

Application No.: A.08-05-026
Exhibit No.: SCE-1
Witnesses: J. Nall
M. Brown
J. Holmes



SOUTHERN CALIFORNIA
EDISON

An *EDISON INTERNATIONAL* Company

(U 338-E)

***Errata – Testimony of Southern California Edison
Company in Support of Application for Approval of
Low-Income Assistance Programs and Budgets for
Program Years 2009 through 2011***

Before the

Public Utilities Commission of the State of California

Rosemead, California
July 16, 2008

- Analysis of how Assembly Bill (AB) 1109 may affect their programs and the deployment of compact fluorescent lights (CFLs) in California.

SCE is proposing a portfolio that includes cost-effective measures for all eligible customers. The portfolio is augmented by measures that will produce long-term and enduring savings, such as cooling measures, which help promote the comfort, health and safety of eligible low-income customers. SCE's proposed LIEE program is designed to achieve 1/4th of the Programmatic Initiative by December 2011, and will provide enduring savings. To achieve the Programmatic Initiative, SCE is requesting a three-year program budget of \$165 million. The request is 64% larger on an annualized basis than SCE's authorized 2007 and 2008 LIEE program budgets. The increased program budget, together with leveraging the resources of other entities such as California Department of Community Services and Development's (DCSD) Low-Income Home Energy Assistance Program (LIHEAP) service providers and improving integration with SCE's energy efficiency and demand-side programs, will enable SCE to provide the measures and reach the number of homes required to achieve 1/4th of the Programmatic Initiative and achieve the MWh savings and MW demand reduction as indicated in Table I-1.

Table I-1

Program Year	Homes	Budget	Annual	
			MWh	MW
2009	75,243	\$53,594,000	29,605,724	11.09.6
2010	75,243	\$54,783,000	32,992,743	12.29.7
2011	75,243	\$56,633,000	33,031,767	12.49.9
3-Years	225,729	\$165,010,000	95,628,234	35.629.1

Providing all eligible customers the opportunity to participate by 2020 will require SCE to become more creative in its implementation of all aspects of its low-income assistance programs. SCE is, among other things, proposing to retool its LIEE customer education package and employ advanced marketing, education, and outreach strategies in order to reach customer segments with specific language preferences. SCE will differentiate the message according to factors including geography/climate, electricity consumption, density, housing type, owners, and renters.

For 2009 to 2011, SCE is proposing budgets that will target specific segments to receive LIEE services. In particular, SCE is proposing specific budgets to target customers according to where they

Figure I-1
2009-2011 SCE LIEE Program Measure
And Installation Costs (\$ Millions) by Measure Group
(Total = \$118.1 Million)

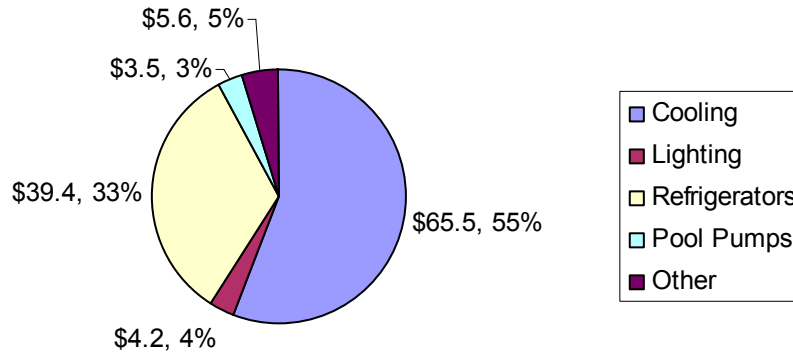


Figure I-2
2009-2011 SCE LIEE Program
Annual MWh Savings by Measure Group
(Total = 95,62889,234 MWh)

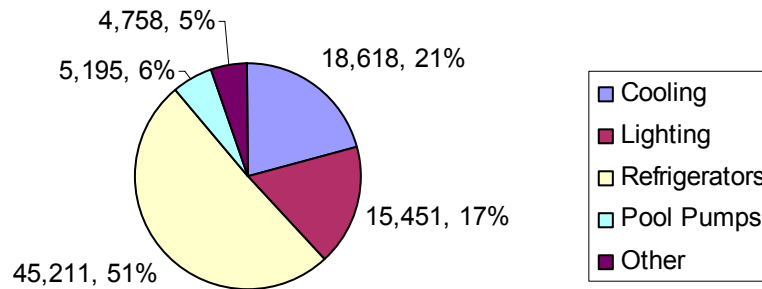
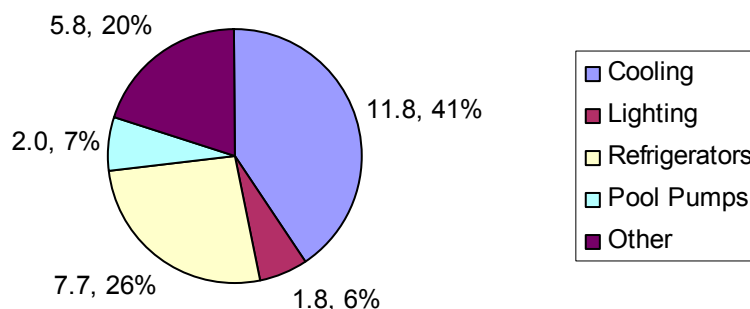


Figure I-3
2009-2011 SCE LIEE Program
Annual MW Reduction by Measure Group
(Total = ~~35.7~~29.1 MW)



Finally, SCE jointly held⁴ and participated in⁵ public workshops to ensure that all stakeholders had an opportunity to comment on the proposed plans of SCE, PG&E, SDG&E and SoCalGas for the 2009-2011 budget cycle.

⁴ SCE's 2009, 2010 and 2011 LIEE program was discussed during a workshop that was noticed and held jointly with SoCalGas in Downey, California on March 12, 2008.

⁵ For example, SCE participated in a number of public workshops in connection with the California Energy Efficiency Strategic Plan (CEESP) that discussed LIEE programs and workshops relating to among other things, cost-effectiveness and LIEE program delivery.

MPT. The benefit cost ratio for the UCT test consists of the NPV of avoided cost savings for the utility plus the utility NEBs in the numerator, and the cost of the program (both measure installation and non-installation costs) in the denominator. For measure level benefit cost ratios, the non-installation costs were allocated based on the energy savings of the measure.

The TRC test was conducted using the E3 Calculator for 2009 to 2011 programs. The E3 Calculator provides program level results and measure-specific results with non-installation costs allocated based on the energy savings of the measure. The TRC test does not include NEBs, so in this respect it is not comparable to the results of the MPT and the UCT.

More information on cost-effectiveness is provided in Attachments A-5, A-6, and A-7. The cost-effectiveness results vary by measure type, climate zone, housing type, and the specific test. Some measures pass all three tests, some pass one or two, and others do not pass any of the tests. Measures that do not pass cost-effectiveness are being proposed in order to provide health, safety, comfort, and/or bill savings to participating customers. SCE's overall program cost-effectiveness using the three tests is presented in Table IV-4.

Table IV-4
SCE Budget Highlights

Program Year	Homes	Budget	Annual		Benefit / Cost Ratios		
			MWh	MW	MPT	UC	TRC
2009	75,243	\$53,594,000	29,724	9.6	0.70	0.74	0.58
2010	75,243	\$54,783,000	29,743	9.7	0.74	0.73	0.57
2011	75,243	\$56,633,000	29,767	9.9	0.78	0.72	0.55
3-Years	225,729	\$165,010,000	89,234	29.1	0.74	0.73	0.56

Modified Participant Test:

Air-conditioning servicing, ~~duct sealing and testing, refrigerators, torchieres, CFLs, pool pumps,~~ and water conservation measures are cost-effective across all housing types and climate zones. ~~All other measures—Duct sealing and testing, refrigerators, envelope and air sealing, and pool pumps~~ are cost-effective in some housing types and climate zones. The remaining measures are not cost-effective in any climate zone or housing type., ~~with the exception of new air conditioners that would be provided as new construction measures.~~

Utility Cost Test:

Air-conditioner servicing, water conservation measures, CFLs and torchieres are cost-effective across all climate zones and housing types. ~~Water conservation, duct d~~Duct sealing and testing is almost always ~~are~~ cost-effective. Air-conditioners provided as replacements or through new construction, envelope and air sealing, evaporative coolers, evaporative cooler maintenance, ~~and~~ heat pumps, and pool pumps are not cost-effective in any climate zone or housing type.

Total Resource Cost Test:

Air-conditioner servicing, CFLs, and torchieres are cost-effective across all climate zones and housing types. Water conservation and, duct sealing and testing, frequently are cost-effective. Air-conditioners provided as replacements or through new construction, envelope and air sealing, evaporative coolers, evaporative cooler maintenance, refrigerators, pool pumps, and heat pumps are not cost-effective in any climate zone or housing type.

B. Impact Evaluations

Savings factors identified in the 2005 Impact Evaluation²⁴ were used to determine cost-effectiveness and estimate potential savings applied to the 2009-2011 LIEE programs.

1. Background

Previous impact evaluations were conducted for program years 1998, 2000, 2001 and 2002. D.03-10-041 specified that impact evaluations should take place every two years. However, the LIEE impact evaluation for program year 2002 recommended modifications to the data collection for improving future impact evaluations, and given the lead time required to make these changes, the impact evaluation originally to be conducted for program year 2004 was postponed until program year 2005.

The previous four LIEE evaluations were based on billing analyses, a decision that was largely dictated by the availability of data, time frame and budget. However, there were ongoing issues with lack of critical data at the program level and concerns about the influence of external, non-program influences. The period of 2000 to 2003 encompassed the 2001 California energy crisis and was

²⁴ Impact Evaluation of the 2005 California Low-Income Energy Efficiency Program, Final Report, dated December 19, 2007, and revised January 10, 2008 (West Hill Energy & Computing, Inc.).

Table V-8
Measurement & Evaluation of LIEE Program - SCE

Statewide Studies	Total Cost	SCE Share	SCE Cost
Impact Evaluation of the 2010 LIEE Program	\$600,000	30%	\$180,000
Process Evaluation of the 2009 LIEE Program	\$250,000	30%	\$75,000
Non-Energy Benefits Study	\$300,000	30%	\$90,000
Refrigerator Degradation EUL Study	\$200,000	33.33%	\$67,000
LIEE Household Segmentation Study	\$200,000	30% 40%	\$80,000
Sub Total	\$1,550,000		\$492,000
SCE Specific Study			
High Use CARE Customer Study	\$200,000	100%	\$200,000
Total	-\$1,750,000		692,000

Attachment A-2

LIEE Planning Assumptions

Attachment A-5

Summary of LIEE Program Cost-Effectiveness

	A	B	C	D
1	Summary of LIEE Program Cost Effectiveness Southern California Edison			
2				
3				
4		Ratio of Program Benefits over Program Costs		
5		Utility Cost Test	Modified Participant Test	Total Resource Cost Test
6	PY 2008¹	0.59	1.29	0.52
7	PY 2009	0.74	0.70	0.58
8	PY 2010	0.73	0.74	0.57
9	PY 2011	0.72	0.78	0.55

Attachment A-6

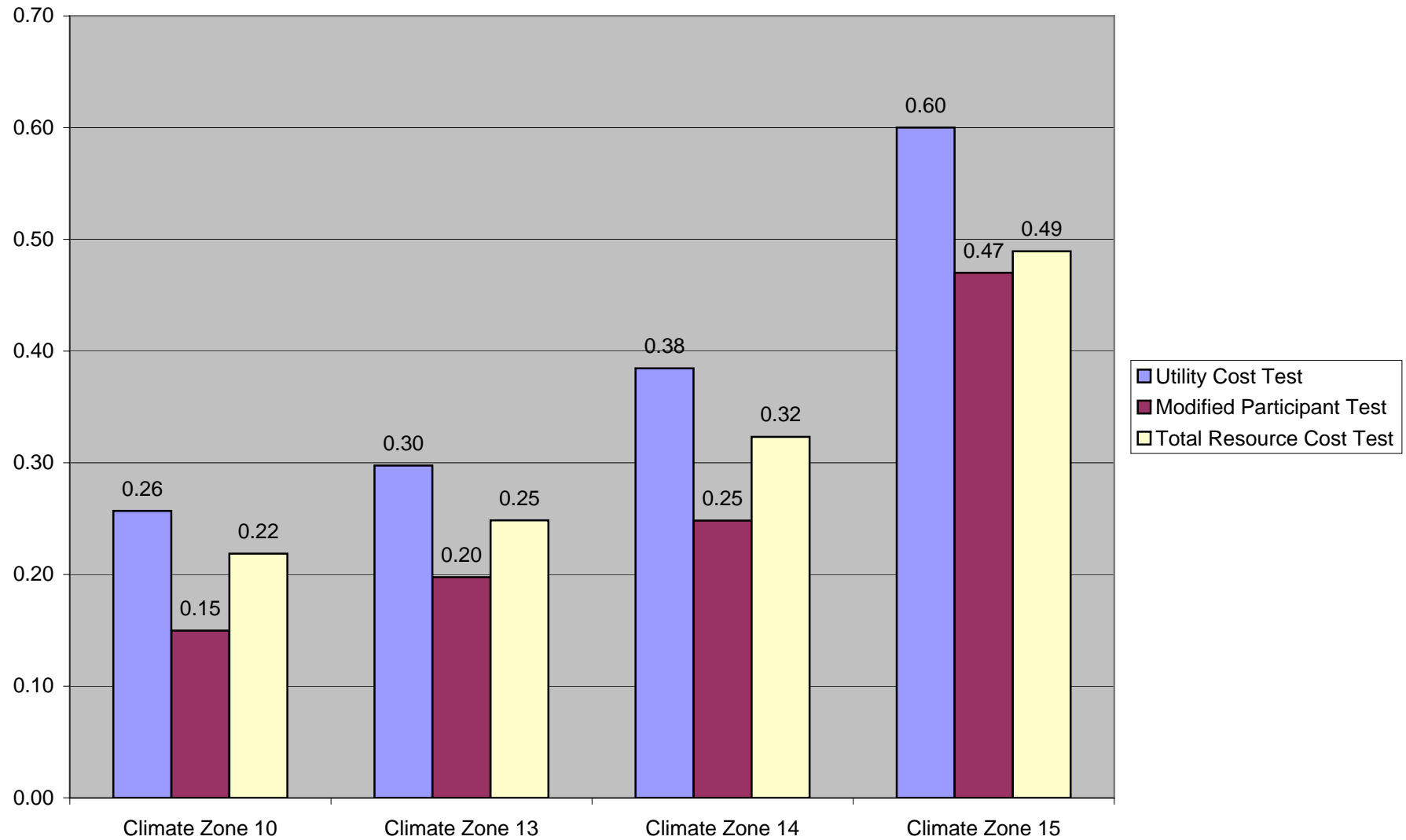
LIEE Cost-Effectiveness – Weather Sensitive Measures

	A	B	C	D	E	F	G	H	I	J	K
1	LIEE Cost-Effectiveness - Weather Sensitive Measures										
2	Southern California Edison										
3											
4	Ratio of Benefits Over Costs										
5											
6	Room Air Conditioner Replacement										
7	<i>Single Family, Electric</i>										
9			2009	2010	2011	2009	2010	2011	2009	2010	2011
10		Climate Zone 10	0.25	0.26	0.26	0.15	0.16	0.18	0.22	0.22	0.22
11		Climate Zone 13	0.30	0.30	0.31	0.19	0.21	0.23	0.25	0.25	0.25
12		Climate Zone 14	0.36	0.36	0.37	0.21	0.23	0.25	0.30	0.30	0.31
13		Climate Zone 15	0.65	0.65	0.66	0.46	0.49	0.54	0.54	0.53	0.53
14	<i>Multifamily, Electric</i>										
16			2009	2010	2011	2009	2010	2011	2009	2010	2011
17		Climate Zone 10	0.09	0.09	0.09	0.05	0.05	0.06	0.08	0.08	0.08
18		Climate Zone 13	0.10	0.10	0.11	0.06	0.07	0.08	0.08	0.09	0.09
19		Climate Zone 14	0.13	0.14	0.14	0.08	0.09	0.10	0.11	0.11	0.12
20		Climate Zone 15	0.23	0.24	0.25	0.17	0.18	0.20	0.19	0.19	0.20
21	<i>Mobile Home, Electric</i>										
23			2009	2010	2011	2009	2010	2011	2009	2010	2011
24		Climate Zone 10	0.25	0.25	0.26	0.12	0.14	0.15	0.22	0.22	0.22
25		Climate Zone 13	0.29	0.29	0.30	0.16	0.18	0.20	0.24	0.25	0.25
26		Climate Zone 14	0.37	0.38	0.38	0.21	0.23	0.25	0.32	0.32	0.32
27		Climate Zone 15	0.59	0.59	0.60	0.40	0.43	0.47	0.49	0.49	0.49
28	Central Air Conditioner Replacement										
29	<i>Single Family, Electric</i>										
31			2009	2010	2011	2009	2010	2011	2009	2010	2011
32		Climate Zone 13	0.24	0.25	0.25	0.12	0.13	0.15	0.20	0.20	0.21
33		Climate Zone 14	0.38	0.38	0.39	0.17	0.18	0.20	0.32	0.32	0.32
34		Climate Zone 15	0.48	0.48	0.49	0.31	0.33	0.37	0.39	0.39	0.39
35	<i>Multifamily, Electric</i>										
37			2009	2010	2011	2009	2010	2011	2009	2010	2011
38		Climate Zone 13	0.22	0.23	0.23	0.15	0.16	0.18	0.17	0.18	0.18
39		Climate Zone 14	0.36	0.37	0.38	0.25	0.28	0.30	0.29	0.29	0.29
40		Climate Zone 15	0.47	0.48	0.49	0.33	0.36	0.40	0.38	0.38	0.38
41	<i>Mobile Home, Electric</i>										
43			2009	2010	2011	2009	2010	2011	2009	2010	2011
44		Climate Zone 13	0.28	0.29	0.30	0.17	0.19	0.21	0.23	0.23	0.23
45		Climate Zone 14	0.46	0.46	0.47	0.25	0.27	0.29	0.37	0.38	0.38
46		Climate Zone 15	0.50	0.51	0.51	0.32	0.35	0.38	0.40	0.40	0.40
47	Central Air Conditioner Service										
48	<i>Single Family, Electric</i>										
50			2009	2010	2011	2009	2010	2011	2009	2010	2011
51		Climate Zone 13	1.76	1.70	1.68	1.32	1.39	1.49	1.49	1.42	1.37
52		Climate Zone 14	1.61	1.56	1.54	1.23	1.30	1.40	1.36	1.29	1.26
53		Climate Zone 15	1.87	1.80	1.78	1.60	1.69	1.81	1.54	1.46	1.41
54	<i>Mobile Home, Electric</i>										
56			2009	2010	2011	2009	2010	2011	2009	2010	2011
57		Climate Zone 13	1.87	1.79	1.76	1.20	1.26	1.34	1.62	1.53	1.48

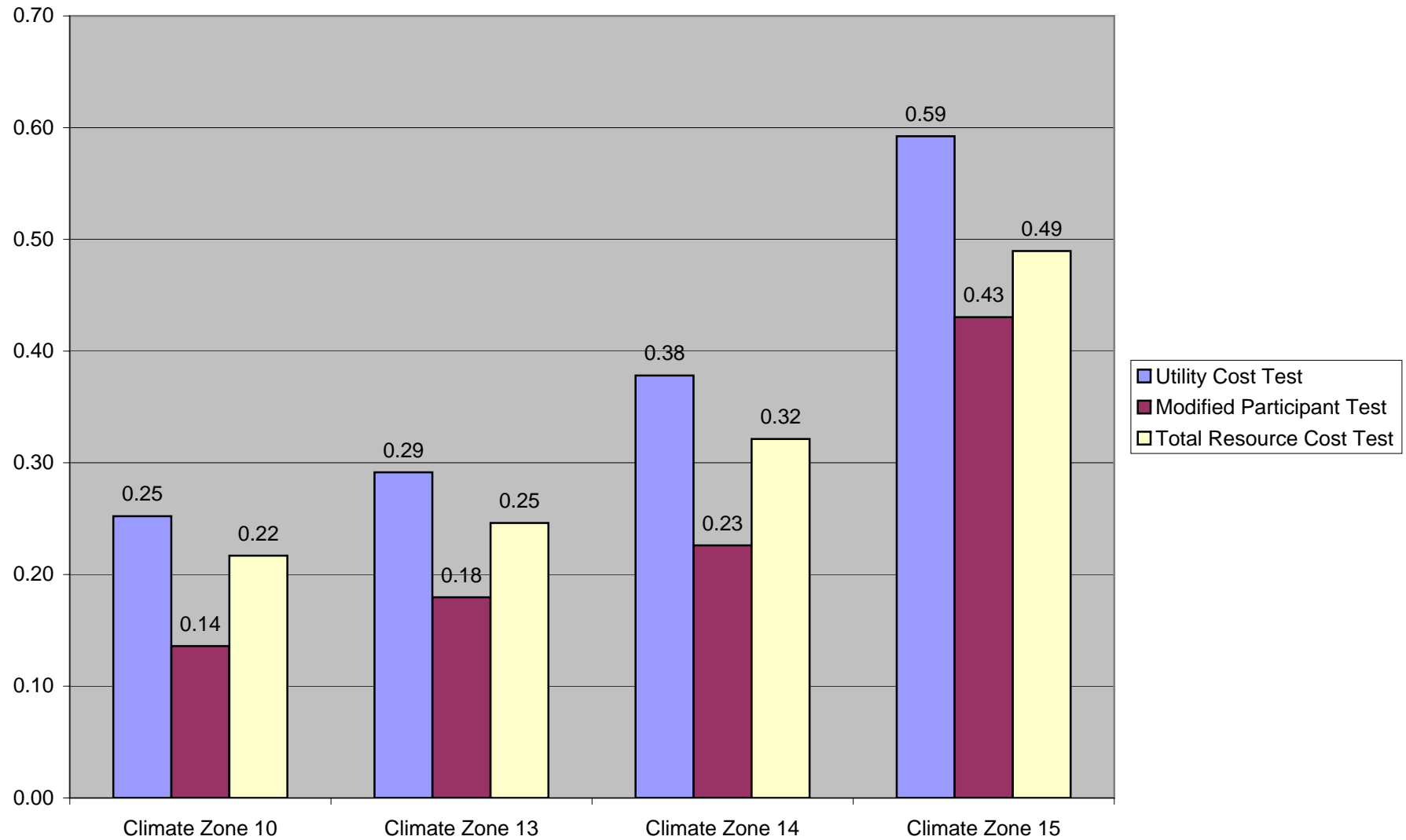
	A	B	C	D	E	F	G	H	I	J	K
4			Ratio of Benefits Over Costs								
5			Utility Cost Test			Modified Participant			Total Resource Cost		
58		Climate Zone 14	1.83	1.76	1.73	1.33	1.40	1.50	1.56	1.48	1.43
59		Climate Zone 15	2.06	1.98	1.95	1.74	1.82	1.95	1.71	1.61	1.55
60	Heat Pump Replacement										
61	Single Family, Electric										
63			2009	2010	2011	2009	2010	2011	2009	2010	2011
64		Climate Zone 13	0.31	0.32	0.33	0.29	0.31	0.34	0.23	0.23	0.23
65		Climate Zone 14	0.30	0.31	0.32	0.28	0.31	0.34	0.22	0.22	0.23
66		Climate Zone 15	0.26	0.27	0.27	0.22	0.24	0.26	0.20	0.20	0.20
67	Multifamily, Electric										
69			2009	2010	2011	2009	2010	2011	2009	2010	2011
70		Climate Zone 13	0.37	0.38	0.39	0.35	0.38	0.42	0.28	0.28	0.28
71		Climate Zone 14	0.32	0.32	0.33	0.30	0.33	0.36	0.23	0.23	0.24
72		Climate Zone 15	0.29	0.29	0.30	0.24	0.27	0.30	0.22	0.22	0.22
73	Mobile Home, Electric										
75			2009	2010	2011	2009	2010	2011	2009	2010	2011
76		Climate Zone 13	0.40	0.41	0.42	0.34	0.37	0.41	0.31	0.31	0.31
77		Climate Zone 14	0.43	0.44	0.45	0.38	0.42	0.46	0.32	0.32	0.33
78		Climate Zone 15	0.44	0.45	0.46	0.36	0.39	0.43	0.34	0.34	0.34
79	Evaporative Cooler Installation										
80	Single Family, Electric										
82			2009	2010	2011	2009	2010	2011	2009	2010	2011
83		Climate Zone 10	0.25	0.25	0.26	0.20	0.22	0.24	0.20	0.20	0.20
84		Climate Zone 13	0.34	0.34	0.35	0.27	0.30	0.33	0.27	0.27	0.27
85		Climate Zone 14	0.37	0.38	0.39	0.30	0.33	0.36	0.30	0.30	0.30
86		Climate Zone 15	0.75	0.75	0.76	0.62	0.67	0.73	0.60	0.59	0.59
87		Climate Zone 16	0.43	0.44	0.45	0.26	0.29	0.31	0.37	0.37	0.37
88	Mobile Home, Electric										
90			2009	2010	2011	2009	2010	2011	2009	2010	2011
91		Climate Zone 10	0.25	0.25	0.26	0.19	0.21	0.23	0.20	0.20	0.20
92		Climate Zone 13	0.33	0.34	0.34	0.26	0.29	0.32	0.26	0.27	0.27
93		Climate Zone 14	0.37	0.38	0.39	0.29	0.32	0.35	0.30	0.30	0.30
94		Climate Zone 15	0.73	0.73	0.74	0.60	0.65	0.71	0.59	0.58	0.58
95		Climate Zone 16	0.35	0.35	0.36	0.18	0.20	0.22	0.29	0.30	0.30
96	Evaporative Cooler Maintenance										
97	Single Family, Electric										
99			2009	2010	2011	2009	2010	2011	2009	2010	2011
100		Climate Zone 10	0.24	0.24	0.24	0.23	0.25	0.28	0.19	0.19	0.18
101		Climate Zone 13	0.46	0.46	0.46	0.44	0.48	0.53	0.37	0.36	0.35
102		Climate Zone 14	0.39	0.40	0.40	0.38	0.42	0.46	0.32	0.31	0.31
103		Climate Zone 15	0.77	0.77	0.77	0.74	0.81	0.88	0.62	0.61	0.59
104		Climate Zone 16	0.49	0.49	0.49	0.46	0.51	0.56	0.39	0.38	0.38
105	Mobile Home, Electric										
107			2009	2010	2011	2009	2010	2011	2009	2010	2011
108		Climate Zone 10	0.24	0.24	0.24	0.23	0.25	0.28	0.19	0.19	0.18
109		Climate Zone 13	0.46	0.46	0.46	0.44	0.48	0.53	0.37	0.36	0.35
110		Climate Zone 14	0.39	0.40	0.40	0.38	0.42	0.46	0.32	0.31	0.31
111		Climate Zone 15	0.77	0.77	0.77	0.74	0.81	0.88	0.62	0.61	0.59
112		Climate Zone 16	0.49	0.49	0.49	0.46	0.51	0.56	0.39	0.38	0.38

	A	B	C	D	E	F	G	H	I	J	K
4			Ratio of Benefits Over Costs								
5			Utility Cost Test			Modified Participant			Total Resource Cost		
167	Single Family, Electric										
169			2009	2010	2011	2009	2010	2011	2009	2010	2011
170		Climate Zone 13		0.08	0.08		0.01	0.01		0.08	0.08
171		Climate Zone 14		0.10	0.10		0.01	0.01		0.10	0.10
172		Climate Zone 15		0.05	0.06		0.01	0.01		0.05	0.05
173	Multifamily, Electric										
175			2009	2010	2011	2009	2010	2011	2009	2010	2011
176		Climate Zone 13		0.08	0.09		0.03	0.03		0.08	0.08
177		Climate Zone 14		0.09	0.10		0.03	0.03		0.09	0.09
178		Climate Zone 15		0.10	0.11		0.04	0.05		0.09	0.10
179	* Include chart pertaining to each proposed measure, with information included on type of home (ie. Single Family, Multi Family, Mobile Home) and electric or ** Charts to include information on each climate zone in utility service area.										
180											
181											
182											
183											

