

Reforming Connecticut's Education Aid Formula to Achieve Equity and Adequacy across School Districts

Appendix Table 1. Regression Results Used to Determine Factor Weights in Calculating the Cost Index and the Predicted Cost Connecticut, 2009–2013

	<i>Dependent Variable:</i> Log of Current Spending per Pupil
<i>Education Outcome:</i>	
Percentage of Students Reaching or Exceeding Proficiency in Math, Reading, and Writing	0.010* (0.005)
<i>Cost Factors:</i>	
Percentage of School-age Children (Aged 5–17) from Families Living in Poverty	0.012** (0.005)
Percentage of Children Enrolled in Public Schools Living in Single-parent or Non-family Households	0.003* (0.002)
Indicator for Enrollment < 2,000	0.072*** (0.022)
Indicator for Regional School District	0.077*** (0.019)
<i>Efficiency Variables:</i>	
Log of Real ENGL per Pupil	0.221*** (0.025)
Log of Real Median Household Income	−0.027 (0.109)
Percentage of Total Revenue from Federal and State Sources	0.003*** (0.001)
Percentage of Property Tax Base from Businesses	0.004*** (0.001)
Percentage of Registered Republican Voters	−0.006*** (0.002)
Percentage of Population Aged 65 and Older	−0.003 (0.003)
Percentage of Adults with a Bachelor's Degree or Higher	0.004*** (0.001)
Percentage of Owner-occupied Housing Units	0.003 (0.002)
Indicator for Bordering Massachusetts	−0.017 (0.022)
Indicator for Bordering New York	0.021 (0.039)
Indicator for Bordering Rhode Island	−0.078* (0.042)
Constant	−0.123 (0.730)
Observations	585
Endogeneity Test P-value	0.052
Kleibergen-Paap Underidentification Test P-value	0.017
Hansen J Overidentification Test P-value	0.218
Adjusted R-squared	0.574

Source: Zhao (2020)

Notes: The regression includes year and labor market area (LMA) fixed effects. Standard errors are clustered at the school district level. The education outcome variable is instrumented with neighbor districts' percentage of the property tax base from businesses and neighbor districts' percentage of adults without a high school degree.

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Appendix Table 2. Per Pupil Values of Gap- and Aid-related Variables by Connecticut School District in Fiscal Year 2019
(School Districts Ordered Alphabetically)

