Appendix A Dr. R.C. Wood's slide show/ text of full final report

Financing Missouri's Public Elementary & Secondary Schools: Preliminary Report

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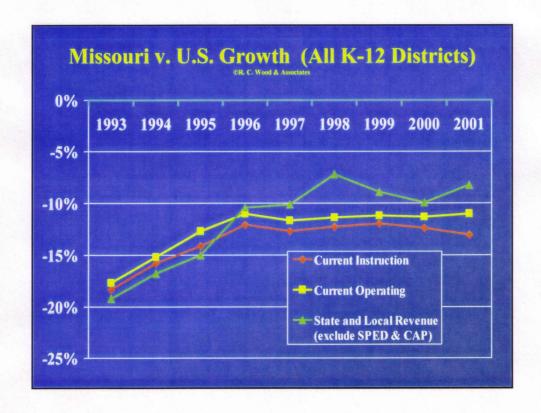
Principal Investigators

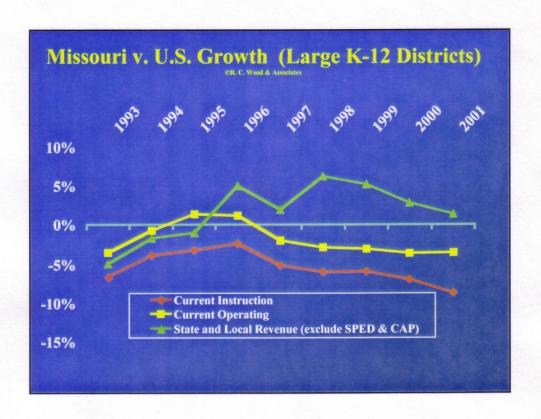
Dr. Craig Wood, University of Florida

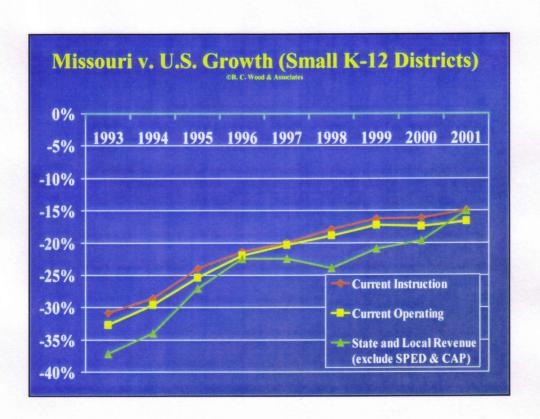
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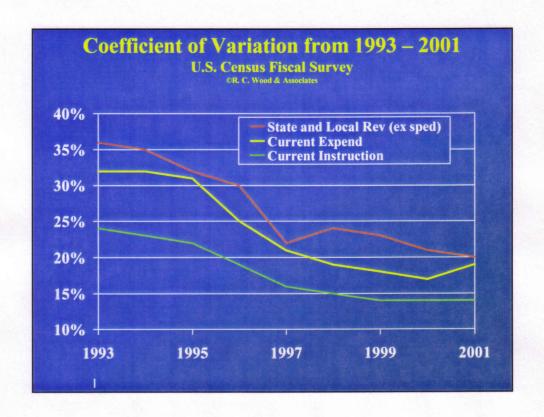
Steven Smith, National Conference of State Legislatures

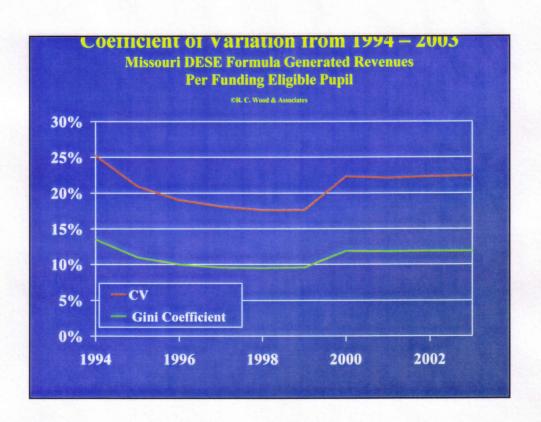
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Summary of Trends & Issues

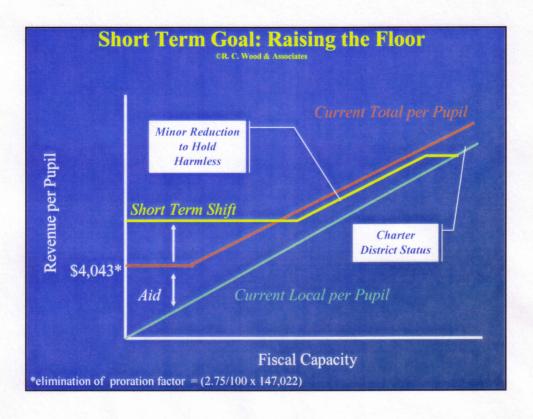
- Significant improvements to equity through 1990s with some backsliding from 1999 2003
- Improvements to fiscal neutrality in the 1990s with some recent backsliding
- · Current Major GAPS in Funding
 - Small to midsized districts, especially those with higher poverty and lower taxable wealth
 - · Consists of small, poor rural and poor urban fringe

