

## HOBART DISHWASHER ENERGY AUDIT

Project: **HSR info**  
National

Prepared on: Sep. 08, 2008

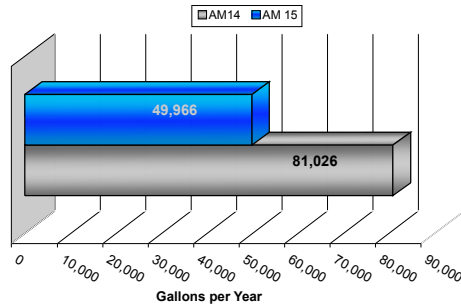
**Dishwashers to be compared:**

Brand Model	Description	Water Usage per Hour*
Hobart AM14	Dishwasher, Door Type, hot water sanitizing, 53-80 rack/hr capacity, pass-thru, microcomputer controls w/LED cycle/temp. display right hand control box, electric tank heat, auto-fill, s/s tank, frame, doors & feet	64 Gallons
Hobart AM 15	Dishwasher, Door Type, NSF listed for dishes and utensils hot water sanitizing, 58-65 rack/hr capacity, pass-thru or corner installation, microcomputer controls w/ digital status indicator, electric tank heat, auto-fill, s/s tank, frame, doors & feet	43 Gallons

<p><b>Operational Data</b></p> <p>Building Water Heater: Electric Hours per Day: 5.0 Days per Week: 7 Hours per Year: 1,820</p>	<p><b>Hobart AM14 Data</b></p> <p>Tank Heat Type: Electric Sanitization Method: Hot Water Booster Heat Type: Electric Wash Time (Hrs): 5.0</p>	<p><b>Hobart AM 15 Data</b></p> <p>Tank Heat Type: Electric Sanitization Method: Hot Water Booster Heat Type: Electric Wash Time (Hrs): 4.6</p>
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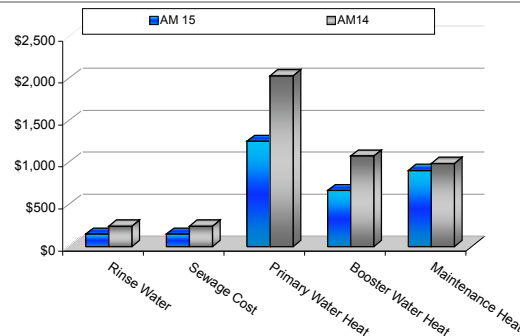
**Final Rinse Consumption Comparison:**



Model	Final Rinse Gallons per Year**
AM14	81,026
AM 15	49,966
Difference	31,060

**AM 15 will use 38% less water per year**

Annual Cost	AM14	AM 15	Savings
Rinse Water	\$243	\$150	<b>\$93</b>
Sewage Cost	\$243	\$150	<b>\$93</b>
Primary Water Heat (55-140 °F)	\$2,036	\$1,256	<b>\$780</b>
Booster Water Heat (140-185 °F)	\$1,078	\$665	<b>\$413</b>
Maintenance Heat	\$991	\$906	<b>\$85</b>
<b>Total Annual Cost Savings</b>			<b>\$1,464</b>



**Payback Analysis:**

Manufacturer & Model	Price
Hobart AM14	Not Entered
<u>Hobart AM 15</u>	<u>Not Entered</u>

\* Water usage taken from current N.S.F. Listing Book  
\*\* Assumes final rinse in use 70% of the time

**Note:** Additional savings can be realized on the initial investment based on a smaller booster heater size requirement. Energy, water and cost computations are approximation of anticipated requirements. Actual performance will vary with site conditions and utility cost variations.

