Paying for energy efficiency projects

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New Mexico
"Clean Energy State"

Proposed state, national and international initiatives

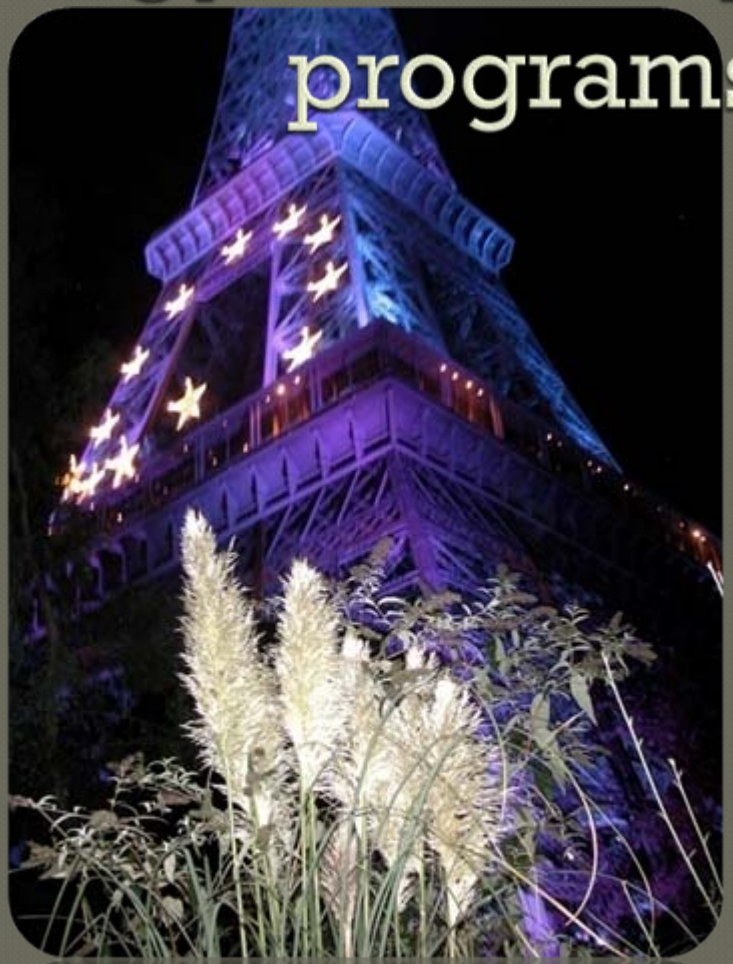
The Task: cut energy use 20% by 2020

Cut growth in vehicle miles traveled

Stimulate utility support for energy efficiency improvements

Accelerate combined heat and power systems

Address the needs of the poor with new energy efficiency programs



Design carbon neutrality into neighborhood and building energy codes

Require energy efficiency updates when homes resell

Compel industry to commit to energy efficiency and cogeneration

Cut local government and public school energy use in half by 2012, thence zero net energy use by 2020