School District	Predicted Cost	Revenue Capacity	Cost-capacity Gap	Existing State Aid	Post-aid Gap after Existing Aid	State Aid Distributed by a Gap-based Formula with:					Post-aid Gap after State Aid Distributed by a Gap-based Formula with:				
						Negative Aid to Negative-gap Districts	Zero Aid to Negative-gap Districts	Minimum Aid	Holding Existing Aid Harmless	Minimum Aid and Maximum Aid	Negative Aid to Negative-gap Districts	Zero Aid to Negative-gap Districts	Minimum Aid	Holding Existing Aid Harmless	Minimum Aid and Maximum Aid
						Ansonia	18.95	7.85	11.10	8.73	2.37	11.10	11.10	11.10	11.10
Avon	14.26	12.81	1.45	0.78	0.68	1.45	1.45	1.45	1.45	1.45	0.00	0.00	0.00	0.00	0.00
Berlin	15.10	13.11	1.99	2.84	-0.85	1.99	1.99	1.99	2.84	1.99	0.00	0.00	0.00	-0.85	0.00
Bethel	14.98	10.95	4.03	2.76	1.26	4.03	4.03	4.03	4.03	4.03	0.00	0.00	0.00	0.00	0.00
Bloomfield	17.70	15.36	2.34	6.09	-3.75	2.34	2.34	2.34	6.09	2.34	0.00	0.00	0.00	-3.75	0.00
Bolton	15.44	10.66	4.79	4.28	0.50	4.79	4.79	4.79	4.79	4.79	0.00	0.00	0.00	0.00	0.00
Branford	15.89	19.25	-3.35	1.11	-4.46	-3.35	0.00	0.06	1.11	0.06	0.00	-3.35	-3.41	-4.46	-3.41
Bridgeport	21.55	7.50	14.05	10.78	3.27	14.05	14.05	14.05	14.05	14.05	0.00	0.00	0.00	0.00	0.00
Bristol	17.86	8.89	8.98	6.63	2.34	8.98	8.98	8.98	8.98	8.98	0.00	0.00	0.00	0.00	0.00
Brookfield	14.22	13.82	0.40	0.69	-0.29	0.40	0.40	0.40	0.69	0.40	0.00	0.00	0.00	-0.29	0.00
Canton	15.73	11.20	4.53	3.05	1.48	4.53	4.53	4.53	4.53	4.53	0.00	0.00	0.00	0.00	0.00
Cheshire	14.43	11.42	3.01	2.40	0.61	3.01	3.01	3.01	3.01	3.01	0.00	0.00	0.00	0.00	0.00
Clinton	16.46	14.75	1.71	3.54	-1.83	1.71	1.71	1.71	3.54	1.71	0.00	0.00	0.00	-1.83	0.00
Colchester	15.21	9.27	5.94	5.89	0.05	5.94	5.94	5.94	5.94	5.94	0.00	0.00	0.00	0.00	0.00
Coventry	16.11	10.59	5.52	5.60	-0.09	5.52	5.52	5.52	5.60	5.52	0.00	0.00	0.00	-0.09	0.00
Cromwell	15.81	11.57	4.24	3.19	1.05	4.24	4.24	4.24	4.24	4.24	0.00	0.00	0.00	0.00	0.00
Danbury	17.39	11.07	6.32	3.62	2.70	6.32	6.32	6.32	6.32	6.32	0.00	0.00	0.00	0.00	0.00
Darien	14.66	27.16	-12.50	0.83	-13.33	-12.50	0.00	0.06	0.83	0.06	0.00	-12.50	-12.56	-13.33	-12.56
Derby	20.17	10.31	9.86	7.46	2.40	9.86	9.86	9.86	9.86	9.86	0.00	0.00	0.00	0.00	0.00
East Granby	15.48	11.83	3.65	2.36	1.29	3.65	3.65	3.65	3.65	3.65	0.00	0.00	0.00	0.00	0.00
East Haddam	15.26	13.45	1.81	3.70	-1.89	1.81	1.81	1.81	3.70	1.81	0.00	0.00	0.00	-1.89	0.00
East Hampton	15.47	10.31	5.16	4.17	0.99	5.16	5.16	5.16	5.16	5.16	0.00	0.00	0.00	0.00	0.00
East Hartford	20.10	8.14	11.96	8.43	3.53	11.96	11.96	11.96	11.96	11.96	0.00	0.00	0.00	0.00	0.00
East Haven	16.80	10.99	5.81	7.55	-1.74	5.81	5.81	5.81	7.55	5.81	0.00	0.00	0.00	-1.74	0.00
East Lyme	15.04	13.91	1.13	2.56	-1.43	1.13	1.13	1.13	2.56	1.13	0.00	0.00	0.00	-1.43	0.00
East Windsor	16.99	13.84	3.15	6.16	-3.01	3.15	3.15	3.15	6.16	3.15	0.00	0.00	0.00	-3.01	0.00
Ellington	14.61	8.78	5.83	4.01	1.81	5.83	5.83	5.83	5.83	5.83	0.00	0.00	0.00	0.00	0.00
Enfield	16.60	9.77	6.83	6.16	0.67	6.83	6.83	6.83	6.83	6.83	0.00	0.00	0.00	0.00	0.00
Fairfield	14.40	17.21	-2.81	0.51	-3.32	-2.81	0.00	0.06	0.51	0.06	0.00	-2.81	-2.86	-3.32	-2.86
Farmington	14.44	13.98	0.46	0.66	-0.19	0.46	0.46	0.46	0.66	0.46	0.00	0.00	0.00	-0.19	0.00
Glastonbury	14.58	11.68	2.90	1.31	1.58	2.90	2.90	2.90	2.90	2.90	0.00	0.00	0.00	0.00	0.00
Granby	14.33	9.46	4.87	3.62	1.25	4.87	4.87	4.87	4.87	4.87	0.00	0.00	0.00	0.00	0.00
Greenwich	14.79	52.66	-37.86	0.19	-38.06	-37.86	0.00	0.06	0.19	0.06	0.00	-37.86	-37.92	-38.06	-37.92
Griswold	17.71	8.89	8.82	6.57	2.25	8.82	8.82	8.82	8.82	8.82	0.00	0.00	0.00	0.00	0.00
Groton	16.71	13.88	2.83	6.17	-3.34	2.83	2.83	2.83	6.17	2.83	0.00	0.00	0.00	-3.34	0.00
Guilford	14.69	13.68	1.01	1.05	-0.04	1.01	1.01	1.01	1.05	1.01	0.00	0.00	0.00	-0.04	0.00
Hamden	16.52	11.55	4.97	5.71	-0.74	4.97	4.97	4.97	5.71	4.97	0.00	0.00	0.00	-0.74	0.00
Hartford	26.24	7.30	18.94	14.81	4.13	18.94	18.94	18.94	18.94	15.00	0.00	0.00	0.00	0.00	3.94
Killingly	17.37	10.66	6.71	7.08	-0.37	6.71	6.71	6.71	7.08	6.71	0.00	0.00	0.00	-0.37	0.00
Lebanon	16.57	12.17	4.40	5.76	-1.36	4.40	4.40	4.40	5.76	4.40	0.00	0.00	0.00	-1.36	0.00
Ledyard	15.18	8.70	6.48	5.56	0.92	6.48	6.48	6.48	6.48	6.48	0.00	0.00	0.00	0.00	0.00
Litchfield	17.02	17.58	-0.56	1.60	-2.17	-0.56	0.00	0.06	1.60	0.06	0.00	-0.56	-0.62	-2.17	-0.62
Madison	13.98	16.28	-2.30	0.53	-2.83	-2.30	0.00	0.06	0.53	0.06	0.00	-2.30	-2.35	-2.83	-2.35
Manchester	18.48	11.01	7.47	6.24	1.23	7.47	7.47	7.47	7.47	7.47	0.00	0.00	0.00	0.00	0.00
Meriden	19.37	7.96	11.41	8.69	2.71	11.41	11.41	11.41	11.41	11.41	0.00	0.00	0.00	0.00	0.00
Middletown	17.34	12.23	5.11	5.67	-0.57	5.11	5.11	5.11	5.67	5.11	0.00	0.00	0.00	-0.57	0.00
Milford	15.22	17.84	-2.62	2.14	-4.76	-2.62	0.00	0.06	2.14	0.06	0.00	-2.62	-2.68	-4.76	-2.68
Monroe	14.68	11.75	2.93	2.08	0.86	2.93	2.93	2.93	2.93	2.93	0.00	0.00	0.00	0.00	0.00

Appendix Table 2
(continued from previous page)