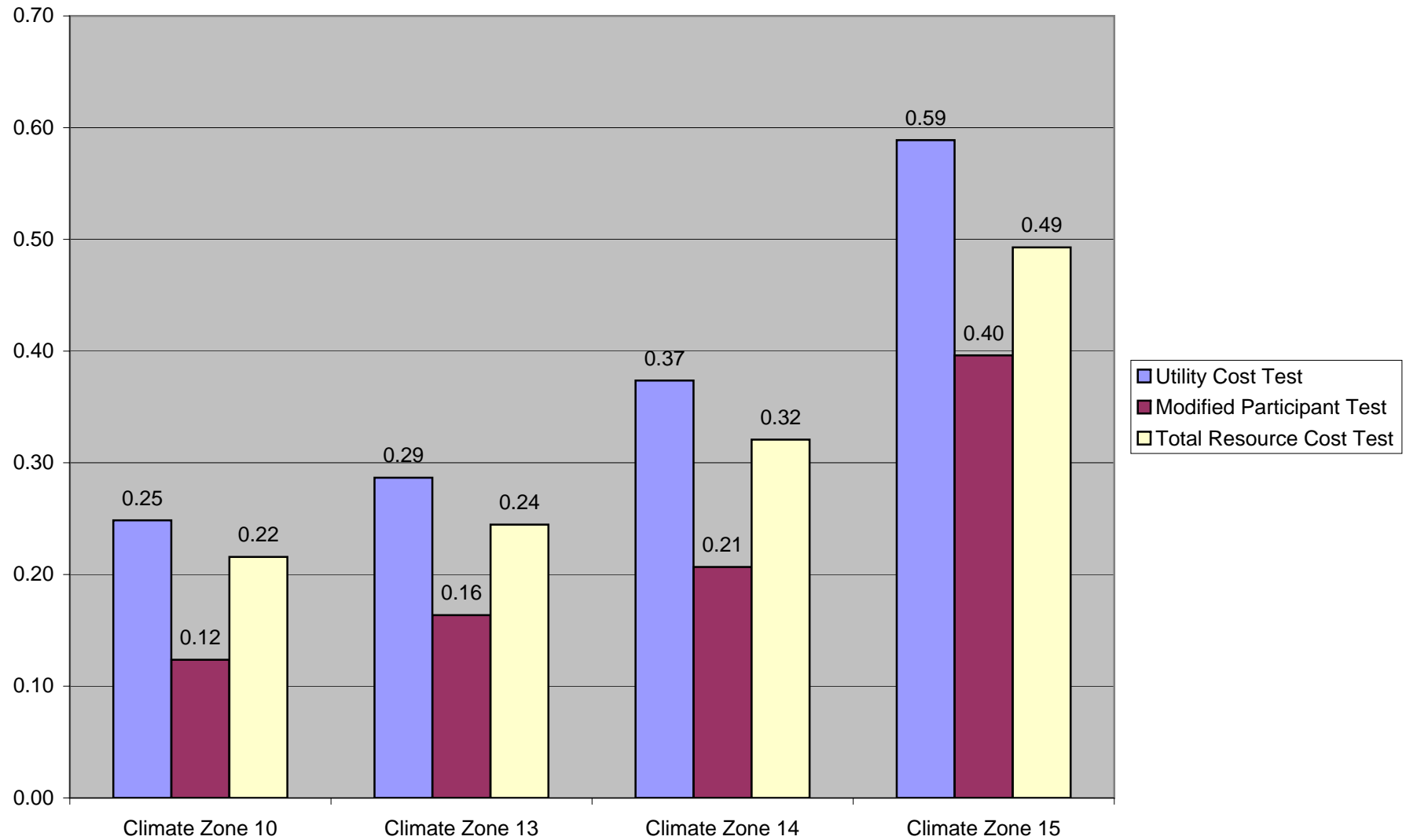
Room AC Mobile Home 2011



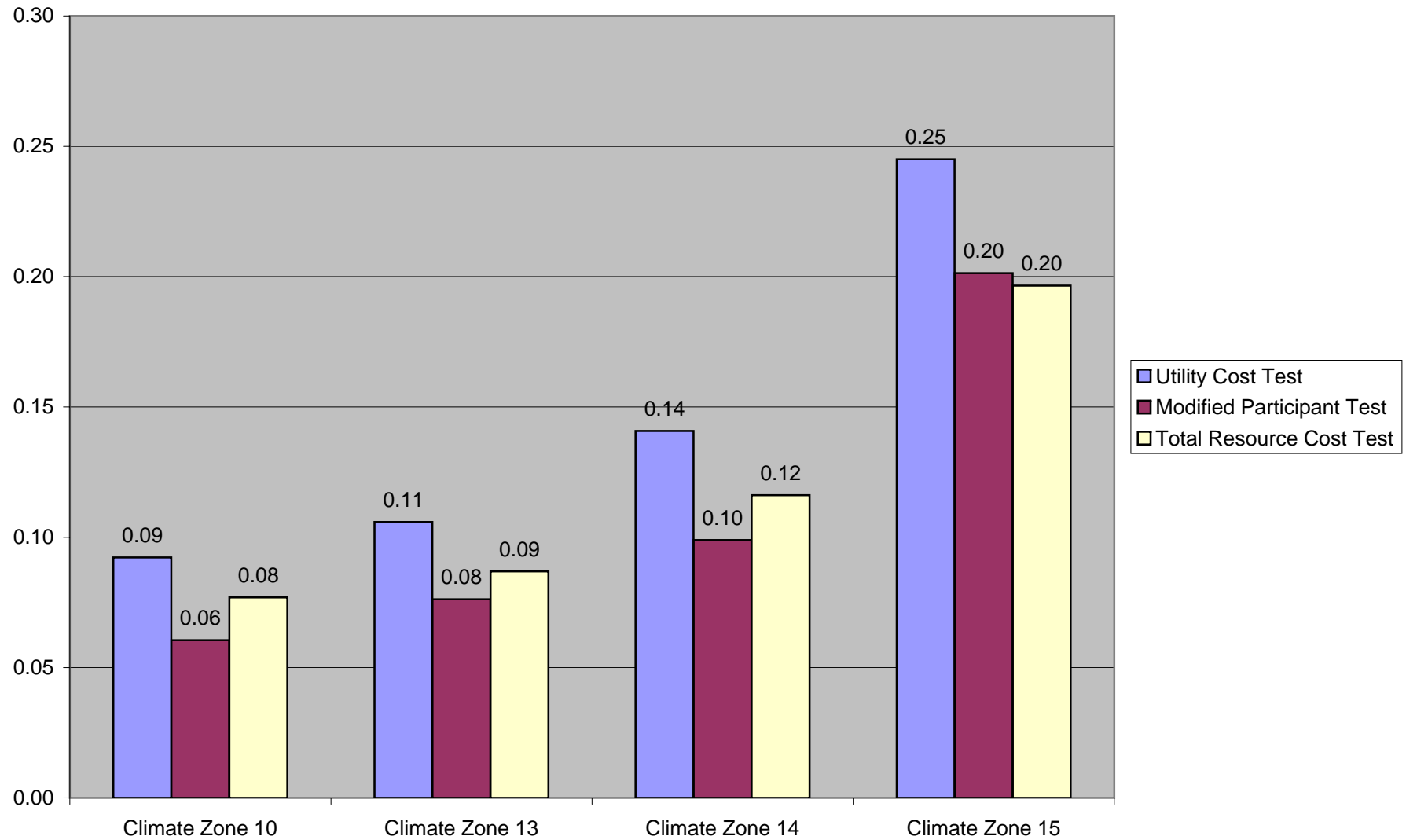
Room AC Mobile Home 2010



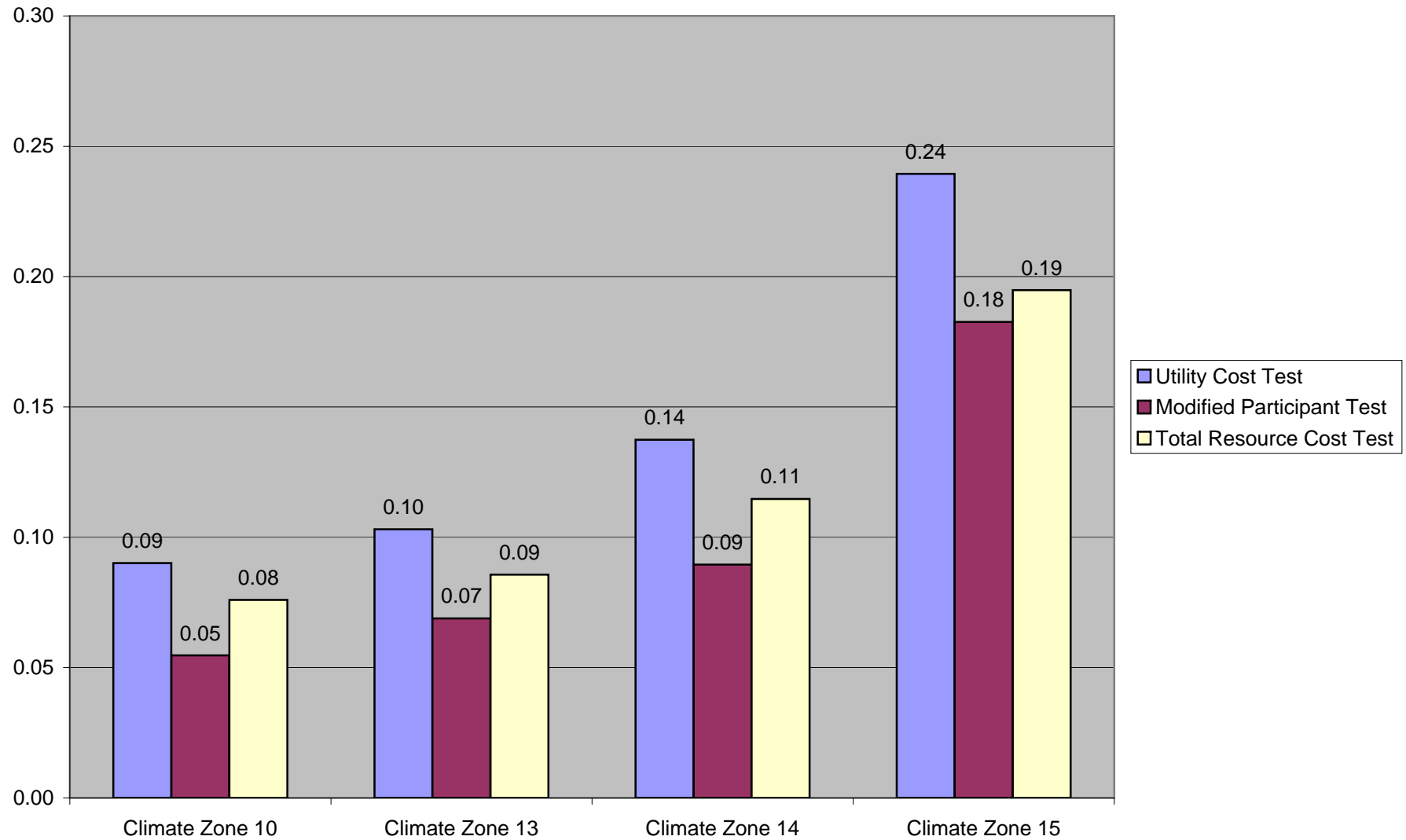
Room AC Mobile Home 2009



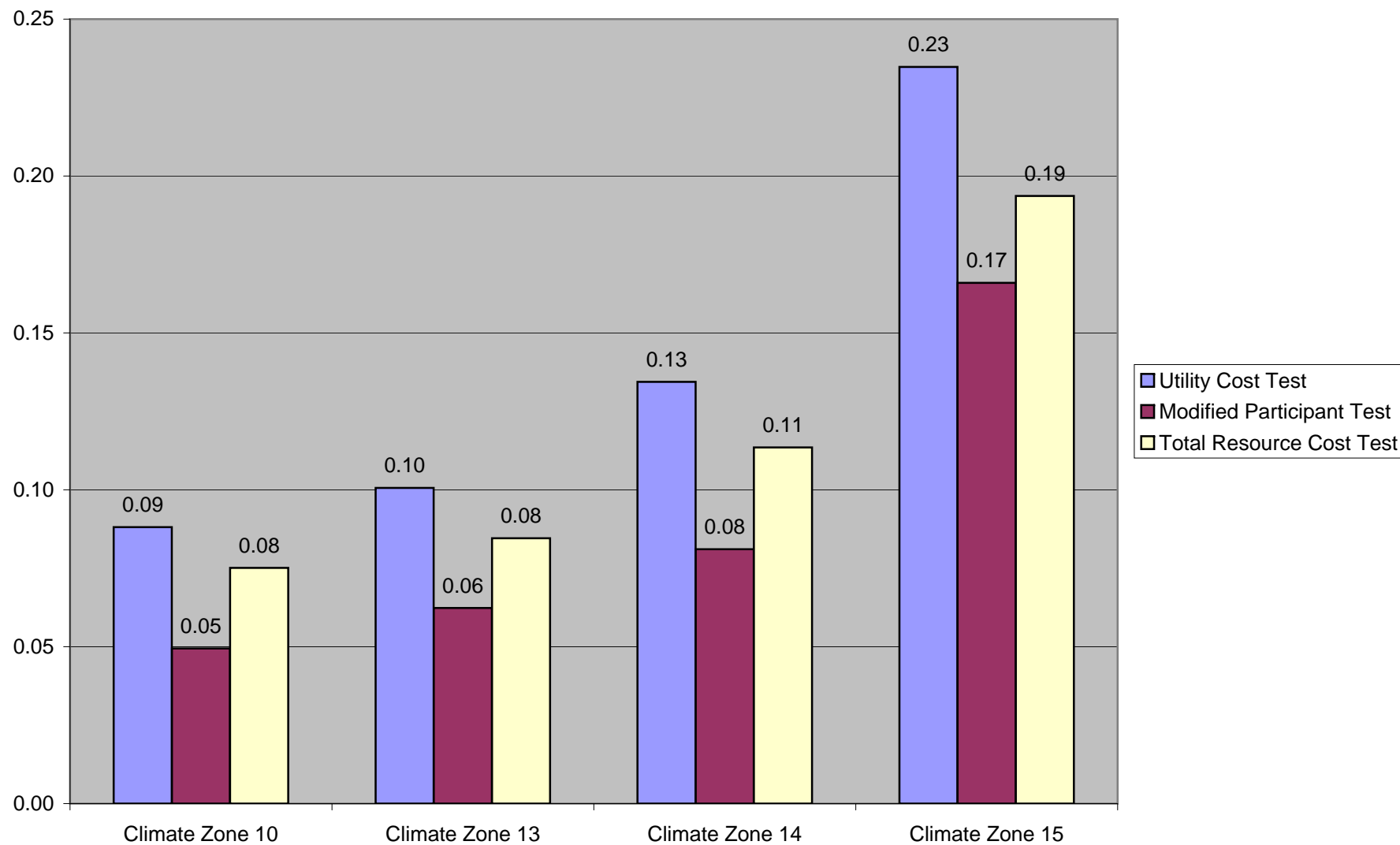
Room AC Multifamily 2011



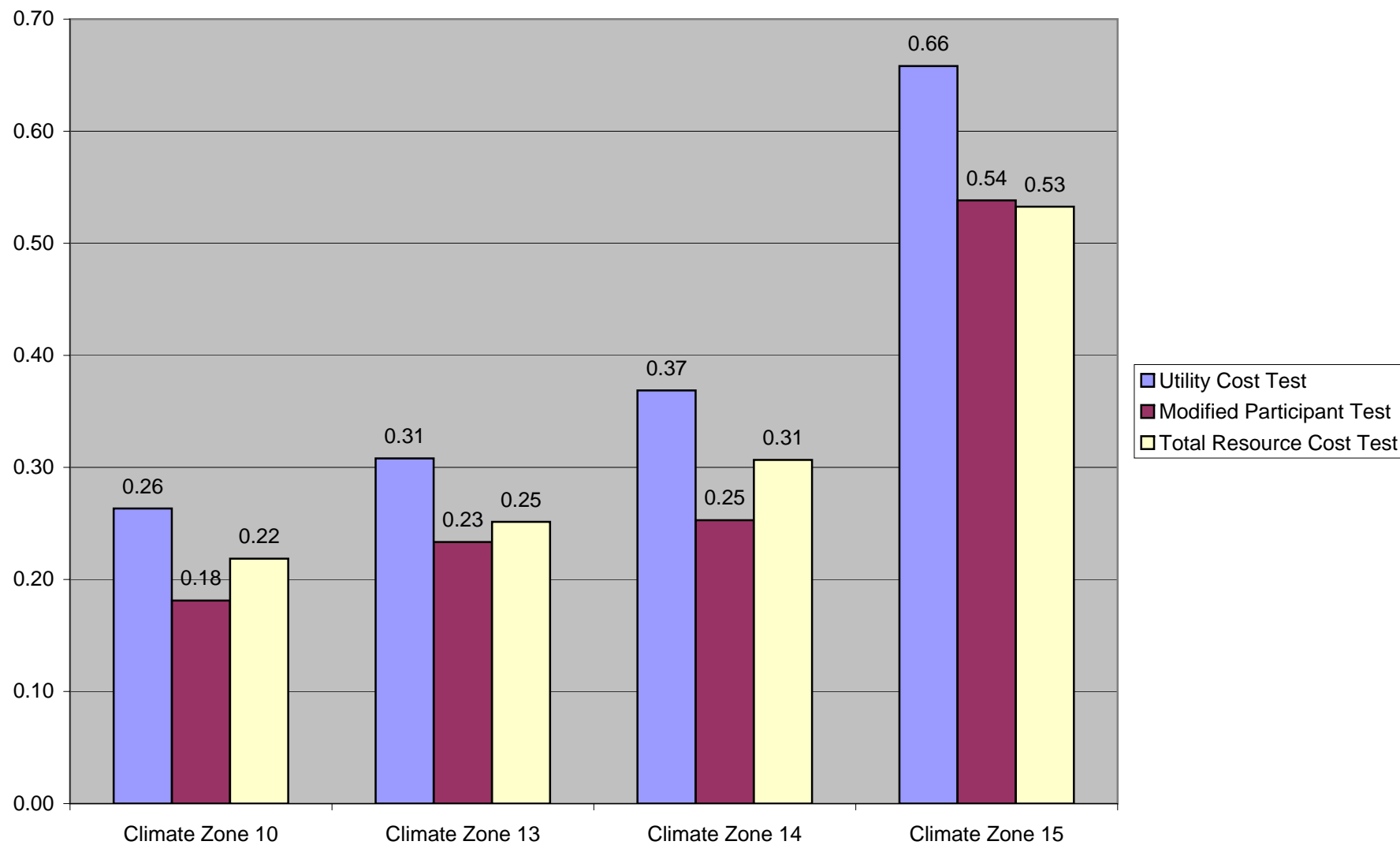
Room AC Multifamily 2010



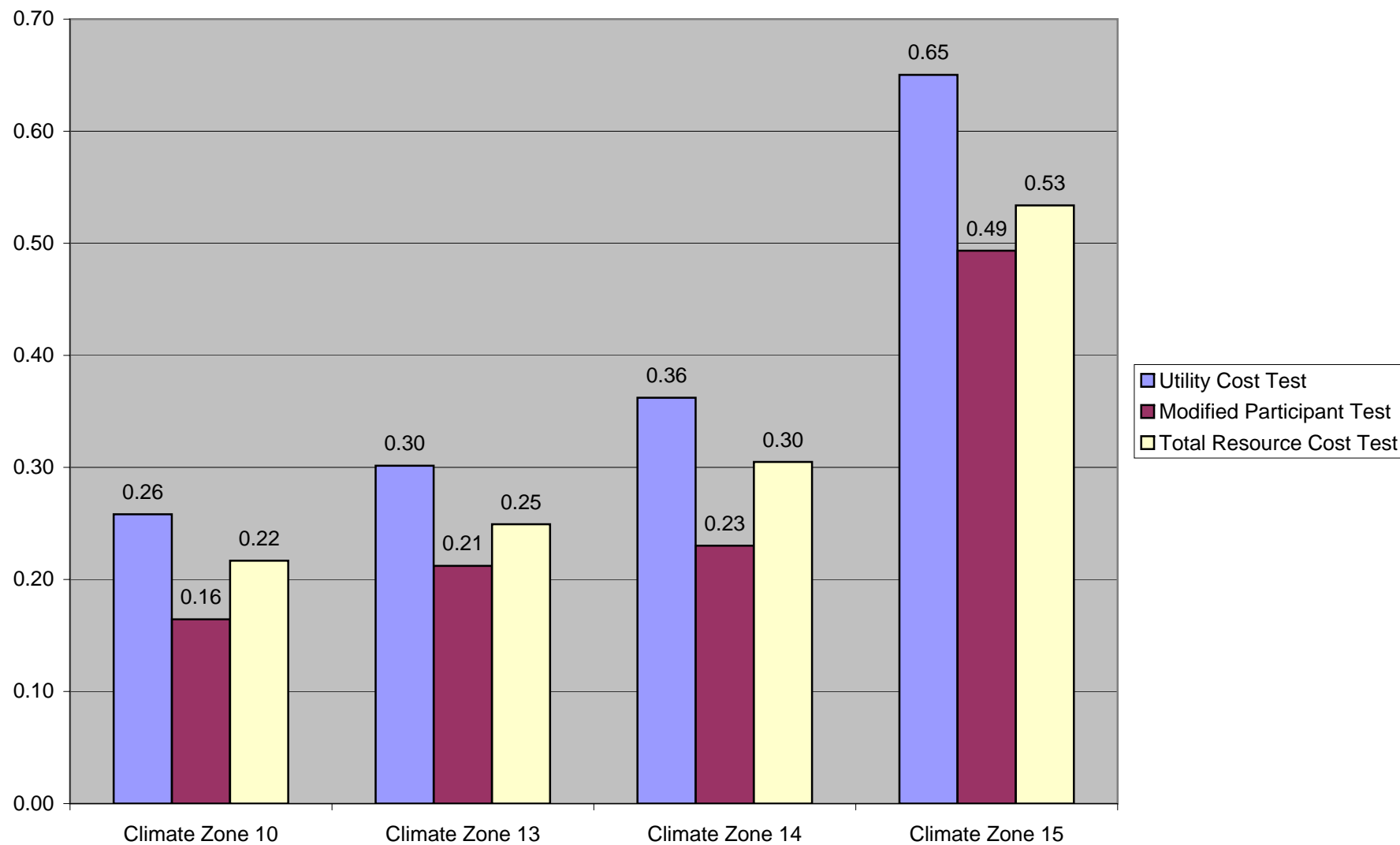
Room ACs Multi-Family 2009



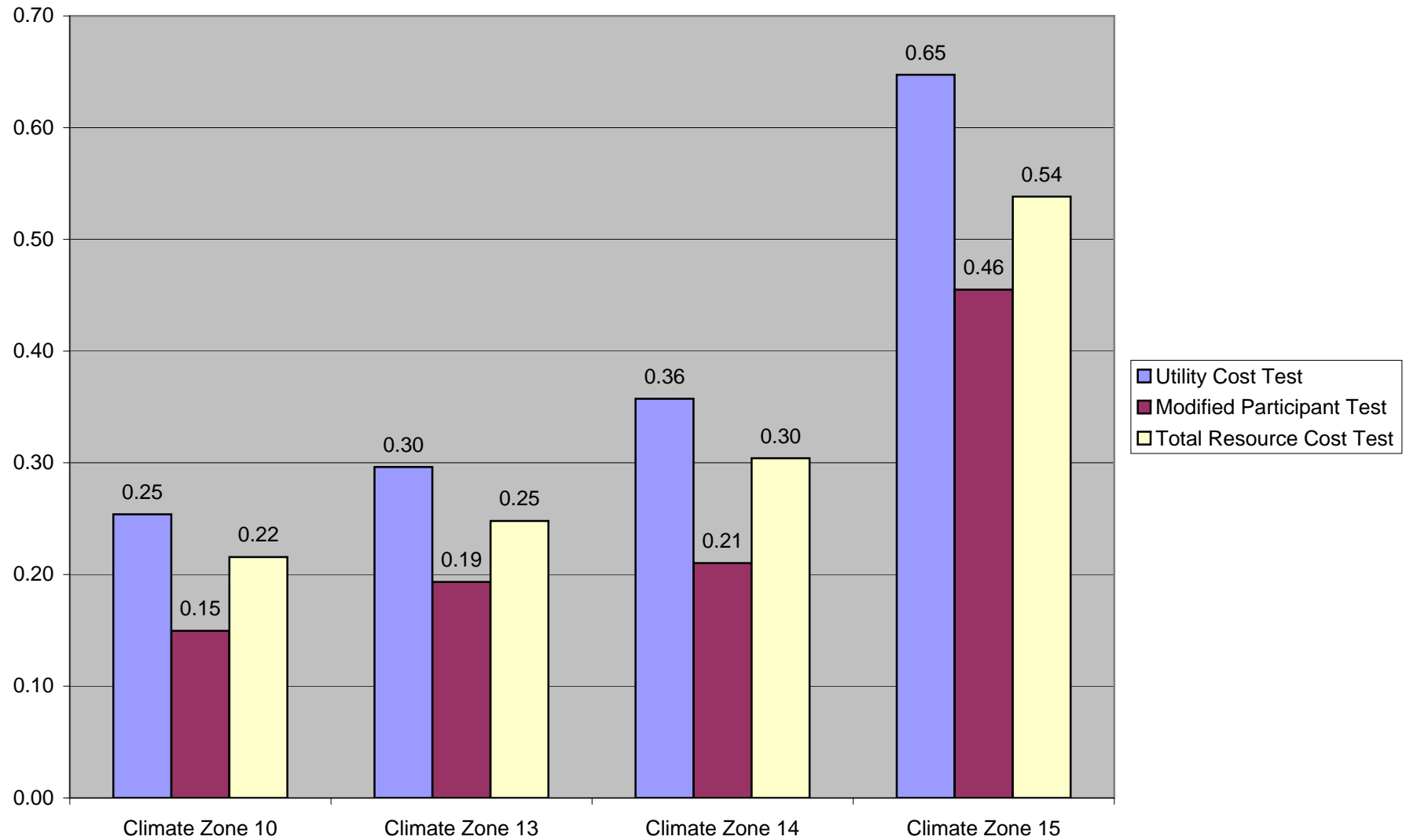
Room AC Single Family 2011



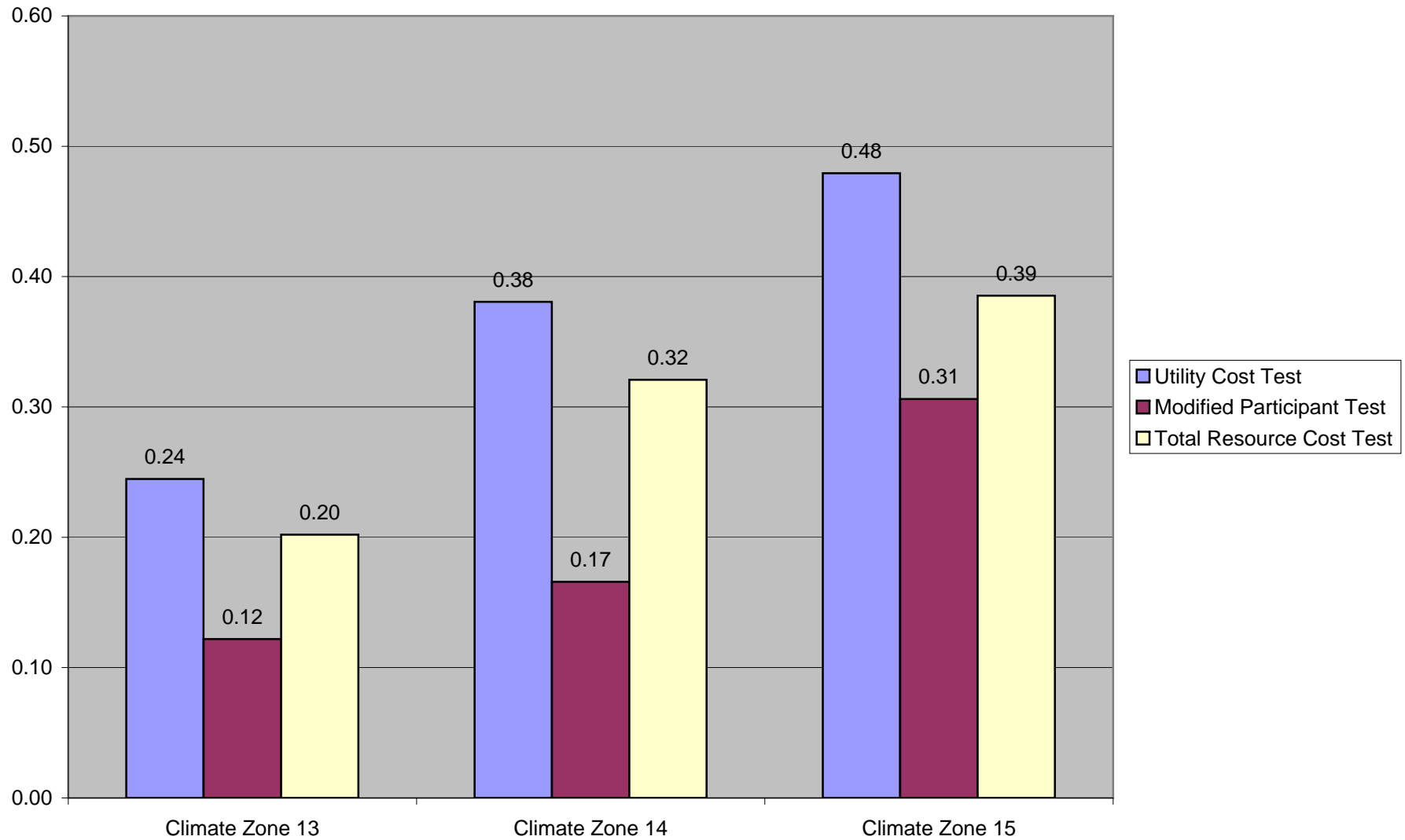
Room AC Single Family 2010



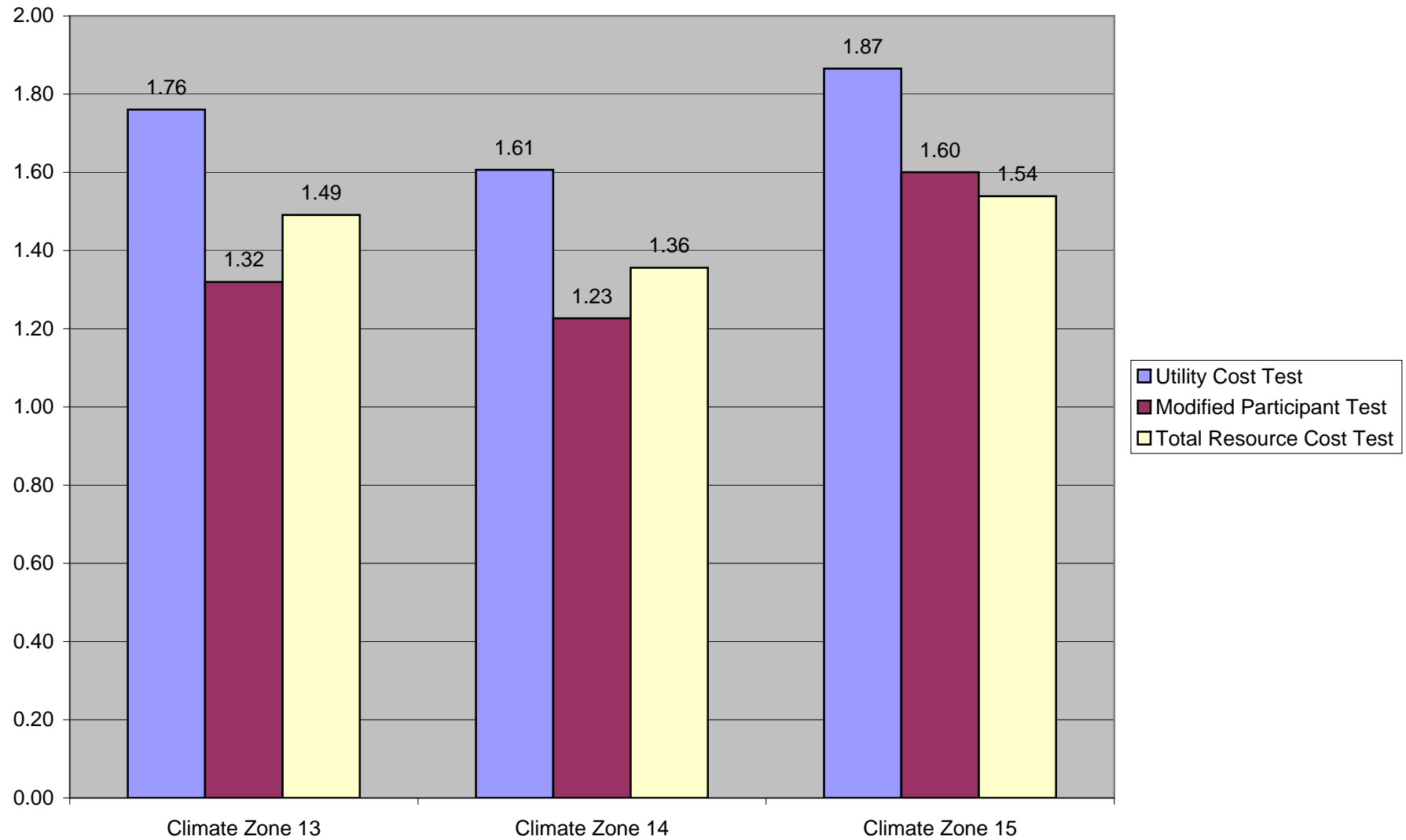
Room AC Single Family 2009



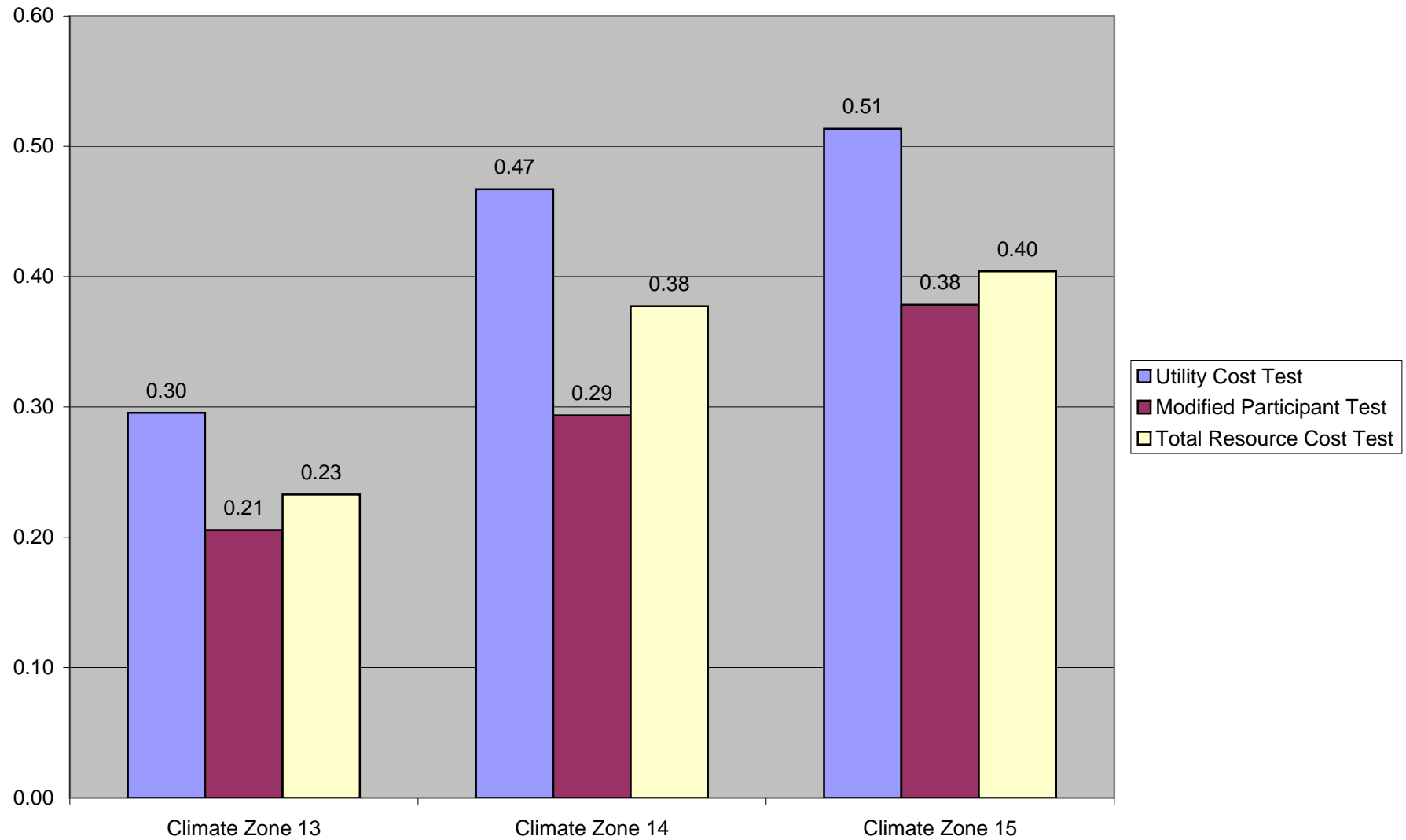
Central AC Installation Single Family 2009



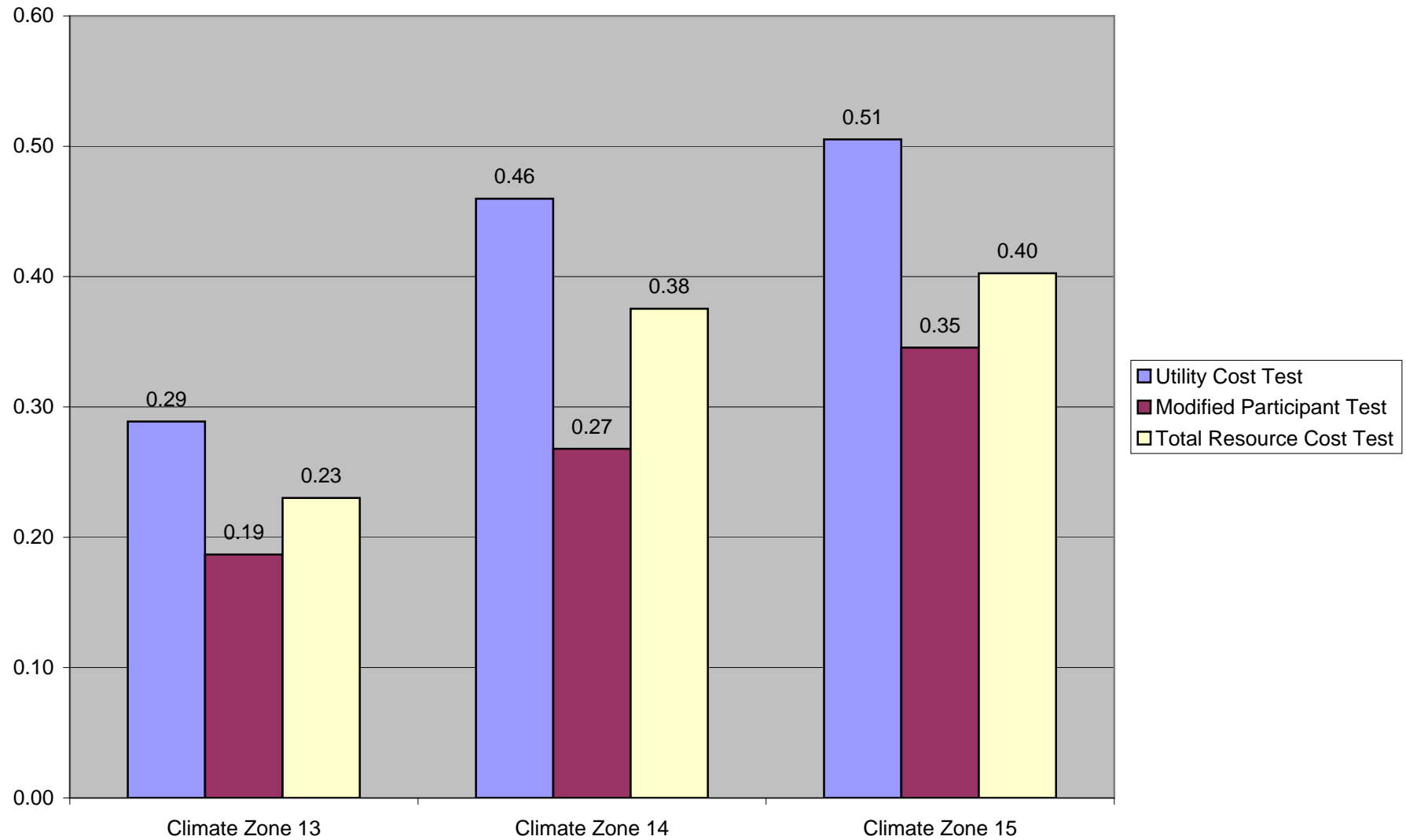
Central AC Service Single Family 2009



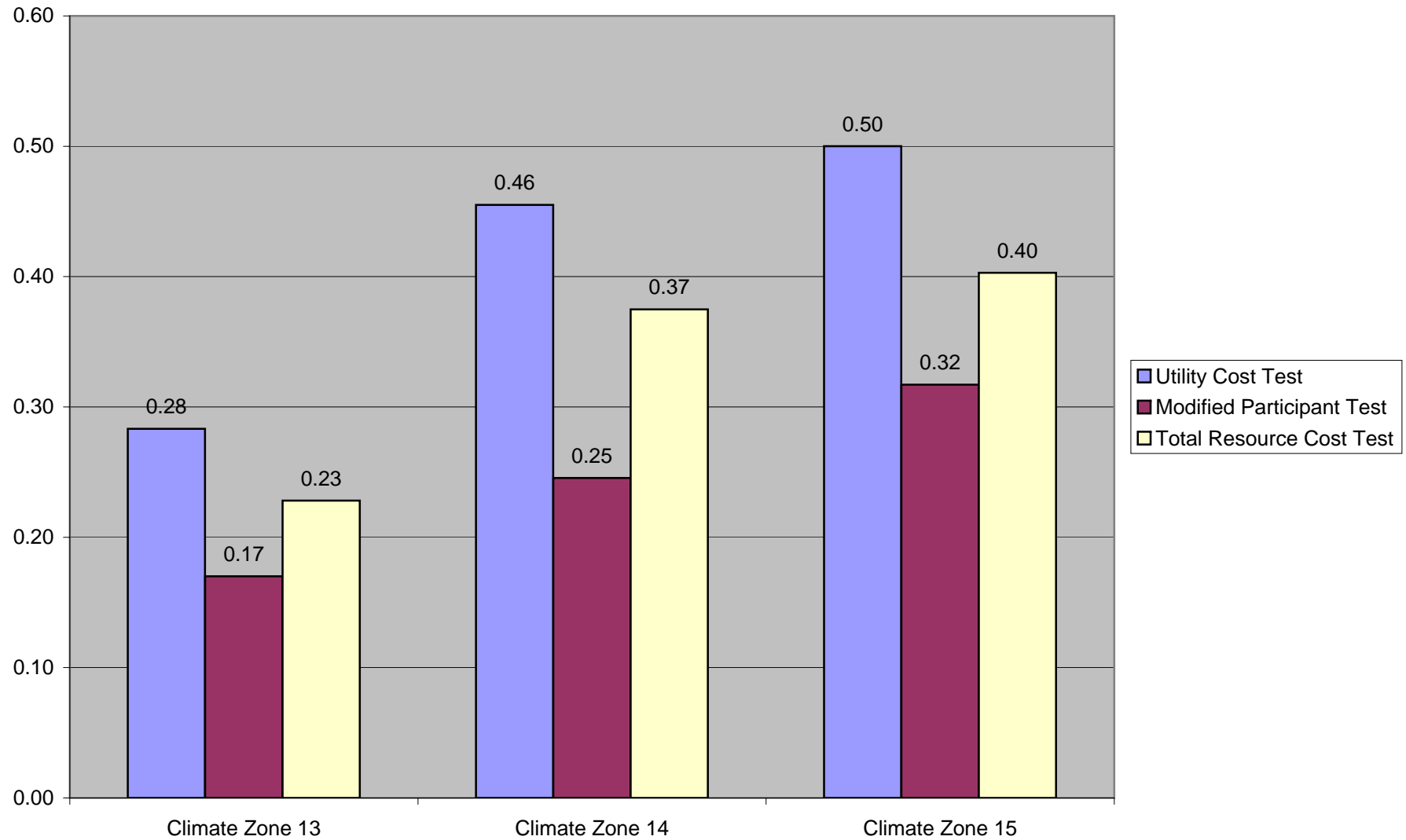
Central AC Installation Mobile Home 2011



