \$88,122 \$1,100,462 \$1,100,773 \$100,462 \$1,100,462 \$1,100,773 \$100,462 \$1,100,472 \$1,120,773 \$100,462 \$1,100,472 \$1,120,773 \$100,462 \$1,100,472 \$1,120,773 \$100,462 \$1,100,472 \$1,120,773 \$100,462 \$1,100,472 \$1,120,773 \$100,462 \$1,100,472	530,570 11,773,810 4,871,430 2,356,670 253,790 16,053,490 35,839,760 \$599,267 676,310 37,82,140 6,540,080 3,467,360 1,433,920 9,386,030 59,385,840 \$846,668 2,265,620 39,930,170 962,220 3,405,430 1,609,360 19,549,670 67,722,470 \$1,657,718 0 6,813,935 14,191,120 1,379,125 307,052 19,110,240 41,801,472 \$1,120,773 \$ 0 20,637,430 3,632,700 1,471,070 4,245,340 5,223,490 35,210,030 \$686,783 \$ 2,633,370 62,663,740 37,200 3,429,860 5,268,880 18,825,660 92,858,710 \$2,364,953 \$ 171,60 14,716,150 1,211,340 1,755,080 5,184,690 23,173,550 \$1,207,743 \$	ي ٍ≥	1 196 240	182 885 421	90,307,220	56,444,100	1,832,740	74,473,080	407,138,801	\$10,966,797	\$1,263,978	\$9,702,819
676,310 37,882,140 6,540,080 3,467,360 1,433,920 9,386,030 59,385,840 \$846,668 \$64,510 2,265,620 39,930,170 962,220 3,405,430 1,609,360 19,549,670 67,722,470 \$1,657,718 \$88,122 \$5. 0 6,813,935 14,191,120 1,379,125 307,052 19,110,240 41,801,472 \$1,120,773 \$100,462 \$5. 0 20,637,430 3,632,700 1,471,070 4,245,340 5,223,490 35,210,030 \$686,783 \$103,477 \$103,477 \$103,477 \$103,480 12,1340 1,755,080 5,184,690 23,173,550 \$1,207,743 \$109,085 \$5. 2,633,370 62,663,740 37,200 3,429,860 5,268,880 18,825,660 23,173,550 \$1,207,743 \$109,085 \$5. 2,633,370 62,663,740 37,200 3,429,860 5,268,880 18,825,660 23,173,550 \$1,207,743 \$109,085 \$5. 2,633,370 62,663,740 37,200 3,429,860 5,268,880 13,84,690 23,173,550 \$1,207,743 \$109,085 \$5. 2,633,370 62,663,740 37,200 3,429,860 5,268,880 13,84,690 23,173,550 \$1,207,743 \$109,085 \$5. 2,633,370 62,663,740 37,200 3,429,860 5,268,880 13,84,690 23,173,550 \$1,207,743 \$109,085 \$5. 2,633,370 62,663,740 37,200 3,429,860 5,268,880 13,84,690 23,173,550 \$1,207,743 \$109,085 \$5. 2,633,370 62,663,740 37,6150 12,11340 1,755,080 5,184,690 23,173,550 \$1,207,743 \$109,085 \$5. 2,633,370 62,663,740 37,200 3,429,860 12,113,40 1,755,080 5,184,690 23,173,550 \$1,207,743 \$109,085 \$5. 2,633,370 62,663,740 37,6150 12,11340 1,755,080 5,184,690 23,173,550 \$1,207,743 \$109,085 \$5. 2,633,370 62,663,740 37,6150 12,11340 1,755,080 5,184,690 23,173,550 \$1,207,743 \$109,085 \$5. 2,633,370 62,663,740 37,6150 12,11340 1,755,080 5,184,690 12,173,550 \$1,207,743 \$109,085 \$5. 2,633,400 6,184,600 6,184,	676,310 37,882,140 6,540,080 3,467,360 1,433,920 9,386,030 59,385,840 \$846,668 2,265,620 39,930,170 962,220 3,405,430 1,609,360 19,549,670 67,722,470 \$1,657,718 0 6,813,935 14,191,120 1,379,125 307,052 19,110,240 41,801,472 \$1,120,773 \$ 0 20,637,430 3,632,700 1,471,070 4,245,340 5,223,490 35,210,030 \$686,783 \$ 2,633,370 62,663,740 37,200 3,429,860 5,268,880 18,825,660 92,858,710 \$2,364,953 \$ 171,660 14,716,150 134,630 1,211,340 1,755,080 5,184,690 23,173,550 \$1,207,743 \$ \$	- E	530.570	11 773 810	4.871.430	2,356,670	253,790	16,053,490	35,839,760	\$599,267	\$37,737	\$561,530
2,265,620 39,930,170 962,220 3,405,430 1,609,360 19,549,670 67,722,470 \$1,657,718 \$88,122 0 6,813,935 14,191,120 1,379,125 307,052 19,110,240 41,801,472 \$1,120,773 \$100,462 0 20,637,430 3,632,700 1,471,070 4,245,340 5,223,490 35,210,030 \$686,783 \$103,477 2,633,370 62,663,740 37,200 3,429,860 5,268,880 18,825,660 92,858,710 \$2,364,953 \$188,187 4,74,600 1,74,600 1,713,40 1,755,080 5,184,690 23,173,550 \$1,207,743 \$109,085	2,265,620 39,930,170 962,220 3,405,430 1,609,360 19,549,670 67,722,470 \$1,657,718 0 6,813,935 14,191,120 1,379,125 307,052 19,110,240 41,801,472 \$1,120,773 0 20,637,430 3,632,700 1,471,070 4,245,340 5,223,490 35,210,030 \$686,783 2,633,370 62,663,740 37,200 3,429,860 5,268,880 18,825,660 92,858,710 \$2,364,953 171,660 14,716,150 134,630 1,211,340 1,755,080 5,184,690 23,173,550 \$1,207,743	avhrook	676.310	37.882.140	6,540,080	3,467,360	1,433,920	9,386,030	59,385,840	\$846,668	\$64,510	\$782,158