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Long Term Goal: Basic Concept From Tax Rate Driven to Cost/Need/Student Driven Aid

- Tier I: Cost adjusted general education aid per pupil
 - Basic (Median) Cost = Cost of achieving desired performance outcomes in district of average characteristics
 - Cost adjustments (to general aid formula)
 - Student Needs
 - Economic Disadvantage
 - Language Proficiency Status
 - High Incidence/Low Severity Disability
 - District Needs
 - Economies of scale & sparsity
 - Geographic variations in competitive market prices (teacher wages etc.)
- Tier II: Local option to supplement with matching aid from state (adjusted for capacity & cost)

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Option I: Hold Costs Constant at 2002 – 03 levels (simulating actual current year '03 – '04)

- Budget Constraint = \$ 1.966 billion
 - Total State Aid 2002 2003
 - Exclusions: Charter districts, federal lands, St. Louis special district
- Major Parameters
 - GTB = 151,200
 - Base Levy = 2.75
 - Poverty Weight = 50%
 - Elimination of Proration factor
- Other Changes
 - Revert to 1.0 x Summer ADA (net gain = \$22 million)
 - Prior year actual assessed value for local effort (net gain = \$28 million)
 - Actual rather than equalized levy (net gain = \$18 million)
 - Line 3,4,8,9 of deductions collected to state (net gain = \$129 million)

Option I: Hold Costs Constant at 2002 – 03 levels (simulating current year 2003 – 04)

- Other changes (cont'd)
 - Hold Harmless set at retaining 95 % of 2002 2003 state aid
 - Net gain = \$ 53 million.
 - Charter district status eligibility
 - Districts with <7.5 % of budget from state general aid & for which the cost of making up that difference is <20cents of additional local levy
 - Net gain = \$8.75 million

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Costs of Option I

Revenue Generated by Deductions	March 201	
Line 3: Intangible	\$	38.17
Line 4: RR and Util	\$	112.84
Line 5:	\$	
Line 6: Impact Aid	\$	
Line 7: Prop C	\$	
Line 8: Fair Share	\$	22.43
Line 9: Textbook	\$	70.09
Total Revenue from Recollected Deductions	\$	243.53
Total State Cost with HH (retain deduct)	\$	2,101
Total State Cost with HH (distrib deduct)	\$	2,220
State Cost Less Deduction Redistribution	\$	1,976
Total State Cost Less Charter	\$	1,967
Total State Aid 2002 - 03	\$	1,966
Dollar Change from 2002 - 03	\$	0.88
Percent Change		0.04%

Related Costs of Option 1

Related Costs of Hold Harmless 95 % of 02-03 Data

Number of HH districts (redistribute deducts) = #151

Costs of HH harmless (redistribute deducts) = \$ 414 million

Urban Safety Valve Costs = \$ 13.36 million (costs of protecting St. Louis & KC against loss) (not included)

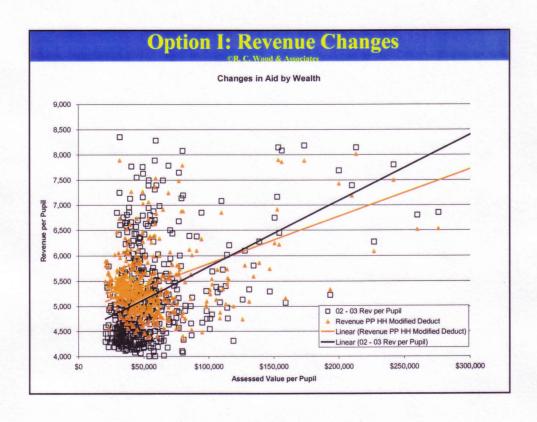
Local Taxes Required to Offset HH Reduction Max Rate to Offset \$ 0.99 Mean Rate to Offset \$ 0.09

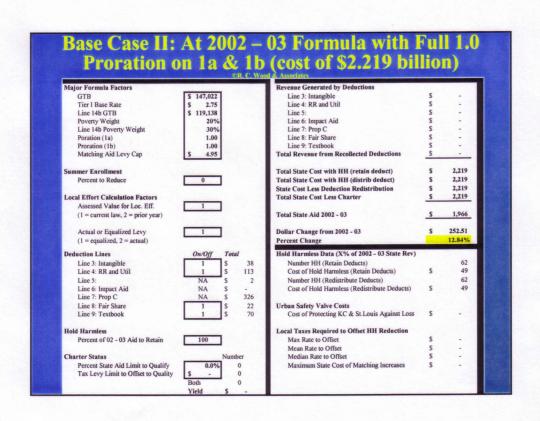
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Equity Changes (option 1)