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						Negative Aid to Negative-gap Districts	Zero Aid to Negative-gap Districts	Minimum Aid	Holding Existing Aid Harmless	Minimum Aid and Maximum Aid	Negative Aid to Negative-gap Districts	Zero Aid to Negative-gap Districts	Minimum Aid	Holding Existing Aid Harmless	Minimum Aid and Maximum Aid
Montville	15.89	10.76	5.13	6.30	-1.17	5.13	5.13	5.13	6.30	5.13	0.00	0.00	0.00	-1.17	0.00
Naugatuck	17.16	7.70	9.46	7.36	2.10	9.46	9.46	9.46	9.46	9.46	0.00	0.00	0.00	0.00	0.00
New Britain	23.27	6.44	16.83	10.03	6.80	16.83	16.83	16.83	16.83	15.00	0.00	0.00	0.00	0.00	1.83
New Canaan	14.02	26.77	-12.75	0.36	-13.11	-12.75	0.00	0.06	0.36	0.06	0.00	-12.75	-12.80	-13.11	-12.80
New Fairfield	14.20	12.79	1.41	1.81	-0.40	1.41	1.41	1.41	1.81	1.41	0.00	0.00	0.00	-0.40	0.00
New Haven	23.01	8.51	14.49	10.09	4.40	14.49	14.49	14.49	14.49	14.49	0.00	0.00	0.00	0.00	0.00
New London	21.54	8.60	12.94	11.01	1.93	12.94	12.94	12.94	12.94	12.94	0.00	0.00	0.00	0.00	0.00
New Milford	15.00	11.99	3.01	2.99	0.01	3.01	3.01	3.01	3.01	3.01	0.00	0.00	0.00	0.00	0.00
Newington	15.55	11.67	3.89	3.51	0.37	3.89	3.89	3.89	3.89	3.89	0.00	0.00	0.00	0.00	0.00
Newtown	14.14	11.88	2.25	1.45	0.81	2.25	2.25	2.25	2.25	2.25	0.00	0.00	0.00	0.00	0.00
North Branford	14.65	11.85	2.80	4.71	-1.91	2.80	2.80	2.80	4.71	2.80	0.00	0.00	0.00	-1.91	0.00
North Haven	14.48	14.06	0.42	1.73	-1.31	0.42	0.42	0.42	1.73	0.42	0.00	0.00	0.00	-1.31	0.00
North Stonington	16.65	12.17	4.49	3.75	0.74	4.49	4.49	4.49	4.49	4.49	0.00	0.00	0.00	0.00	0.00
Norwalk	17.01	16.91	0.10	2.31	-2.21	0.10	0.10	0.10	2.31	0.10	0.00	0.00	0.00	-2.21	0.00
Old Saybrook	15.70	26.01	-10.31	0.48	-10.79	-10.31	0.00	0.06	0.48	0.06	0.00	-10.31	-10.37	-10.79	-10.37
Oxford	14.91	13.00	1.92	2.59	-0.68	1.92	1.92	1.92	2.59	1.92	0.00	0.00	0.00	-0.68	0.00
Plainfield	16.58	8.25	8.33	7.43	0.90	8.33	8.33	8.33	8.33	8.33	0.00	0.00	0.00	0.00	0.00
Plainville	16.97	10.88	6.09	5.34	0.75	6.09	6.09	6.09	6.09	6.09	0.00	0.00	0.00	0.00	0.00
Plymouth	16.47	9.34	7.13	7.32	-0.19	7.13	7.13	7.13	7.32	7.13	0.00	0.00	0.00	-0.19	0.00
Portland	15.29	10.70	4.59	4.02	0.57	4.59	4.59	4.59	4.59	4.59	0.00	0.00	0.00	0.00	0.00
Pseudo Regional 04	15.89	17.77	-1.88	0.80	-2.68	-1.88	0.00	0.06	0.80	0.06	0.00	-1.88	-1.94	-2.68	-1.94
Pseudo Regional 05	15.27	13.30	1.97	0.58	1.40	1.97	1.97	1.97	1.97	1.97	0.00	0.00	0.00	0.00	0.00
Pseudo Regional 07	15.29	11.86	3.43	1.11	2.32	3.43	3.43	3.43	3.43	3.43	0.00	0.00	0.00	0.00	0.00
Pseudo Regional 08	15.00	9.96	5.04	2.27	2.77	5.04	5.04	5.04	5.04	5.04	0.00	0.00	0.00	0.00	0.00
Pseudo Regional 09	15.50	16.57	-1.07	0.46	-1.52	-1.07	0.00	0.06	0.46	0.06	0.00	-1.07	-1.12	-1.52	-1.12
Pseudo Regional 11	17.84	13.71	4.13	4.46	-0.33	4.13	4.13	4.13	4.46	4.13	0.00	0.00	0.00	-0.33	0.00
Pseudo Regional 19	16.53	11.27	5.26	3.38	1.88	5.26	5.26	5.26	5.26	5.26	0.00	0.00	0.00	0.00	0.00
Putnam	20.30	10.47	9.82	7.83	1.99	9.82	9.82	9.82	9.82	9.82	0.00	0.00	0.00	0.00	0.00
Regional 06	17.19	23.95	-6.76	1.11	-7.87	-6.76	0.00	0.06	1.11	0.06	0.00	-6.76	-6.82	-7.87	-6.82
Regional 10	15.80	10.93	4.87	3.40	1.47	4.87	4.87	4.87	4.87	4.87	0.00	0.00	0.00	0.00	0.00
Regional 12	17.24	49.83	-32.58	0.17	-32.75	-32.58	0.00	0.06	0.17	0.06	0.00	-32.58	-32.64	-32.75	-32.64
Regional 13	16.75	12.20	4.55	3.58	0.97	4.55	4.55	4.55	4.55	4.55	0.00	0.00	0.00	0.00	0.00
Regional 14	16.89	15.31	1.58	2.31	-0.73	1.58	1.58	1.58	2.31	1.58	0.00	0.00	0.00	-0.73	0.00
Regional 15	15.66	13.43	2.23	1.79	0.44	2.23	2.23	2.23	2.23	2.23	0.00	0.00	0.00	0.00	0.00
Regional 16	15.97	10.51	5.46	4.47	1.00	5.46	5.46	5.46	5.46	5.46	0.00	0.00	0.00	0.00	0.00
Regional 17	15.55	12.70	2.85	2.20	0.65	2.85	2.85	2.85	2.85	2.85	0.00	0.00	0.00	0.00	0.00
Regional 18	17.58	24.25	-6.67	0.44	-7.11	-6.67	0.00	0.06	0.44	0.06	0.00	-6.67	-6.72	-7.11	-6.72
Ridgefield	14.08	15.18	-1.10	0.46	-1.57	-1.10	0.00	0.06	0.46	0.06	0.00	-1.10	-1.16	-1.57	-1.16
Rocky Hill	15.47	12.18	3.30	1.90	1.40	3.30	3.30	3.30	3.30	3.30	0.00	0.00	0.00	0.00	0.00
Seymour	15.61	9.91	5.70	5.11	0.59	5.70	5.70	5.70	5.70	5.70	0.00	0.00	0.00	0.00	0.00
Shelton	14.98	15.75	-0.77	1.70	-2.47	-0.77	0.00	0.06	1.70	0.06	0.00	-0.77	-0.82	-2.47	-0.82
Simsbury	14.23	10.44	3.79	2.18	1.62	3.79	3.79	3.79	3.79	3.79	0.00	0.00	0.00	0.00	0.00
Somers	15.76	10.76	5.00	4.51	0.49	5.00	5.00	5.00	5.00	5.00	0.00	0.00	0.00	0.00	0.00
South Windsor	14.93	10.60	4.34	3.09	1.25	4.34	4.34	4.34	4.34	4.34	0.00	0.00	0.00	0.00	0.00
Southington	14.82	10.74	4.08	3.65	0.43	4.08	4.08	4.08	4.08	4.08	0.00	0.00	0.00	0.00	0.00
Stafford	16.98	9.47	7.51	6.92	0.59	7.51	7.51	7.51	7.51	7.51	0.00	0.00	0.00	0.00	0.00
Stamford	16.91	20.45	-3.54	2.01	-5.55	-3.54	0.00	0.06	2.01	0.06	0.00	-3.54	-3.60	-5.55	-3.60
Stonington	15.59	18.92	-3.33	1.05	-4.38	-3.33	0.00	0.06	1.05	0.06	0.00	-3.33	-3.38	-4.38	-3.38
Stratford	16.23	11.29	4.95	3.62	1.32	4.95	4.95	4.95	4.95	4.95	0.00	0.00	0.00	0.00	0.00

