Introduction to Cost Factor Adjustments

House Committee on Appropriations

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April 12, 2022



Overview

Broad overview of cost factor adjustments



Cost factor adjustments in words

- Like pupil weights, cost factor adjustments account for potential higher costs to schools with certain demographic characteristics
- Cost factor adjustments are set payments allocated to each district to account for the portion of students in a certain demographic category
 - Cost factor adjustment categories correspond to the same categories used for pupil weights and are calculated with the same base student counts
 - Cost factor adjustments are offsetting revenues for school districts



Cost factor adjustments (proposed by Kolbe et. al., January 2022)

	Cost factor	FY2023 Cost Adjustment
1	Student Need	
2	Poverty	\$10,480
3	ELL	\$25,335
4	Grade Level	
5	Middle School (6-8)	\$3,663
6	High School (9-12)	\$3,968
7	Small School	
8	<100 pupils	\$2,137
9	100-250 pupils	\$712
10	Population density (Persons per Square Mile)	
11	<36 per square mile	\$1,526
12	36-<55 per square mile	\$1,221
13	55-<100 per square mile	\$712

Reminder: Calculating tax rates under current law

Recall calculation of tax rates in current law:

Spending adjusted property tax rate = $$1.00 \times \frac{per\ pupil\ spending}{}$ property vield

Spending adjusted income tax rate = $2\% \times \frac{per\ pupil\ spending}{.}$

income vield

Education Spending Per pupil spending =Equalized pupils

Education Spending =

*Total voted education budget**

- Federal categorical aid
- State categorical aid
- Tuition revenues
- Prior year surpluses or deficits
- Reserve funds



Note:* This includes the voter approved budget plus any separately warned articles approved by the voters

Calculating tax rates: Changes with cost factor adjustments

- Cost factor adjustments reduce education spending
 - · Cost factor adjustments are "taken off the top" of the Education Fund

 $Education\ Spending =$

*Total voted education budget**

- Cost factor adjustments
- Federal categorical aid
- State categorical aid
- Tuition revenues
- Prior year surpluses or deficits
- Reserve funds
- Equalized Pupils are no longer used
 - Because cost factor adjustments would account for higher cost students, there would be <u>no pupil</u> weights and <u>no equalized pupils</u>
 - Instead of Equalized Pupils, Long-term Average Daily Membership (LT ADM) would be used to calculate tax rates

Note: * This includes the voter approved budget plus any separately warned articles approved by the voters

Calculating tax rates with cost factor adjustments

- Cost factor adjustments directly affect per pupil spending through LT ADM and Education Spending
- Cost factor adjustments also indirectly affect the yield

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Spending adjusted property tax rate = $1.00 \times \frac{per\ pupil\ spending}{property\ yield}
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Spending adjusted income tax rate = $2\% \times \frac{per\ pupil\ spending}{income\ yield}$

Education Spending =
Total voted education budget

- Cost factor adjustments
- Federal categorical aid
- State categorical aid
- Tuition revenues
- Prior year surpluses or deficits
- Reserve funds

Note: * This includes the voter approved budget plus any separately warned articles approved by the voters

Examples



Example #1:

Two districts have the same total voted education budgets and different spending adjusted tax rates



Example #1: District A and District B

- 2 Districts District A and District B¹
- Both districts have the same total voted education budget, the same level of categorical aid, and the same LT ADM
- The districts have different numbers of pupils within cost factor categories

			District A	[District B
1	Long-term Average Daily Membership (LT ADM)		500		500
2	Total voted education budget ²	\$	12,000,000	\$	12,000,000
3	Offsetting revenues (categorical aid, etc.)	\$	2,000,000	\$	2,000,000
4	Cost factor adjustments	Calculated on next slides			
5	Local Education Spending	Calculated on next slides			

Notes: 1) These districts are fictional, and have been created solely for exemplary purposes, 2) This includes the voter approved budget plus any separately warned articles approved by the voters