Columbia	Conference	100 IC 4	2.5,5.5	39,930,170	962,220	3,405,430	1,609,360	19,549,670	67,722,470	\$1,657,718	\$88,122	\$1,569,596
ld 0 20,637,430 3,632,700 1,471,070 4,245,340 5,223,490 35,210,030 \$686,783 \$103,477 lle 2,633,370 62,663,740 37,200 3,429,860 5,268,880 18,825,660 92,858,710 \$2,364,953 \$188,187 lle 2,633,370 62,663,740 37,200 1,211,340 1,755,080 5,184,690 23,173,550 \$1,207,743 \$109,085	old 20,637,430 3,632,700 1,471,070 4,245,340 5,223,490 35,210,030 \$686,783	D _	5,555,2	6.813.935	14.191.120	1,379,125	307,052	19,110,240	41,801,472	\$1,120,773	\$100,462	\$1,020,311
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23,173,550 \$1,207,743 \$109,085	171,660 14,716,150 134,630 1,211,340 1,755,080 5,184,690 23,173,550 \$1,207,743	2 4	0 633 370	62 663 740	37.200	3,429,860	5,268,880	18,825,660	92,858,710	\$2,364,953	\$188,187	\$2,176,766
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	ADJ.	TAX LOSS	\$237,542	\$984,967	\$24,472,591	\$1,357,793	\$1,951,390	\$16,963,361	\$6,486,338	\$465,442	\$864,779	\$5,117,660	\$3,646,758	\$209,935	\$2,366,967	\$1,452,310	\$6,221,335	\$8,165,890	\$2,632,840	\$942,488	\$1,084,012	\$609,819	\$536,403	\$649,984,345
Tax Loss Data	TOTAL	REIMB	\$14,055	\$17,655	\$7,008,470	\$95,595	\$323,318	\$1,445,151	\$1,259,421	\$66,195	\$19,326	\$238,169	\$286,047	\$11,483	\$86,833	\$374,825	\$1,198,369	\$2,249,553	\$247,481	\$108,423	\$37,262	\$11,109	\$26,070	\$126,177,369
	TOTAL	TAX LOSS	\$251,597	\$1,002,622	\$31,481,061	\$1,453,388	\$2,274,708	\$18,408,512	\$7,745,759	\$531,637	\$884,105	\$5,355,829	\$3,932,805	\$221,418	\$2,453,800	\$1,827,134	\$7,419,704	\$10,415,443	\$2,880,321	\$1,050,911	\$1,121,274	\$620,928	\$562,473	\$776,161,714
	GRAND	TOTAL	12,068,036	65,787,665	424,180,232	113,266,140	119,971,105	578,820,069	195,002,277	26,614,170	44,370,370	248,055,500	194,871,690	11,802,820	83,950,700	43,159,845	105,901,790	628,159,824	134,655,842	40,425,620	43,567,445	36,128,825	27,070,780	23,388,135,160
	TOTAL	ALL OTHER	3,359,988	39,934,480	131,947,169	13,945,960	43,634,400	402,542,960	19,509,510	4,566,640	15,564,120	63,998,770	26,729,700	2,152,230	30,998,980	6,508,230	12,865,480	7,066,130	40,625,060	6,551,060	15,403,570	8,060,330	15,005,690	4,824,779,898
	TOTAL INDIV	(PERS PROP)	203,095	598,005	17,094,690	289,430	13,495,785	5,080,490	6,698,789	2,266,960	14,110	113,650	1,931,710	172,360	2,137,640	2,253,340	2,752,300	21,680,990	9,685,060	2,000,360	350,175	987,705	2,060,950	922,740,317
Grand List Data	TOTAL INDIV	(REAL PROP)	130,360	959,370	118,356,732	4,760,850	5,480,590	64,758,974	40,187,169	1,208,420	1,846,950	2,138,290	10,616,640	431,750	1,099,310	6,802,010	12,538,160	2,989,400	5,452,090	3,169,930	1,735,220	920,740	1,088,000	3,149,147,813
	TOTAL	STATE	3,101,152	2,790,240	51,974,975	23,169,680	2,505,100	19,623,855	250,320	2,879,510	0	49,956,540	41,312,740	1,712,010	2,399,880	6,577,170	43,609,950	548,304,884	5,107,262	368,130	1,249,780	62,190	762,920	3,998,490,340
	TOTAL	MUNICIPAL	5.273,441	21,505,570	99,943,056	70,977,450	54,456,590	77,315,490	87,410,129	14,458,400	26,945,190	129,829,770	114,280,900	7,231,710	46,631,970	20,595,105	34,046,520	44,852,610	67,525,780	28,336,140	24,828,700	26,097,860	8,153,220	8,867,644,772
	TOTAL	FEDERAL	0	0	4,863,610	122,770	398,640	9,498,300	40,946,360	1,234,240	0	2,018,480	•	102,760	682,920	423,990	89,380	3,265,810	6,260,590	0	0	0	0	1,625,332,020
	TOWN		Warren	Washington	Waterbury	Waterford	Watertown	West Hartford	West Haven	Westbrook	Weston	Westport	Wethersfield	Willington	Wilton	Winchester	Windham	Windsor	Windsor Locks	Wolcott	Woodbridge	Woodbury	Woodstock	