Set feebates on cars and homes

Other measures

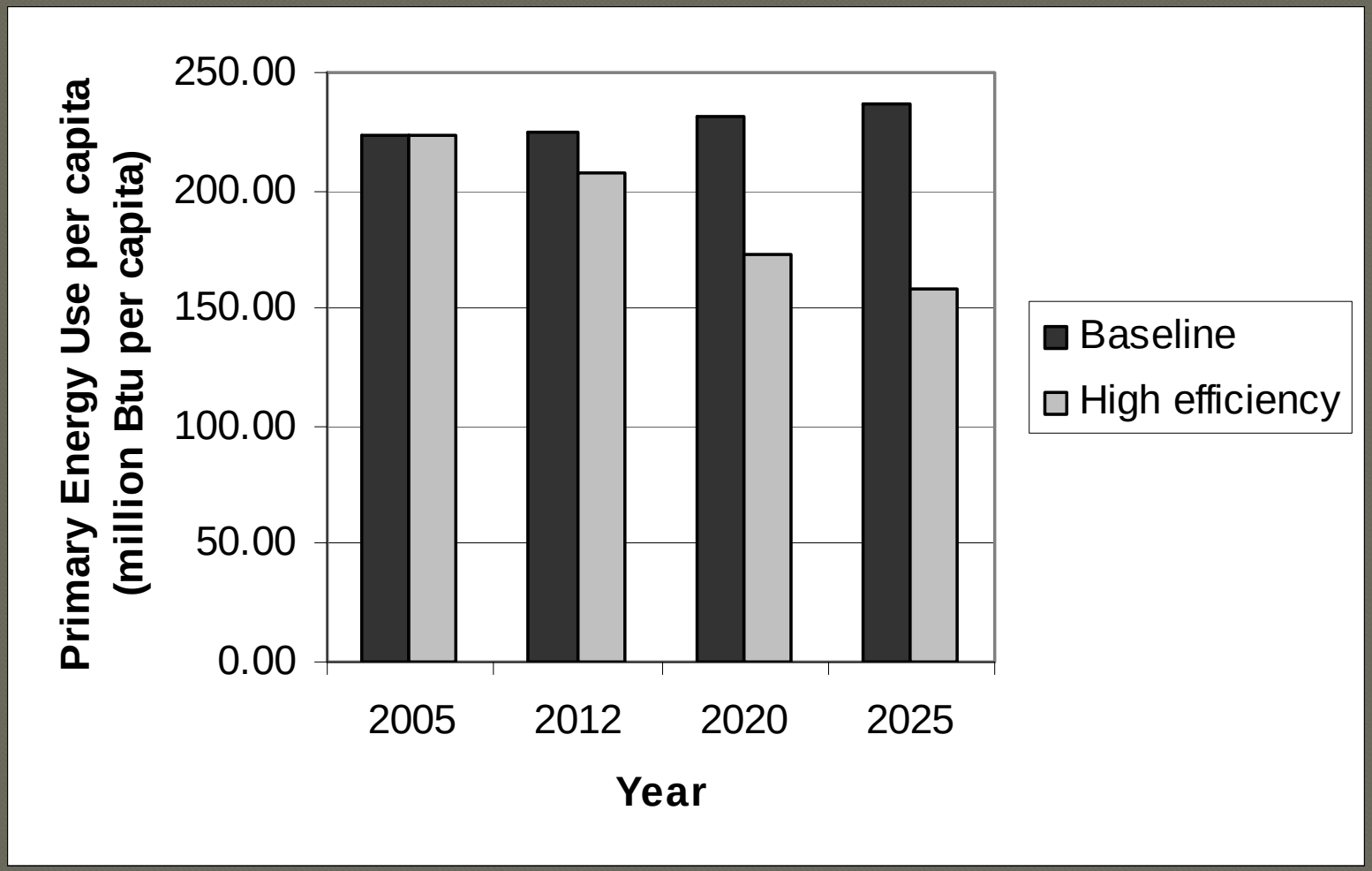
More measures

Even more measures

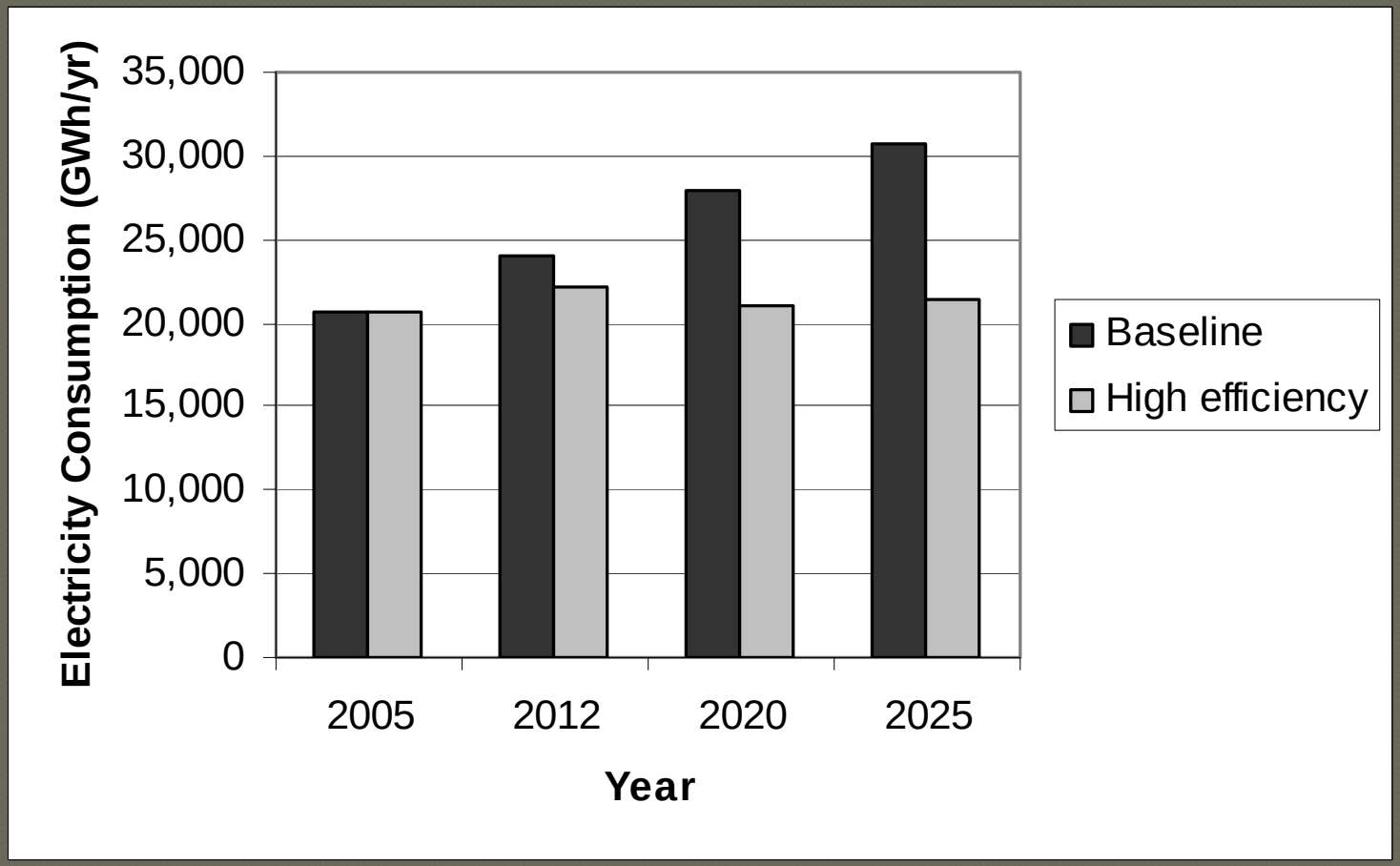
Bottom line

	Primary Energy Consumption or Savings (trillion Btu per year)			
	2005	**2012**	**2020**	**2025**
Baseline scenario	430.4	476.5	538.9	580.4
High efficiency scenario	430.4	439.0	402.5	388.0
Energy use per capita – baseline scenario	223.2	224.9	231.4	236.9
Energy use per capita – high efficiency (E) scenario	223.2	207.2	172.8	158.4
Savings in high E scenario (%)	0.0	7.9	25.3	33.1
Reduction from 2005 level in high E scenario (%)	0.0	**7.2**	**22.6**	29.1

