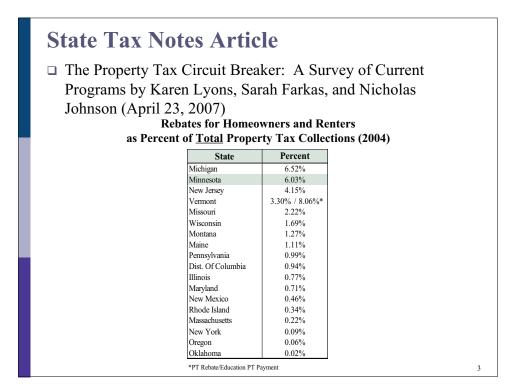
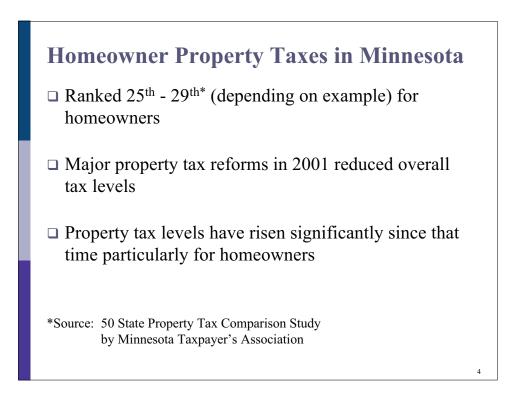
## Minnesota's Modeling of Circuit Breaker Expansions

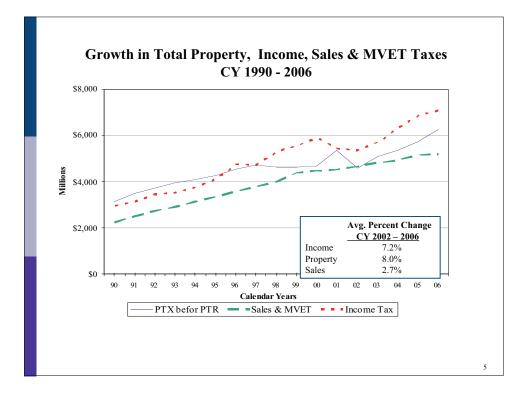
Federation of Tax Administrators Revenue Estimating and Tax Research Conference September 18, 2007 Raleigh, North Carolina

> By Rod Hoheisel Minnesota Department of Revenue rod.hoheisel@state.mn.us

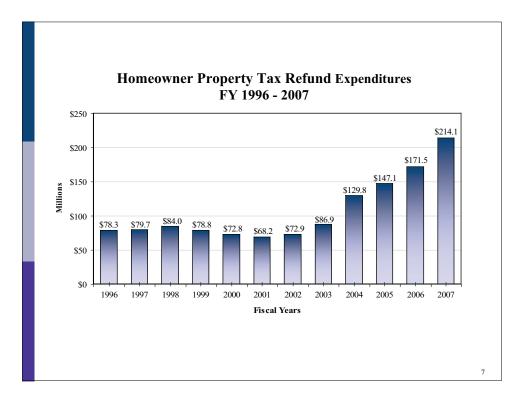
# **Revenue Estimating Issues for Circuit Breaker Expansions**Several proposals for major expansions of the homeowner circuit breaker program were made in the 2007 Legislative session Background for proposals and current program Difficult revenue estimating issues due to data and modeling limitations for major expansions