Public Employee Bargaining and Binding Arbitration

Statutory Reference: 7-468, 7-469, 7-473c

Summary of Responses

The two towns analyzing municipal employee contracts estimated their annual costs at \$278,000 and \$250,000 respectively, utilizing a comparison between actual increases and the consumer price index. These represent approximately one-half and one-quarter percent of their annual operating budgets.

Local Analysis

		Cost as % of
	Estimated Direct Cost	Operating Budget
Cheshire	\$278,176	0.52%
Manchester	\$249,926	0.28%

Statewide Projection

If projected statewide, costs would total approximately \$20-\$36 million annually. The estimate for all municipalities was arrived at by using the high and low end percentages of the municipal operating budgets from the table below with a statewide operating budget that is estimated to be \$7 billion for FY 1995. This results in the estimated range of \$20 - 36 million.

	Estimated Direct Cost Operating Budget	

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Public Employee Bargaining and Arbitration

Municipality: Cheshire

Fiscal Year: 1994-95

Estimated Direct Cost: \$278,176

Direct Cost as a % of Operating Budget: 0.52%

How Cost was Determined: This analysis reviewed all non-Department of Education employees and did not consider the impact of this legislation on Department of Education employees. This analysis went back to F.Y. 1990-91 and compared the actual salary increases, which have increased by 21.5%, to the Consumer Price Index (CPI) which has increased by 15.0%. While none of these contracts were the result of binding arbitration, if these increases were limited to the CPI. there would have been a substantial savings in this year's budget, apart from the incremental savings that would have been realized in each of the previous fiscal years.

If Mandate were Eliminated: If this mandate were eliminated it cannot be determined how the Town might do things differently. The biggest objection to the statute was the inability of a municipality to reject the arbitration ruling and a sense that the community's "ability to pay" was not given due consideration in the decision. With recent legislative changes much of the previous problems appear to have been addressed. One final refinement might be to permit arbitrators to rule between the two last best offers rather than an either/or resolution.

Public Employee Bargaining and Arbitration

Municipality: Manchester

Fiscal Year: 1993-94

Estimated Direct Cost: \$249,926

Direct Cost as a % of Operating Budget: .28%

How Cost was Determined: Total bargaining units salaries = \$3,493,629. Spread between the Consumer Price Index (CPI) and the arbitrator's award is 1.0% or \$134,936. Costs of 3 employees at varying % of time = \$80,000. Cost of 1 employee to represent 7 units = \$35,000. The total of these is \$249,926.

Estimated Indirect Cost: Indirect costs such as subjecting medical benefits to negotiation is unmeasurable but probably equal to direct costs.

If Mandate were Eliminated: The Town would probably base increases on a base amount less than CPI with merit increases which could, in total, exceed CPI.

Statutory Reference: 17-3a, 17-12hh, 17-273

Summary of Responses

Hartford and Cheshire arrived at their figures by determining the difference between all General Assistance expenses and the state reimbursement. Manchester estimated that if General Assistance was eliminated it would continue AFDC, which is about 10% of the present caseload. It then determined the cost for AFDC and took the difference between the General Assistance cost and the AFDC cost and used that figure as its direct cost for General Assistance.