Energy use per capita by scenario

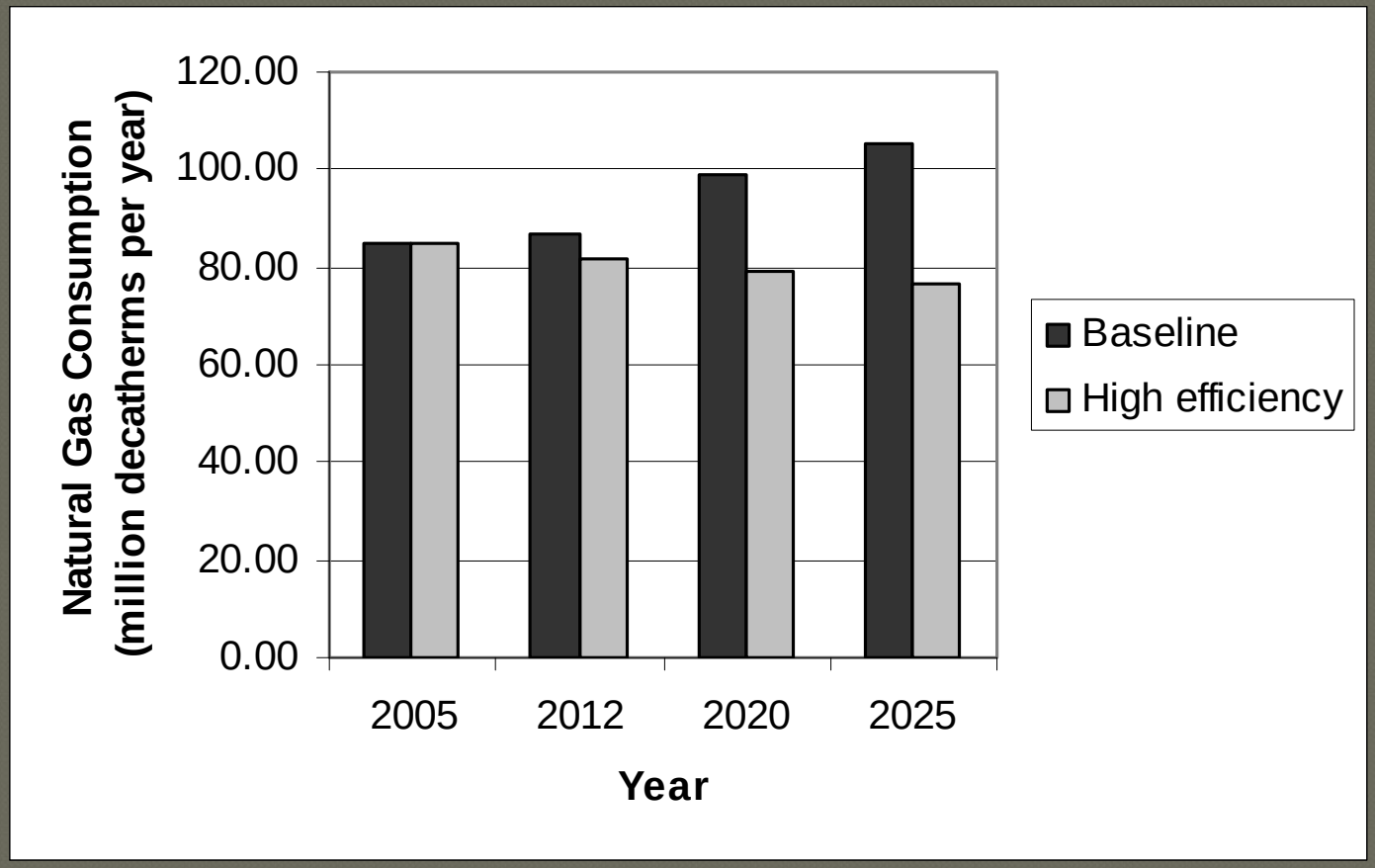


Electricity savings potential