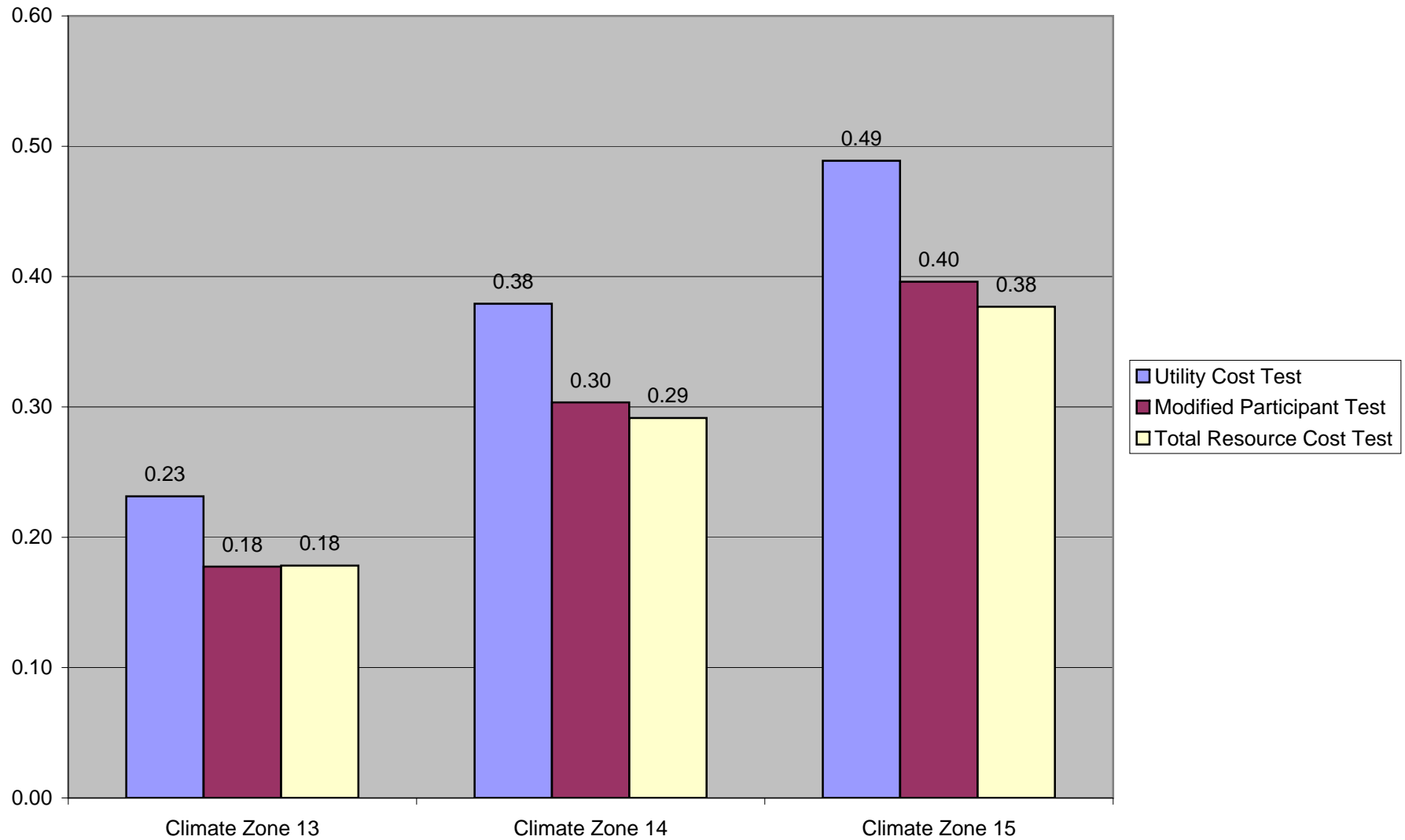
Central AC Installation Mobile Home 2010



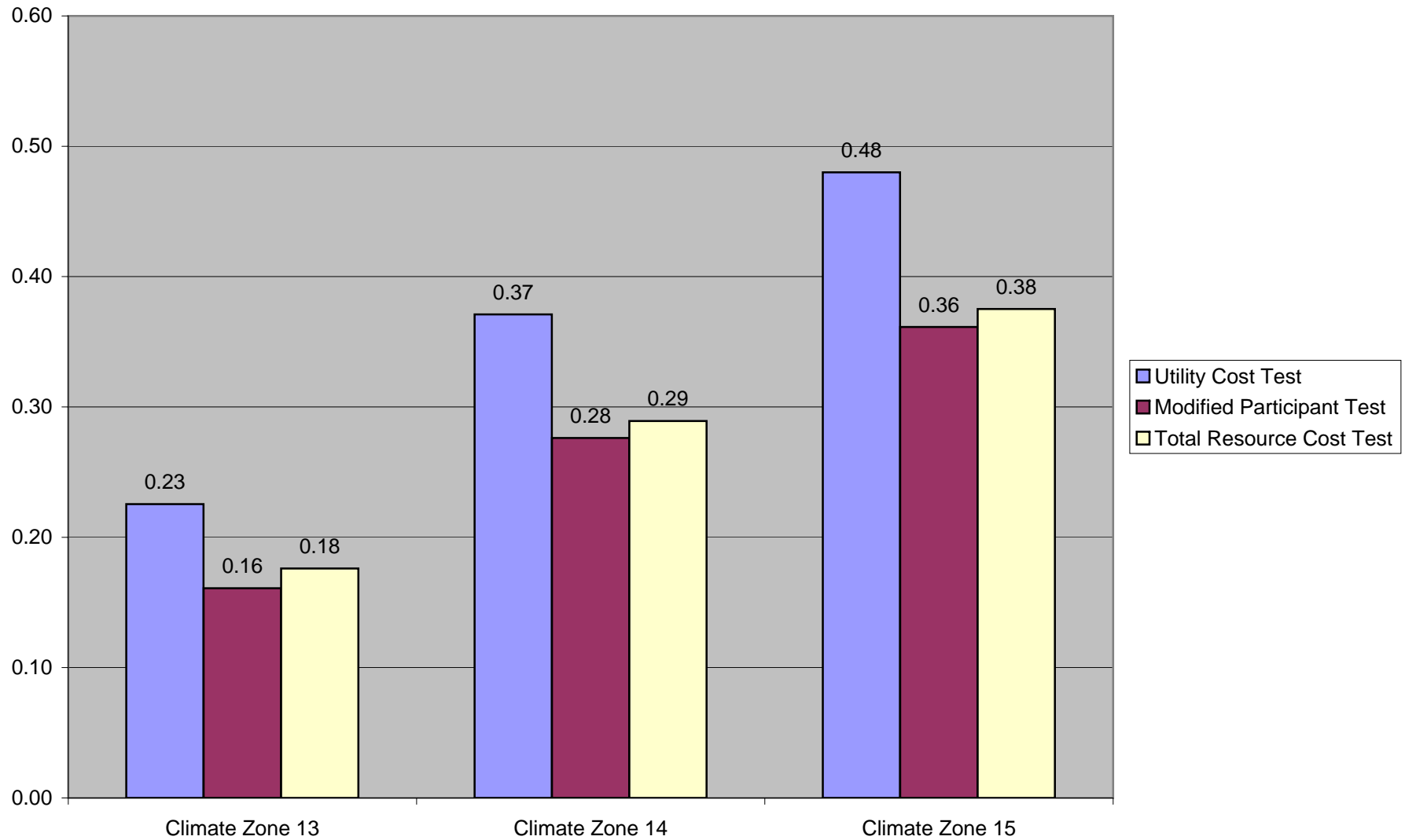
Central AC Installation Mobile Home 2009



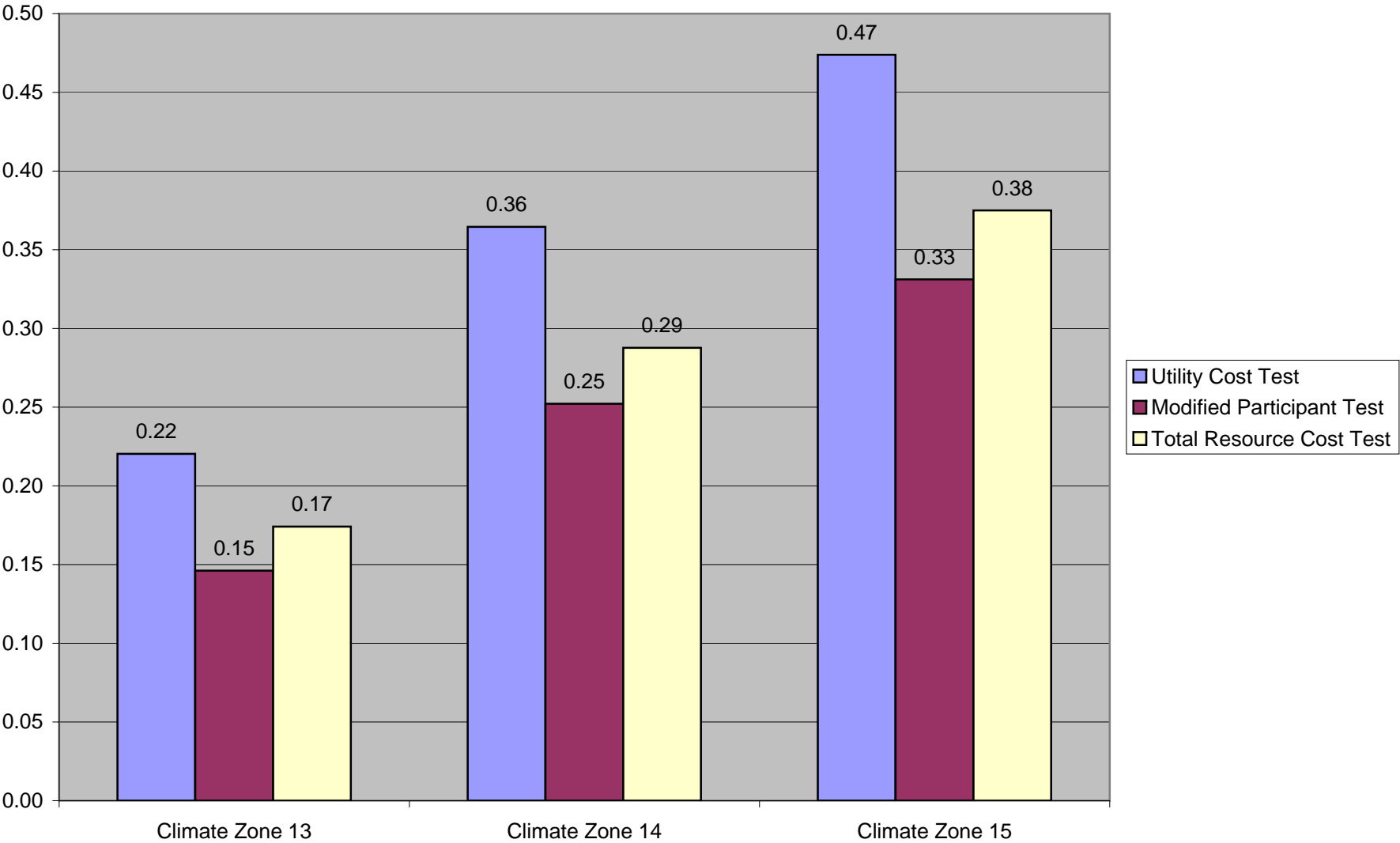
Central AC Installation Multifamily 2011



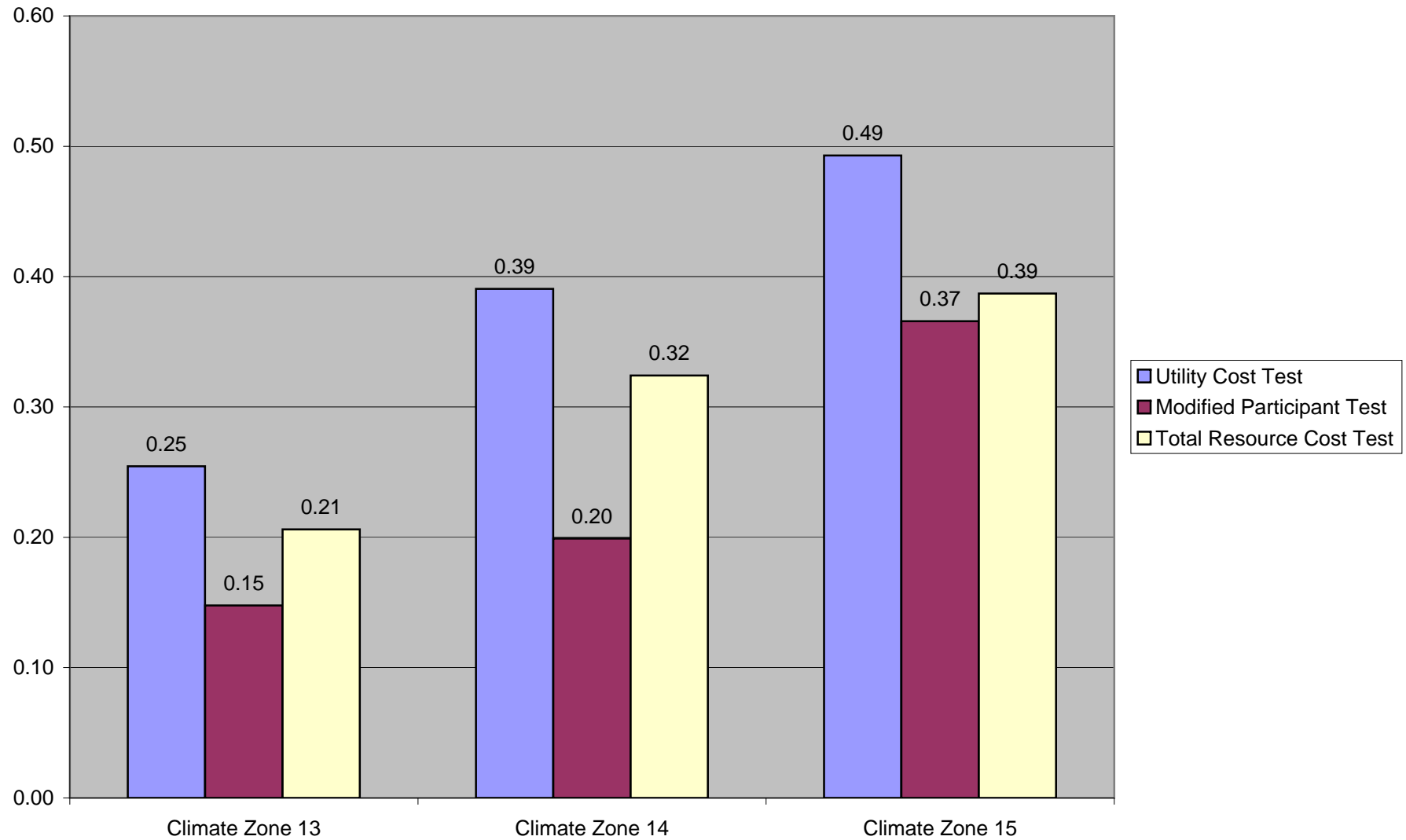
Central AC Installation Multifamily 2010



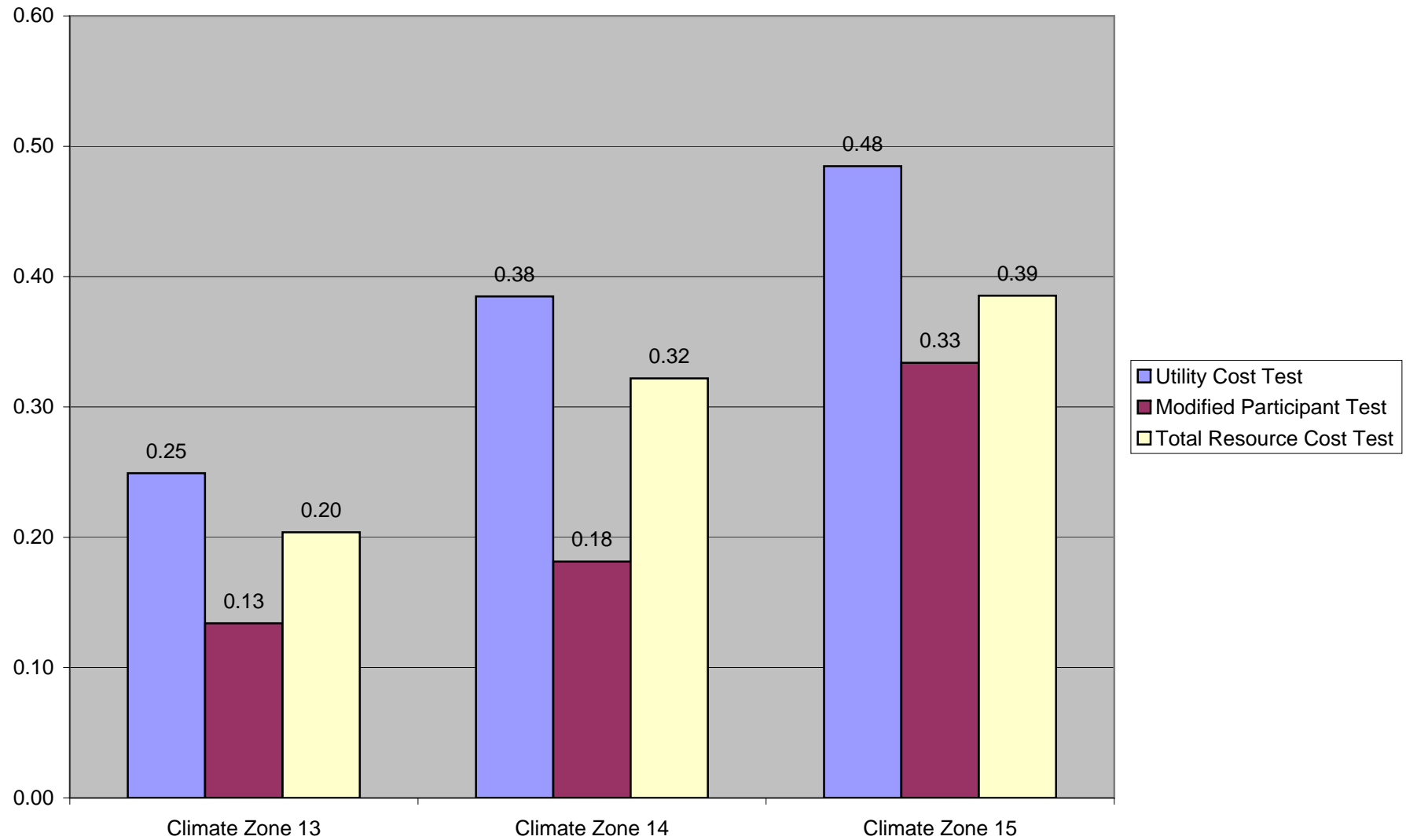
Central AC Installation Multi-Family 2009



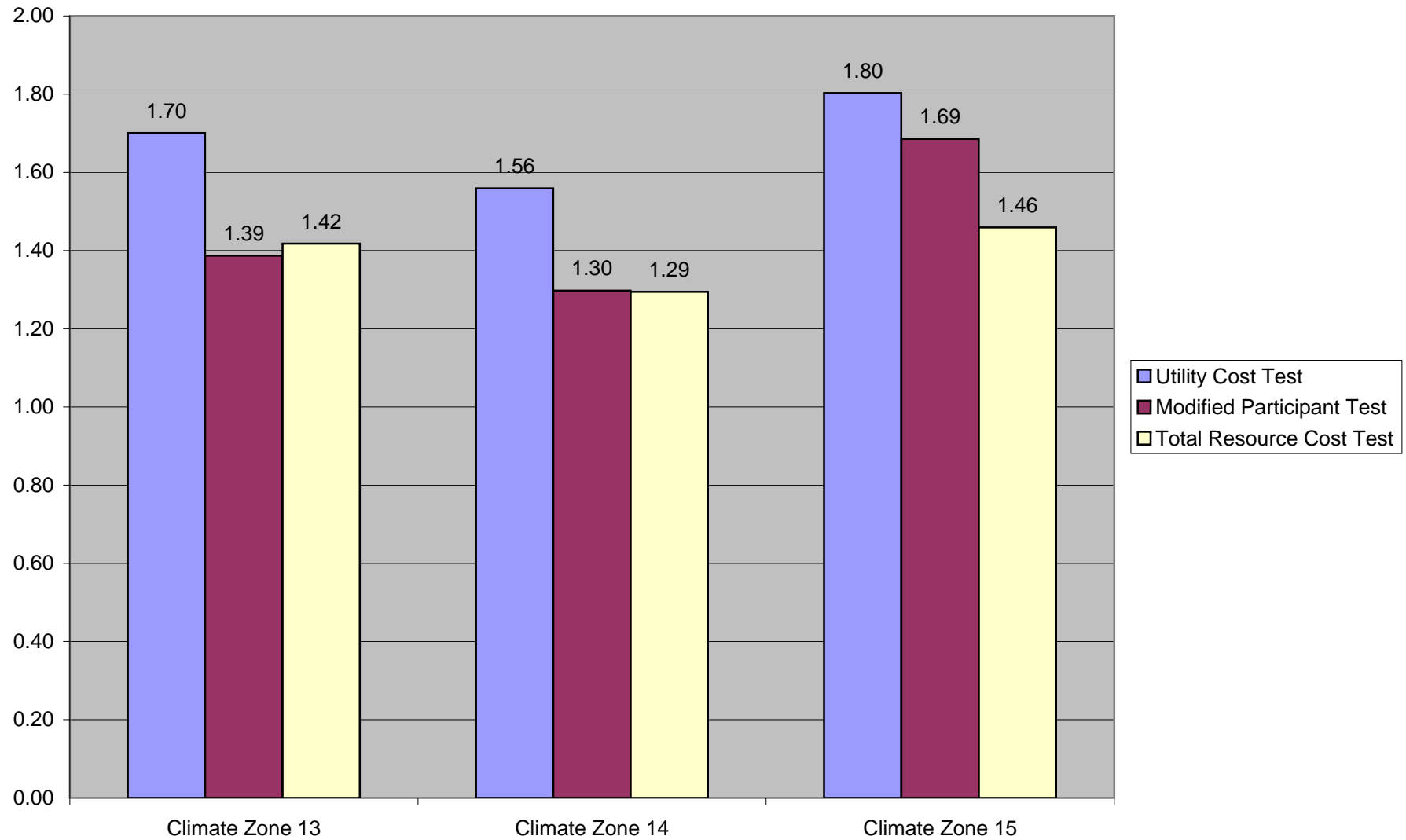
Central AC Installation Single Family 2011



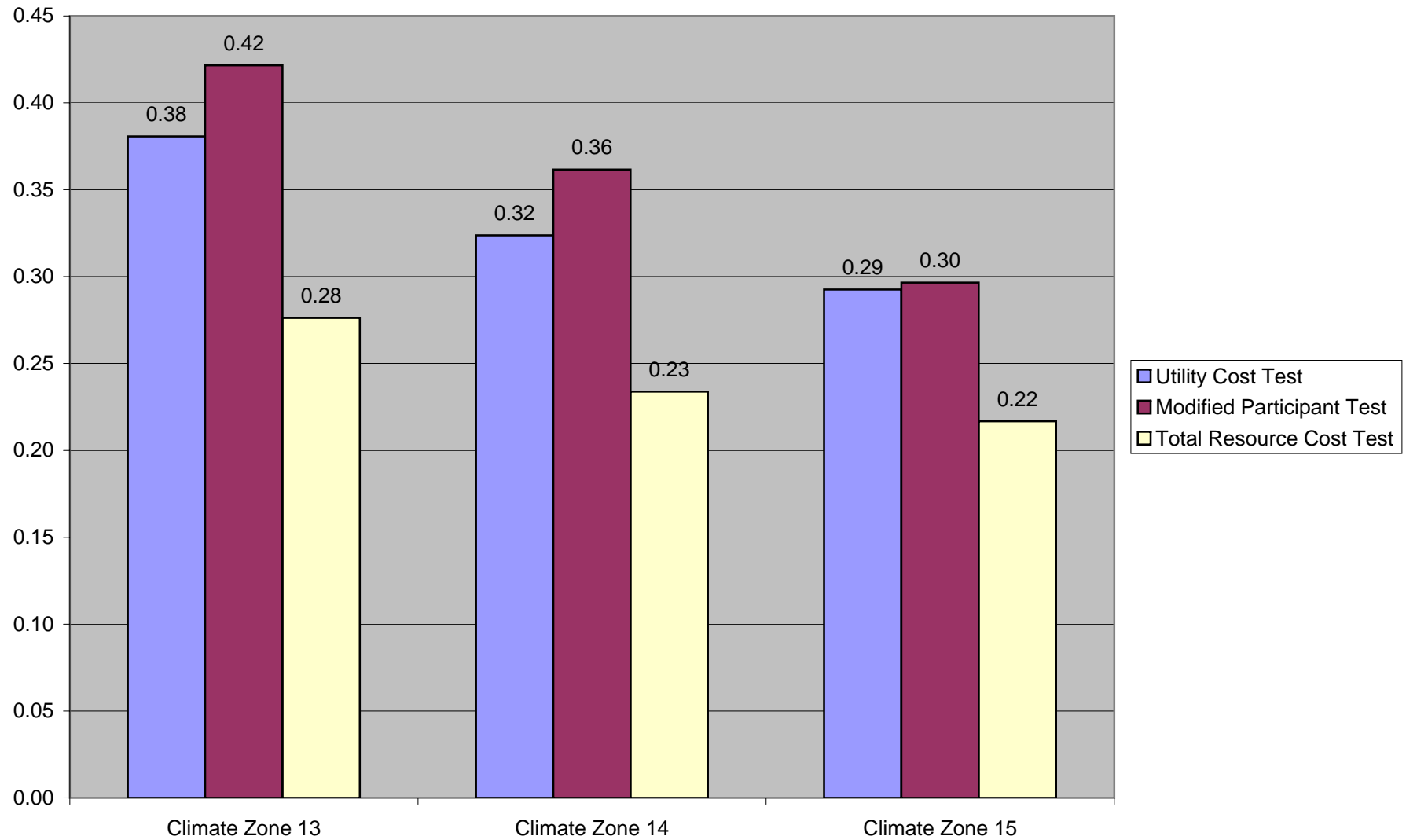
Central AC Installation Single Family 2010