Appendix Table 2
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						Negative Aid to Negative-gap Districts	Zero Aid to Negative-gap Districts	Minimum Aid	Holding Existing Aid Harmless	Minimum Aid and Maximum Aid	Negative Aid to Negative-gap Districts	Zero Aid to Negative-gap Districts	Minimum Aid	Holding Existing Aid Harmless	Minimum Aid and Maximum Aid
Suffield	15.02	11.66	3.36	3.66	-0.30	3.36	3.36	3.36	3.66	3.36	0.00	0.00	0.00	-0.30	0.00
Thomaston	16.54	9.96	6.58	7.15	-0.57	6.58	6.58	6.58	7.15	6.58	0.00	0.00	0.00	-0.57	0.00
Thompson	16.97	11.86	5.12	8.00	-2.88	5.12	5.12	5.12	8.00	5.12	0.00	0.00	0.00	-2.88	0.00
Tolland	14.11	9.04	5.07	4.56	0.50	5.07	5.07	5.07	5.07	5.07	0.00	0.00	0.00	0.00	0.00
Torrington	17.06	8.97	8.08	7.03	1.05	8.08	8.08	8.08	8.08	8.08	0.00	0.00	0.00	0.00	0.00
Trumbull	14.22	11.89	2.32	0.80	1.52	2.32	2.32	2.32	2.32	2.32	0.00	0.00	0.00	0.00	0.00
Vernon	17.23	10.94	6.29	6.73	-0.45	6.29	6.29	6.29	6.73	6.29	0.00	0.00	0.00	-0.45	0.00
Wallingford	15.09	12.61	2.48	4.27	-1.79	2.48	2.48	2.48	4.27	2.48	0.00	0.00	0.00	-1.79	0.00
Waterbury	22.20	6.33	15.87	8.71	7.16	15.87	15.87	15.87	15.87	15.00	0.00	0.00	0.00	0.00	0.87
Waterford	14.94	17.78	-2.84	0.37	-3.21	-2.84	0.00	0.06	0.37	0.06	0.00	-2.84	-2.90	-3.21	-2.90
Watertown	14.92	10.85	4.07	4.59	-0.52	4.07	4.07	4.07	4.59	4.07	0.00	0.00	0.00	-0.52	0.00
West Hartford	15.55	11.40	4.14	2.82	1.32	4.14	4.14	4.14	4.14	4.14	0.00	0.00	0.00	0.00	0.00
West Haven	18.52	8.49	10.03	8.59	1.44	10.03	10.03	10.03	10.03	10.03	0.00	0.00	0.00	0.00	0.00
Westbrook	16.62	23.50	-6.88	0.32	-7.20	-6.88	0.00	0.06	0.32	0.06	0.00	-6.88	-6.93	-7.20	-6.93
Weston	13.73	16.32	-2.59	0.42	-3.01	-2.59	0.00	0.06	0.42	0.06	0.00	-2.59	-2.65	-3.01	-2.65
Westport	14.15	28.87	-14.72	0.25	-14.98	-14.72	0.00	0.06	0.25	0.06	0.00	-14.72	-14.78	-14.98	-14.78
Wethersfield	15.35	10.53	4.82	3.45	1.37	4.82	4.82	4.82	4.82	4.82	0.00	0.00	0.00	0.00	0.00
Wilton	13.98	16.82	-2.84	0.56	-3.40	-2.84	0.00	0.06	0.56	0.06	0.00	-2.84	-2.89	-3.40	-2.89
Windham	22.09	7.43	14.66	10.15	4.51	14.66	14.66	14.66	14.66	14.66	0.00	0.00	0.00	0.00	0.00
Windsor	16.37	13.58	2.78	4.27	-1.49	2.78	2.78	2.78	4.27	2.78	0.00	0.00	0.00	-1.49	0.00
Windsor Locks	17.69	14.93	2.76	4.13	-1.37	2.76	2.76	2.76	4.13	2.76	0.00	0.00	0.00	-1.37	0.00
Wolcott	14.82	9.22	5.60	6.12	-0.52	5.60	5.60	5.60	6.12	5.60	0.00	0.00	0.00	-0.52	0.00

Source: Author's calculations

Notes: The student test performance target for each school district is assumed to be 51.3 percent of students meeting or exceeding the achievement standard. Property taxes are assumed to fund 55 percent of the statewide predicted cost. Under these assumptions, the "standard" property tax rate that is used to calculate property tax capacity is 0.86 percent. Post-aid gap per pupil is defined as cost-capacity gap per pupil minus state aid per pupil. Pseudo Regional 04 District consists of Regional School District 04, Chester, Deep River, and Essex School Districts. Pseudo Regional 05 District consists of Regional School District 05, Bethany, Orange, and Woodbridge School Districts. Pseudo Regional 07 District consists of Regional School District 07, Barkhamsted, Colebrook, New Hartford, and Norfolk School Districts. Pseudo Regional 08 District consists of Regional School District 08, Andover, Hebron, and Marlborough School Districts. Pseudo Regional 09 District consists of Regional School District 09, Easton, and Redding School Districts. Pseudo Regional 11 District consists of Regional School District 11, Chaplin, Hampton, and Scotland School Districts. Pseudo Regional 19 District consists of Regional School District 19, Ashford, Mansfield, and Willington School Districts. Due to missing data, 19 tuition-out districts and pseudo Regional District 01 (including Regional School District 01, Canaan, Cornwall, Kent, North Canaan, Salisbury, and Sharon School Districts) are excluded.