Local Analysis

		Cost as % of
	Estimated Direct Cost	Operating Budget
Cheshire	\$18,400	0.03%
Hartford	\$12,299,592	2.8%
Manchester	\$384,000	0.43%

Statewide Projection

In addition to the data provided by these analyses, we include the following additional data for context. Statewide, net general assistance costs for municipalities in 1994-95 were approximately \$40 million, with administrative costs of approximately \$25 million. Of these amounts, in excess of 90% is in the 20 largest municipalities, with over 65% being in the four central cities. In addition, costs for this program expand substantially in difficult economic times, causing even more pressure on strained municipal budgets at their most vulnerable times.

Estimated Direct Cost Operating Budget Est. for all municipalities \$40 million 0.6%		
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Municipality: Cheshire

Fiscal Year: 1994-95

Estimated Direct Cost: \$18,400

Direct Cost as a % of Operating Budget: 0.03%

How Cost was Determined: The direct cost estimate was developed by determining the difference between all General Assistance expenses and the Town's General Assistance reimbursement. The indirect cost was determined by estimating staff time in administering the program.

Estimated Indirect Cost: \$18,575

If Mandate were Eliminated: If this mandate were eliminated the Town would probably provide some level of assistance, but whether it would be direct financial aid or other types of assistance and what level of assistance cannot be determined at this time.

Municipality: Hartford

Fiscal year: 1994-95

Estimated Direct Cost: \$12,299,592

Direct Cost as a % of Operating Budget: 2.8%

How Cost was Determined: The direct cost was determined by calculating the difference between all direct general assistance expenses (payments to general assistance recipients and service providers) and the net revenue the city receives as reimbursements. The estimated indirect cost consists of personnel costs, fringe benefits, operating supplies and an indirect cost assumption (i.e. utilities, facilities usage, communications expenses etc.). The operating budget is defined as the fiscal year 1994-95 adopted general fund budget.

Estimated Indirect Cost: \$6,409,767

If Mandate were Eliminated: It is likely that if this mandate were eliminated, some form of assistance would be provided, however a determination on what type of assistance can not be made at this time. It is also likely that a dramatic reduction of general assistance will result in some form of mill rate reduction.

Municipality: Manchester

Fiscal year: 1993-94

Estimated Direct Cost: \$384,000

Direct Cost as a % of Operating Budget: .43%

How Cost was Determined: The Town estimates that if welfare were eliminated, the Town would continue AFDC which is about 10% of our present caseload. The 100% cost of this AFDC is \$219,000, Administrative would be \$250,000. Our present cost is \$853,000, so savings would be \$384,000.

Estimated Indirect Cost: None

If Mandate were Eliminated: See Above

Heart and Hypertension Program

Statutory Reference: 7-314a, 7-433c

Summary of Responses

All communities analyzing this mandate have direct costs attributed to the presumption in favor of police and fire personnel. Despite the original estimation that this mandate had significant impact, the results of the analyses demonstrate that the impact is generally moderate.

Local Analysis

		Cost as % of
	Estimated Direct Cost	Operating Budget
Cheshire	\$81,542	0.15%
Hartford	\$1,060,000	0.24%
## ## ## ## ## ## ## ## ## ## ## ## ##	\$216,313	0.24%
Manchester	Φ 210,313	U:44 IO

Statewide Projections

The total statewide estimated expenses range in the area of \$10 - 17 million annually. The estimate for all municipalities was arrived at by using the high and low end percentages of municipal operating budgets from the table below with a statewide operating budget that we have estimated to be \$7 billion for FY 1995. This results in an estimated range of \$10 - 17 million.

Both the General Assembly's Office of Legislative Research(OLR) and the Connecticut Conference of Municipalities(CCM) have in recent years conducted statewide surveys on the cost of heart and hypertension payments to each municipality. CCM's results were for FY 1991 and showed costs of \$12.5 million, based on returns from all 169 municipalities. OLR's survey asked the municipalities what their estimated costs for FY 1994 would be and its results showed anticipated expenditures of \$12 million. However, OLR's survey had responses from only 122 municipalities, with several major cities not included.

Cost as % of	

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Heart and Hypertension

Municipality: Cheshire

Fiscal Year: 1994-95

Estimated Direct Cost: \$81,542

Direct Cost as a % of Operating Budget: 0.15%

How Cost was Determined: Currently, 9.3% of the Police Department work force are eligible for this benefit, as well as one retiree. This cost estimate was determined simply by identifying the temporary total expenses that the Town is obligated to pay through the remainder of the fiscal year and estimating the remaining medical expenses (physicians, and pharmaceutical costs associated with these claims). Additional expenses above these estimates are possible during this fiscal year, but are not predictable.

Estimated Indirect Cost: \$5,000 based on legal expenses and additional administrative costs. Also, the restoration of sick time for absences associated with this type of claim can be significant, but we have not had this occur yet this fiscal year.

If Mandate were Eliminated: If this mandate did not exist the Town would merely treat this type of claim as any other workers' compensation claim and we would not continue to give it the specialized and unique treatment it has received.