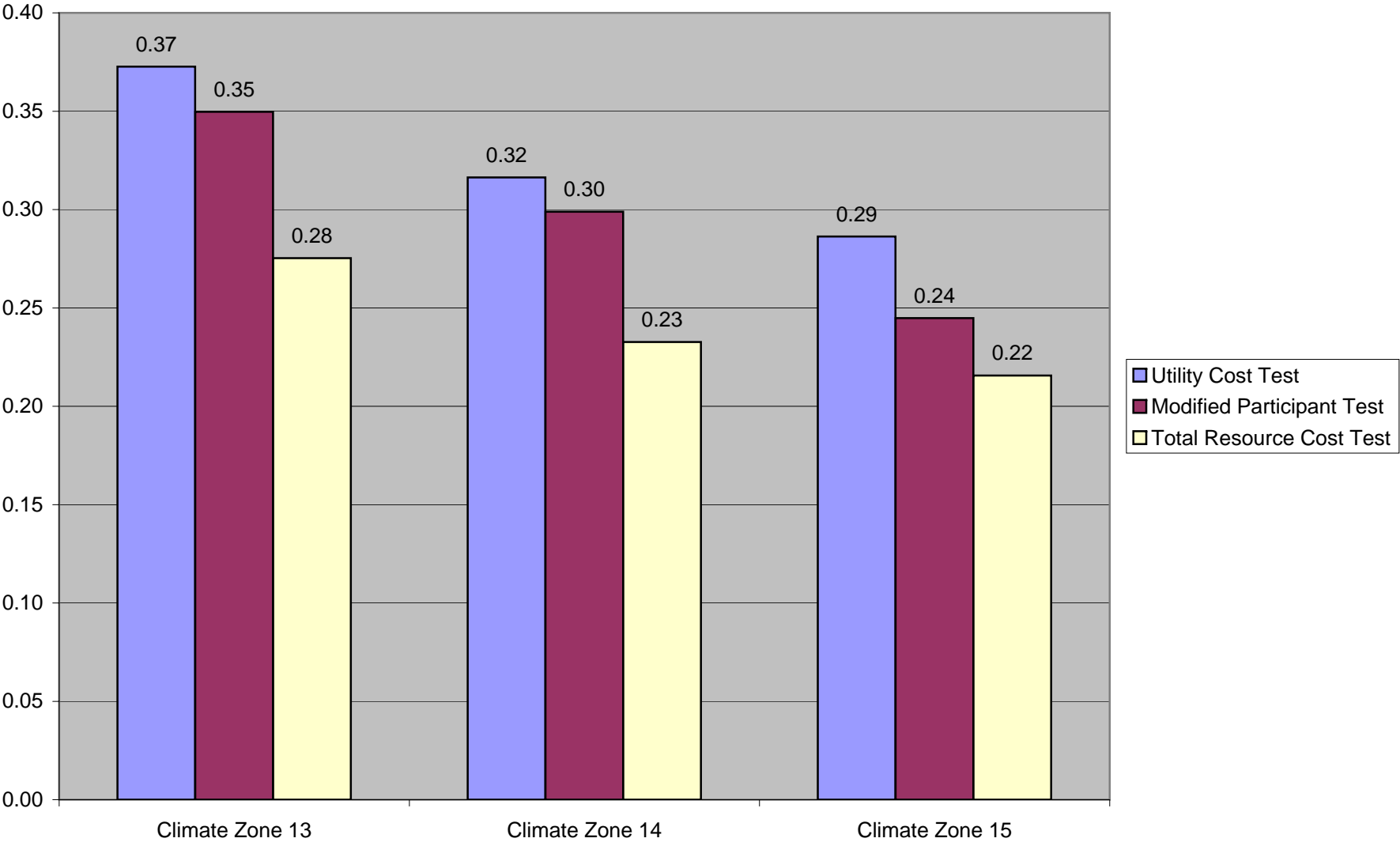
Central AC Service Single Family 2010



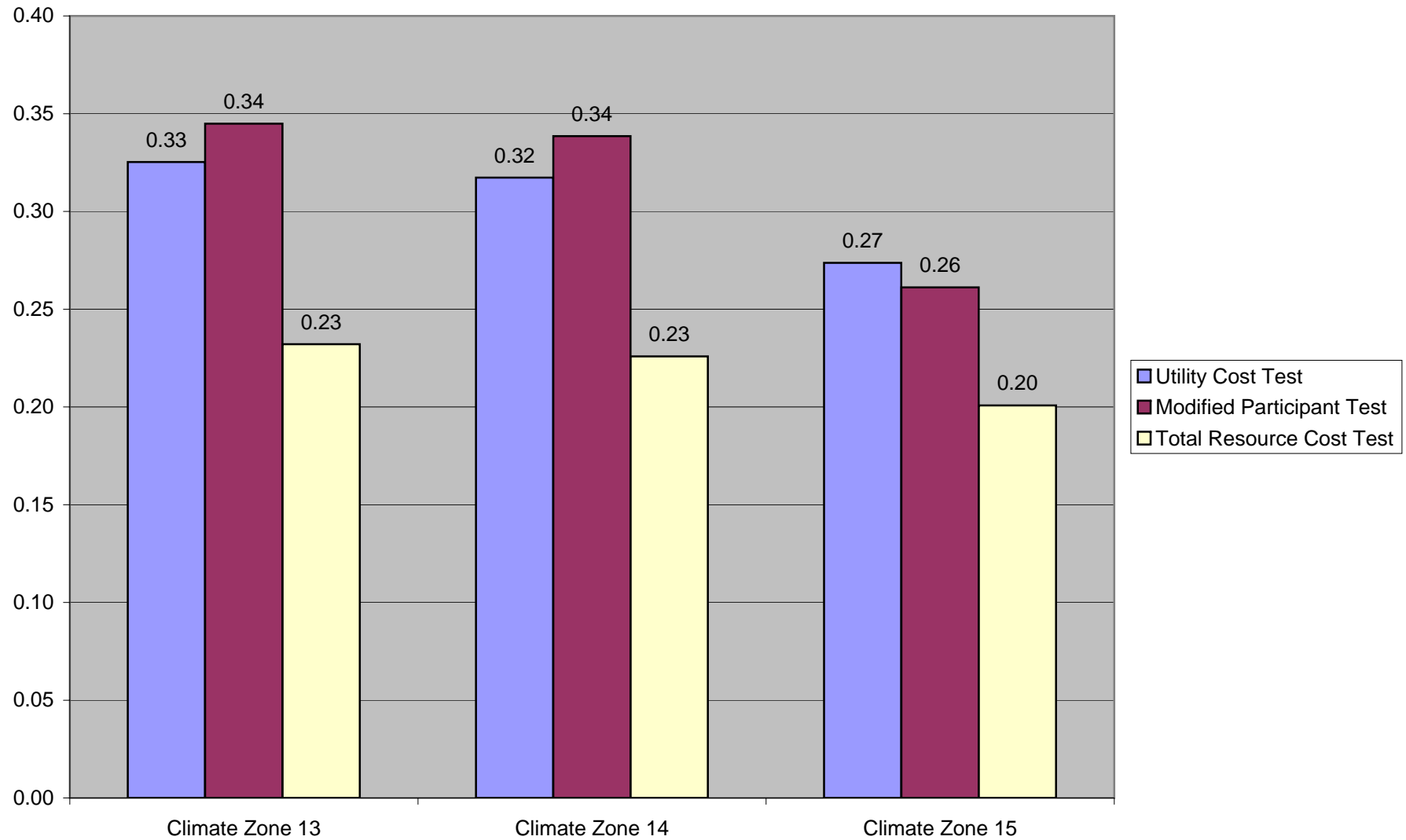
Heat Pump Replacement Multifamily 2010



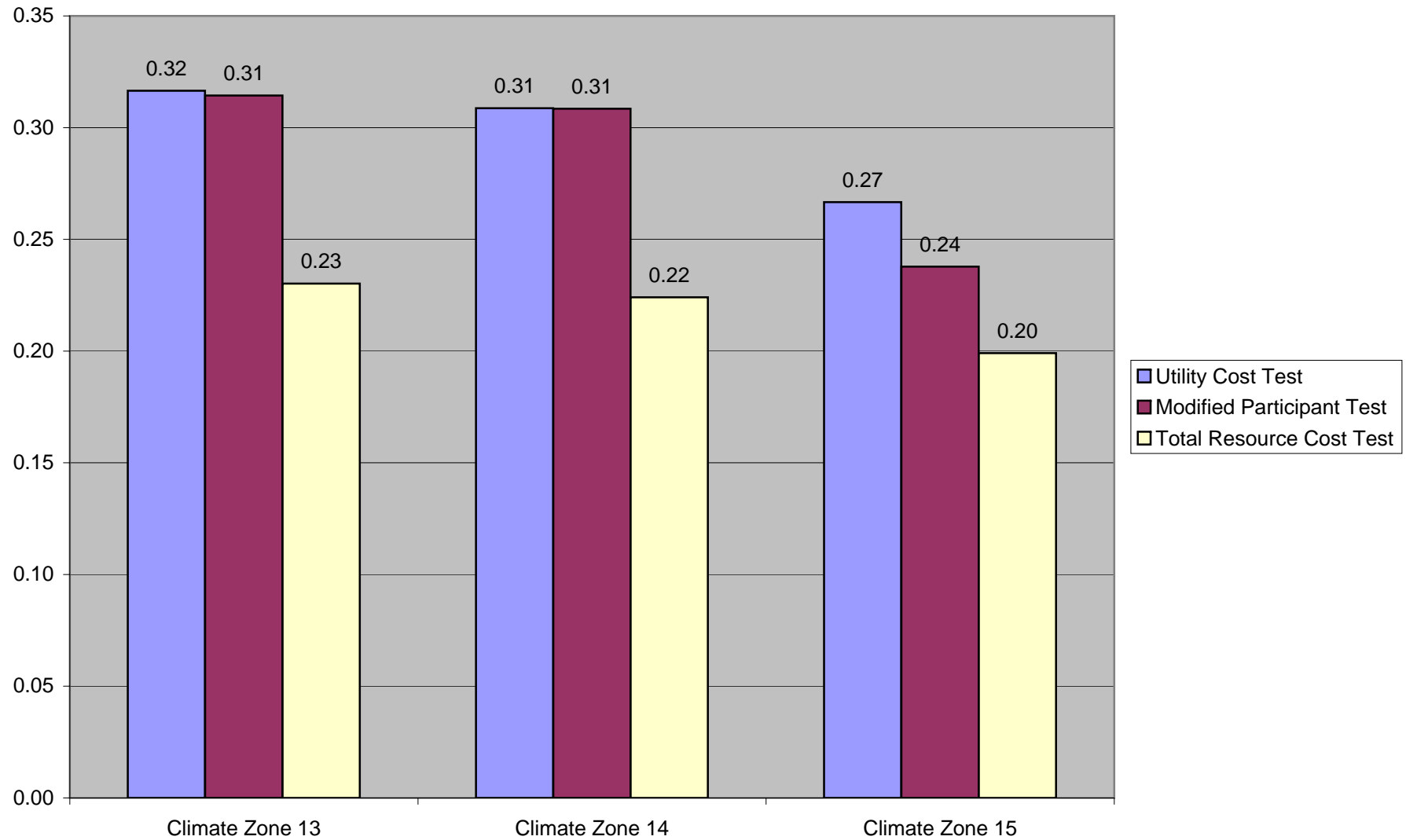
Heat Pump Replacement Multi-Family 2009



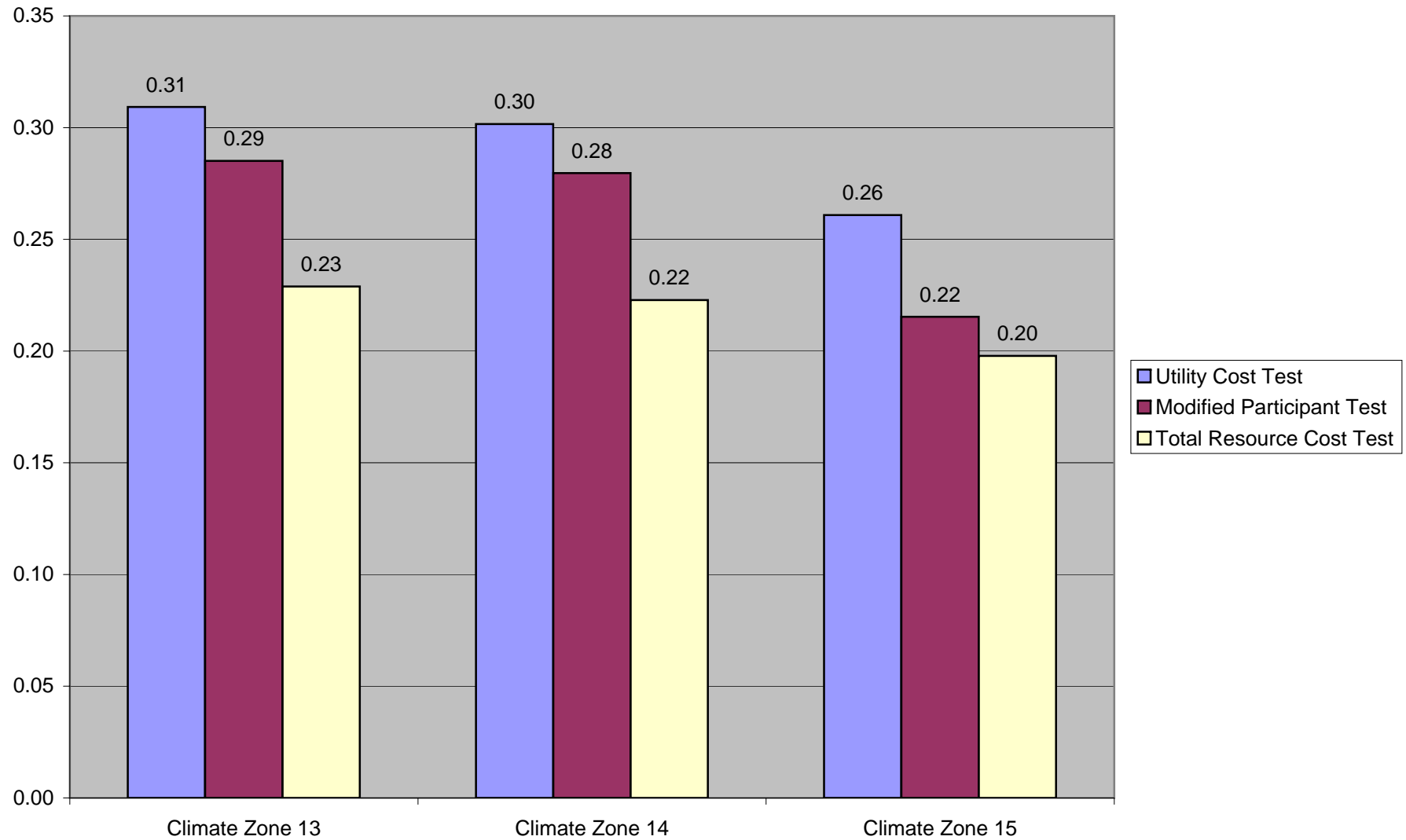
Heat Pump Replacement Single Family 2011



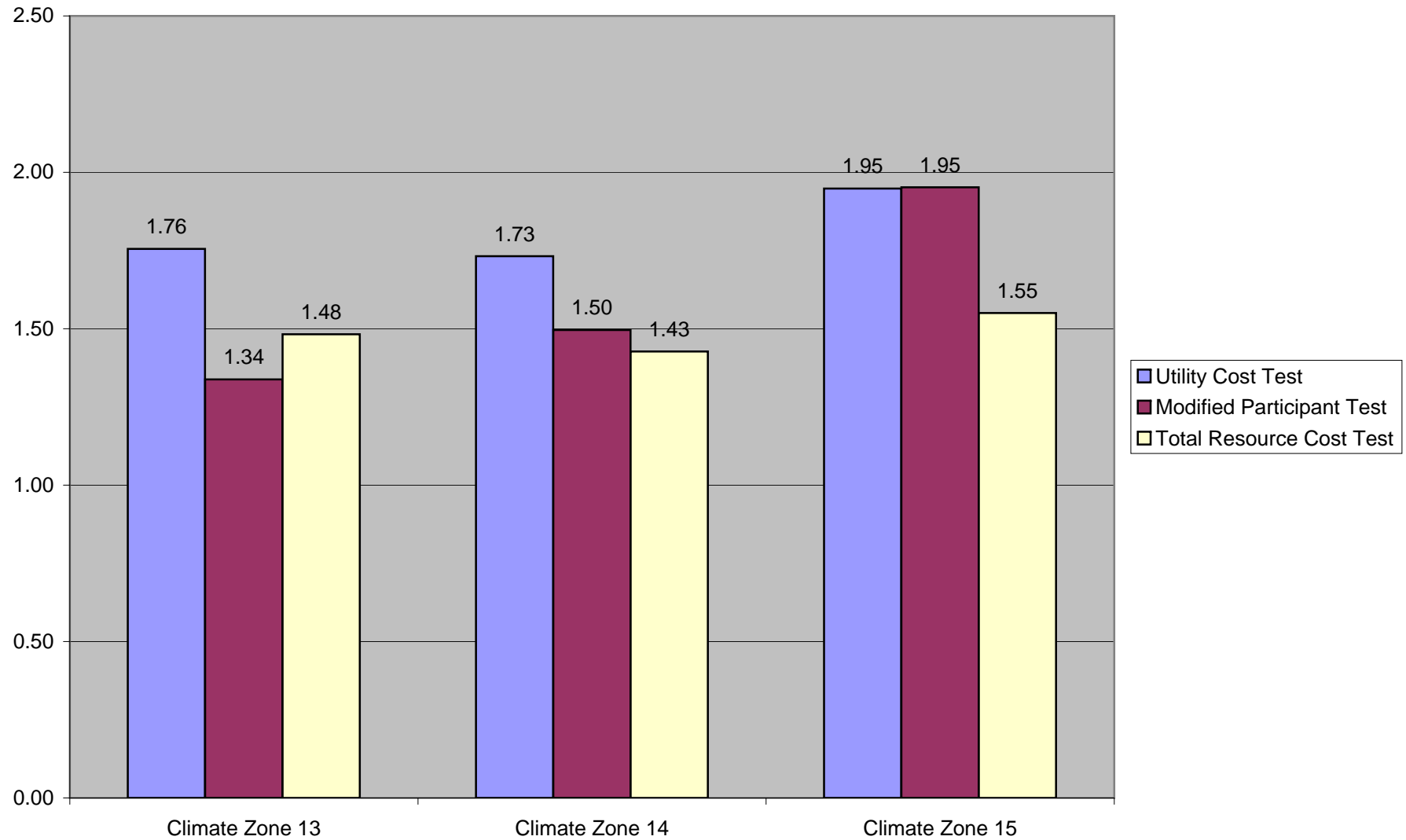
Heat Pump Replacement Single Family 2010



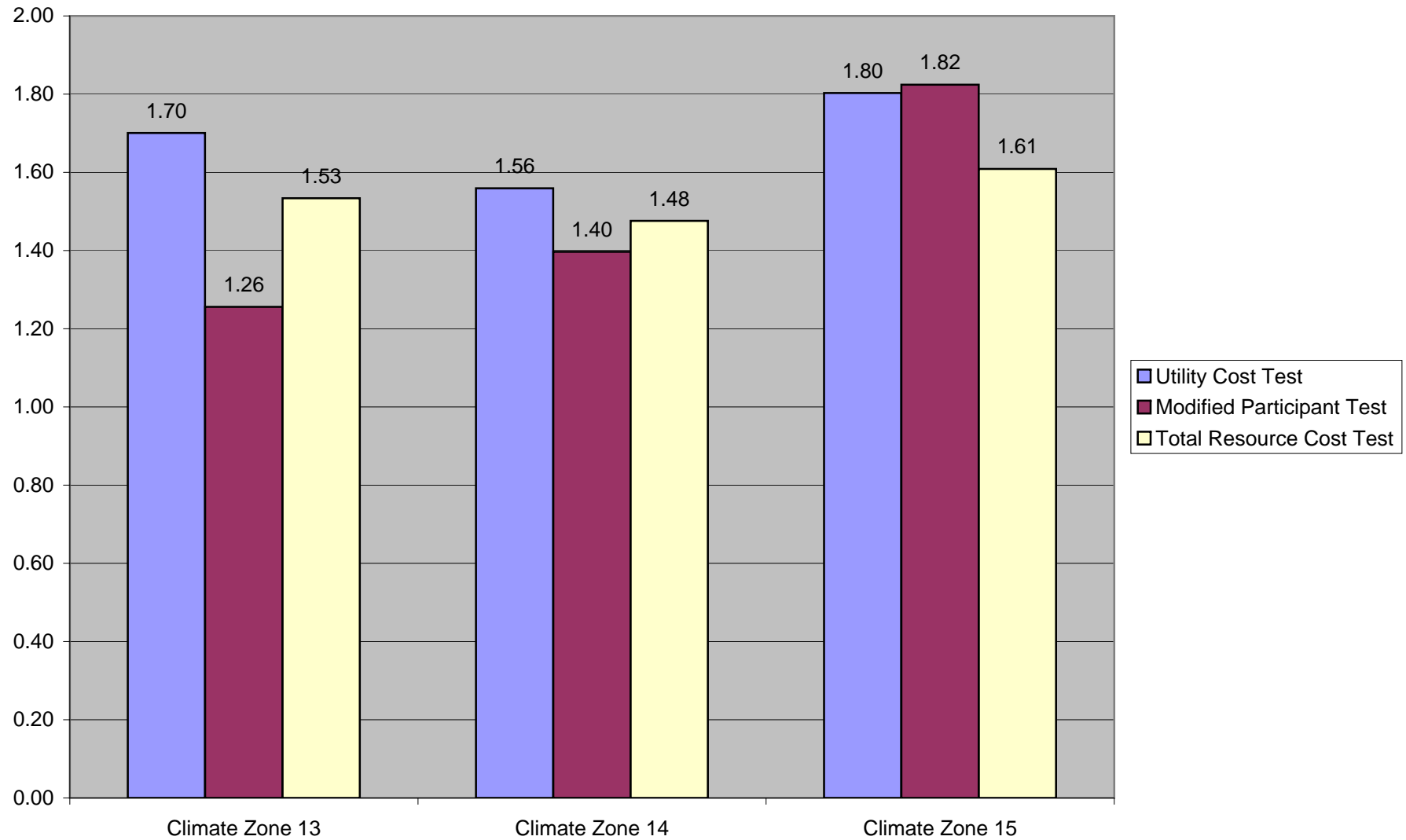
Heat Pump Replacement Single Family 2009



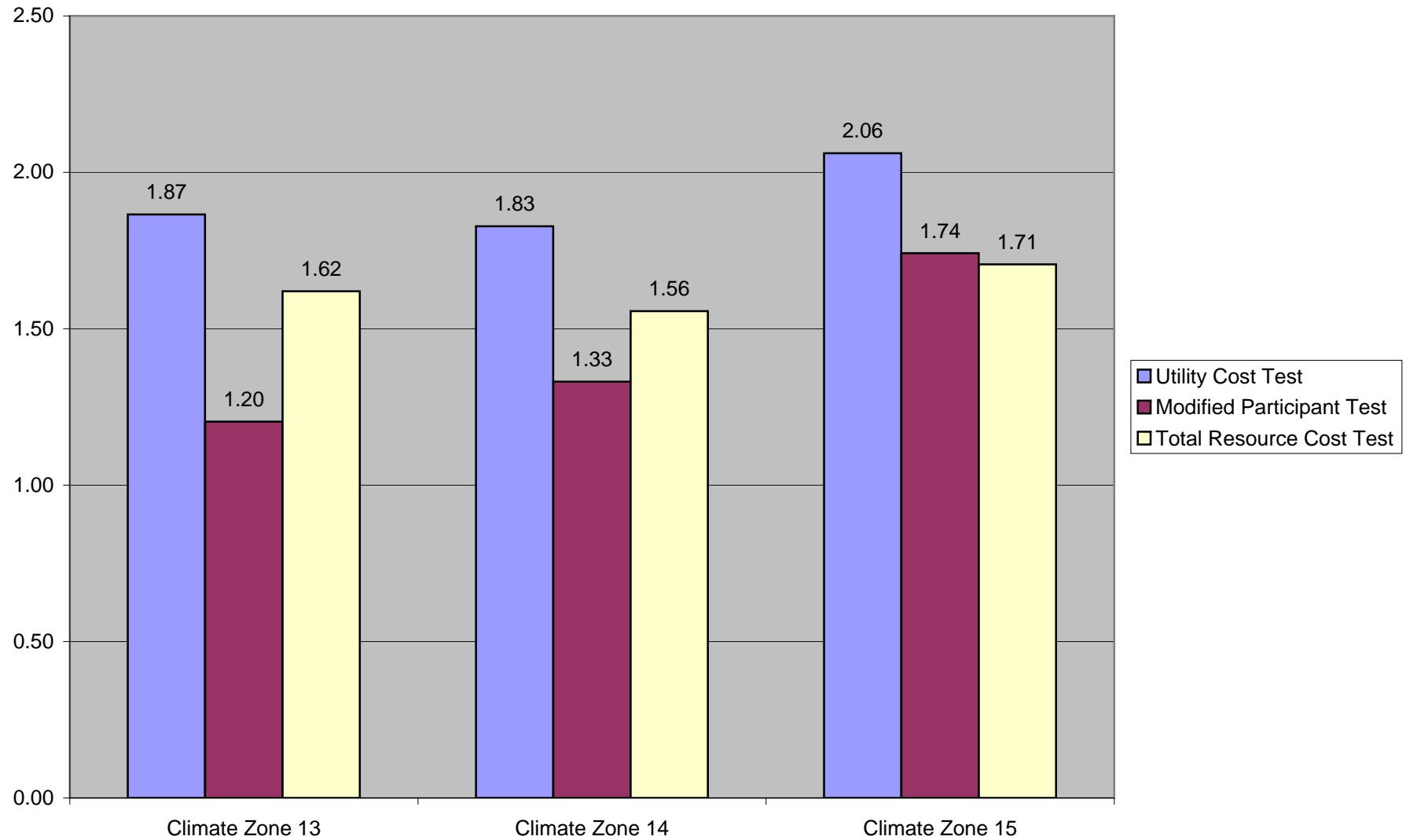
Central AC Service Mobile Home 2011



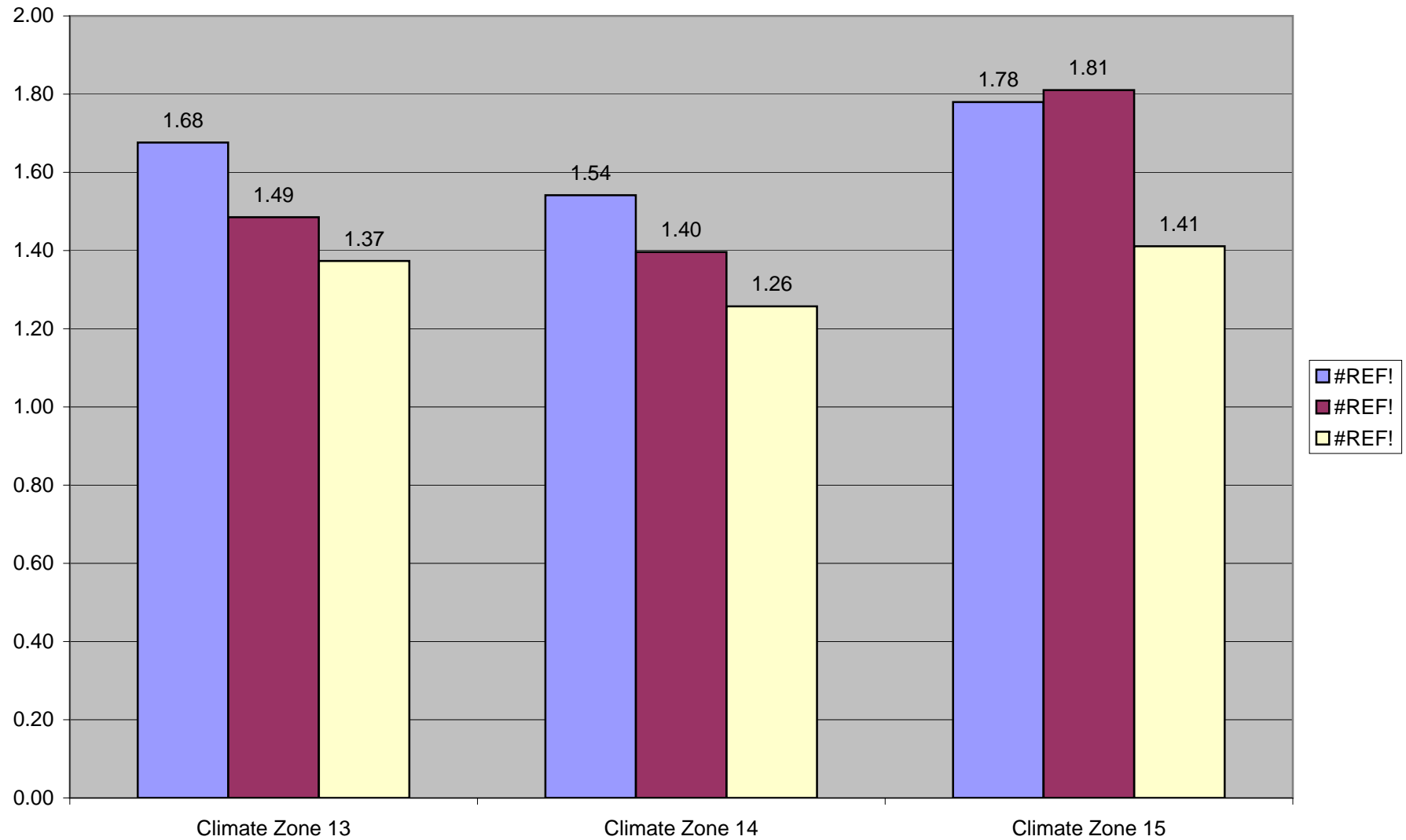
Central AC Service Mobile Home 2010



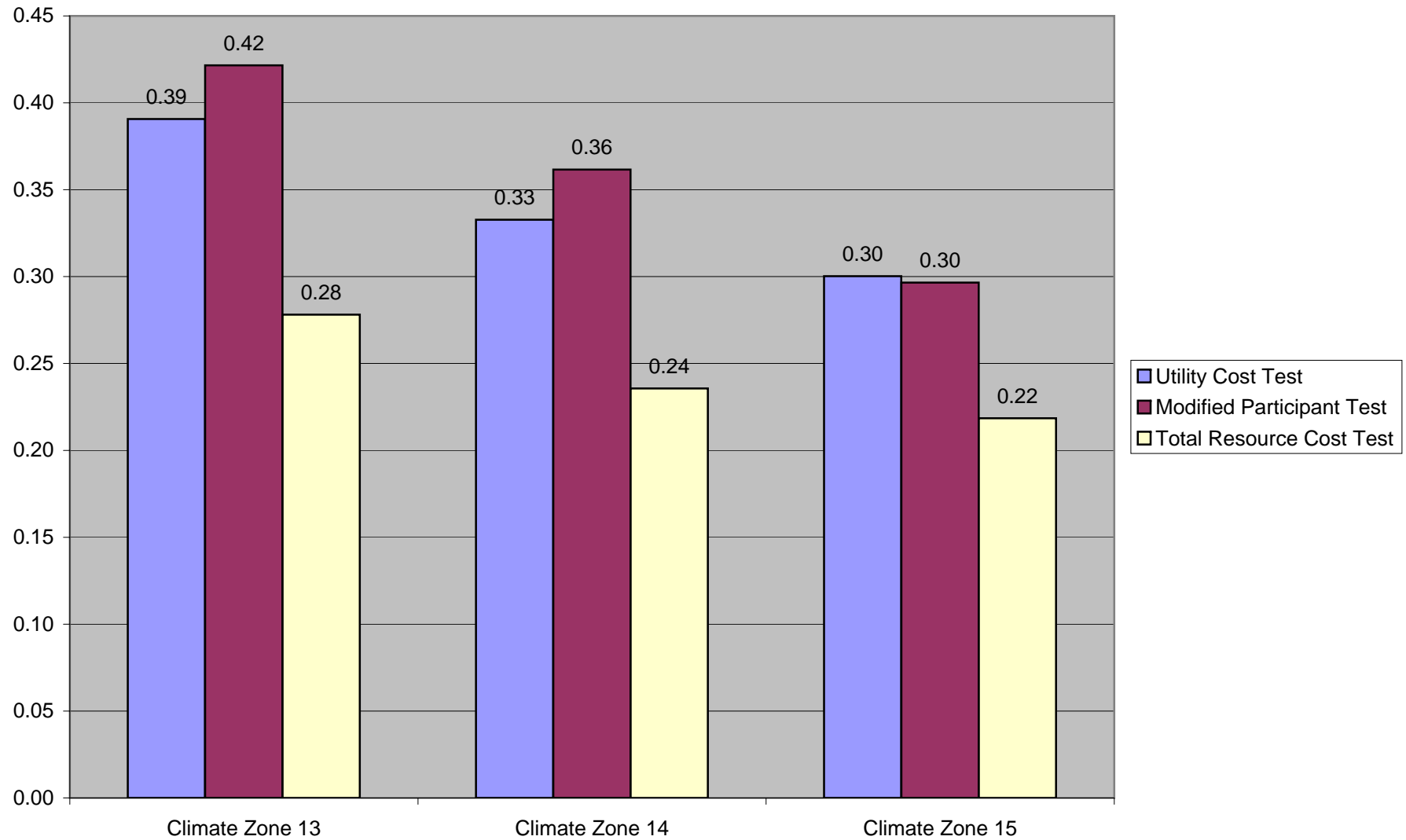
Central AC Service Mobile Home 2009



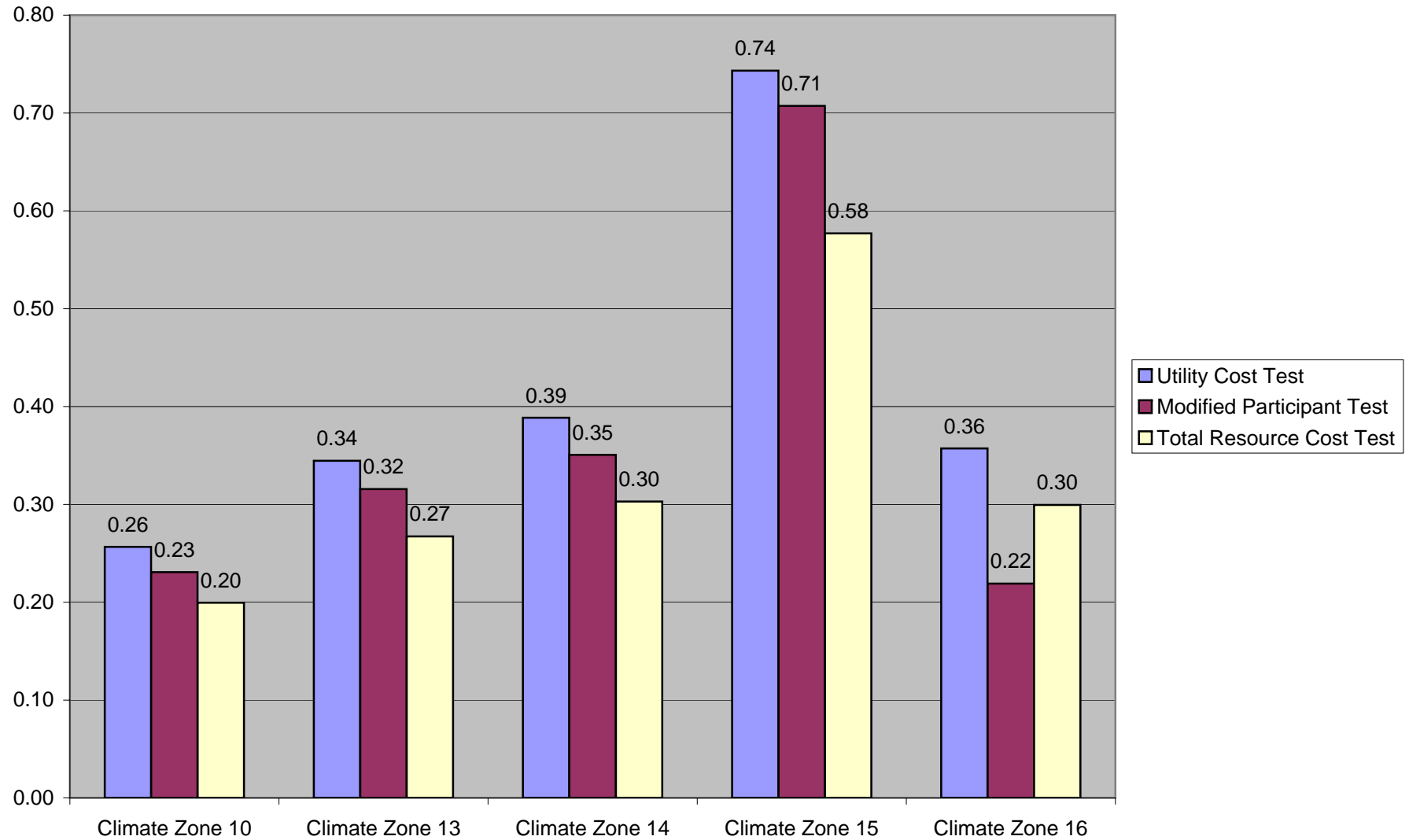
Central AC Service Single Family 2011



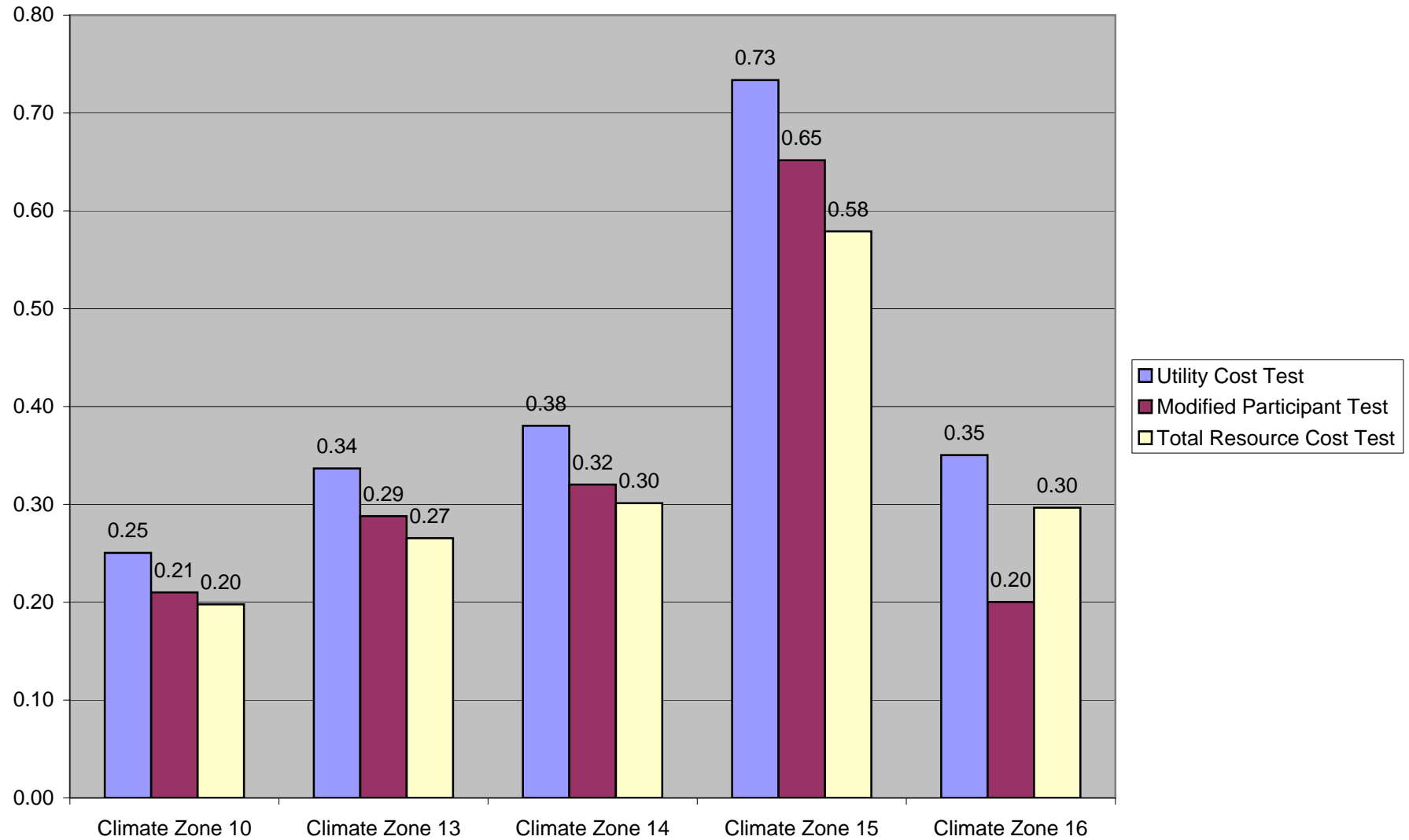
Heat Pump Replacement Multifamily 2011



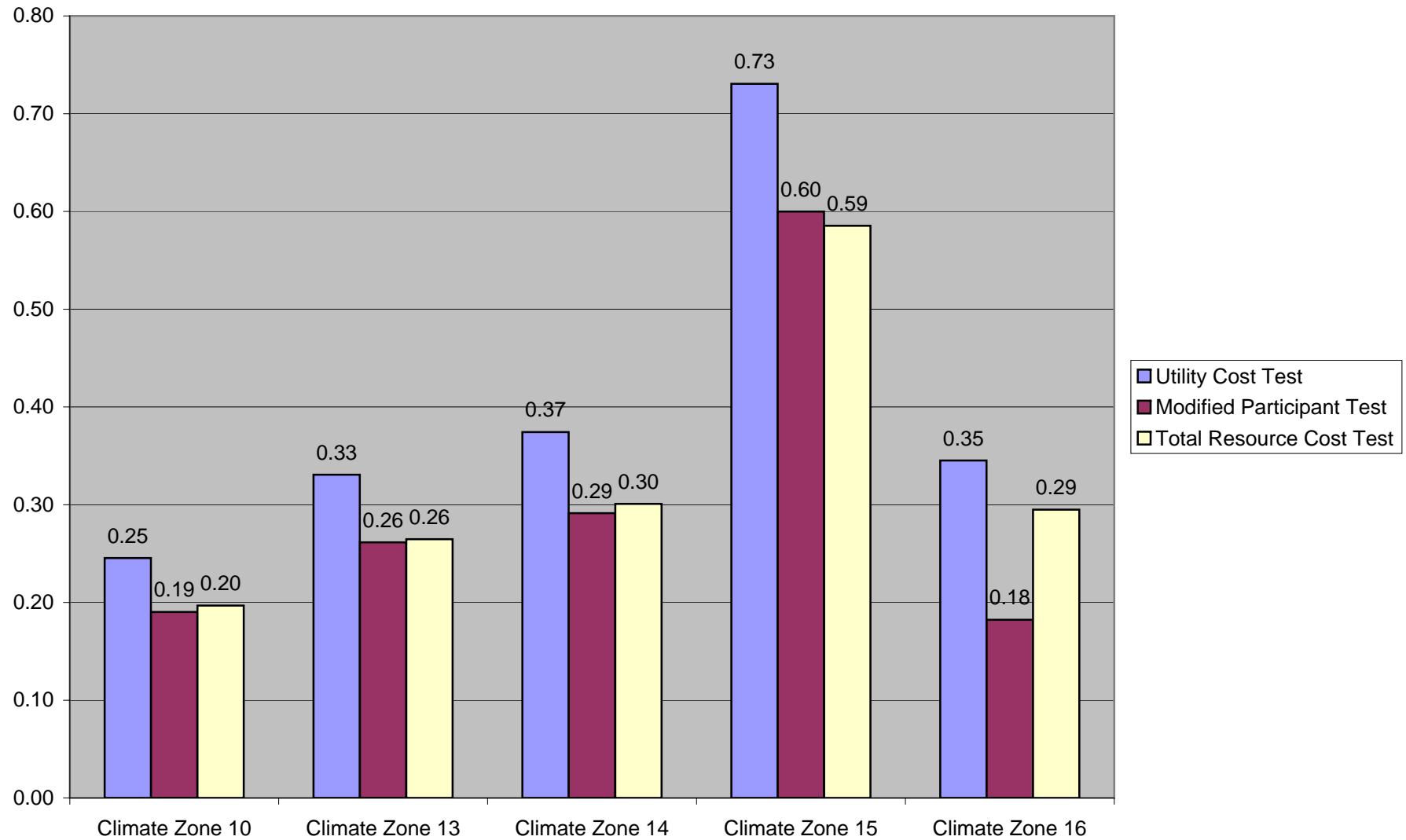
Evap Cooler Installation Mobile Home 2011