Appendix Table 3. Per Pupil Values of Gap- and Aid-related Variables by Connecticut School District in Fiscal Year 2019
(School Districts Ranked by Cost-capacity Gap from High to Low)

Rank	School District	Predicted Cost	Revenue Capacity	Cost-capacity Gap	Existing State Aid	Post-aid Gap after Existing Aid	State Aid Distributed by a Gap-based Formula with:					Post-aid Gap after State Aid Distributed by a Gap-based Formula with:				
							Negative Aid to Negative-gap Districts	Zero Aid to Negative-gap Districts	Minimum Aid	Holding Existing Aid Harmless	Minimum Aid and Maximum Aid	Negative Aid to Negative-gap Districts	Zero Aid to Negative-gap Districts	Minimum Aid	Holding Existing Aid Harmless	Minimum Aid and Maximum Aid
1	Hartford	26.24	7.30	18.94	14.81	4.13	18.94	18.94	18.94	18.94	15.00	0.00	0.00	0.00	0.00	3.94
2	New Britain	23.27	6.44	16.83	10.03	6.80	16.83	16.83	16.83	16.83	15.00	0.00	0.00	0.00	0.00	1.83
3	Waterbury	22.20	6.33	15.87	8.71	7.16	15.87	15.87	15.87	15.87	15.00	0.00	0.00	0.00	0.00	0.87
4	Windham	22.09	7.43	14.66	10.15	4.51	14.66	14.66	14.66	14.66	14.66	0.00	0.00	0.00	0.00	0.00
5	New Haven	23.01	8.51	14.49	10.09	4.40	14.49	14.49	14.49	14.49	14.49	0.00	0.00	0.00	0.00	0.00
6	Bridgeport	21.55	7.50	14.05	10.78	3.27	14.05	14.05	14.05	14.05	14.05	0.00	0.00	0.00	0.00	0.00
7	New London	21.54	8.60	12.94	11.01	1.93	12.94	12.94	12.94	12.94	12.94	0.00	0.00	0.00	0.00	0.00
8	East Hartford	20.10	8.14	11.96	8.43	3.53	11.96	11.96	11.96	11.96	11.96	0.00	0.00	0.00	0.00	0.00
9	Meriden	19.37	7.96	11.41	8.69	2.71	11.41	11.41	11.41	11.41	11.41	0.00	0.00	0.00	0.00	0.00
10	Ansonia	18.95	7.85	11.10	8.73	2.37	11.10	11.10	11.10	11.10	11.10	0.00	0.00	0.00	0.00	0.00
11	West Haven	18.52	8.49	10.03	8.59	1.44	10.03	10.03	10.03	10.03	10.03	0.00	0.00	0.00	0.00	0.00
12	Derby	20.17	10.31	9.86	7.46	2.40	9.86	9.86	9.86	9.86	9.86	0.00	0.00	0.00	0.00	0.00
13	Putnam	20.30	10.47	9.82	7.83	1.99	9.82	9.82	9.82	9.82	9.82	0.00	0.00	0.00	0.00	0.00
14	Naugatuck	17.16	7.70	9.46	7.36	2.10	9.46	9.46	9.46	9.46	9.46	0.00	0.00	0.00	0.00	0.00
15	Bristol	17.86	8.89	8.98	6.63	2.34	8.98	8.98	8.98	8.98	8.98	0.00	0.00	0.00	0.00	0.00
16	Griswold	17.71	8.89	8.82	6.57	2.25	8.82	8.82	8.82	8.82	8.82	0.00	0.00	0.00	0.00	0.00
17	Plainfield	16.58	8.25	8.33	7.43	0.90	8.33	8.33	8.33	8.33	8.33	0.00	0.00	0.00	0.00	0.00
18	Torrington	17.06	8.97	8.08	7.03	1.05	8.08	8.08	8.08	8.08	8.08	0.00	0.00	0.00	0.00	0.00
19	Stafford	16.98	9.47	7.51	6.92	0.59	7.51	7.51	7.51	7.51	7.51	0.00	0.00	0.00	0.00	0.00
20	Manchester	18.48	11.01	7.47	6.24	1.23	7.47	7.47	7.47	7.47	7.47	0.00	0.00	0.00	0.00	0.00
21	Plymouth	16.47	9.34	7.13	7.32	-0.19	7.13	7.13	7.13	7.32	7.13	0.00	0.00	0.00	-0.19	0.00
22	Enfield	16.60	9.77	6.83	6.16	0.67	6.83	6.83	6.83	6.83	6.83	0.00	0.00	0.00	0.00	0.00
23	Killingly	17.37	10.66	6.71	7.08	-0.37	6.71	6.71	6.71	7.08	6.71	0.00	0.00	0.00	-0.37	0.00
24	Thomaston	16.54	9.96	6.58	7.15	-0.57	6.58	6.58	6.58	7.15	6.58	0.00	0.00	0.00	-0.57	0.00
25	Ledyard	15.18	8.70	6.48	5.56	0.92	6.48	6.48	6.48	6.48	6.48	0.00	0.00	0.00	0.00	0.00
26	Danbury	17.39	11.07	6.32	3.62	2.70	6.32	6.32	6.32	6.32	6.32	0.00	0.00	0.00	0.00	0.00
27	Vernon	17.23	10.94	6.29	6.73	-0.45	6.29	6.29	6.29	6.73	6.29	0.00	0.00	0.00	-0.45	0.00
28	Plainville	16.97	10.88	6.09	5.34	0.75	6.09	6.09	6.09	6.09	6.09	0.00	0.00	0.00	0.00	0.00
29	Colchester	15.21	9.27	5.94	5.89	0.05	5.94	5.94	5.94	5.94	5.94	0.00	0.00	0.00	0.00	0.00
30	Ellington	14.61	8.78	5.83	4.01	1.81	5.83	5.83	5.83	5.83	5.83	0.00	0.00	0.00	0.00	0.00
31	East Haven	16.80	10.99	5.81	7.55	-1.74	5.81	5.81	5.81	7.55	5.81	0.00	0.00	0.00	-1.74	0.00
32	Seymour	15.61	9.91	5.70	5.11	0.59	5.70	5.70	5.70	5.70	5.70	0.00	0.00	0.00	0.00	0.00
33	Wolcott	14.82	9.22	5.60	6.12	-0.52	5.60	5.60	5.60	6.12	5.60	0.00	0.00	0.00	-0.52	0.00
34	Coventry	16.11	10.59	5.52	5.60	-0.09	5.52	5.52	5.52	5.60	5.52	0.00	0.00	0.00	-0.09	0.00
35	Regional 16	15.97	10.51	5.46	4.47	1.00	5.46	5.46	5.46	5.46	5.46	0.00	0.00	0.00	0.00	0.00
36	Pseudo Regional 19	16.53	11.27	5.26	3.38	1.88	5.26	5.26	5.26	5.26	5.26	0.00	0.00	0.00	0.00	0.00
37	East Hampton	15.47	10.31	5.16	4.17	0.99	5.16	5.16	5.16	5.16	5.16	0.00	0.00	0.00	0.00	0.00
38	Montville	15.89	10.76	5.13	6.30	-1.17	5.13	5.13	5.13	6.30	5.13	0.00	0.00	0.00	-1.17	0.00
39	Thompson	16.97	11.86	5.12	8.00	-2.88	5.12	5.12	5.12	8.00	5.12	0.00	0.00	0.00	-2.88	0.00
40	Middletown	17.34	12.23	5.11	5.67	-0.57	5.11	5.11	5.11	5.67	5.11	0.00	0.00	0.00	-0.57	0.00
41	Tolland	14.11	9.04	5.07	4.56	0.50	5.07	5.07	5.07	5.07	5.07	0.00	0.00	0.00	0.00	0.00
42	Pseudo Regional 08	15.00	9.96	5.04	2.27	2.77	5.04	5.04	5.04	5.04	5.04	0.00	0.00	0.00	0.00	0.00
43	Somers	15.76	10.76	5.00	4.51	0.49	5.00	5.00	5.00	5.00	5.00	0.00	0.00	0.00	0.00	0.00
44	Hamden	16.52	11.55	4.97	5.71	-0.74	4.97	4.97	4.97	5.71	4.97	0.00	0.00	0.00	-0.74	0.00
45	Stratford	16.23	11.29	4.95	3.62	1.32	4.95	4.95	4.95	4.95	4.95	0.00	0.00	0.00	0.00	0.00
46	Granby	14.33	9.46	4.87	3.62	1.25	4.87	4.87	4.87	4.87	4.87	0.00	0.00	0.00	0.00	0.00
47	Regional 10	15.80	10.93	4.87	3.40	1.47	4.87	4.87	4.87	4.87	4.87	0.00	0.00	0.00	0.00	0.00
48	Wethersfield	15.35	10.53	4.82	3.45	1.37	4.82	4.82	4.82	4.82	4.82	0.00	0.00	0.00	0.00	0.00