Heart and Hypertension

Municipality: Hartford

Fiscal Year: 1994-95

Estimated Direct Cost: \$1,060,000

Direct Cost as a % of Operating Budget: 0.24%

How Cost was Determined: The costs are derived from various sources. The City pays temporary total (TT) for the first year of indemnity and the Travelers Insurance Company pays subsequent TT as well as all medical and other indemnity. In addition, certain heart and hypertension costs are paid from the City's employee benefits budget. The estimated direct cost was determined by including adopted budget figures for heart and hypertension from the employee benefits budget. Actual heart and hypertension expenditures paid by Travelers Insurance Company for the first half of the fiscal year are doubled and last year's actual TT figures paid by the Police and Fire Departments are used to estimate the 94-95 direct costs.

Estimated Indirect Cost: According to industry analysts, the indirect costs associated with worker's compensation and heart and hypertension are conservatively three times the direct cost. Therefore, the estimated indirect cost for 94-95 is \$3,180,000.

If Mandate were Eliminated: If this mandate were eliminated, the city would treat this type of claim like any other worker's compensation claim and not give it the specialized and unique treatment it has received.

Heart and Hypertension

Municipality: Manchester

Fiscal Year: 1992-93

Estimated Direct Cost: \$216,313

Direct Cost as a % of Operating Budget: .24%

How Cost was Determined: Actual payments were totaled for all areas except legal/indirect. Here the cost of internal legal services was estimated.

Estimated Indirect Cost: This \$216,313 represents a continuing cost to the Town. The indirect costs such as replacement costs and other internal costs are estimated to be about \$10,000/yr.

If Mandate were Eliminated: Since there is no proven connection between public safety activity and Heart and Hypertension, the benefit would not be continued but treated as if it were a legitimate Workers' Compensation claim.

Statutory Reference: 7-112, 31-53

Summary of Responses

Four municipalities analyzed the costs of the prevailing wage mandate. Given that the wage factor is a portion of total project cost, the mandate increased the costs of the projects, in amounts ranging from 11% to 21%, depending on the type and labor intensity of the projects. For the five projects represented in these analyses, the total cost of the mandate was estimated to be \$850,000. As with all the other mandates, these projections were taken, by necessity, from a limited sampling.

It must be noted that capital projects in Connecticut are generally bonded (most often over 20 years), increasing the costs of the mandate by the interest paid on that cost, but also spreading out that cost over multiple years. This long term approach would spread any benefits of changing this statute over the life of the bonds of any new project.

Local Analysis

			Cost as % of
	Estimated Dir	ect Cost	Operating Budget
Killingly	Project A) \$	25,000	Project A) 0.1%
	Project B) \$	153,000	Project B) 0.5%
Mansfield	Project A) \$	91,395	Project A) 0.44%
Norwich	Project A) \$2	226,000	Project A) 0.78%
Stonington	Project A) \$:	361,189	Project A) 1.3%

Statewide Projection

The estimate for all municipalities is a range using the high and low end percentages of operating budgets from the table below with a statewide operating budget that we have estimated to be \$7 billion for FY 1995. This gives results in an estimated range of \$28 - 91 million.

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Municipality: Killingly

Fiscal Year: 1994-95

Project A: Sidewalk Reconstruction

Estimated Direct Cost: \$25,000

Direct Cost as a % of Project: 20.0

Direct Cost as a % of Operating Budget: .1%

How Cost was Determined: The total contract cost of the project is \$123,000. Of this amount, \$20,000 represents material costs. Of the \$103,000 project balance remaining, \$86,000 is estimated to represent labor costs. Using an approximate 40% prevailing wage rate, the additional cost of labor is estimated to be \$25,000.

Estimated Indirect Cost: Had the prevailing wage rates not been in effect for this project, more sidewalk reconstruction work would have been undertaken.

If Mandate were Eliminated: Depending on the project, the Town would either expand the scope of the project or reduce the cost of the overall project.

Municipality: Killingly

Fiscal Year: 1994-95

Project B: Attawaugan Crossing/Upper Maple Street Road Reconstruction

Estimated Direct Cost: \$153,000

Direct Cost as a % of Project: 20.0

Direct Cost as a % of Operating Budget: 0.5%

How Cost was Determined: Methodology used in calculating the above dollars and percents is the same as used for the Town of Killingly Sidewalk Reconstruction project.

Estimated Indirect Cost: Had the prevailing wage rates not been in effect for this project, more road reconstruction work would have been undertaken.

If Mandate were Eliminated: Depending on the project, the Town would either expand the scope of the project or reduce the cost of the overall project.