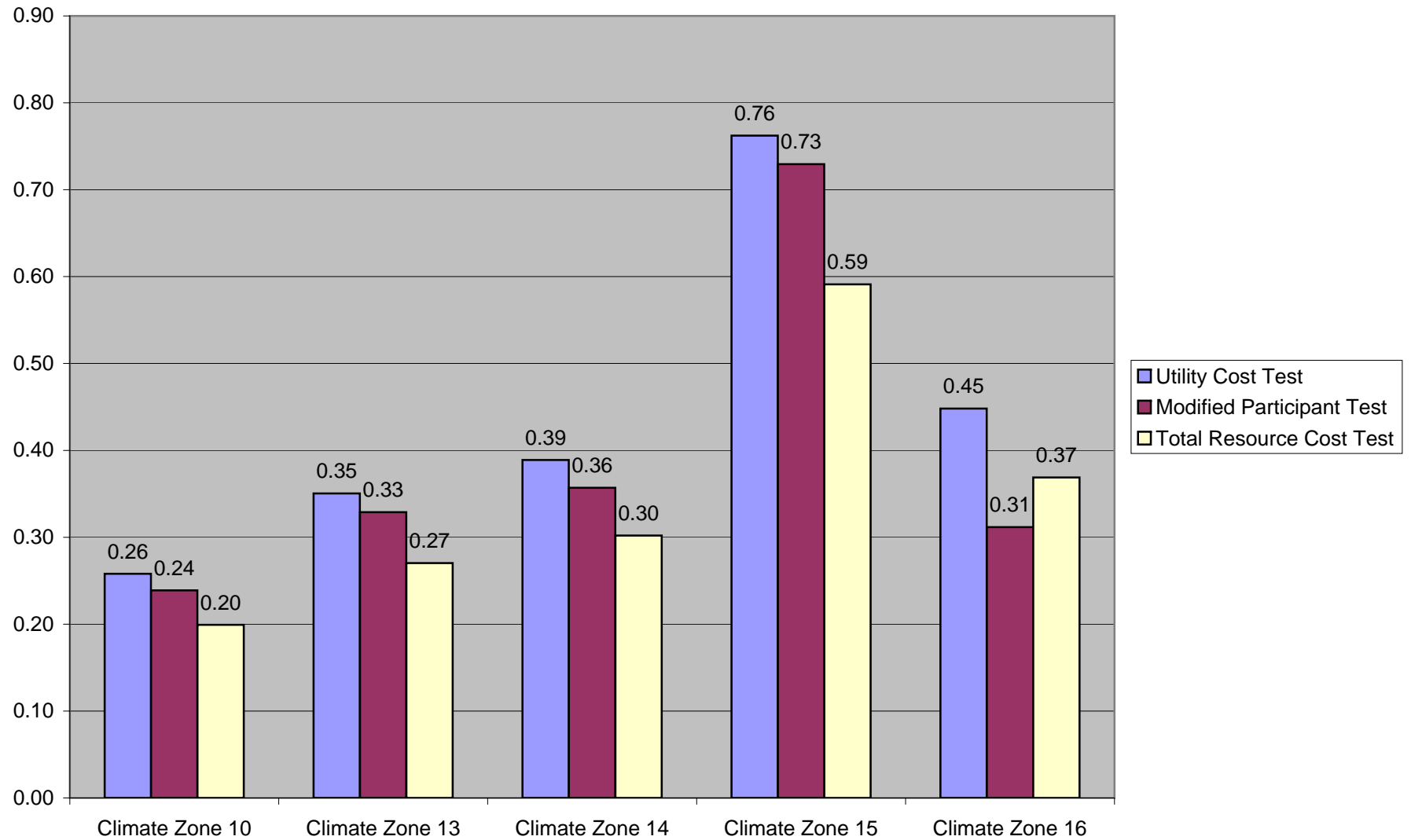
Evap Cooler Installation Mobile Home 2010



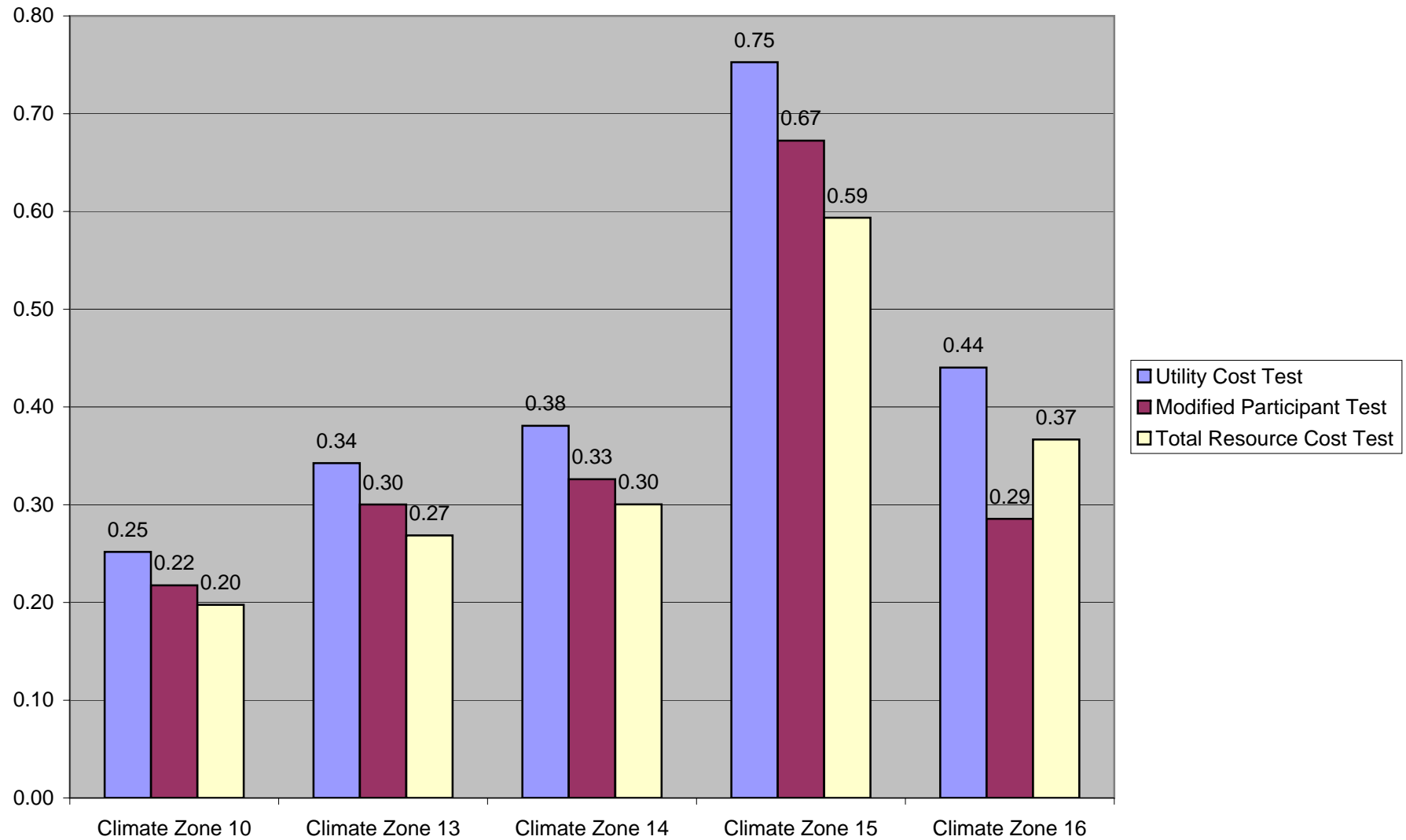
Evap Cooler Installation Mobile Home 2009



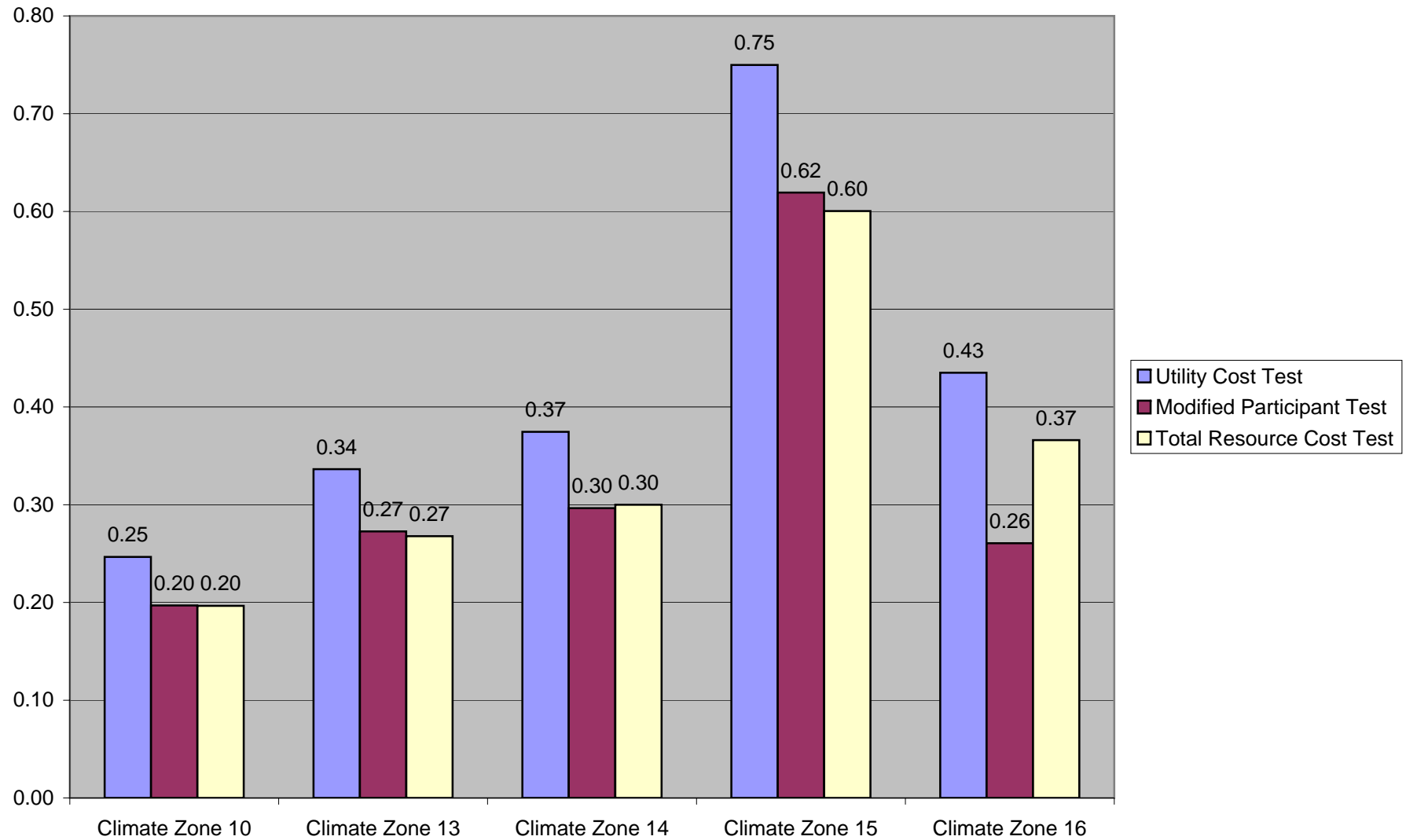
Evap Cooler Installation Single Family 2011



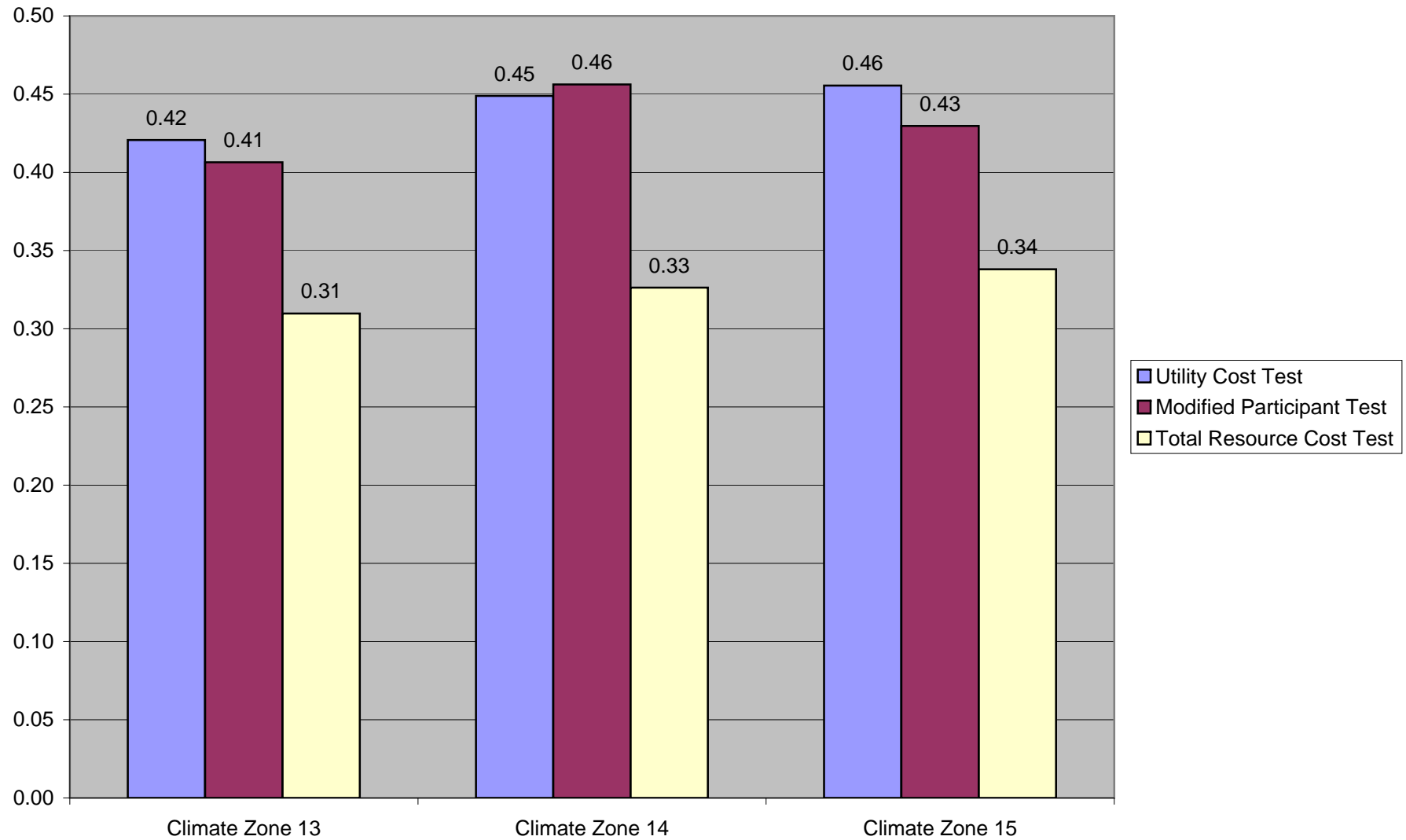
Evap Cooler Installation Single Family 2010



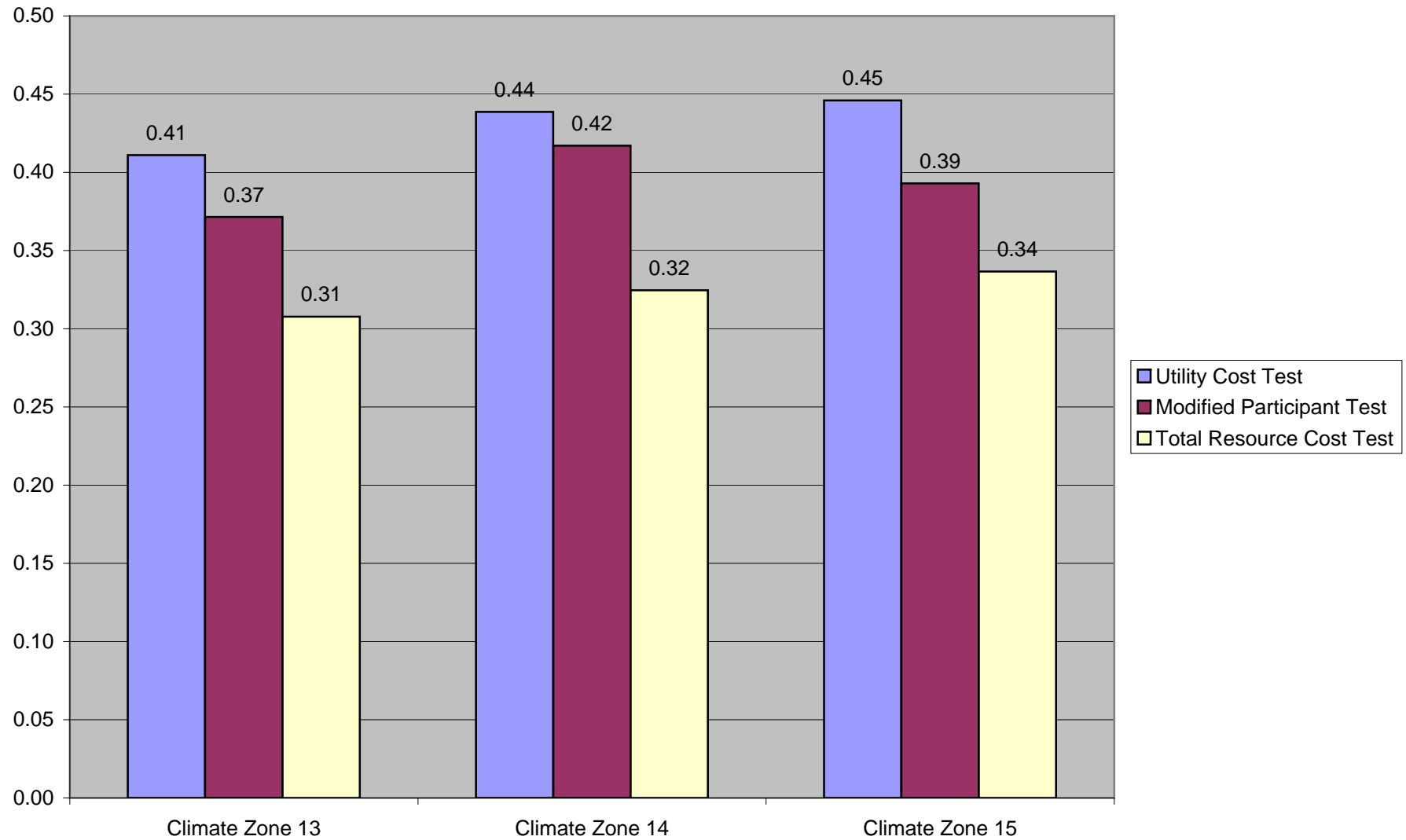
Evap Cooler Installation Single Family 2009



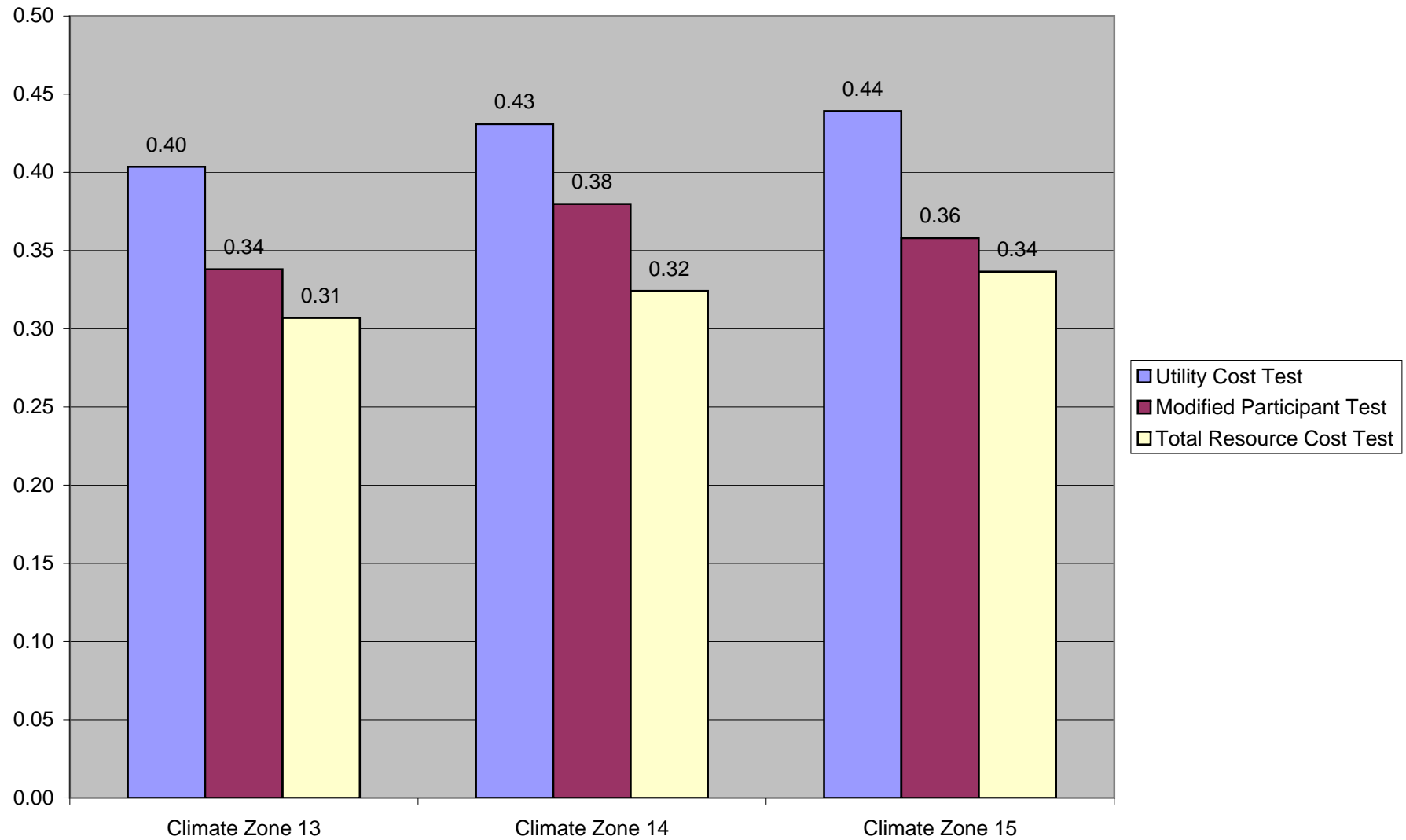
Heat Pump Replacement Mobile Home 2011



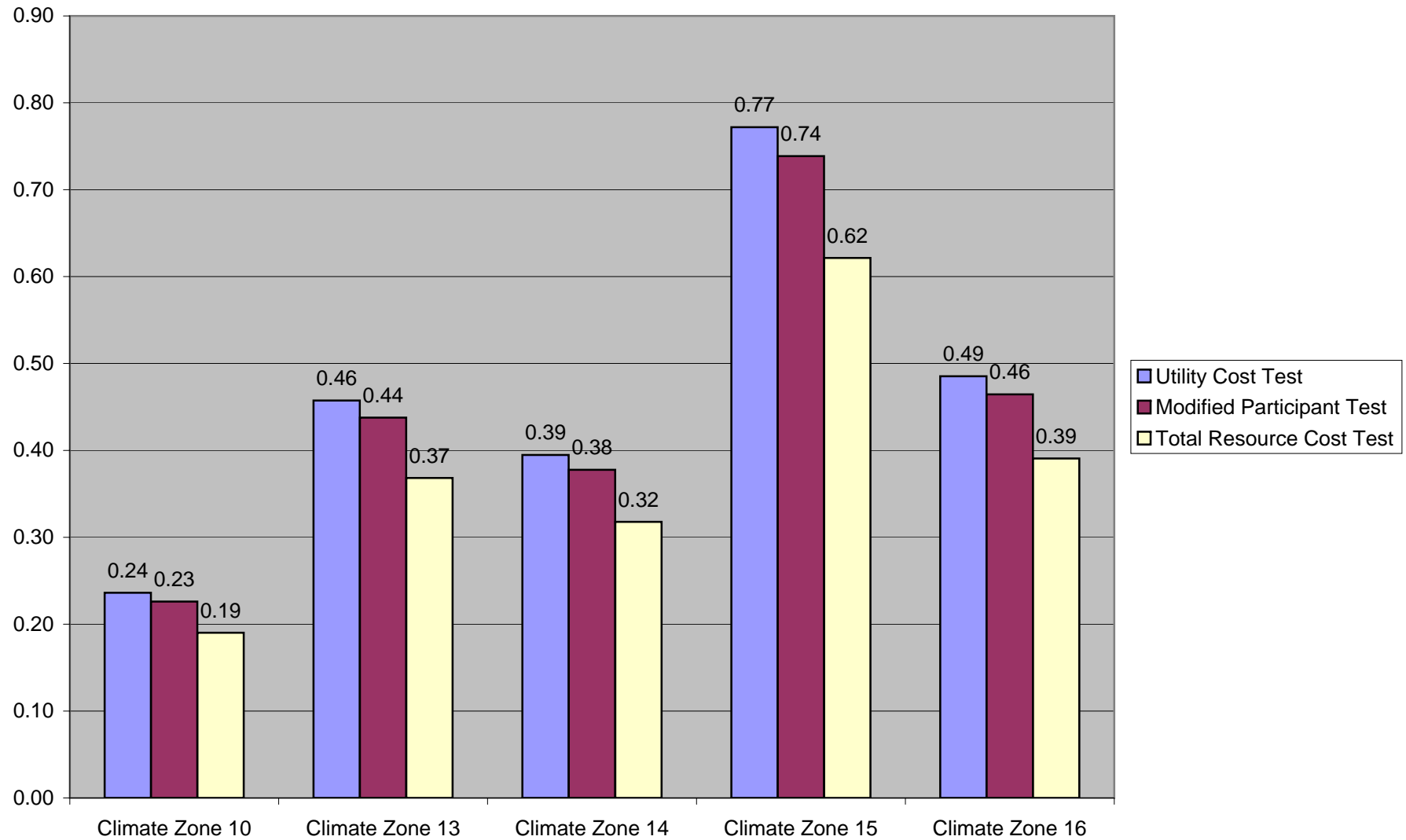
Heat Pump Replacement Mobile Home 2010



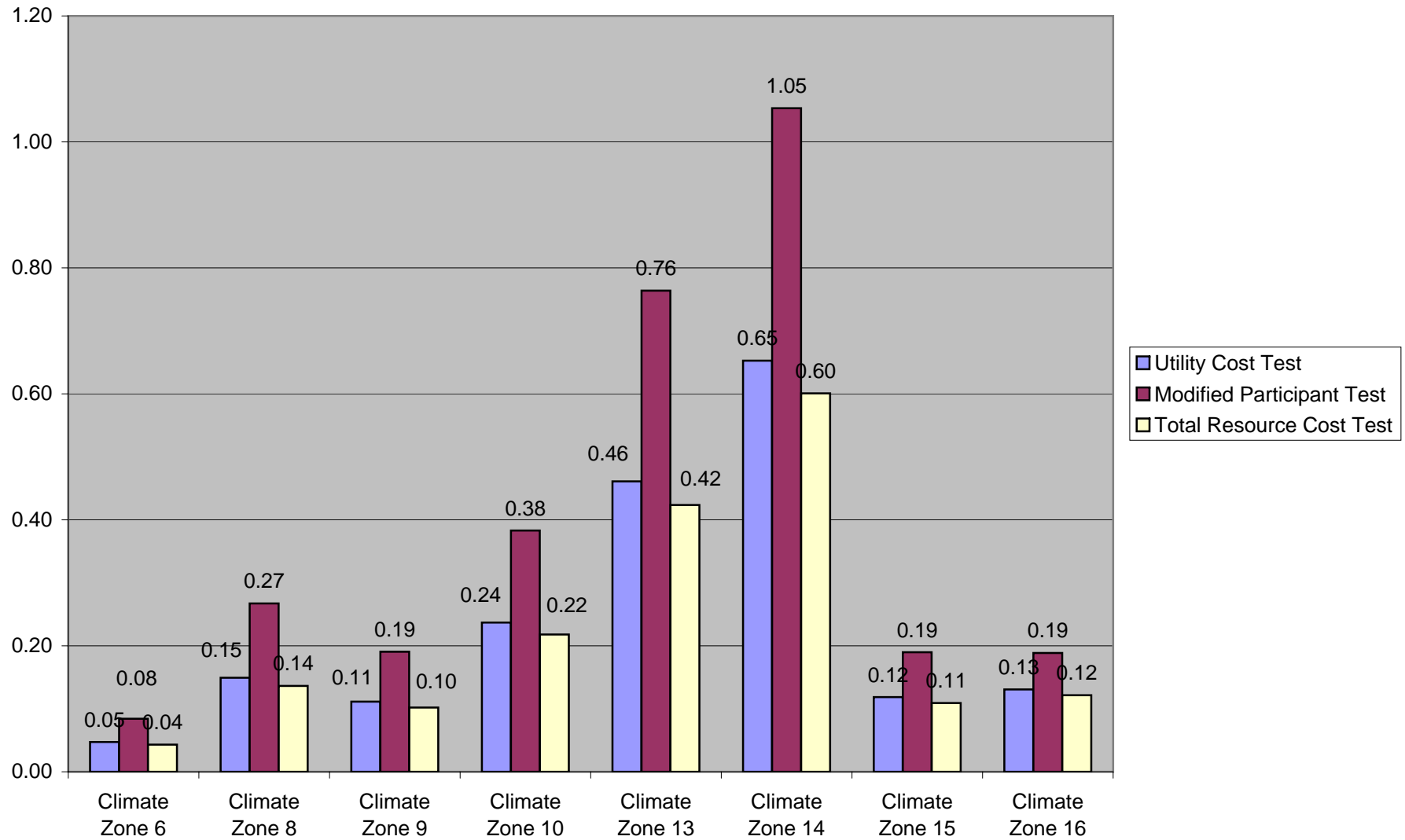
Heat Pump Replacement Mobile Home 2009



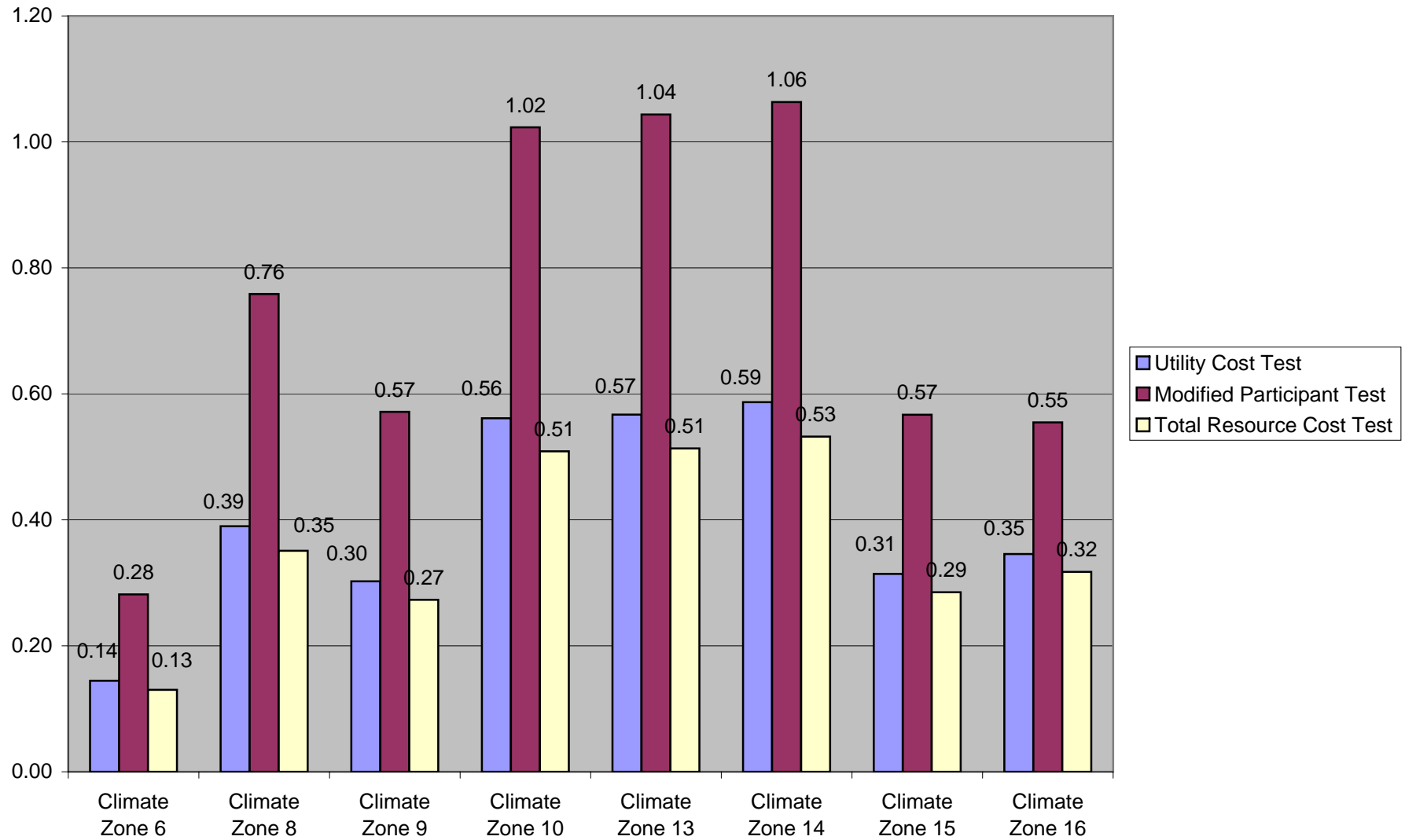
Evap Cooler Maintenance Single Family 2009