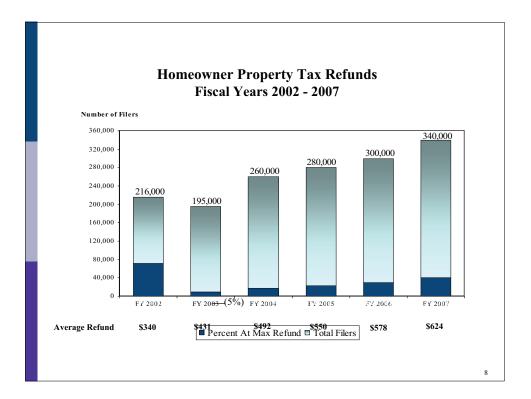






Р	ay 2002 and (\$ 000	•	
Property Class	Total Net Tax Pay 02	Total Net Tax Pay 07	Average Annual Percent Change 2002-07
Homestead	\$1,867,123	\$3,225,086	11.6%
Non-Homestead	152,571	412,531	22.0%
Apartments	262,745	276,393	1.0%
Seasonal Recreational	123,737	193,322	9.3%
Commercial/Industrial	1,683,595	2,051,211	4.0%
Public Utility	221,244	216,885	-0.4%
Agriculture	275,398	406,971	8.1%
Total	\$4,586,413	\$6,782,399	8.1%







- Based on household income and amount of property tax paid on your principal home
- Homeowners qualify if total household income, after deductions for dependents, is less than \$91,120 for 2006 (adjusted for inflation annually)

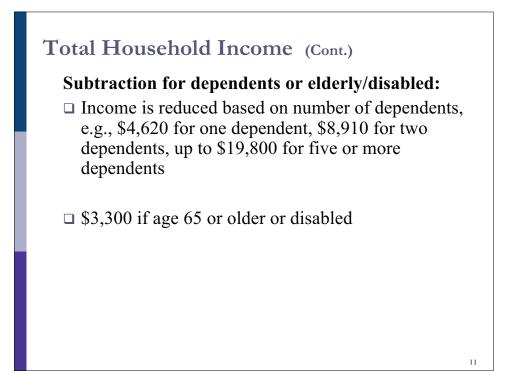
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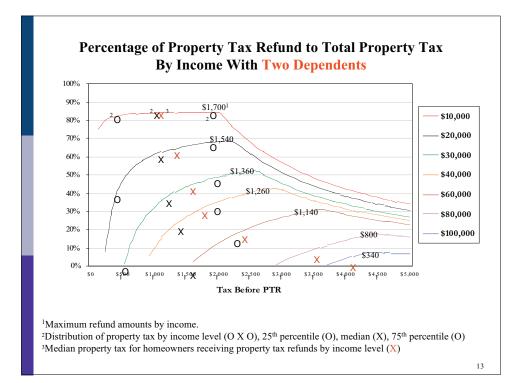
### **Total Household Income**

#### Sum of:

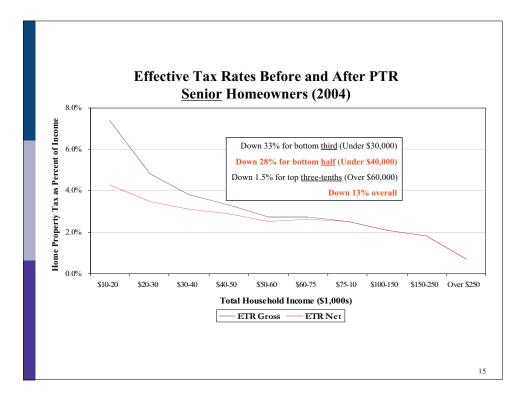
- □ FAGI
- Nontaxable social security or railroad retirement benefits
- Deductions for payments to IRA's, Keogh, SEP plans, and contributions to 401K and deferred compensation plans
- Welfare payments, workers' compensation and veterans' benefits