Example #1: Calculating cost adjustments

			District A		District B	
1	Cost factor	FY2023 Cost adjustment	Number of LT ADM	Cost factor adjustment	Number of LT ADM	Cost factor adjustment
2	Student Need					
3	Poverty	\$10,480	15	\$157,200	55	\$ 576,400
4	ELL	\$25,335	5	\$126,675	2	\$50,670
5	Grade Level					
6	Middle School (6-8)	\$3,663	22	\$80,586	22	\$ 80,586
7	High School (9-12)	\$3,968	50	\$198,400	50	\$ 198,400
8	Small School (based on school enrollment)					
9	<100 pupils	\$2,137	0	\$ -	200	\$ 427,400*
10	100-250 pupils	\$712	0	\$ -	0	\$ -
	Population density					
11	(Persons per Square Mile)					
12	<36 per square mile	\$1,526	0	\$ -	500	\$763,000
13	36-<55 per square mile	\$1,221	0	\$ -	0	\$ -
	55-<100 per square mile	\$712	0	\$ -	0	\$ -
14 15	Total cost factor adjustments:			\$562,861		\$2,096,456

^{*} This example assumes that there are >2 schools in this district within the small school (<100 pupils) cost factor category

Example #1: District A and District B cont.

		District A	District B
1	Total voted education budget*	\$12,000,000	\$12,000,000
2	All offsetting revenues (categorical aid, etc.)	\$2,000,000	\$2,000,000
3	Cost factor adjustments (Calculated on previous slide)	\$562,861	\$2,096,456
4	Local education spending (Local ed spending = Line 1 – Line 2 – Line 3)	\$9,437,139	\$7,903,544
5	LT ADM	500	500
6	Local education spending per pupil (Local ed spending per pupil = Line 4 / Line 5)	\$18,874	\$15,807

Assume:

- Both districts have the same total voted budget and use cost factor adjustments to reduce tax rates
- Statewide property yield = \$11,000
- Statewide income yield = \$13,500

Note: * This includes the voter approved budget plus any separately warned articles approved by the voters

Example #1: Calculating tax rates

Recall:

Spending adjusted property tax rate = $$1.00 \times \frac{per\ pupil\ spending}{property\ vield}$

Spending adjusted income tax rate = $2\% \times \frac{per\ pupil\ spending}{income\ yield}$

District A:

Spending adjusted property tax rate = $$1.00 \times \frac{$18,874}{$11.000} = 1.72

Spending adjusted income tax rate = $2\% \times \frac{$18,874}{$13.500} = 2.80\%$

District B:

Spending adjusted property tax rate = $$1.00 \times \frac{$15,807}{$11,000} = 1.44

Spending adjusted income tax rate = $2\% \times \frac{\$15,807}{\$13,500} = 2.34\%$

Example #1: Summary

- In this example, District A and District B have the same total voted education budgets*. The districts have different education spending per pupil, and different spending adjusted property and income tax rates.
 - This is possible because District A and District B have different portions of students in certain demographic categories and thus different levels of cost factor adjustments subtracted from the total voted education budgets*

Example #2:

Two districts have different total voted education budgets and the same spending adjusted tax rates



Example #2: District A and District B

- 2 Districts District A and District B¹
- Both districts have the same level of categorical aid, the same total long-term average daily membership (LT ADM), and the same local education spending
- The districts have different total voted education budget, and different numbers of pupils within cost factor categories

		District A	District B	
1	Total long-term average daily membership (LT ADM)	500	500	
2	Total voted education budget ²	\$11,087,861	\$12,621,456	
3	Offsetting revenues (categorical aid, etc.)	\$2,000,000	\$2,000,000	
4	Cost factor adjustments	Calculated on next slides		
5	Local education spending	\$8,525,000	\$8,525,000	
6	Local Education spending per pupil (Local ed spending per pupil = Line 5 / Line 1)	\$17,050	\$17,050	