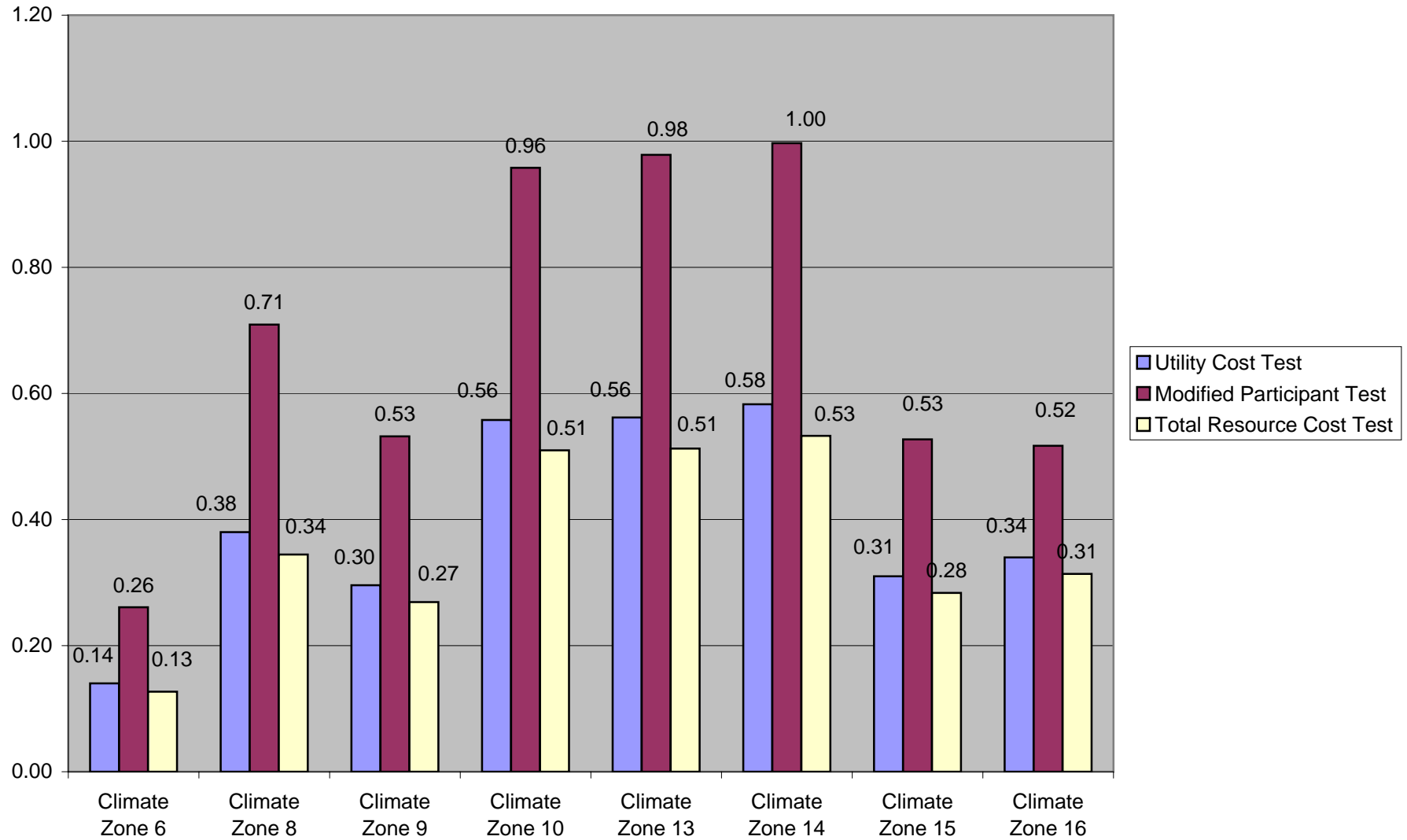
Envelope & Air Sealing Multi-Family 2009



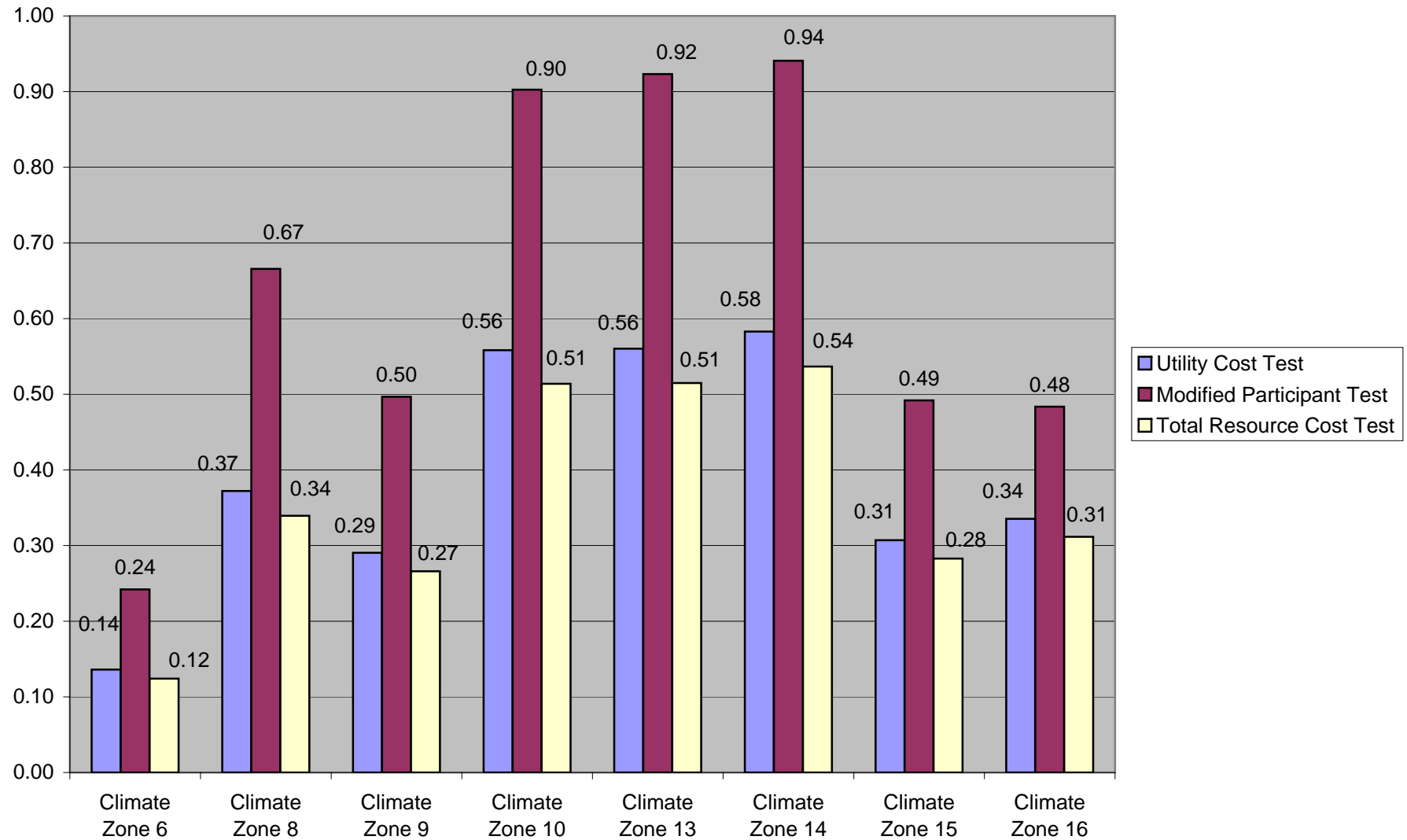
Envelope & Air Sealing Single Family 2011



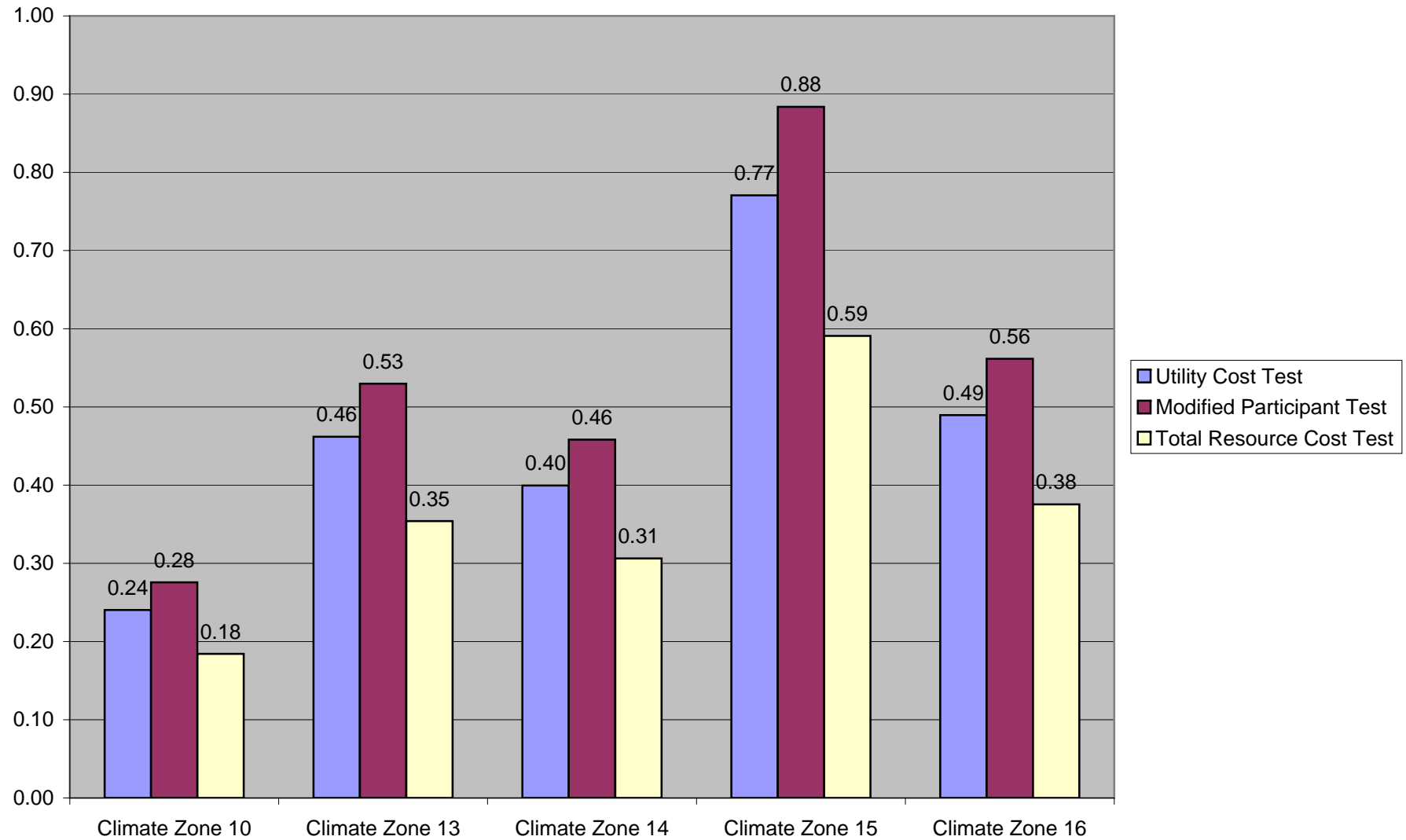
Envelope & Air Sealing Single Family 2010



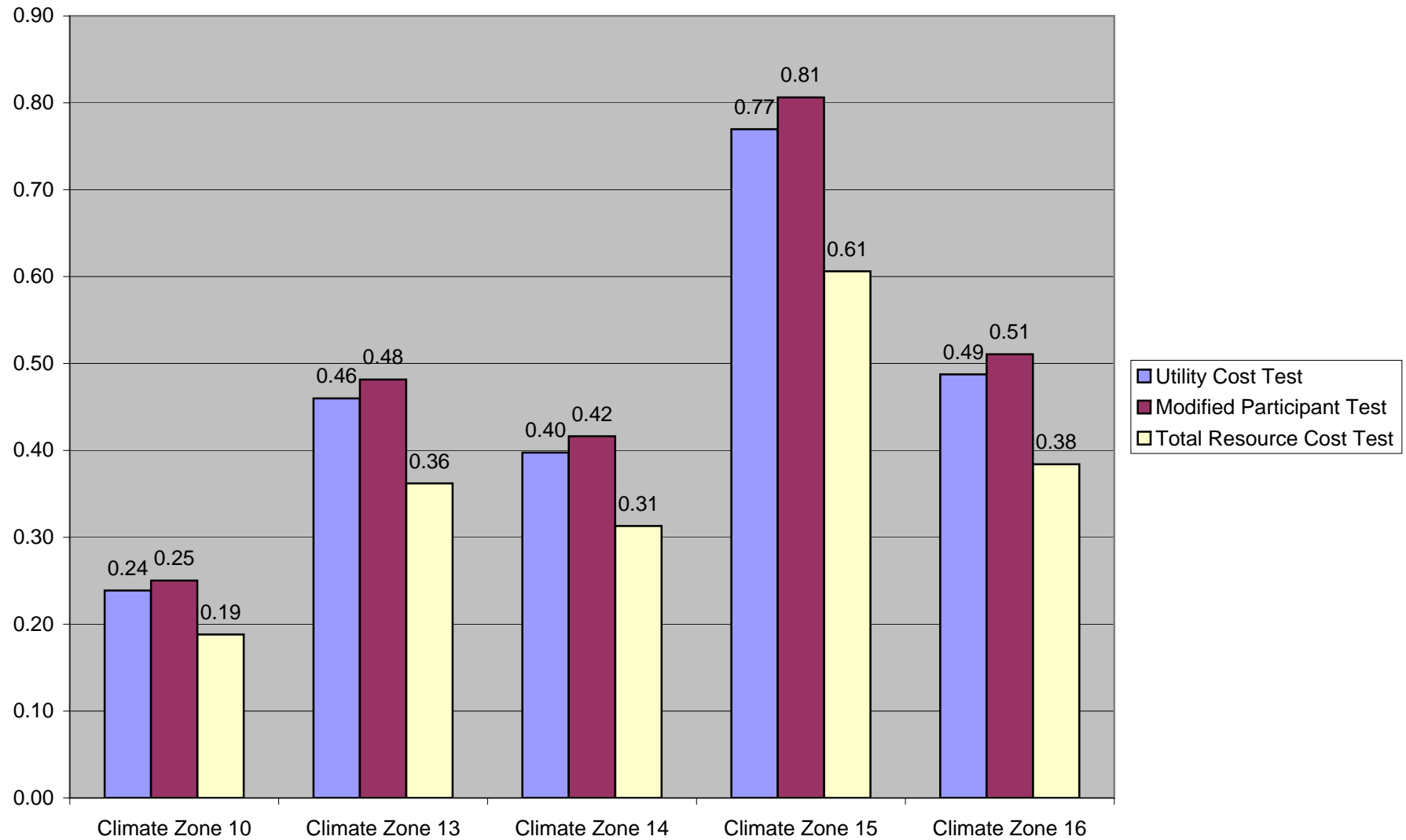
Envelope & Air Sealing Single Family 2009



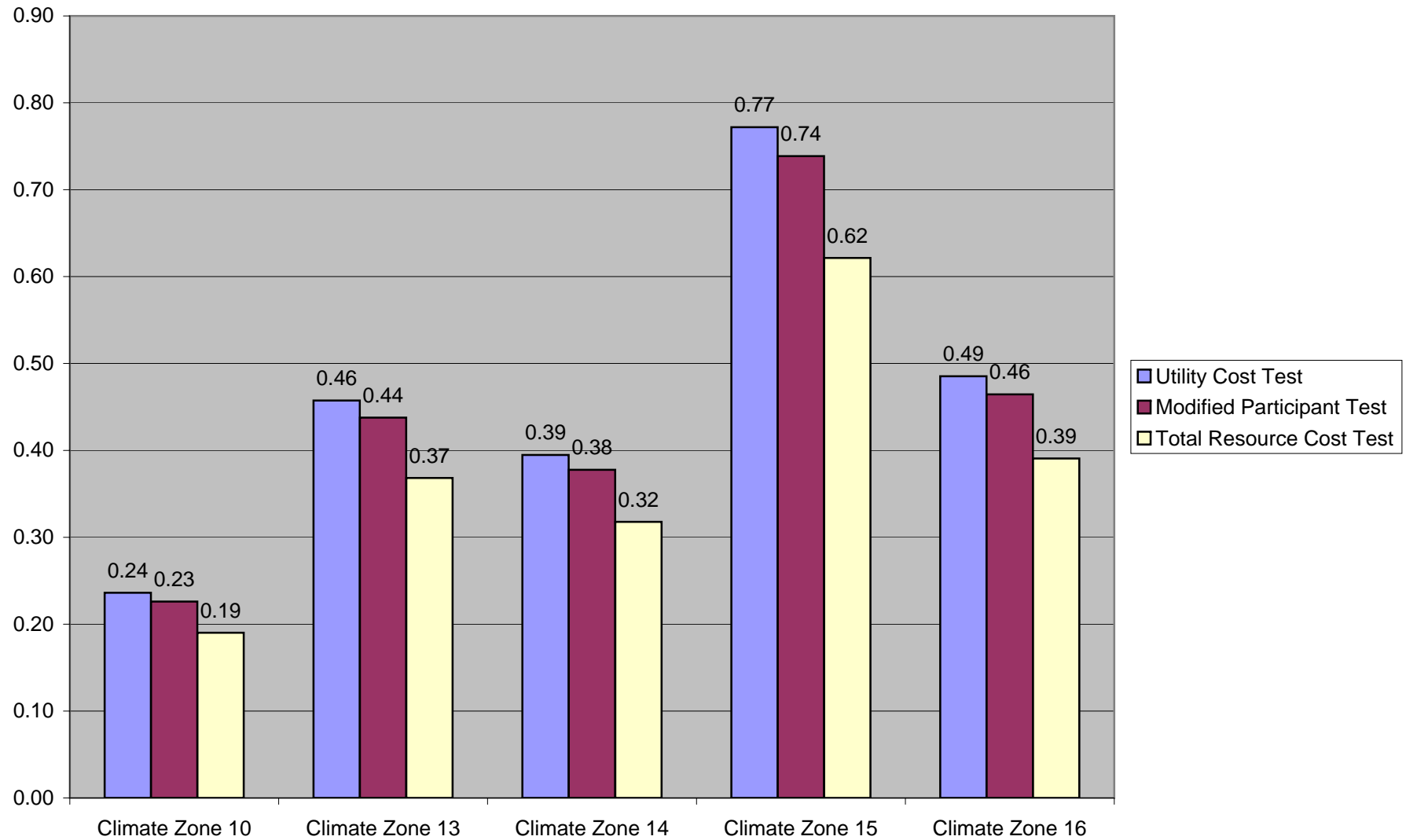
Evap Cooler Maintenance Mobile Home 2011



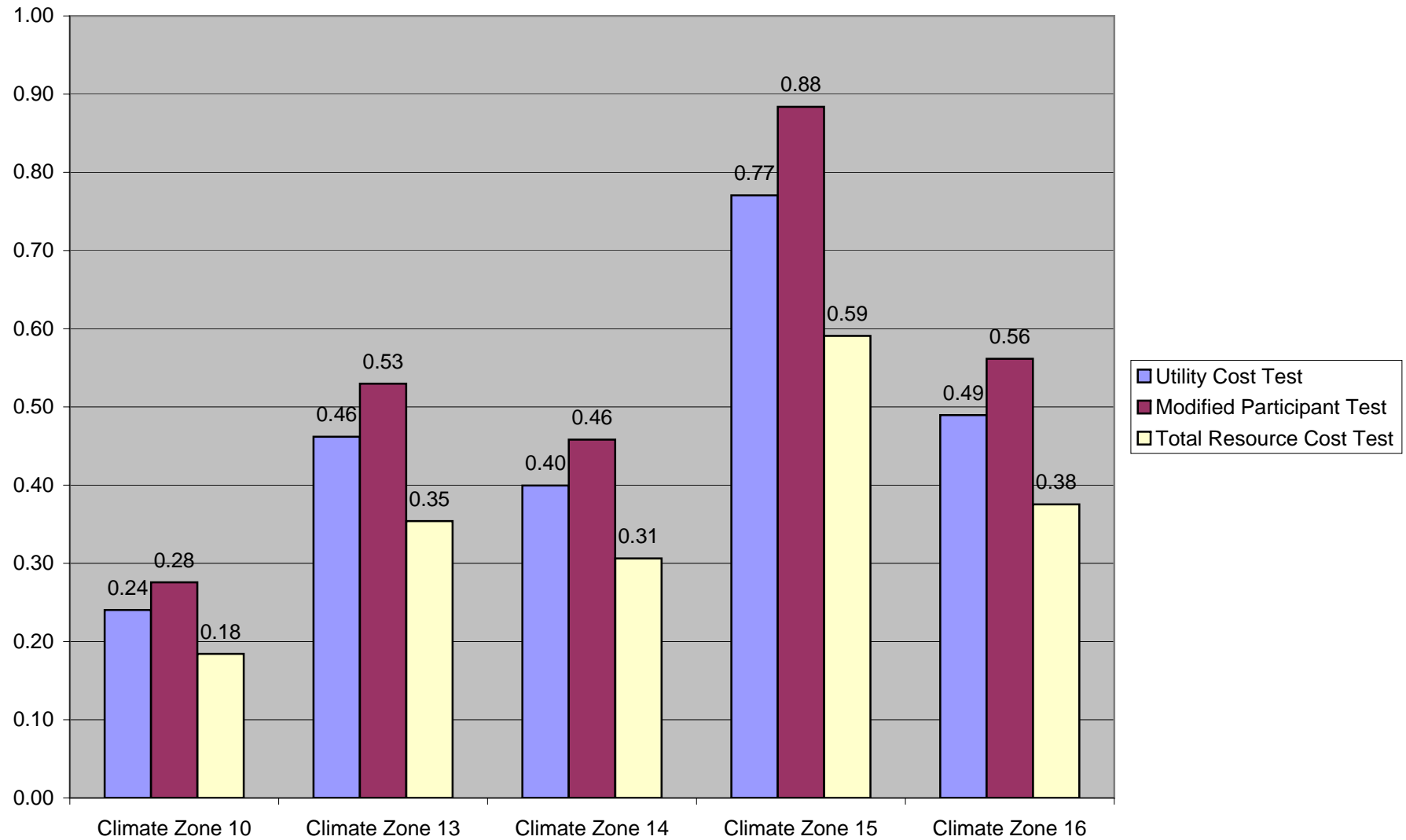
Evap Cooler Maintenance Mobile Home 2010



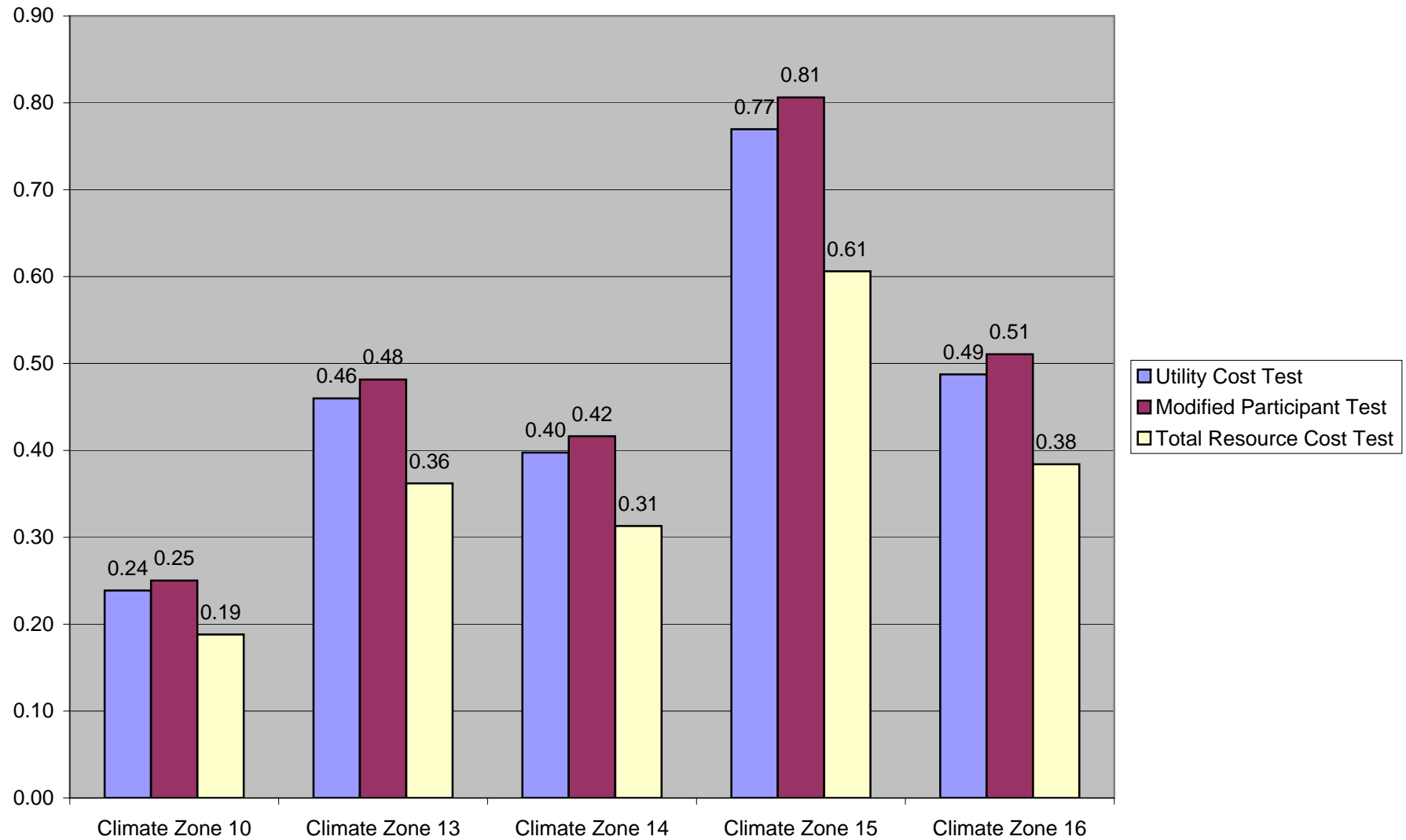
Evap Cooler Maintenance Mobile Home 2009



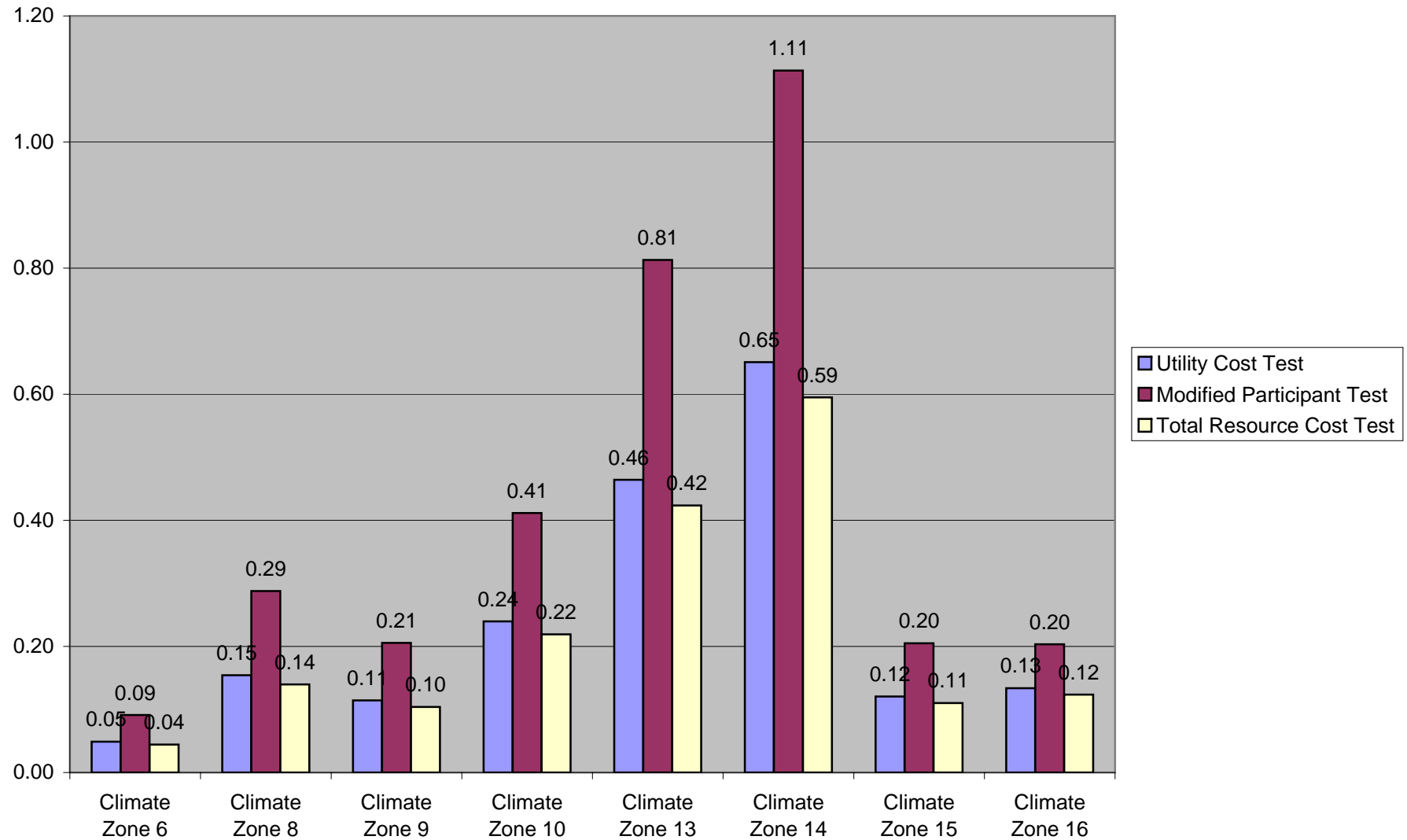
Evap Cooler Maintenance Single Family 2011



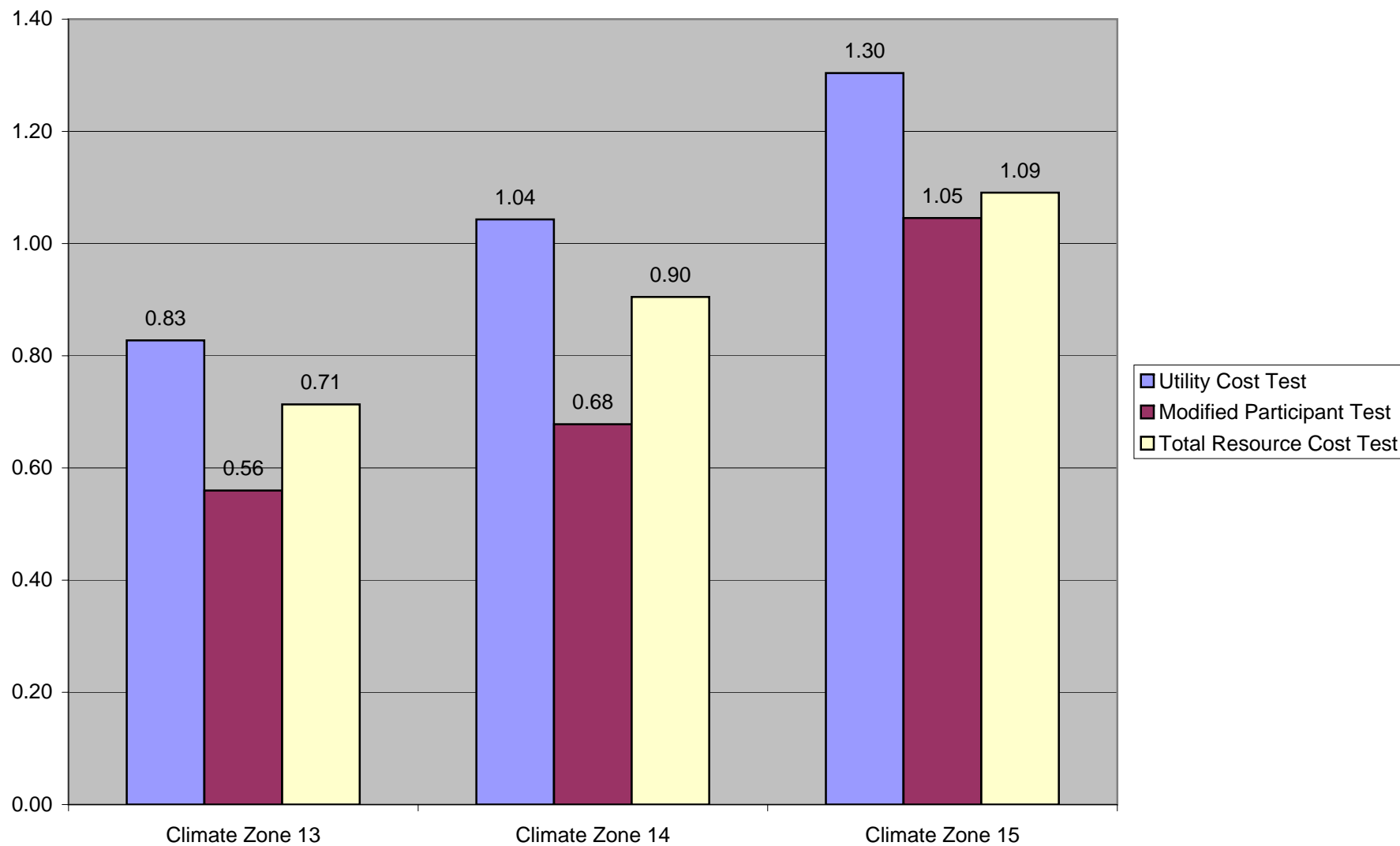
Evap Cooler Maintenance Single Family 2010