Appendix Table 3
(continued from previous page)

Rank	School District	Predicted Cost	Revenue Capacity	Cost-capacity Gap	Existing State Aid	Post-aid Gap after Existing Aid	State Aid Distributed by a Gap-based Formula with:					Post-aid Gap after State Aid Distributed by a Gap-based Formula with:				
							Negative Aid to Negative-gap Districts	Zero Aid to Negative-gap Districts	Minimum Aid	Holding Existing Aid Harmless	Minimum Aid and Maximum Aid	Negative Aid to Negative-gap Districts	Zero Aid to Negative-gap Districts	Minimum Aid	Holding Existing Aid Harmless	Minimum Aid and Maximum Aid
49	Bolton	15.44	10.66	4.79	4.28	0.50	4.79	4.79	4.79	4.79	4.79	0.00	0.00	0.00	0.00	0.00
50	Portland	15.29	10.70	4.59	4.02	0.57	4.59	4.59	4.59	4.59	4.59	0.00	0.00	0.00	0.00	0.00
51	Regional 13	16.75	12.20	4.55	3.58	0.97	4.55	4.55	4.55	4.55	4.55	0.00	0.00	0.00	0.00	0.00
52	Canton	15.73	11.20	4.53	3.05	1.48	4.53	4.53	4.53	4.53	4.53	0.00	0.00	0.00	0.00	0.00
53	North Stonington	16.65	12.17	4.49	3.75	0.74	4.49	4.49	4.49	4.49	4.49	0.00	0.00	0.00	0.00	0.00
54	Lebanon	16.57	12.17	4.40	5.76	-1.36	4.40	4.40	4.40	5.76	4.40	0.00	0.00	0.00	-1.36	0.00
55	South Windsor	14.93	10.60	4.34	3.09	1.25	4.34	4.34	4.34	4.34	4.34	0.00	0.00	0.00	0.00	0.00
56	Cromwell	15.81	11.57	4.24	3.19	1.05	4.24	4.24	4.24	4.24	4.24	0.00	0.00	0.00	0.00	0.00
57	West Hartford	15.55	11.40	4.14	2.82	1.32	4.14	4.14	4.14	4.14	4.14	0.00	0.00	0.00	0.00	0.00
58	Pseudo Regional 11	17.84	13.71	4.13	4.46	-0.33	4.13	4.13	4.13	4.46	4.13	0.00	0.00	0.00	-0.33	0.00
59	Southington	14.82	10.74	4.08	3.65	0.43	4.08	4.08	4.08	4.08	4.08	0.00	0.00	0.00	0.00	0.00
60	Watertown	14.92	10.85	4.07	4.59	-0.52	4.07	4.07	4.07	4.59	4.07	0.00	0.00	0.00	-0.52	0.00
61	Bethel	14.98	10.95	4.03	2.76	1.26	4.03	4.03	4.03	4.03	4.03	0.00	0.00	0.00	0.00	0.00
62	Newington	15.55	11.67	3.89	3.51	0.37	3.89	3.89	3.89	3.89	3.89	0.00	0.00	0.00	0.00	0.00
63	Simsbury	14.23	10.44	3.79	2.18	1.62	3.79	3.79	3.79	3.79	3.79	0.00	0.00	0.00	0.00	0.00
64	East Granby	15.48	11.83	3.65	2.36	1.29	3.65	3.65	3.65	3.65	3.65	0.00	0.00	0.00	0.00	0.00
65	Pseudo Regional 07	15.29	11.86	3.43	1.11	2.32	3.43	3.43	3.43	3.43	3.43	0.00	0.00	0.00	0.00	0.00
66	Suffield	15.02	11.66	3.36	3.66	-0.30	3.36	3.36	3.36	3.66	3.36	0.00	0.00	0.00	-0.30	0.00
67	Rocky Hill	15.47	12.18	3.30	1.90	1.40	3.30	3.30	3.30	3.30	3.30	0.00	0.00	0.00	0.00	0.00
68	East Windsor	16.99	13.84	3.15	6.16	-3.01	3.15	3.15	3.15	6.16	3.15	0.00	0.00	0.00	-3.01	0.00
69	Cheshire	14.43	11.42	3.01	2.40	0.61	3.01	3.01	3.01	3.01	3.01	0.00	0.00	0.00	0.00	0.00