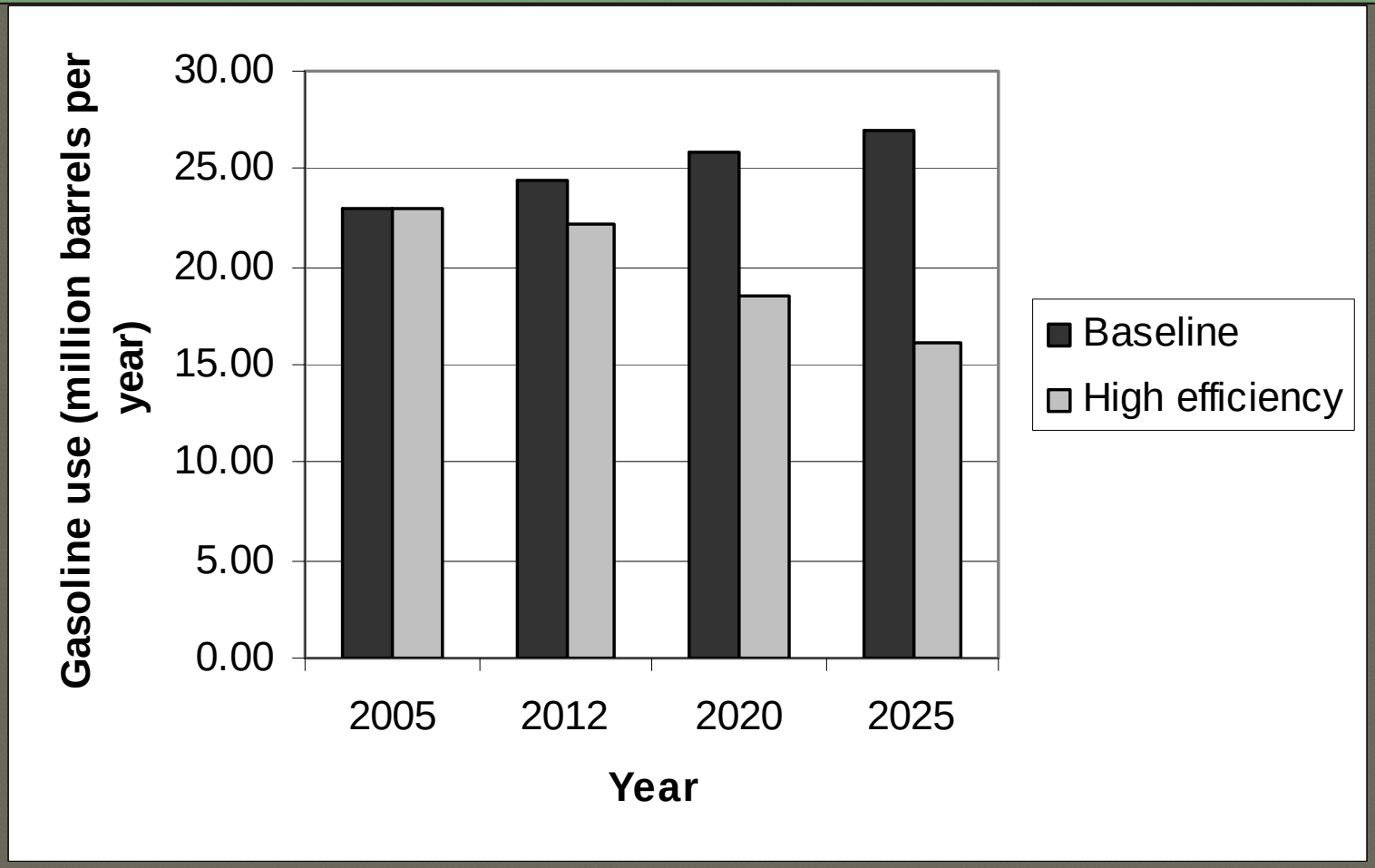
Big ones: expanded electricity DSM programs and lamp efficiency standards