Municipality: Mansfield

Fiscal Year 1993-94

Project: Reconstruction of Mansfield Avenue

Estimated Direct Cost: \$91,395

Direct Cost as a % of Operating Budget: 0.44%

How Cost was Determined: The impact on the operating budget is difficult to gauge as large capital projects are not evenly distributed over a given period of years. A case study of a particular project was used to provide data. The significant information obtained from the outside contractors was their estimate of a 45 percent markup over real market wage rates. The ratio of labor costs to total costs will vary with the type of project. Mansfield estimates a markup of approximately 10 percent for road projects. We would expect that in a more labor intensive project like a building, the overall increase would be closer to 20 percent. The details of the project are as follows:

Reconstruction of Mansfield Avenue Project

Total Cost - \$193,679

Labor Costs equaled 16.7 percent of total project costs

Total Labor Costs were \$32,356

Contractors Payroll Department estimates prevailing wages at 45 percent markup

Estimated Labor Costs of area rates - \$17,958

Additional costs to Town because of Mandate - \$14,398

Mandate Costs as percent of total project costs - 7.5 percent.

Extrapolation to similar projects based on 6/30/94

Comprehensive Annual Financial Report Capital Fund

Budgeted Projects:

Cider Mill Bridge 287,937

Mt. Hope Bridge 449,060

Road Resurfacing 250,000

Road Resurfacing 231,613

\$<u>1,218,610</u>

1.218.610 X 7.5%=\$91,395 additional. costs due to mandate

Estimated Indirect Cost: The community scales back its capital program to meet the dollars available. Deferred maintenance is increased, shifting costs to future taxpayers and generations.

If Mandate were Eliminated: Mansfield would pay market wage rates.

Other Comments: This is one of the few areas where government has successfully privatized its operations. By setting artificially high wage rates, the State policy obviates that advantage. State and local governments actually pay more using the private sector than they would if they undertook the job themselves. This policy also results in fewer jobs. Finally, as many projects are undertaken in partnership with the State government using partial state funding, this increases State costs along with local costs.

Municipality: Norwich

Fiscal Year: 1993-94

Project - Reconstruction of Asylum Street

Estimated Direct Cost: \$226,000

Direct Cost as a % of Operating Budget: 0.78%

How Cost was Determined: The total cost for the Asylum Street Project is \$1,302,000. We estimated that the State mandate to pay prevailing wages increased the cost of that project by 21%. The normal rate of pay for a laborer, including fringe benefits, is approximately \$25 per hour. The cost on a prevailing rate project is about \$41. This is an increase of 64%. Labor costs are roughly 1/3 of the total construction costs. Materials and equipment account for the other 2/3. These two items are not affected by the prevailing wage mandate. Therefore, the total increase in project costs is 21%.

Estimated Indirect Cost: The community scales back its capital program to meet the dollars available.

If Mandate were Eliminated: Norwich would pay market wage rates.

Municipality: Stonington

Fiscal Year: 1992-93

Project: Pawcatuck Middle School

Estimated Direct Cost: \$361,189

Direct Cost as a % of Operating Budget: 1.3%

How Cost was Determined: The statute requires political subdivisions of the state in each contract for the construction, remodeling, refinishing, refurbishing, rehabilitation, alteration or repair of any public works project to include a provision requiring adherence to the prevailing wage in the locality. The statute also requires imposition of a fine of between \$2,500 and \$5,000 for each willful violation of the prevailing wage. This does not apply to new construction projects where the total cost of all work to be performed is under \$400,000, or to remodeling, refinishing, refurbishing, rehabilitation, alteration or repair projects where the total cost is under \$100,000.

The Pawcatuck Middle School project had a basic construction cost not including change orders of \$5,430,000 based on State of Connecticut "prevailing wage rates" as of November 1989. A construction cost analysis based on three additional wages rates was performed. The first construction cost analysis was based on a "non-prevailing November 1989" wage rate. The second and third construction cost analyses were based on "non-prevailing November 1994" wage rates, and "prevailing November 1994" wage rates, respectively.

The analysis began by using a typical payment requisition form from the general contractor. Using a Mean's Cost Estimating Index for both 1989 and 1994, the breakdown between labor and material cost of each of the contract items was obtained. Once the labor values were obtained for each contract item, these labor costs were prorated based on the three cost analyses, namely, non-prevailing 1989, non-prevailing 1994 and prevailing 1994. The prevailing wage rates were taken from the State of Connecticut Labor Department data for both 1989 and 1994. The non-prevailing wages rates were taken from the Mean's Cost Estimating Indices and modified for local conditions by using input from local contractors. The original requisition naturally represents the prevailing wage rates for October 1989 and is included as a reference for comparison to the three additional cost analyses that were prepared.

Since this project was a debt-service item and amortized over a twenty year period with State School Building Grant Eligibility and Bond Interest Subsidy at .46973%, the 11.14% cost savings to the Town of Stonington if this project was not subject to the prevailing wage determination, amounts to exactly \$832,074 over the life of the issue. The cost savings to the State of Connecticut would be \$485,362.

Estimated Indirect Cost: Having testified at arbitration hearings relative to municipal contracts and the Town's ability to pay issues, I have seen the prevailing wage classifications for the labor market area being submitted into evidence and used as a comparison basis for award purposes. Since most of the wage determinations are in excess of the existing and proposed municipal contract wages, awards using this basis of comparison usually favor labor and exceed the Town's ability to pay resulting in staffing level reductions and cutbacks in service levels.