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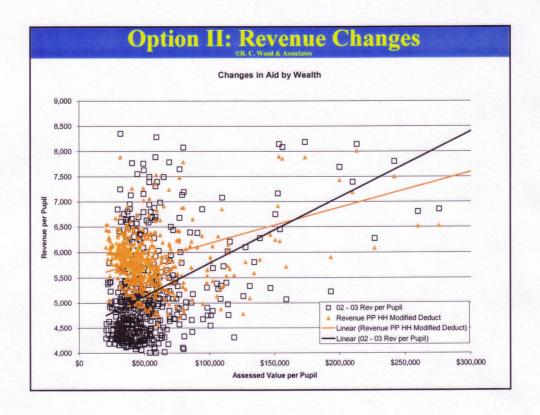
Equity Output							
	2002 - 03	New Formula					
Mean	\$	5,570	\$	5,648			
Stdev	\$	1,181	\$	984			
CV		21%		17%			
95%ile		\$8,082	\$	7,789			
5%ile		\$4,178	\$	4,625			
FRR		0.93		0.68			
McLoone		0.88		0.93			
GINI		0.12		0.09			





	CR.C.W		NAME OF TAXABLE PARTY.	
		Revenue Generated by Deductions		
\$ 168,000		Line 3: Intangible	S	38.17
\$ 2.75		Line 4: RR and Util	S	112.84
		Line 5:	S	
50%		Line 6: Impact Aid	\$	-
		Line 7: Prop C	S	
1.00		Line 8: Fair Share	S	22.43
	Piles No. 1991	Line 9: Textbook	\$	70.09
		Total Revenue from Recollected Deductions	\$	243.53
		Total State Cost with HH (retain deduct)	5	2,323
50		Total State Cost with HH (distrib deduct)	\$	2,472
	-	State Cost Less Deduction Redistribution	S	2,228
		Total State Cost Less Charter	S	2,219
2	1			
		Total State Aid 2002 - 03	S	1,966
2	1	Dollar Change from 2002 - 03	s	252.86
		Percent Change		12.86%
On/Off	Total	Hold Harmless Data (X% of 2002 - 03 State Rev)		
0	\$ 38	Number HH (Retain Deducts)		132
0	\$ 113	Cost of Hold Harmless (Retain Deducts)	S	314
NA	S 2	Number HH (Redistribute Deducts)		87
NA	S -	Cost of Hold Harmless (Redistribute Deducts)	S	239
NA	\$ 326			
0	S 22	Urban Safety Valve Costs		
0	\$ 70	Cost of Protecting KC & St.Louis Against Loss	S	13.36
		Local Taxes Required to Offset HH Reduction		
95	1	Max Rate to Offset	S	0.99
	1000		S	0.05
	Number		S	100
7.5%		Maximum State Cost of Matching Increases	S	
			-	THE PERSON NAMED IN
\$ 0.20 Both				
	\$ 2.75 50% 1.00 2 2 0n/Off 0 0 NA NA NA O	\$ 168,000 \$ 2.75 50% 1.00 2 On/Off Total 0 \$ 38 0 \$ 113 NA \$ 2 NA \$ - NA \$ 326 0 \$ 320 0 \$ 70	Revenue Generated by Deductions	S 168,000 C Line 3: Intangible S Line 4: Rx and Util S Line 5: So% Line 6: Impact Aid S Line 7: Prop C S Line 8: Fair Share Line 9: Textbook S Total State Cost with HH (retain deduct) S Total State Cost with HH (distrib deduct) S State Cost Less Deduction Redistribution S S S S Cost Cost Less Charter S S S S S S S S S

Equity Outp	ut			
	2002 - 03		New	Formula
Mean	\$	5,570	\$	5,944
Stdev	\$	1,181	\$	856
CV		21%		14%
95%ile		\$8,082	\$	7,789
5%ile		\$4,178	\$	4,979
FRR		0.93		0.56
McLoone	•	0.88		0.94
GINI		0.12		0.07



Components To Be Phased In (e.g., 3 - 5 Years)

- Categorical Funding in yr 1
 - Group 1: Fold into general to increase GTB
 - Group 2: Fold into general to increase poverty adjustment in yr. 1
 - E.g., Remedial reading
 - Group 3: Flow thru's in yr. 1 (Phase out/in in new formula)
 - Special Education
 - Transportation
 - Vocational
 - · Beginning of Capital Outlay Formula

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Phase In Analysis (3-5 Years)

- Statistical analysis for "Cost Adjusted Tier I Aid"
 - Development of "comprehensive cost index" measuring "relative cost to achieve adequate outcomes in a school with X,Y, & Z characteristics, serving students with A,B, & C characteristics."
 - Rigorous empirical analysis to determine the relative cost to each district of recruiting teachers of comparable quality
 - NCES index fails in this regard
 - Housing cost indices using district level data insufficient
 - Rigorous empirical analysis of costs associated with scale and sparsity (and policy considerations regarding districts small by necessity and districts small by choice)
 - Evaluation of the use of U.S. Census & other Missouri economic demographic data to predict local student needs (poverty, language proficiency & mild/mod disability) rather than relying on district headcount
 - May reduce headcount incentives that often occur in need based $\Delta 2$ -22-04 Δ aid formulas