¹⁾ These districts are fictional, and have been created solely for exemplary purposes

²⁾ This includes the voter-approved budget plus any separately warned articles approved by the voters

Example #2: Calculating cost adjustments

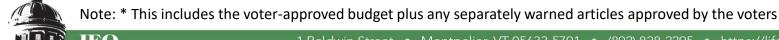
			District A		District B	
1	Cost factor	FY2023 Cost adjustment	LT ADM	Cost factor adjustment	LT ADM	Cost factor adjustment
2	Student Need					
3	Poverty	\$10,480	15	\$157,200	55	\$ 576,400
4	ELL	\$25,335	5	\$126,675	2	\$50,670
5	Grade Level					
6	Middle School (6 - 8)	\$3,663	22	\$80,586	22	\$ 80,586
7	High School (9 - 12)	\$3,968	50	\$198,400	50	\$ 198,400
8	Small School					
9	<100 pupils	\$2,137	0	\$ -	200	\$ 427,400
10	100 - 250 pupils	\$712	0	\$ -	0	\$ -
11	Population density (Persons per square mile)					
12	<36 per square mile	\$1,526	0	\$ -	500	\$763,000
13	36 - <55 per square mile	\$1,221	0	\$ -	0	\$ -
14	55 - <100 per square mile	\$712	0	\$ -	0	\$ -
15	Total cost factor adjustments:			\$562,861		\$2,096,456

Example #2: District A and District B cont.

		District A	District B
1	Total voted education budget*	\$11,087,861	\$12,621,456
2	All offsetting revenues (categorical aid, etc.)	\$2,000,000	\$2,000,000
3	Cost factor adjustments (Calculated on previous slide)	\$562,861	\$2,096,456
4	Local education spending (Local education spending = Line 1 – Line 2 – Line 3)	\$8,525,000	\$8,525,000
5	LT ADM	500	500
6	Local education spending per pupil (Local ed spending per pupil = Line 4 / Line 5)	\$17,050	\$17,050

Assume:

- Both districts have the same local education spending per pupil and use cost factor adjustments to address higher costs associated with certain demographic characteristics
- Statewide property yield = \$11,000
- Statewide income yield = \$13,500



Example #2: Calculating tax rates

Recall:

Spending adjusted property tax rate =
$$$1.00 \times \frac{per\ pupil\ spending}{property\ yield}$$

Spending adjusted income tax rate = $2\% \times \frac{per\ pupil\ spending}{income\ yield}$

District A:

Spending adjusted property tax rate =
$$$1.00 \times \frac{$17,050}{$11,000} = $1.55$$

Spending adjusted income tax rate =
$$2\% \times \frac{\$17,050}{\$13,500} = 2.53\%$$

District B:

Spending adjusted property tax rate =
$$$1.00 \times \frac{$17,050}{$11,000} = $1.55$$

Spending adjusted income tax rate =
$$2\% \times \frac{\$17,050}{\$13,500} = 2.53\%$$

Example #2: Summary

- In this example, District A and District B have the same education spending per pupil, and the same spending adjusted property and income tax rates. The districts have different total voted education budgets*
 - This is possible because District A and District B have different portions of students in certain demographic categories and thus different levels of cost factor adjustments subtracted from the total voted education budgets*
 - For the same tax rate, District B has more money to spend in accordance with its demographics

In summary

- What are cost factor adjustments?
 - Cost factor adjustments are set payments allocated to each district to account for the portion of students in a certain demographic category
- How would the calculation of tax rates change with cost factor adjustments?
 - Many aspects would not change
 - Districts would still have voter approved school budgets
 - Districts would still subtract offsetting revenues from total voted education budget
 - Remaining education spending per pupil would still be funded through spending-adjusted tax rates
 - Changes to current law:
 - Cost factor adjustments would be included in offsetting revenues
 - Education spending per pupil would be calculated with Long-term Average Daily Membership (LT ADM), and not with equalized pupils



Questions?