If Mandate were Eliminated: Elimination of this particular mandate would result in a definite cost savings to the municipality as witnessed by the cost analysis. Stonington would continue to bid its capital projects and pay labor-related expenses at a rate determined by its competitive bid process.

Statutory Reference: 22a-220, 22a-241, 22a-241b

Summary of Responses

The statutory requirements to dispose of solid wastes and to recycle some elements of the waste stream were identified for analysis because of their purported high costs. In analyzing them, however, the sample municipalities concluded that no savings could be realized by eliminating this mandate because they would perform the same services without the mandate. Thus, Bridgeport and West Haven have identified the full cost of recycling (net of avoided disposal costs) because this is a relatively new mandate and not necessarily something the towns would do on their own.

Local Analysis

		Cost as % of
	Estimated Direct Cost	Operating Budget
Bridgeport	\$83,016	0.02%
Norwalk	Not Applicable	Not Applicable
West Haven	\$932,000	1.0%

Statewide Projection

With estimates varying so widely, it is unrealistic to project a statewide total.

Estimated Direct Cost	
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Municipality: Bridgeport

Fiscal Year: 1994-95

Estimated Direct Cost: \$83,016

Direct Cost as a % of Operating Budget: 0.02%

How Cost was Determined: Cost was determined by subtracting the avoided disposal cost as the result of recycling from the curbside recycling expense as follows:

Curbside Recycling Expense: \$438,189

Avoided Disposal Cost: \$355,173 (tonnage (4,886.8) X current rate (\$72.68)

Net Cost of Mandate: \$83,016

Other Comments: The city is under contract to be a member of CRRA for the next twelve years which makes it difficult to realize any savings in this area. The City has its own recycling department and it appears that the mandate is costing the City very little.

Municipality: Norwalk

Fiscal Year: 1994-95

Estimated Direct Cost: For the purpose of this analysis we have not calculated any cost estimated with regards to solid waste disposal, because we have assumed that the City would continue to dispose of such wastes absent the mandate. In this area of recycling there is no direct impact on the City since the avoided disposal costs more than offset the added costs of the City's recycling efforts.

Municipality: West Haven

Fiscal Year: 1994-95

Estimated Direct Cost: \$932,000, or 1% of the City's operating budget. This estimate is based the net cost of recycling, after accounting for a reduction in waste disposal costs due to tonnage that is removed from the waste stream because of recycling. We have not attached any costs to the mandates related to waste disposal, because we have assumed that the City would continue to dispose of such wastes even without the mandate.

Direct Cost as a % of Operating Budget: 1.0%

How Cost was Determined: The direct cost of the recycling mandate was based upon the City's cost of curbside recycling, hazardous waste disposal expense, and compost site expense; less the avoided disposal costs associated with the tonnage that the City recycles as follows:

Curbside Recycling Expense: \$1,153,573 Avoided Disposal Cost: \$ 221,168 Net Cost of Mandate: \$ 932,405

Estimated Indirect Cost: There are no significant indirect costs associated with the recycling mandate, but there may be some indirect benefits. Arguably, recycling may help forestall the need to expand disposal or incineration facilities, and may constrain the cost to close facilities when they have reached the end of their useful life. We have not attempted to attached a value to this potential benefit.

If Mandate were Eliminated: If the mandate were eliminated now, we are unable to predict the impact, since the decision on future recycling efforts would be made by the City Council. There appears to be general support for recycling among the present members of the City Council.

Statutory Reference: 13a-107

Summary of Responses

This is the mandate requiring municipalities to maintain local roads in passable condition during winter storms. The analysis centered on overtime (or extra) costs required for snow plowing, plus the attendant expenses such as sand and salt. The total amount for the four municipalities in this sample is \$1.2 million, representing between 0.4% and 1.8% of the local budgets. It must be stated that the figures for Mansfield, Norwich and Stonington are based on expenditures for 1993-94 which was a very heavy snow year and may not represent average yearly expenditures.

Local Analysis

	Estimated Direct Cost	Cost as % of Operating Budget
Killingly	\$135,000	0,4%
Mansfield	\$383,160	1.8%
Norwich	\$443,270	0.6%
Stonington	\$260,914	0.8%

Statewide Projections

In order to get FY 1995 projections for the sample returns shown below, we increased any budget figure that was not FY 1995 by 3% per year. Also, the estimate for all municipalities is a range using the high and low end percentages of operating budgets from the table below with a statewide operating budget that we have estimated to be \$7 billion for FY 1995. This gives us an estimated range of \$28 - 70 million.

Cost as % of	
Estimated Direct Cost Operating Budget	

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Municipality: Killingly

Fiscal Year: 1994-95

Estimated Direct Cost: \$135,000

Direct Cost as a % of Operating Budget: 0.4%

How Cost was Determined: Costs include all materials, supplies, overtime labor and fringe benefits required as a result of snow removal operations.