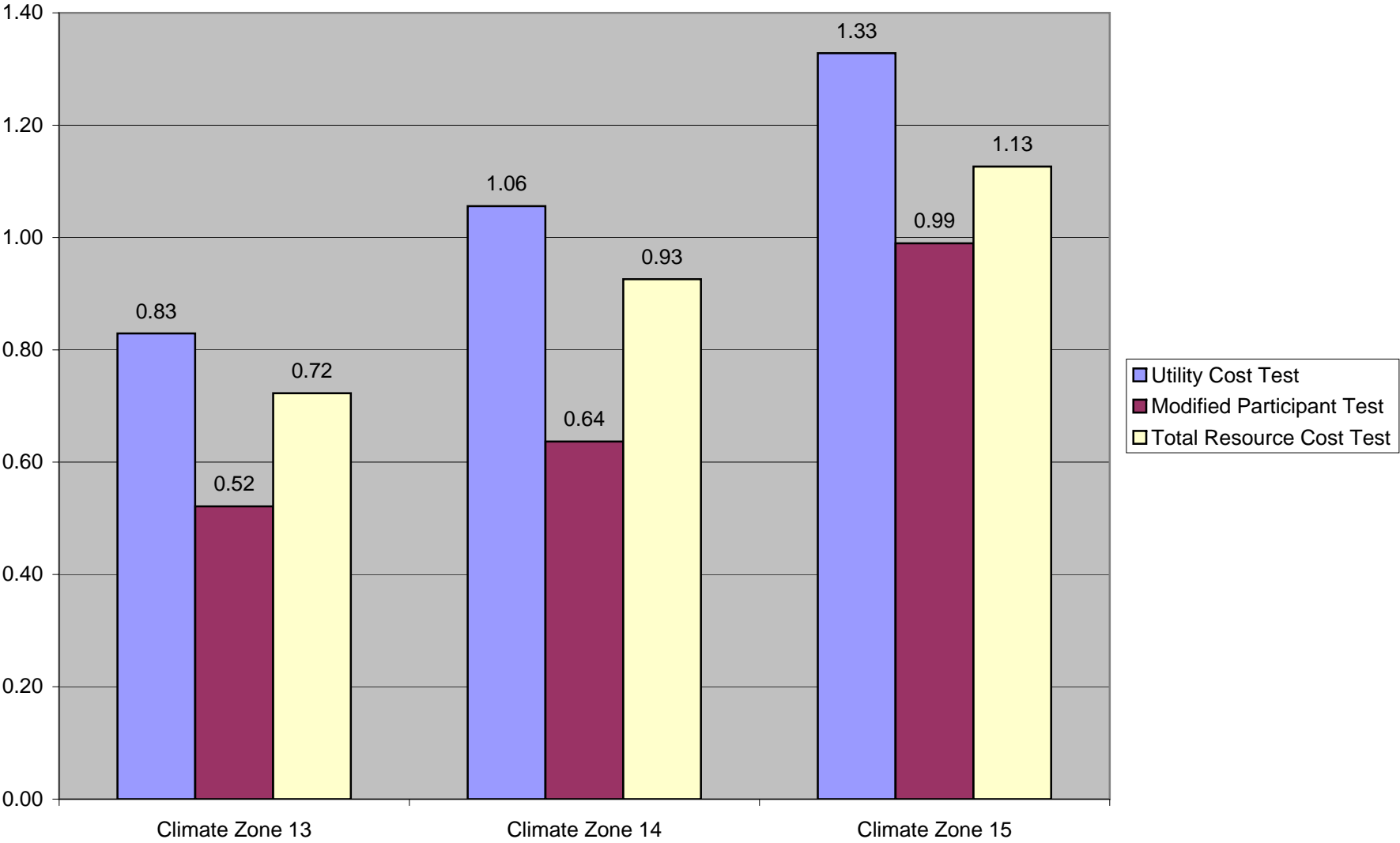
Envelope & Air Sealing Multifamily 2010



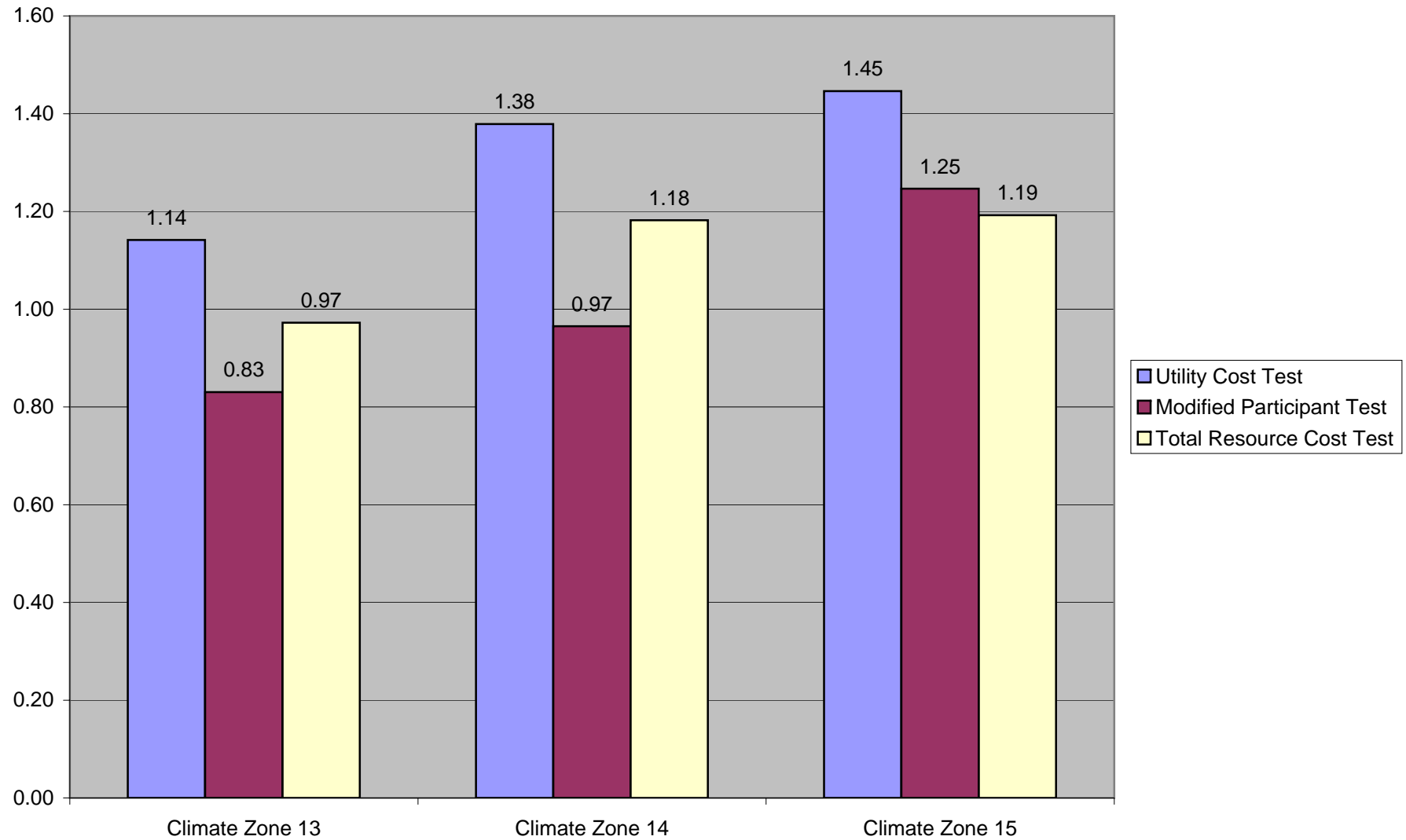
Duct Test & Seal Multifamily 2010



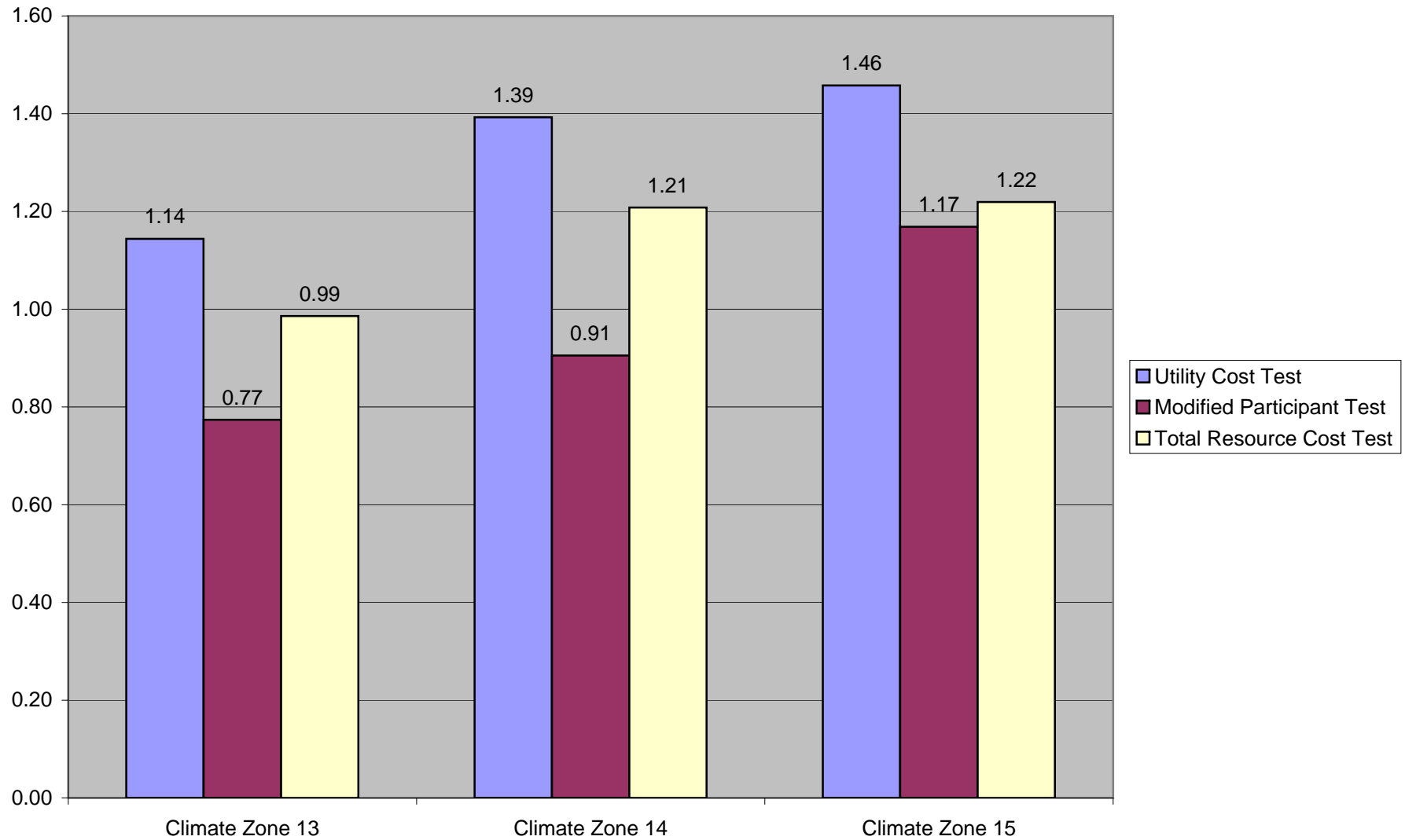
Duct Test & Seal Multi-Family 2009



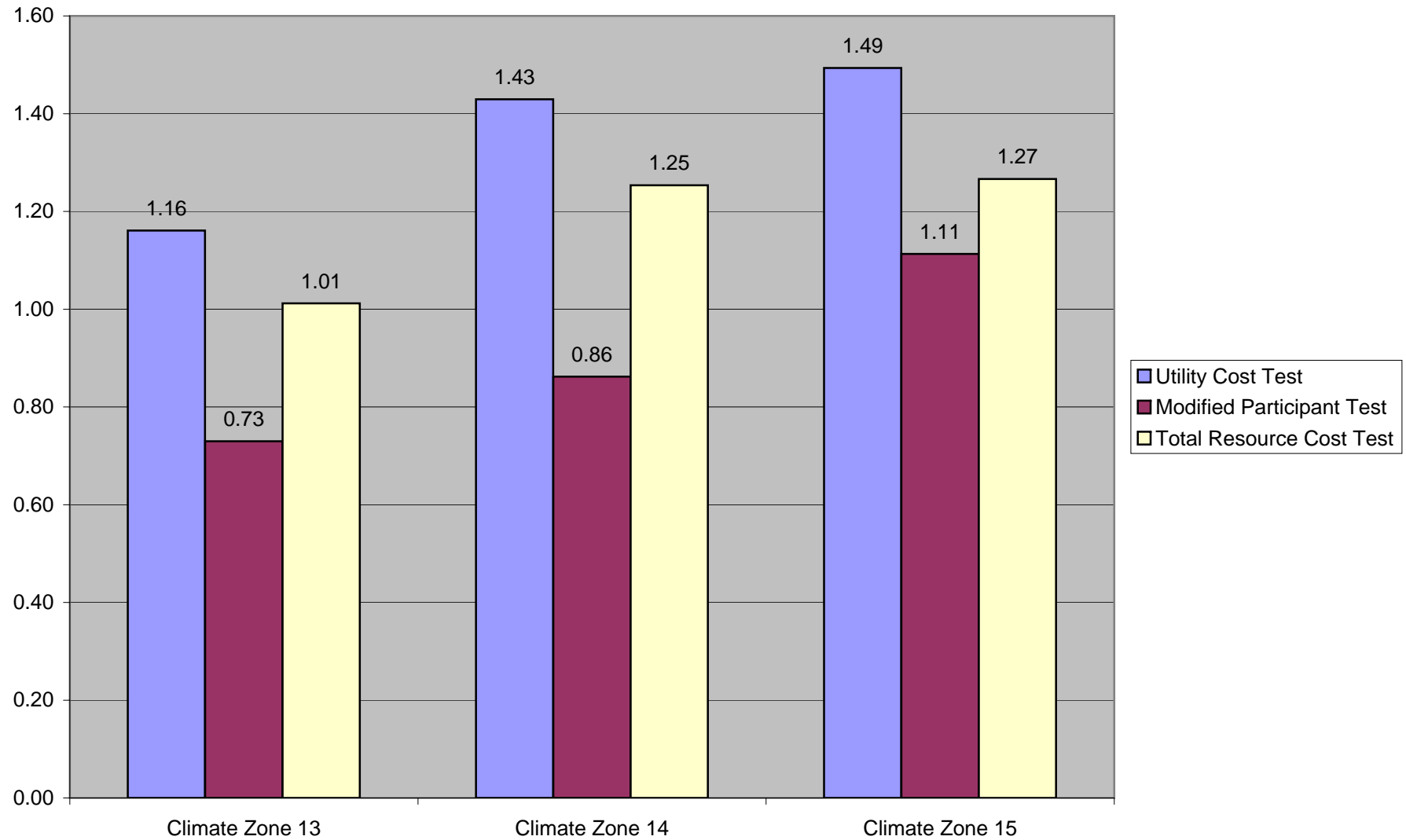
Duct Test & Seal Single Family 2011



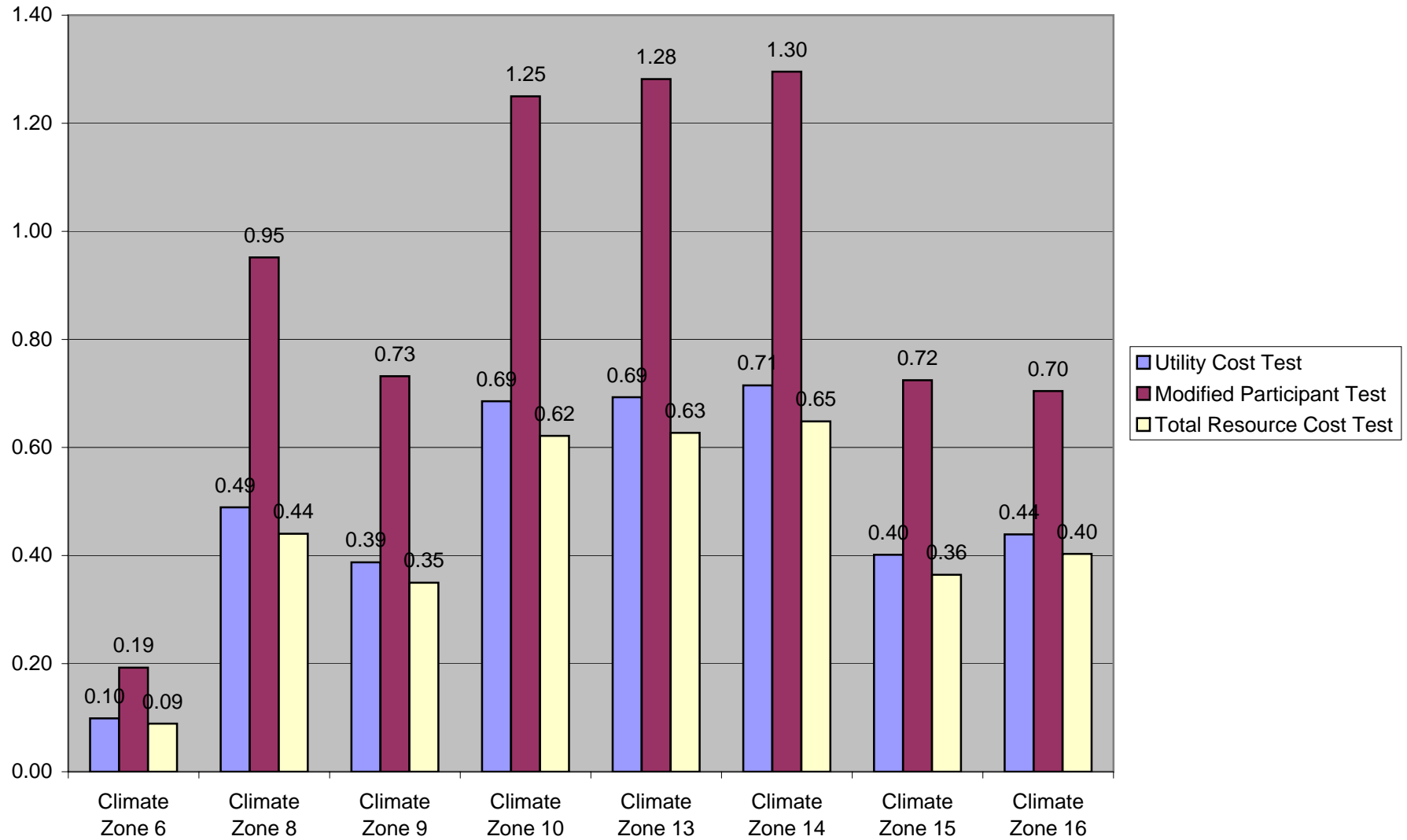
Duct Test & Seal Single Family 2010



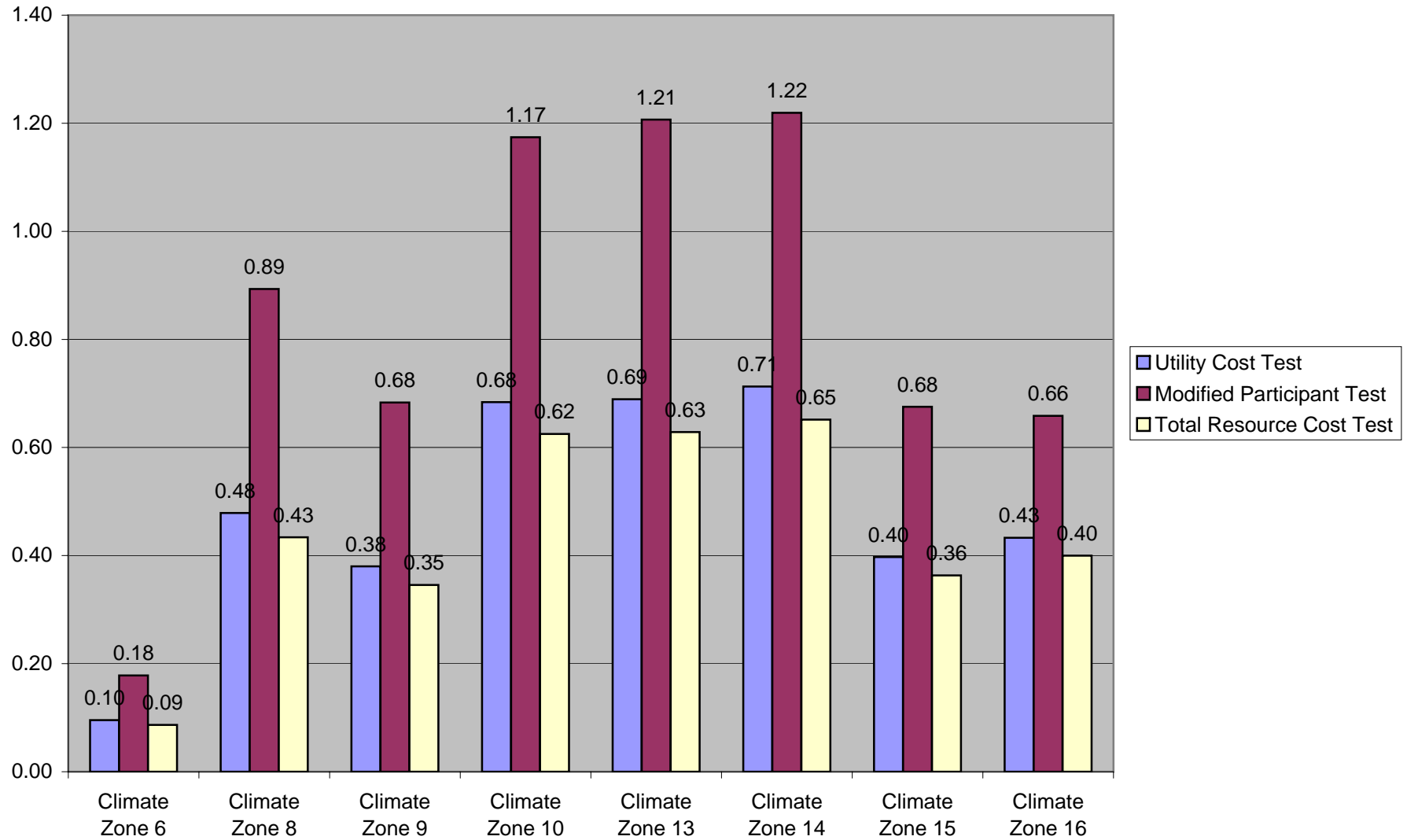
Duct Test & Seal Single Family 2009



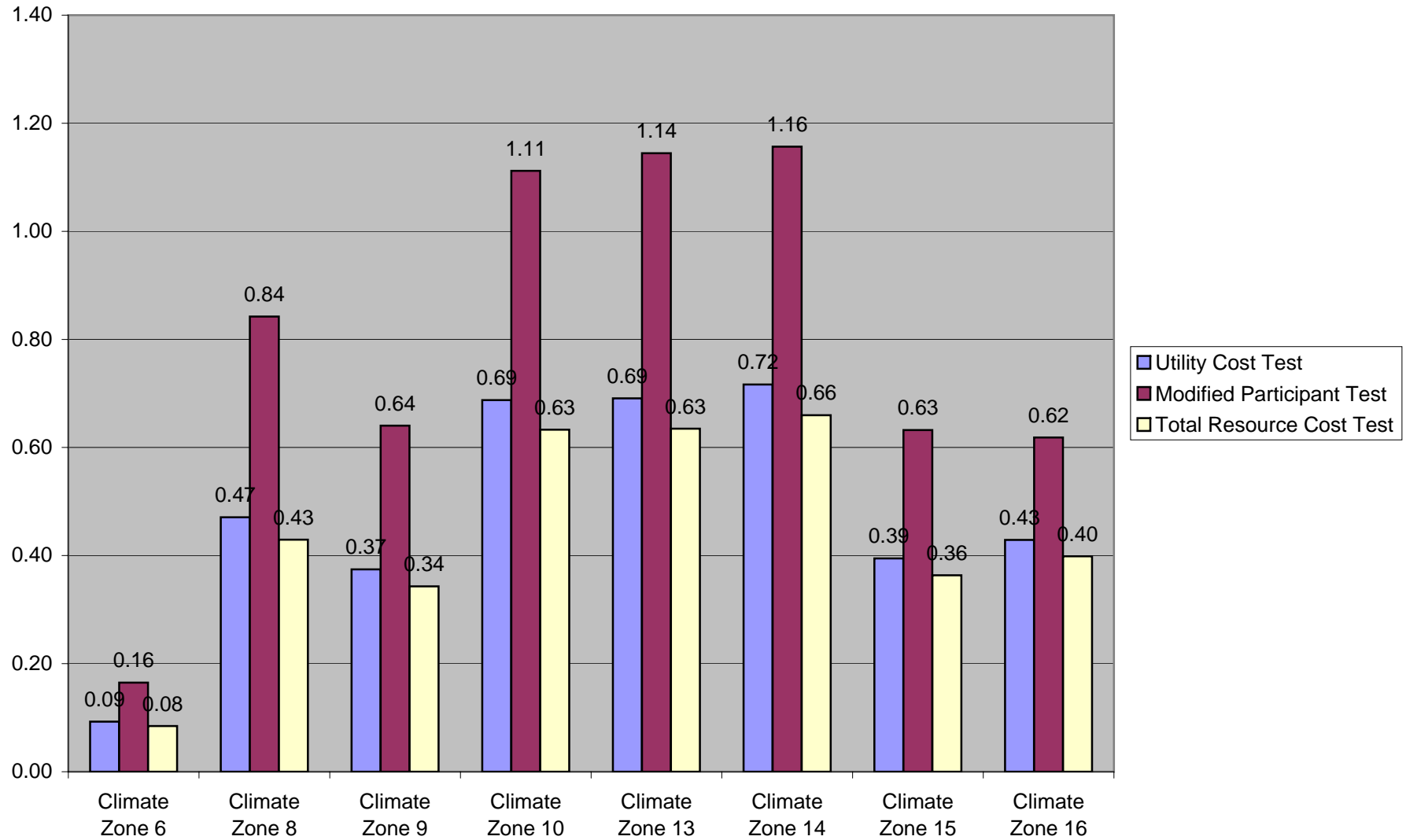
Envelope & Air Sealing Mobile Home 2011



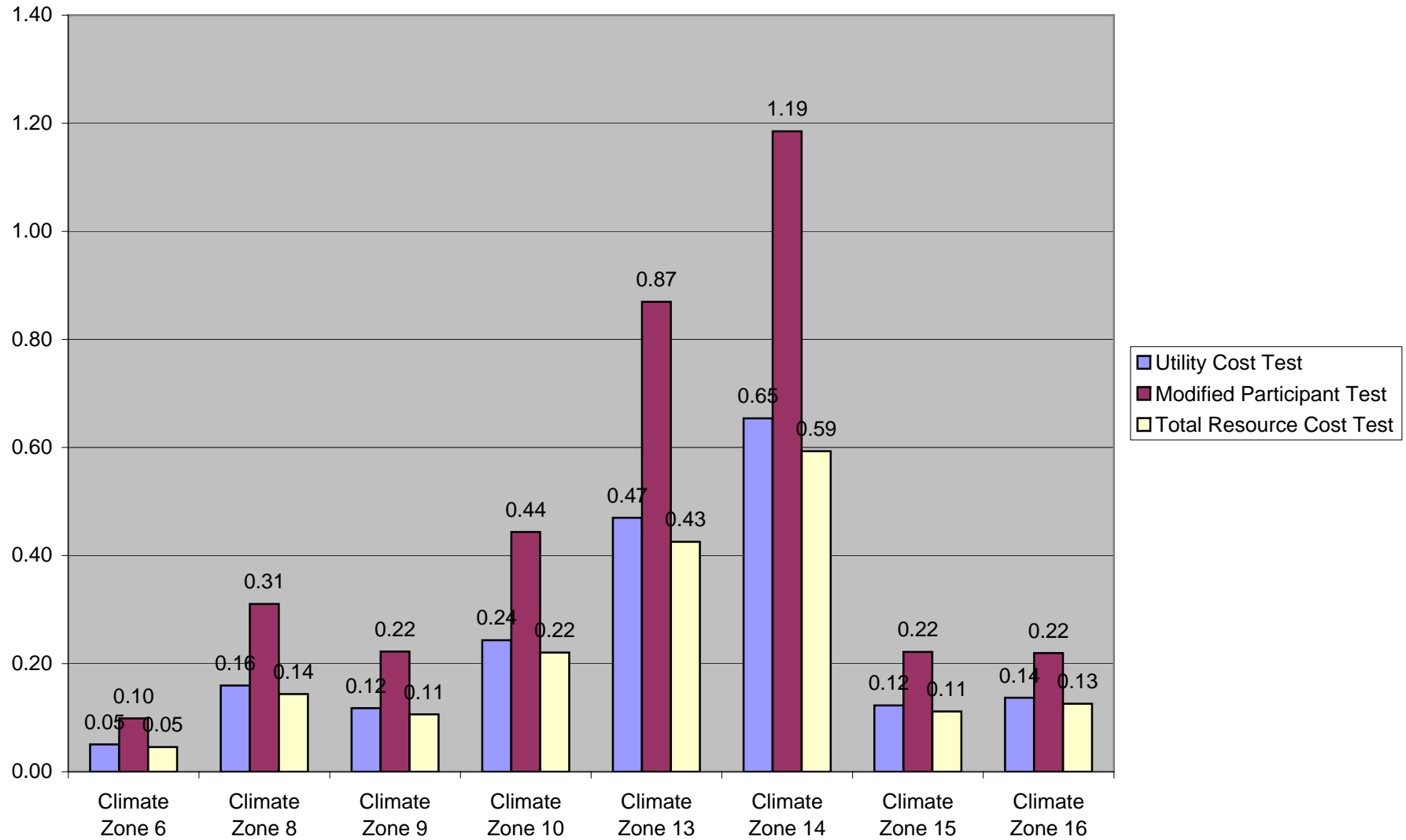
Envelope & Air Sealing Mobile Home 2010



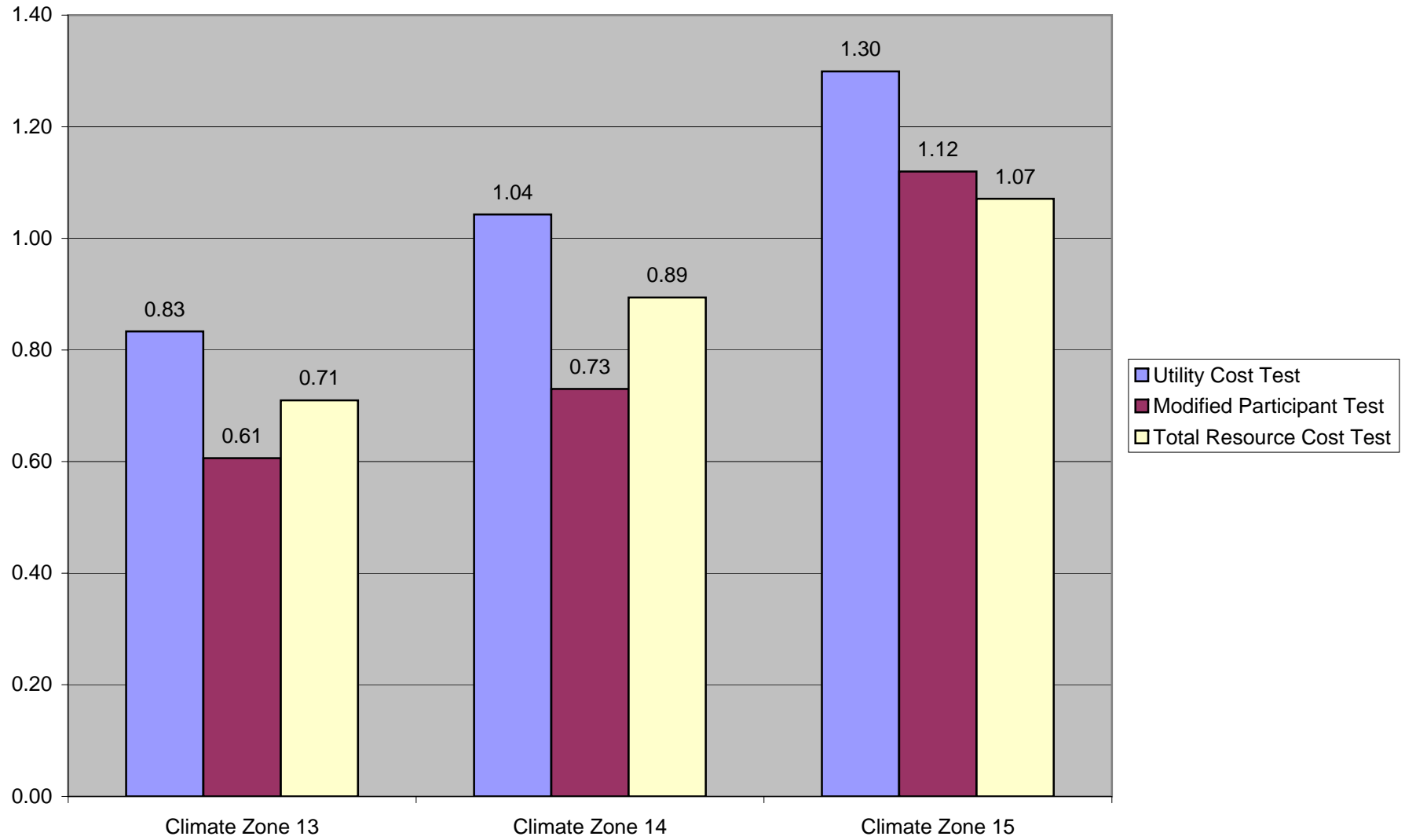
Envelope & Air Sealing Mobile Home 2009



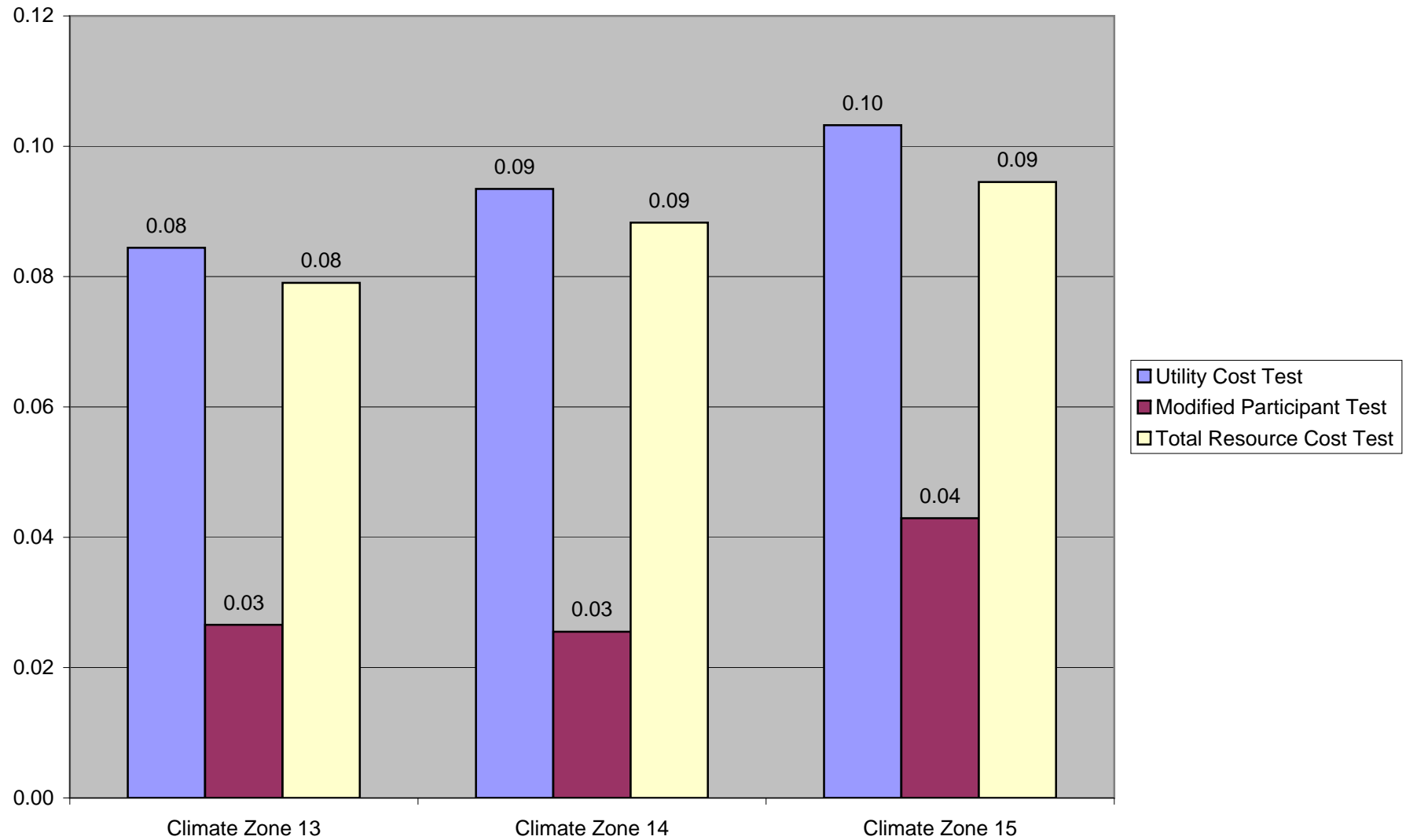
Envelope & Air Sealing Multifamily 2011



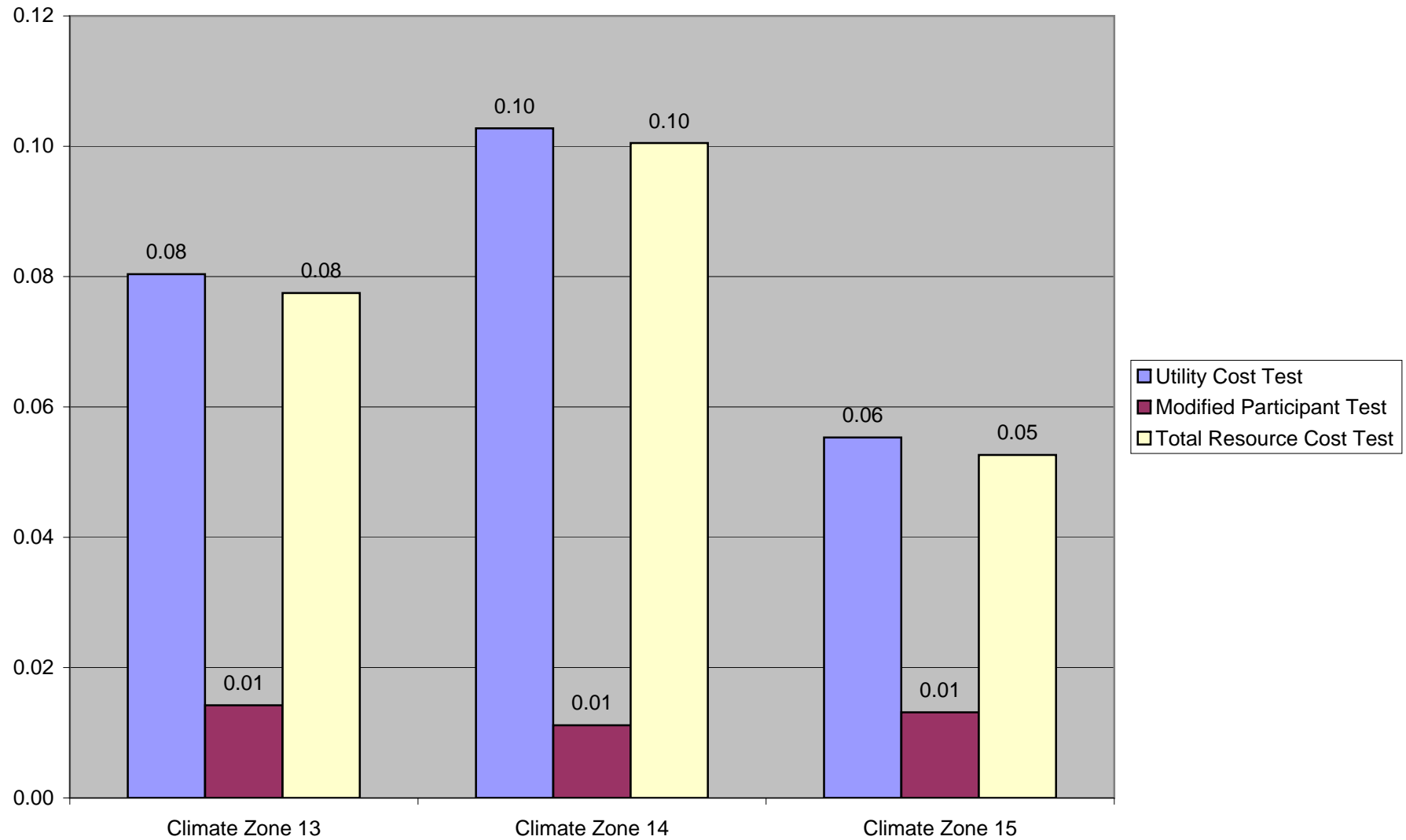
Duct Test & Seal Multifamily 2011



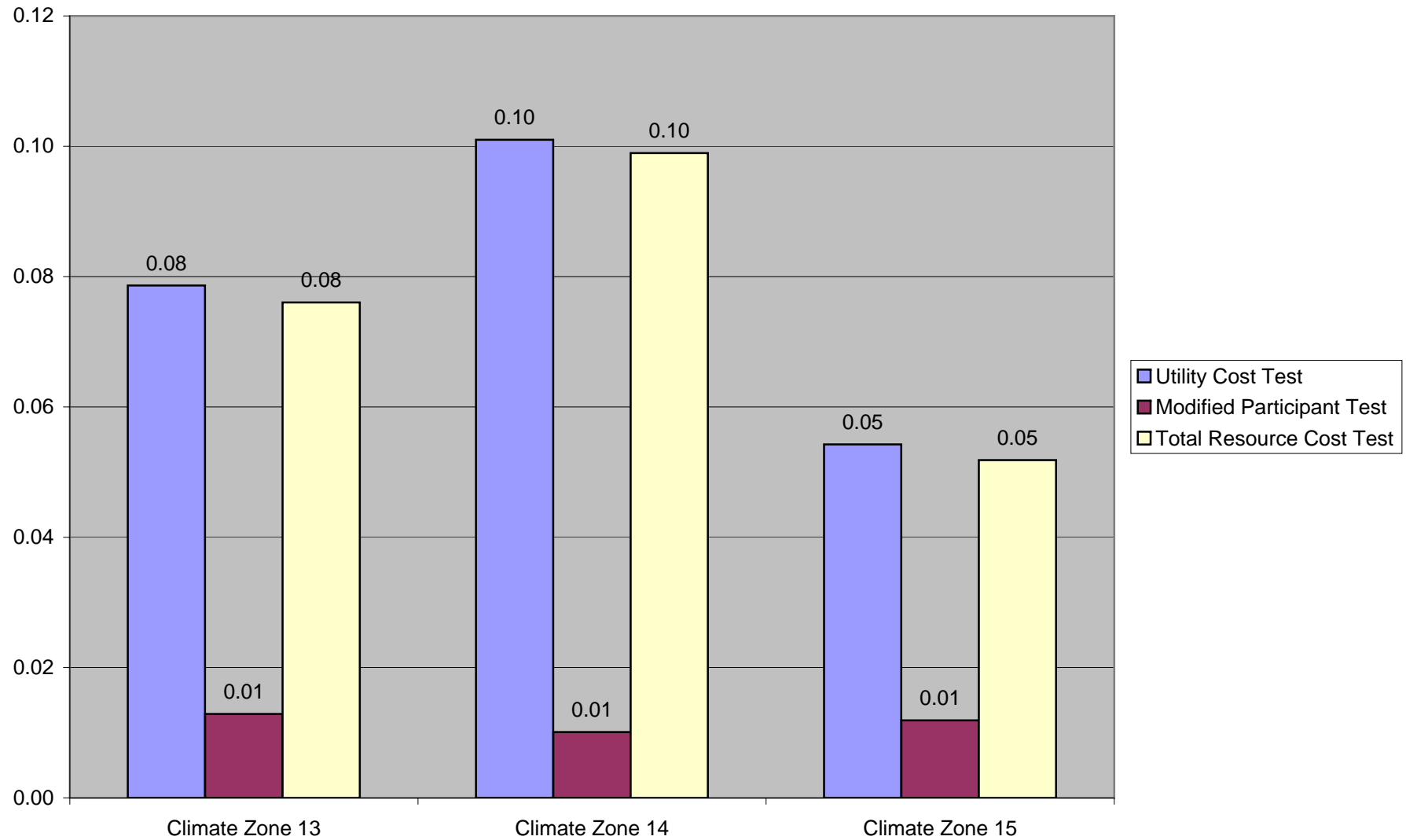
New Construction Low Income 13-16 SEER Multifamily 2010



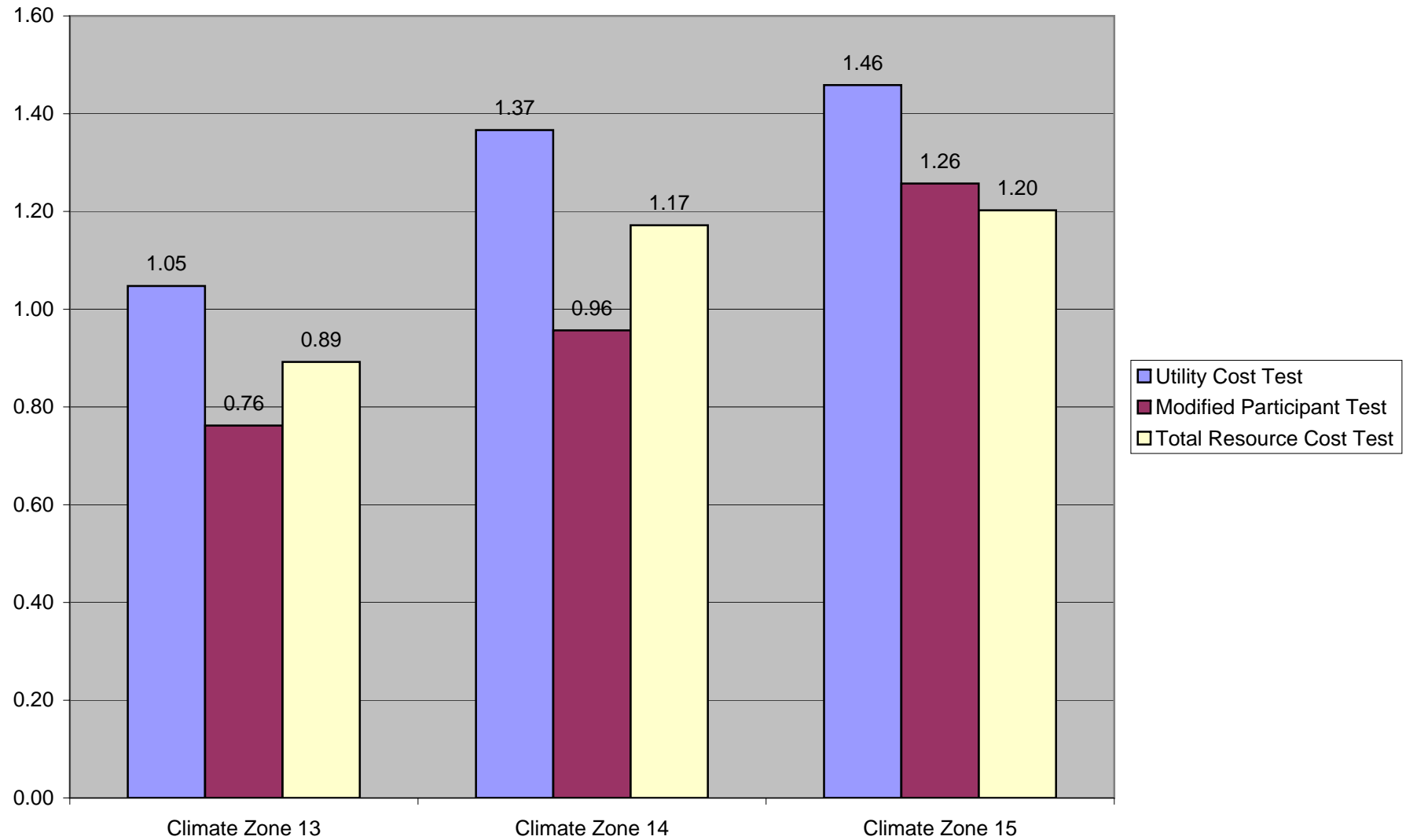
New Construction Low Income 13-16 SEER Single Family 2011



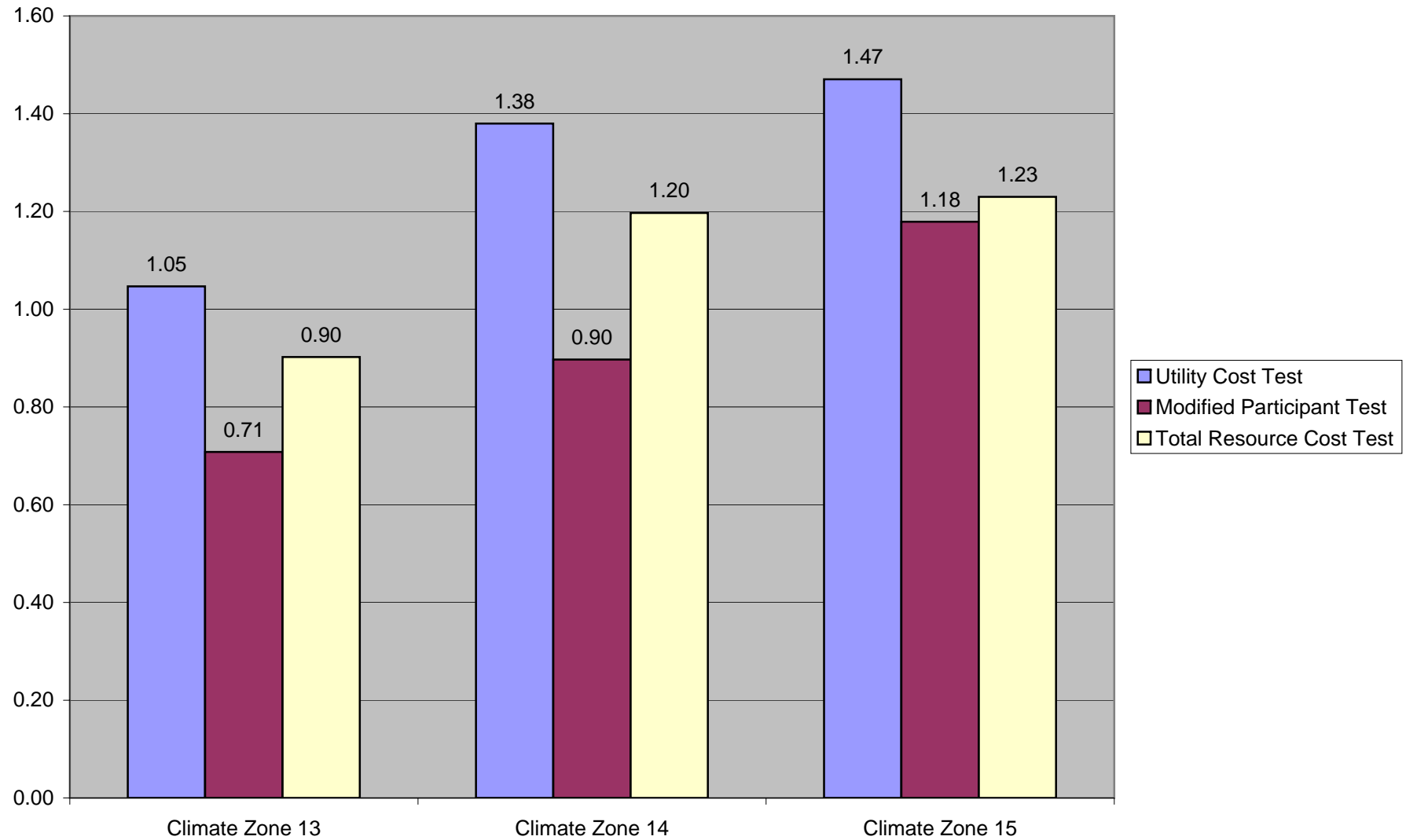
New Construction Low Income 13-16 SEER Single Family 2009



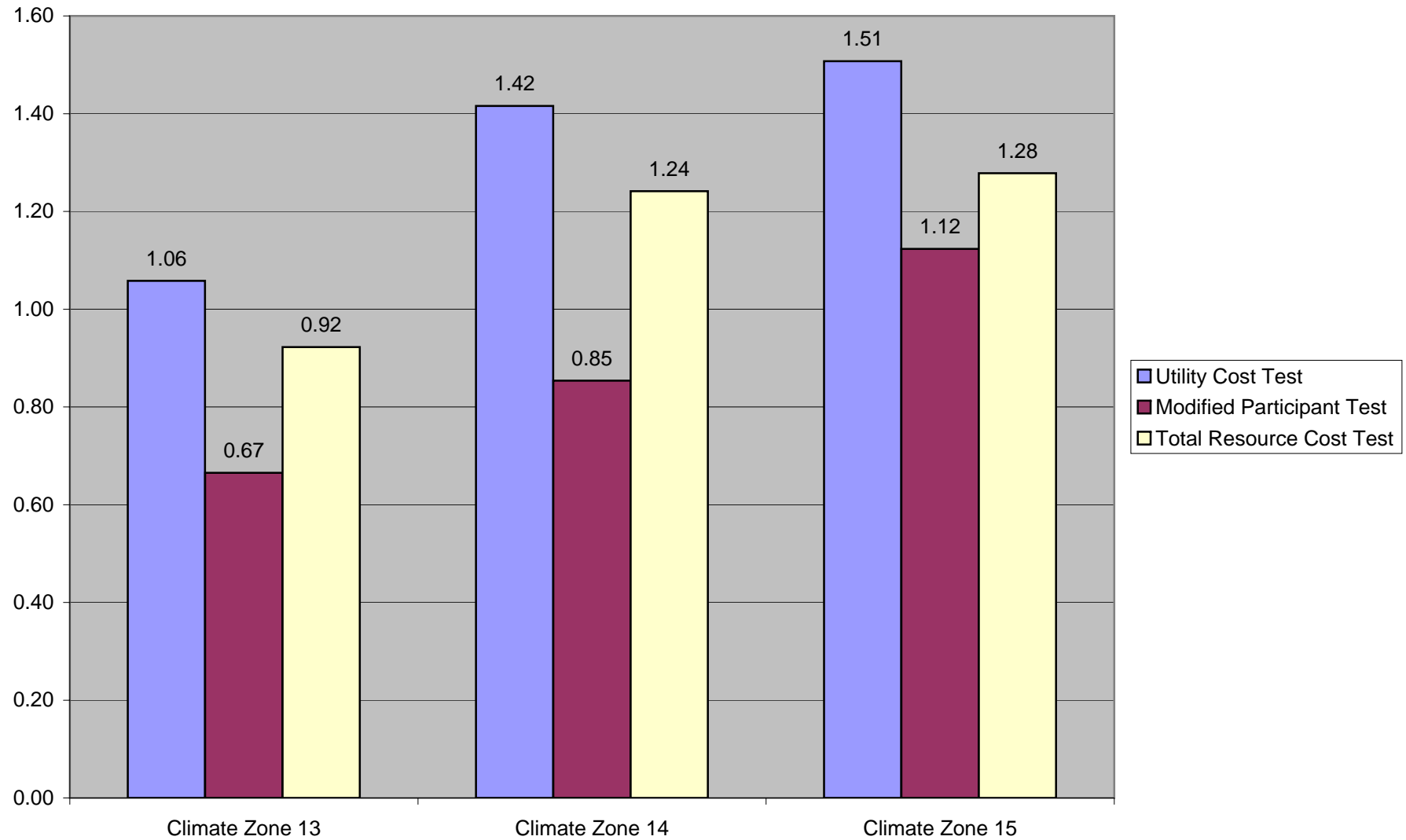
Duct Test & Seal Mobile Home 2011



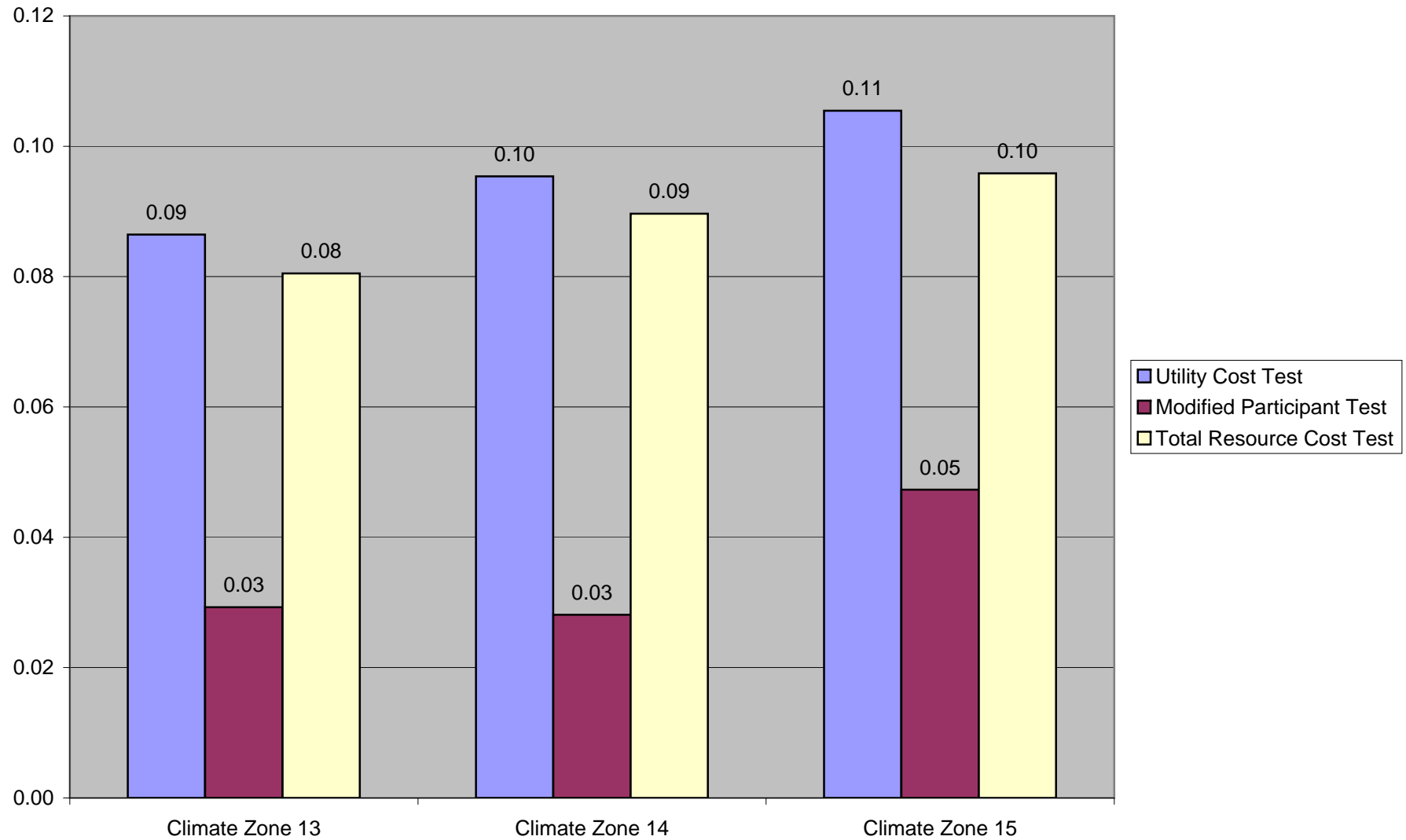
Duct Test & Seal Mobile Home 2010



Duct Test & Seal Mobile Home 2009



New Construction Low Income 13-16 SEER Multifamily 2011



Attachment A-7

LIEE Cost-Effectiveness – Non-Weather Sensitive Measures

Attachment A-7

	A	B	C	D	E	F	G	H	I	J	K
1	LIEE Cost-Effectiveness - Non Weather Sensitive Measures										
2	Southern California Edison										
3											
4			Ratio of Benefits Over Costs								
5			Utility Cost Test			Modified Participant Test			Total Resource Cost Test		
6			2009	2010	2011	2009	2010	2011	2009	2010	2011
7	Water Heater Conservation										
8		<i>Single Family, Electric</i>	1.57	1.55	1.55	2.28	2.40	2.56	1.22	1.18	1.15
9		<i>Multifamily, Electric</i>	1.08	1.08	1.09	1.56	1.67	1.80	0.84	0.82	0.81
10		<i>Mobile Home, Electric</i>	1.33	1.32	1.32	1.92	2.04	2.19	1.03	1.00	0.98
11	CFLs (Screw-In)										
12		<i>Single Family, Electric</i>	1.40	1.38	1.38	1.51	1.61	1.73	1.09	1.05	1.03
13		<i>Multifamily, Electric</i>	1.40	1.38	1.38	1.51	1.61	1.73	1.09	1.05	1.03
14		<i>Mobile Home, Electric</i>	1.40	1.38	1.38	1.51	1.61	1.73	1.09	1.05	1.03
15	Fixtures (Exterior Pin-based CFLs)										
16		<i>Single Family, Electric</i>	1.50	1.48	1.49	1.78	1.88	2.02	1.13	1.10	1.07
17		<i>Multifamily, Electric</i>	1.50	1.48	1.49	1.78	1.88	2.02	1.13	1.10	1.07
18		<i>Mobile Home, Electric</i>	1.50	1.48	1.49	1.78	1.88	2.02	1.13	1.10	1.07
19	Torchieres										
20		<i>Single Family, Electric</i>	1.55	1.52	1.52	1.74	1.85	1.98	1.19	1.15	1.12
21		<i>Multifamily, Electric</i>	1.55	1.52	1.52	1.74	1.85	1.98	1.19	1.15	1.12
22		<i>Mobile Home, Electric</i>	1.55	1.52	1.52	1.74	1.85	1.98	1.19	1.15	1.12
23	Refrigerators										
24		<i>Single Family, Electric</i>	1.00	1.00	1.01	1.11	1.19	1.28	0.77	0.76	0.75
25		<i>Multifamily, Electric</i>	0.86	0.87	0.89	0.96	1.04	1.12	0.67	0.66	0.66
26		<i>Mobile Home, Electric</i>	1.02	1.02	1.04	1.13	1.22	1.31	0.79	0.78	0.77
27	Pool Pumps										
28		<i>All Housing Types, Electric</i>	0.98	0.97	0.98	0.89	0.96	1.03	0.80	0.78	0.77
29											
30	* Include information on each proposed measure, type of home (ie. Single Family, Multi Family, Mobile Home), and electric or gas (if										
31	applicable).										

Attachment A-10

LIEE Pilot or Study Implementation Plans

- Evaluate areas of customer and trade ally satisfaction/dissatisfaction.
- Identify barriers and obstacles to meeting program goals.
- Characterize attitudes and energy-saving behaviors of targeted customers and assess their willingness to participate in energy saving programs.
- Provide recommendations for improving programs.
- Determine the effectiveness and efficiency of the new program design and operations.
- Assess customer willingness to participate in energy saving programs and how our low-income customers respond to Marketing Education & Outreach (ME&O) efforts.
- As a review of program activities during the first year of the 2009-2011 Programmatic Initiative, the process evaluation will play a very important role in evaluating Joint Utility program processes and how they align with the Initiative. The Process Evaluation will also include an education, marketing and outreach component. The Joint Utilities believe that these elements will guide program ME&O by better positioning the Joint Utilities to undertake comprehensive and consistent ME&O efforts through direct and indirect customer contact.