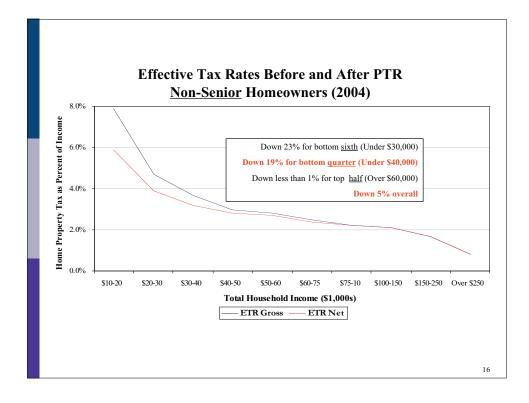


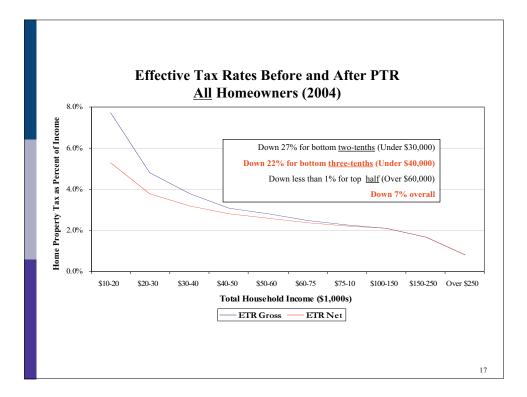
Homeowner Schedule for 2006 By Various Income Levels						
	Step 1	Step 2	Step 3			
Household Income	Homeowner Pays	Refund Equals	To Maximum			
After Subtractions	100% of Tax Up to	this Percent of Tax	Refund			
Examples	this Percent of Income	(over step one)	Amount of:			
\$1,000	1.0%	85%	\$1,700			
\$8,000	1.5%	80%	\$1,600			
\$16,000	2.0%	70%	\$1,420			
\$27,000	2.5%	60%	\$1,300			
\$52,000	3.0%	55%	\$1,140			
\$67,000	3.5%	50%	\$920			
\$80,000	4.0%	50%	\$680			
\$90,000	4.0%	50%	\$340			

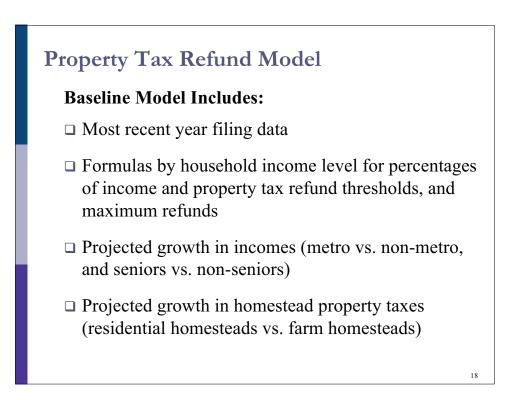


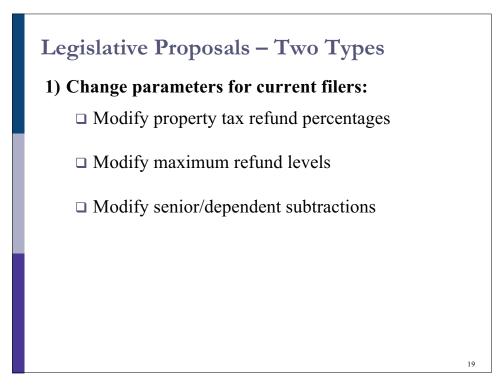
			Percent	Average		Average	PTX - Income	PTX - Income	Number	Percent
Gross	Income		of	Tax	Average	Tax	Ratio	Ratio	at	at
Cate	egory	Filers	Filers	Before PTR	Refund	After PTR	without PTR	after PTR	Maximum	Maximu
φŪ	- \$10,000	23,400	7%	\$1,450	\$940	\$510	26.8%	9.4%	5,420	23%
+,	- \$ 20,000	52,600	15%	1,410	800	610	9.2%	3.9%	7,860	15%
	- \$ 30,000	63,600	19%	1,650	690	960	6.6%	3.8%	7,390	12%
,	- \$40,000	65,800	19%	1,890	600	1,290	5.4%	3.7%	6,080	9%
	- \$ 50,000	57,400	17%	2,140	530	1,610	4.8%	3.6%	5,020	9%
	- \$ 60,000	40,300	12%	2,460	480	1,980	4.5%	3.6%	3,950	10%
	- \$ 70,000	23,000	7%	2,890	440	2,450	4.5%	3.8%	2,870	12%
	- \$ 80,000	10,600	3%	3,520	420	3,100	4.7%	4.2%	1,860	17%
	or more	6,500	2%	4,190	340	3,850	4.8%	4.4%	2,150	33%
Total		343,200	100%	\$2,010	\$620	\$1,390	5.5%	3.8%	42,580	12%

