Global Warming Example

Annual CV of the Energy Tax

Annual Revenue from the Tax

Annual Damage from Warming (billion)

Years Until Damage Begins

\$ 135 cv

rev

benefit

delay

Annual Net Cost of the Tax \$ 15 cost = cv - rev

	Interest Rate						
		4%		5%		6%	
PV of costs in year 0	\$	375	\$	300	\$	250	pvc = cost/r
PV of benefits in year 40	\$	12,500	\$	10,000	\$	8,333	Irb = benefit/r
PV of benefits in year 0	\$	2,604	\$	1,420	\$	810	pvb = lrb/(1+r)^delay
NPV of benefits - costs in year 0	\$	2,229	\$	1,120	\$	560	net = pvb - pvc