70	New Milford	15.00	11.99	3.01	2.99	0.01	3.01	3.01	3.01	3.01	3.01	0.00	0.00	0.00	0.00	0.00
71	Monroe	14.68	11.75	2.93	2.08	0.86	2.93	2.93	2.93	2.93	2.93	0.00	0.00	0.00	0.00	0.00
72	Glastonbury	14.58	11.68	2.90	1.31	1.58	2.90	2.90	2.90	2.90	2.90	0.00	0.00	0.00	0.00	0.00
73	Regional 17	15.55	12.70	2.85	2.20	0.65	2.85	2.85	2.85	2.85	2.85	0.00	0.00	0.00	0.00	0.00
74	Groton	16.71	13.88	2.83	6.17	-3.34	2.83	2.83	2.83	6.17	2.83	0.00	0.00	0.00	-3.34	0.00
75	North Branford	14.65	11.85	2.80	4.71	-1.91	2.80	2.80	2.80	4.71	2.80	0.00	0.00	0.00	-1.91	0.00
76	Windsor	16.37	13.58	2.78	4.27	-1.49	2.78	2.78	2.78	4.27	2.78	0.00	0.00	0.00	-1.49	0.00
77	Windsor Locks	17.69	14.93	2.76	4.13	-1.37	2.76	2.76	2.76	4.13	2.76	0.00	0.00	0.00	-1.37	0.00
78	Wallingford	15.09	12.61	2.48	4.27	-1.79	2.48	2.48	2.48	4.27	2.48	0.00	0.00	0.00	-1.79	0.00
79	Bloomfield	17.70	15.36	2.34	6.09	-3.75	2.34	2.34	2.34	6.09	2.34	0.00	0.00	0.00	-3.75	0.00
80	Trumbull	14.22	11.89	2.32	0.80	1.52	2.32	2.32	2.32	2.32	2.32	0.00	0.00	0.00	0.00	0.00
81	Newtown	14.14	11.88	2.25	1.45	0.81	2.25	2.25	2.25	2.25	2.25	0.00	0.00	0.00	0.00	0.00
82	Regional 15	15.66	13.43	2.23	1.79	0.44	2.23	2.23	2.23	2.23	2.23	0.00	0.00	0.00	0.00	0.00
83	Berlin	15.10	13.11	1.99	2.84	-0.85	1.99	1.99	1.99	2.84	1.99	0.00	0.00	0.00	-0.85	0.00
84	Pseudo Regional 05	15.27	13.30	1.97	0.58	1.40	1.97	1.97	1.97	1.97	1.97	0.00	0.00	0.00	0.00	0.00
85	Oxford	14.91	13.00	1.92	2.59	-0.68	1.92	1.92	1.92	2.59	1.92	0.00	0.00	0.00	-0.68	0.00
86	East Haddam	15.26	13.45	1.81	3.70	-1.89	1.81	1.81	1.81	3.70	1.81	0.00	0.00	0.00	-1.89	0.00
87	Clinton	16.46	14.75	1.71	3.54	-1.83	1.71	1.71	1.71	3.54	1.71	0.00	0.00	0.00	-1.83	0.00
88	Regional 14	16.89	15.31	1.58	2.31	-0.73	1.58	1.58	1.58	2.31	1.58	0.00	0.00	0.00	-0.73	0.00
89	Avon	14.26	12.81	1.45	0.78	0.68	1.45	1.45	1.45	1.45	1.45	0.00	0.00	0.00	0.00	0.00
90	New Fairfield	14.20	12.79	1.41	1.81	-0.40	1.41	1.41	1.41	1.81	1.41	0.00	0.00	0.00	-0.40	0.00
91	East Lyme	15.04	13.91	1.13	2.56	-1.43	1.13	1.13	1.13	2.56	1.13	0.00	0.00	0.00	-1.43	0.00
92	Guilford	14.69	13.68	1.01	1.05	-0.04	1.01	1.01	1.01	1.05	1.01	0.00	0.00	0.00	-0.04	0.00
93	Farmington	14.44	13.98	0.46	0.66	-0.19	0.46	0.46	0.46	0.66	0.46	0.00	0.00	0.00	-0.19	0.00
94	North Haven	14.48	14.06	0.42	1.73	-1.31	0.42	0.42	0.42	1.73	0.42	0.00	0.00	0.00	-1.31	0.00
95	Brookfield	14.22	13.82	0.40	0.69	-0.29	0.40	0.40	0.40	0.69	0.40	0.00	0.00	0.00	-0.29	0.00
96	Norwalk	17.01	16.91	0.10	2.31	-2.21	0.10	0.10	0.10	2.31	0.10	0.00	0.00	0.00	-2.21	0.00
97	Litchfield	17.02	17.58	-0.56	1.60	-2.17	-0.56	0.00	0.06	1.60	0.06	0.00	-0.56	-0.62	-2.17	-0.62