Estimated Indirect Cost: None

If Mandate were Eliminated: If this mandate were eliminated, the current staffing and motor vehicle fleet needs of the Town would be re-examined.

Municipality: Mansfield

Fiscal Year; 1993-94

Estimated Direct Cost: \$372,000

Direct Cost as a % of Operating Budget: 1.8%

How Cost was Determined: Costs were estimated using a cost accounting system developed in the Town's Public Works Department.

Estimated Indirect Cost: None

If Mandate were Eliminated: No change

Municipality: Norwich

Fiscal Year: 1993-94

Estimated Direct Cost: \$430,359

Direct Cost as a % of Operating Budget: 1.5%

How Cost was Determined: Actual overtime cost per snow storm, plus sand and salt

expense.

Estimated Indirect Cost: None

If Mandate were Eliminated: No change

Municipality: Stonington

Fiscal Year: 1993-94

Estimated Direct Cost: \$253,315.30

Direct Cost as a % of Operating Budget: 1.0%

How Cost was Determined: The Statute requires towns to plow highways when they become impassable for public travel.

The costs of Snow Removal labor, benefits, materials and equipment depreciation net of Town Aid Road Grant Funds (materials only) was applied against the appropriated 1993-1994 operating budget to arrive at a direct cost to operating budget. The actual 1993-94 expenses were used since there has been no current-year activity due to the seasonal nature of this expenditure.

Estimated Indirect Cost: Stonington budgets cost related to snow removal by trending historical levels of expenditure. The indirect costs and impacts to the municipality are contingent upon the amount over and above the original appropriation required to fund this particular line. In 1993-94 with the extreme icing conditions and numerous snow storms, estimated budgets were grossly exceeded. Stonington had projected an estimated undesignated fund balance at fiscal year end of 6%. This balance dropped to 5.4% due to application of fund balance to snow removal expenditures. A municipality's undesignated fund balance is an indicator to bond rating services as to the financial stability of the entity. The factor plays a major roll in the amount the municipality pays for borrowing. In addition, Stonington budgets its snow removal materials through its Town Aid Road Grant funds. The estimate for snow removal materials was exceeded by thirty-eight percent in 1993-94. The grant funds earmarked for completion of a road reclamation project had to be scaled back due to this coverage.

If Mandate were Eliminated: Due to the public safety factor involved, there is very little the municipality would or could change in maintaining town roads if the mandate were eliminated.

ACIR MEMBERS AGENCY COMMENTS



STATE OF CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION



February 16, 1995

David W. Russell Executive Director Advisory Commission on Intergovernmental Relations 80 Washington Street Hartford, CT 06106

Dear Mr. Russell:

The programmatic staff of the Department of Environmental Protection are currently reviewing "A Compendium of Statutory Mandates on Municipalities in Connecticut." and the draft "Cost Estimates for Selected Statutory Mandates on Municipalities in Connecticut." In addition to the concerns raised at Wednesday's meeting, comments and recommendations based on the outcome of our review of these documents will be forth coming.

It is important to point out that many of our department's mandates provide State money to help towns defray implementation costs associated with carrying out new responsibilities. Funding for one such program is attached for your information. I will have our staff's findings forwarded to you before the next scheduled Advisory meeting.

Sincerely,

Richard Hyde

Acting Bureau Chief

Bureau of Environmental Services

Department of Environmental Protection

PUBLICATIONS BY THE CONNECTICUT ACIR

- Home Rule in Connecticut: Its History, Status and Recommendations for change (January 1987)
- The Impact of the Timing of State Aid Decisions on Local Budgetmaking (December 1987)
- Independent Special Taxing Districts in Connecticut (December 1988)
- The State of State-Local Relations in Connecticut (March 1989)
- Defining Statewide vs. Local concerns: Can It Be Done and is it Necessary? (May 1989)
- Defining Statewide vs. Local concerns: Can It Be Done and is it Necessary?
 Constitutional Provision Supplement (June 1989)
- Solid Waste Management Practices in Connecticut Municipalities: Data Base (August 1989)
- Spending in Special and Other Funds in Connecticut Municipalities (April 1990)
- Local Government Cooperative Ventures in Connecticut (August 1990)
- Municipal Budget Adoption Experience in Connecticut 1990-91 (October 1990)
- Municipal Budget Adoption Experience in Connecticut 1991-92 (October 1991)
- Municipal Budget Adoption Experience in Connecticut 1992-93 (October 1992)
- 1993 State Mandates (September 1993)
- Connecticut Municipalities In Crisis: Can Regional Efforts Help? (January 1994)
- A Compendium Of Statutory Mandates On Municipalities In Connecticut (February 1994)
- A Compendium Of Regulatory Mandates On Municipalities In Connecticut (July 1994)
- 1994 State Mandates (August 1994)