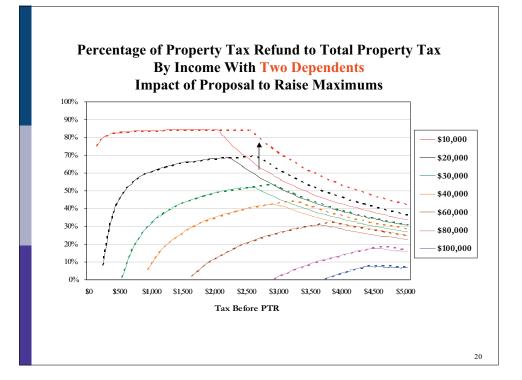


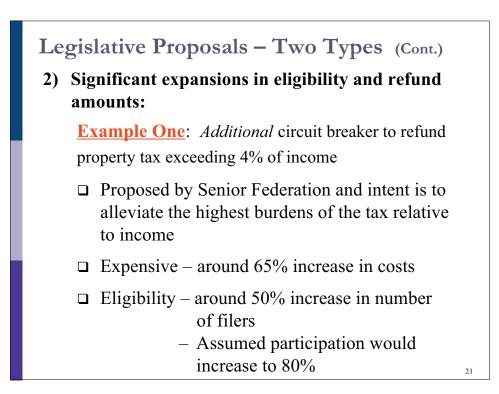


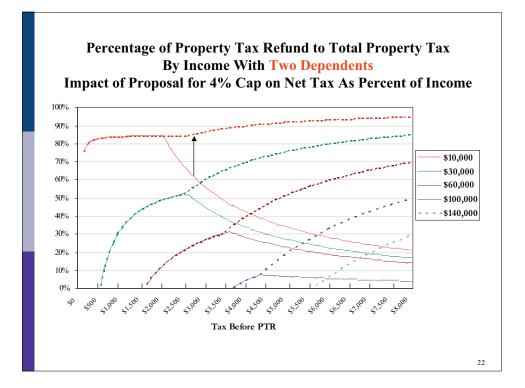


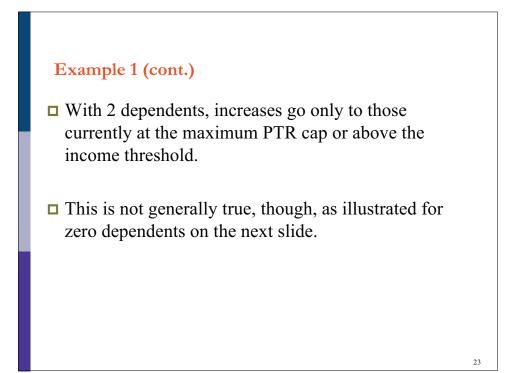


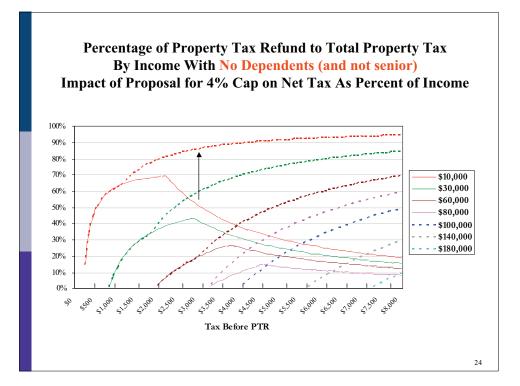


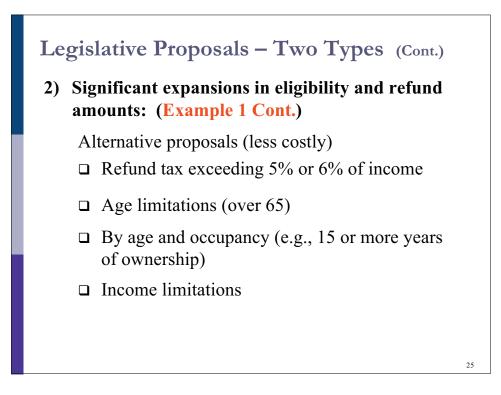


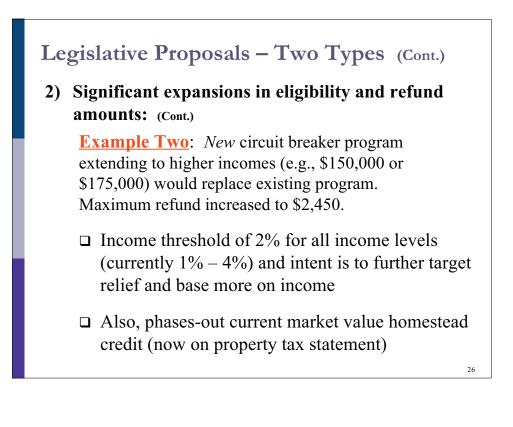


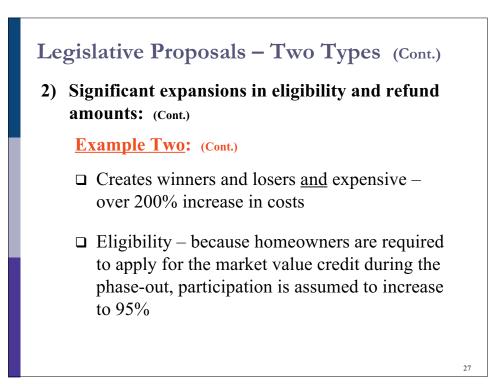


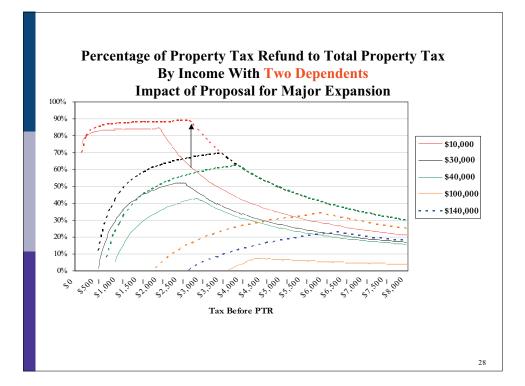


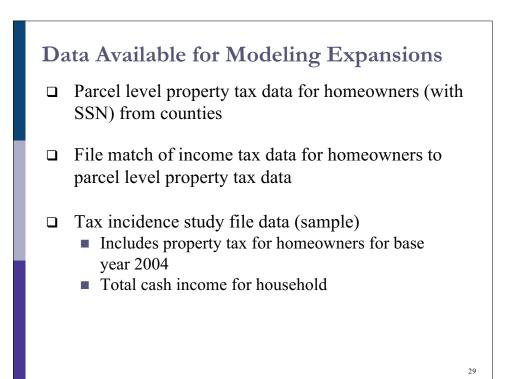










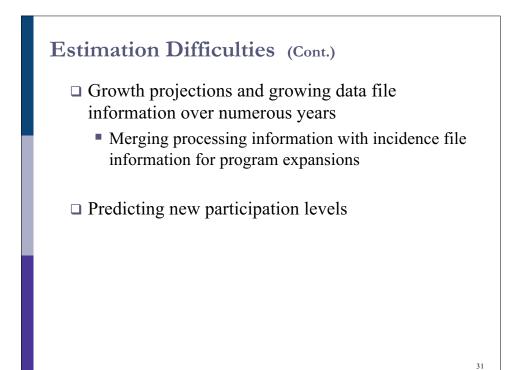


## **Estimation Difficulties**

- □ Tax incidence database
  - Old 2004 base year data (2002 until 3/1/07 incidence study updates)
  - Incidence income definition less comprehensive than total household income for PTR

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□ Revenue estimates needed for FY 08 to FY 11



## **Circuit Breaker Programs**

- Efficient way to target tax relief based on ability to pay
- Particularly benefits seniors and other homeowners where need is greatest (lower incomes but relatively high property taxes)
- May become bigger issue with demographics and increased reliance on property tax

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