

**Table 7.5 Value of Energy Savings**

	<b>Brandon packing rings</b>	<b>Electronic Octane®</b>	<b>Thermefficient- 100®</b>	<b>Total</b>
Value of energy savings (in million 1992 \$)	106.7	327.6	97.1	531.4
Payback period (yrs)	3.51	3.91	4.68	

### 7.3 REDUCTION OF GREENHOUSE GAS EMISSIONS<sup>3</sup>

Tables 7.6 and 7.7 present estimates of the reductions in emissions of carbon and methane associated with the use to date (1981-1993) of Brandon packing rings, Electronic Octane®, and Thermefficient-100®. The base data for greenhouse gas emissions come from the Energy Information Administration (1993a), and energy use data required for the estimates come from the Energy Information Administration (1992).

**Table 7.6 Reduction in Carbon Emissions, in Metric Tons**

	<b>Coal</b>	<b>Oil</b>	<b>Gas</b>	<b>Total</b>
Brandon Packing Rings	399,400	52,100	26,200	477,700
Electronic Octane®		369,900		369,900
Thermefficient-100®			73,600	73,600
Total	399,400	422,000	99,800	921,200

**Table 7.7 Reduction in Methane Emissions, in Metric Tons  
(excluding emissions in associated production, transmission, and distribution)**

	<b>Coal</b>	<b>Oil</b>	<b>Gas</b>	<b>Total</b>
Brandon Packing Rings	10.6		2.0	12.6
Electronic Octane®				
Thermefficient-100®			5.6	5.6
Total	10.6		7.6	18.2

<sup>3</sup> Don Jones is the primary author of this section.