4. Pilot or Study Rationale and Expected Outcome

- A process evaluation is recommended by the Joint Utilities because one has not been done for several years, and with the changes in the program, it would be prudent to conduct an evaluation of the effectiveness and efficiency of the program design and operations.⁶⁰
- Furthermore, an assessment of the effectiveness of the program strategy will provide an opportunity to refine and improve delivery and implementation in order to meet the goals of the strategic plan and other initiatives. In addition, understanding customer attitudes toward

⁶⁰ The Commission-adopted *California Energy Efficiency Evaluation Protocols* document states, “It is anticipated that most programs will have at least one in-depth comprehensive process evaluation within each program funding cycle (e.g., 2006-2008), but a program may have more or less studies depending on the issues that the IOUs need to research, the timing of the information needed and the importance of those issues within the program cycle.”~~“It is anticipated that most programs will have at least one in depth comprehensive process evaluation within each program funding cycle (e.g., 2006-2008), but a program may have more or less studies depending on~~

Attachment B-3

Program Years 2007-2008 CARE Outreach and Penetration Information

Attachment C-1

Program Years 2009-2011 CARE and LIEE Rate Impacts

	A	B	C	D	E	F	G	H	I
1	PY 2009 - 2011 CARE and LIEE Rate Impacts - Electric (cents/kWh)								
2	Southern California Edison								
3									
4	PY 2009	Average Rate Excluding CARE/LIEE Surcharge	CARE Subsidy Portion of Rate	CARE Administration Portion of Rate	LIEE Program Portion of Rate	LIEE Administration Portion of Rate	Cool Center Portion of Rate	Total CARE / LIEE / Cool Center Surcharge	Average Rate Including CARE / LIEE Cool Center Surcharge
5									
6									
7									
8	Residential (non CARE)	18.77	0.27	0.01	0.06	0.01	0.00	0.34	19.11
9	Residential (CARE)	11.75	-	0.01	0.06	0.01	0.00	0.07	11.83
10	Commercial	16.62	0.27	0.01	0.06	0.01	0.00	0.34	16.96
11	Industrial	12.20	0.27	0.00	0.04	0.01	0.00	0.32	12.52
12	Agricultural	12.54	0.27	0.00	0.04	0.01	0.00	0.32	12.86
13	Lighting	23.20	0.27	0.01	0.06	0.01	0.00	0.34	23.55
14	System	15.82	0.27	0.01	0.05	0.01	0.00	0.33	16.15
15									
16	PY 2010	Average Rate Excluding CARE/LIEE Surcharge	CARE Subsidy Portion of Rate	CARE Administration Portion of Rate	LIEE Program Portion of Rate	LIEE Administration Portion of Rate	Cool Center Portion of Rate	Total CARE / LIEE / Cool Center Surcharge	Average Rate Including CARE / LIEE Cool Center Surcharge
17									
18									
19									
20	Residential (non CARE)	19.31	0.28	0.01	0.06	0.01	0.00	0.36	19.67
21	Residential (CARE)	12.02	-	0.01	0.06	0.01	0.00	0.07	12.09
22	Commercial	16.97	0.28	0.01	0.06	0.01	0.00	0.36	17.33
23	Industrial	12.38	0.28	0.00	0.04	0.01	0.00	0.34	12.72
24	Agricultural	12.73	0.28	0.00	0.04	0.01	0.00	0.34	13.07
25	Lighting	24.31	0.28	0.01	0.06	0.01	0.00	0.36	24.67
26	System	16.21	0.28	0.01	0.05	0.01	0.00	0.35	16.56
27									
28	PY 2011	Average Rate Excluding CARE/LIEE Surcharge	CARE Subsidy Portion of Rate	CARE Administration Portion of Rate	LIEE Program Portion of Rate	LIEE Administration Portion of Rate	Cool Center Portion of Rate	Total CARE / LIEE / Cool Center Surcharge	Average Rate Including CARE / LIEE Cool Center Surcharge
29									
30									
31									
32	Residential (non CARE)	19.72	0.30	0.01	0.06	0.01	0.00	0.37	20.09
33	Residential (CARE)	12.21	-	0.01	0.06	0.01	0.00	0.07	12.29
34	Commercial	17.21	0.30	0.01	0.06	0.01	0.00	0.37	17.58
35	Industrial	12.51	0.30	0.00	0.04	0.01	0.00	0.35	12.86
36	Agricultural	12.85	0.30	0.00	0.04	0.01	0.00	0.35	13.20
37	Lighting	25.13	0.30	0.01	0.06	0.01	0.00	0.37	25.50
38	System	16.50	0.30	0.01	0.05	0.01	0.00	0.36	16.86

CERTIFICATE OF SERVICE

I hereby certify that, pursuant to the Commission's Rules of Practice and Procedure, I have this day served a true copy of ERRATA - TESTIMONY OF SOUTHERN CALIFORNIA EDISON COMPANY (U 338-E) IN SUPPORT OF APPLICATION FOR APPROVAL OF LOW-INCOME ASSISTANCE PROGRAMS AND BUDGETS FOR PROGRAM YEARS 2009-2011 on all parties identified on the attached service list(s). Service was effected by one or more means indicated below:

Transmitting the copies via e-mail to all parties who have provided an e-mail address.
First class mail will be used if electronic service cannot be effectuated.

Executed this **16th day of July, 2008**, at Rosemead, California.

/s/ Jennifer Alderete
Jennifer Alderete
Project Analyst
SOUTHERN CALIFORNIA EDISON COMPANY

2244 Walnut Grove Avenue
Post Office Box 800
Rosemead, California 91770