Natural gas savings potential



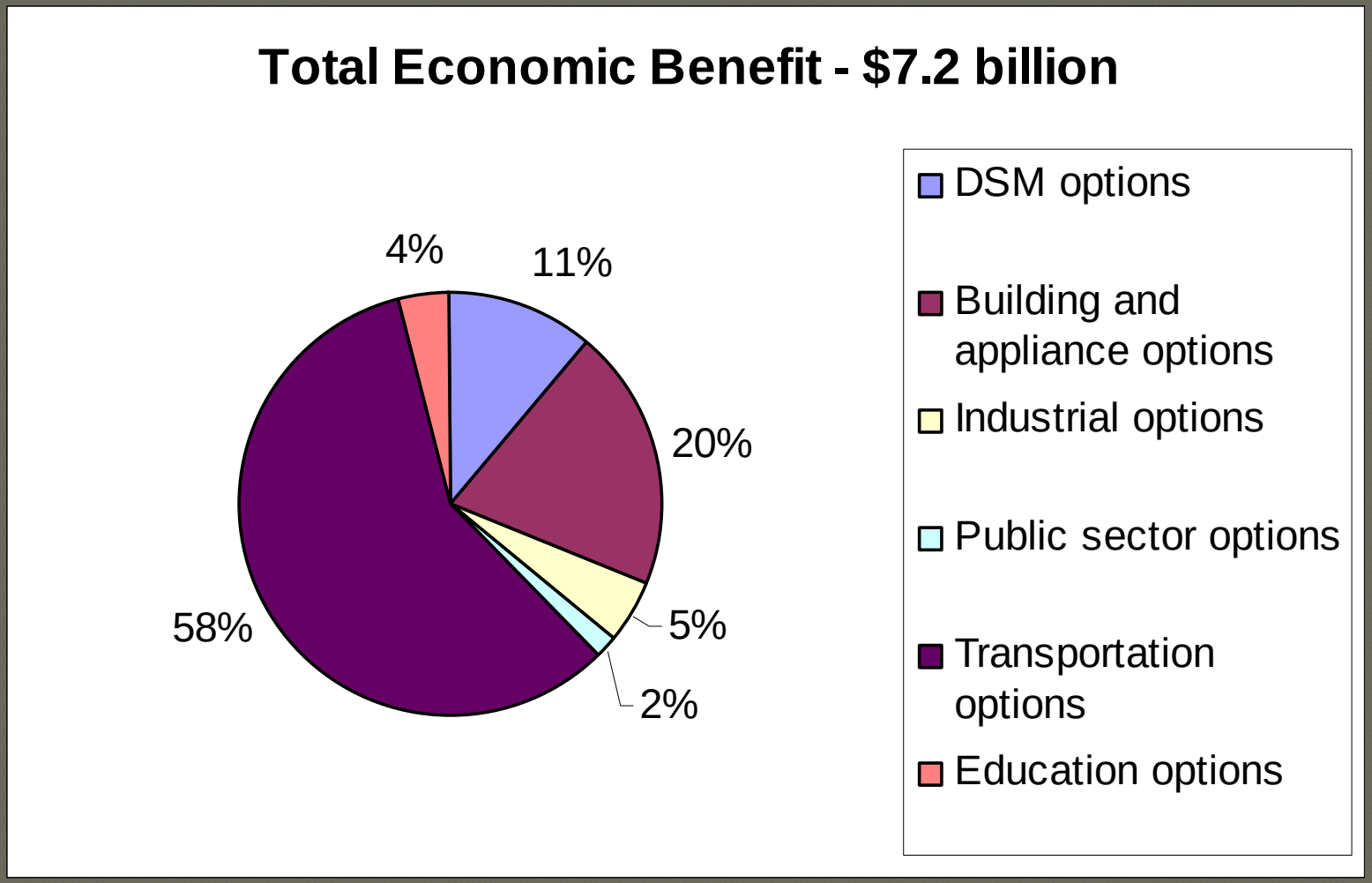
Big ones: gas utility DSM programs, building energy codes, and the industrial challenge and recognition program