Appendix Table 3
(continued from previous page)

Rank	School District	Predicted Cost	Revenue Capacity	Cost-capacity Gap	Existing State Aid	Post-aid Gap after Existing Aid	State Aid Distributed by a Gap-based Formula with:					Post-aid Gap after State Aid Distributed by a Gap-based Formula with:				
							Negative Aid to Negative-gap Districts	Zero Aid to Negative-gap Districts	Minimum Aid	Holding Existing Aid Harmless	Minimum Aid and Maximum Aid	Negative Aid to Negative-gap Districts	Zero Aid to Negative-gap Districts	Minimum Aid	Holding Existing Aid Harmless	Minimum Aid and Maximum Aid
98	Shelton	14.98	15.75	-0.77	1.70	-2.47	-0.77	0.00	0.06	1.70	0.06	0.00	-0.77	-0.82	-2.47	-0.82
99	Pseudo Regional 09	15.50	16.57	-1.07	0.46	-1.52	-1.07	0.00	0.06	0.46	0.06	0.00	-1.07	-1.12	-1.52	-1.12
100	Ridgefield	14.08	15.18	-1.10	0.46	-1.57	-1.10	0.00	0.06	0.46	0.06	0.00	-1.10	-1.16	-1.57	-1.16
101	Pseudo Regional 04	15.89	17.77	-1.88	0.80	-2.68	-1.88	0.00	0.06	0.80	0.06	0.00	-1.88	-1.94	-2.68	-1.94
102	Madison	13.98	16.28	-2.30	0.53	-2.83	-2.30	0.00	0.06	0.53	0.06	0.00	-2.30	-2.35	-2.83	-2.35
103	Weston	13.73	16.32	-2.59	0.42	-3.01	-2.59	0.00	0.06	0.42	0.06	0.00	-2.59	-2.65	-3.01	-2.65
104	Milford	15.22	17.84	-2.62	2.14	-4.76	-2.62	0.00	0.06	2.14	0.06	0.00	-2.62	-2.68	-4.76	-2.68
105	Fairfield	14.40	17.21	-2.81	0.51	-3.32	-2.81	0.00	0.06	0.51	0.06	0.00	-2.81	-2.86	-3.32	-2.86
106	Waterford	14.94	17.78	-2.84	0.37	-3.21	-2.84	0.00	0.06	0.37	0.06	0.00	-2.84	-2.90	-3.21	-2.90
107	Wilton	13.98	16.82	-2.84	0.56	-3.40	-2.84	0.00	0.06	0.56	0.06	0.00	-2.84	-2.89	-3.40	-2.89
108	Stonington	15.59	18.92	-3.33	1.05	-4.38	-3.33	0.00	0.06	1.05	0.06	0.00	-3.33	-3.38	-4.38	-3.38
109	Branford	15.89	19.25	-3.35	1.11	-4.46	-3.35	0.00	0.06	1.11	0.06	0.00	-3.35	-3.41	-4.46	-3.41
110	Stamford	16.91	20.45	-3.54	2.01	-5.55	-3.54	0.00	0.06	2.01	0.06	0.00	-3.54	-3.60	-5.55	-3.60
111	Regional 18	17.58	24.25	-6.67	0.44	-7.11	-6.67	0.00	0.06	0.44	0.06	0.00	-6.67	-6.72	-7.11	-6.72
112	Regional 06	17.19	23.95	-6.76	1.11	-7.87	-6.76	0.00	0.06	1.11	0.06	0.00	-6.76	-6.82	-7.87	-6.82
113	Westbrook	16.62	23.50	-6.88	0.32	-7.20	-6.88	0.00	0.06	0.32	0.06	0.00	-6.88	-6.93	-7.20	-6.93
114	Old Saybrook	15.70	26.01	-10.31	0.48	-10.79	-10.31	0.00	0.06	0.48	0.06	0.00	-10.31	-10.37	-10.79	-10.37
115	Darien	14.66	27.16	-12.50	0.83	-13.33	-12.50	0.00	0.06	0.83	0.06	0.00	-12.50	-12.56	-13.33	-12.56
116	New Canaan	14.02	26.77	-12.75	0.36	-13.11	-12.75	0.00	0.06	0.36	0.06	0.00	-12.75	-12.80	-13.11	-12.80
117	Westport	14.15	28.87	-14.72	0.25	-14.98	-14.72	0.00	0.06	0.25	0.06	0.00	-14.72	-14.78	-14.98	-14.78
118	Regional 12	17.24	49.83	-32.58	0.17	-32.75	-32.58	0.00	0.06	0.17	0.06	0.00	-32.58	-32.64	-32.75	-32.64
119	Greenwich	14.79	52.66	-37.86	0.19	-38.06	-37.86	0.00	0.06	0.19	0.06	0.00	-37.86	-37.92	-38.06	-37.92

Source: Author's calculations

Notes: The student test performance target for each school district is assumed to be 51.3 percent of students meeting or exceeding the achievement standard. Property taxes are assumed to fund 55 percent of the statewide predicted cost. Under these assumptions, the "standard" property tax rate that is used to calculate property tax capacity is 0.86 percent. Post-aid gap per pupil is defined as cost-capacity gap per pupil minus state aid per pupil. Pseudo Regional 04 District consists of Regional School District 04, Chester, Deep River, and Essex School Districts. Pseudo Regional 05 District consists of Regional School District 05, Bethany, Orange, and Woodbridge School Districts. Pseudo Regional 07 District consists of Regional School District 07, Barkhamsted, Colebrook, New Hartford, and Norfolk School Districts. Pseudo Regional 08 District consists of Regional School District 08, Andover, Hebron, and Marlborough School Districts. Pseudo Regional 09 District consists of Regional School District 09, Easton, and Redding School Districts. Pseudo Regional 11 District consists of Regional School District 11, Chaplin, Hampton, and Scotland School Districts. Pseudo Regional 19 District consists of Regional School District 19, Ashford, Mansfield, and Willington School Districts. Due to missing data, 19 tuition-out districts and pseudo Regional District 01 (including Regional School District 01, Canaan, Cornwall, Kent, North Canaan, Salisbury, and Sharon School Districts) are excluded.