Gasoline savings potential

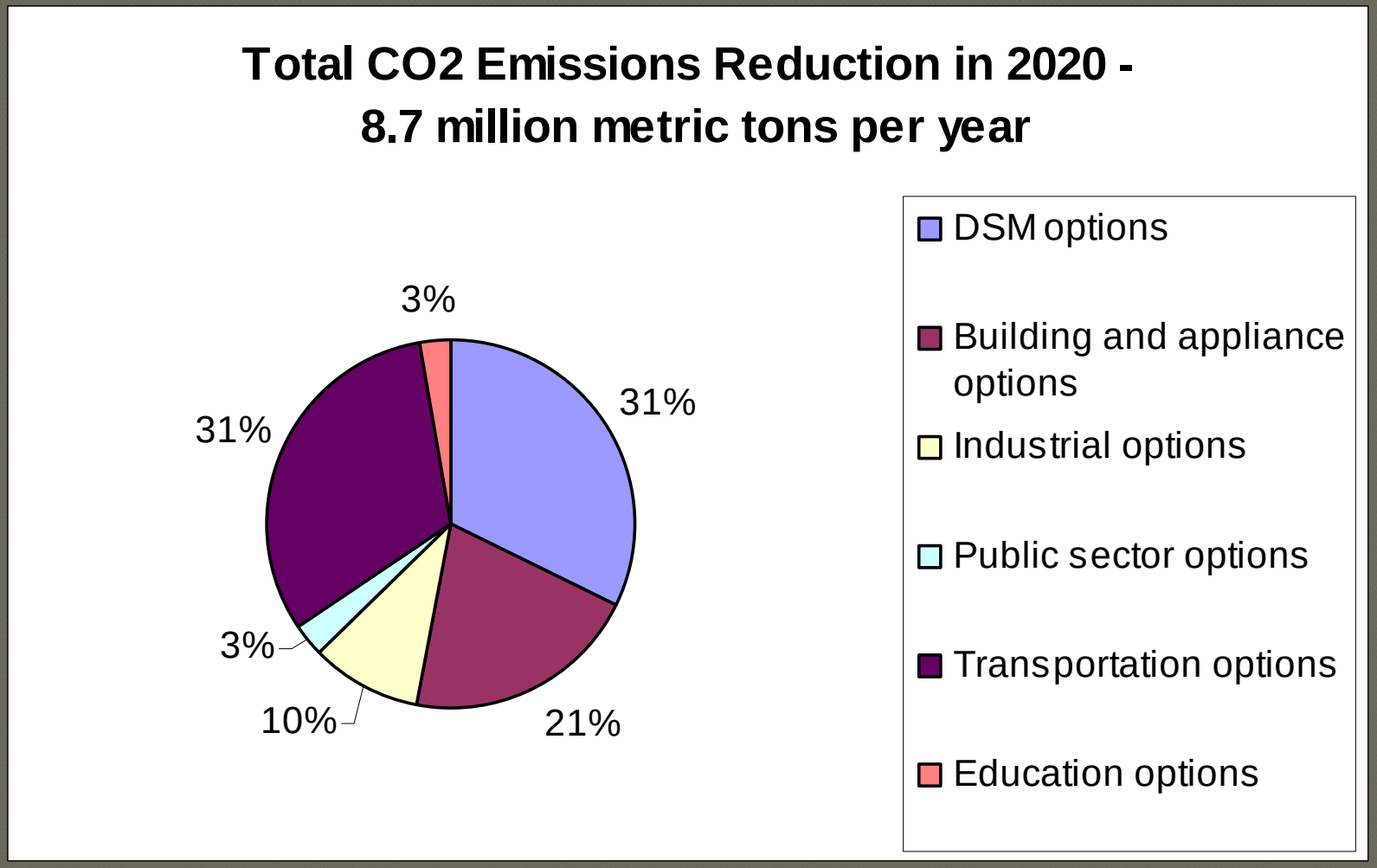


Big ones: clean car standards and reducing driving

Economic benefit



Emissions benefit



Future: invest in local climate capacity through annual federal appropriations

Carbon trading revenues

Clean tech private investment

State incentives

Conclusion