Supplementary Materials for Sustainability-846006:

"Factors Driving Consumer Involvement in Energy Consumption and Purchasing Behavior: Evidence from Korean Households"

Table 1. Household Energy Involvement Measurement Reliability and Factor Loadings.

Item	Obs	Sign	Average Interim Correlation	Cronbach's Alpha (std)	Factor Loadings	Unique Variance
Usage-Related						
EUI1a_3	3245	+	0.375	0.857	0.650	0.577
EUI1a_4	3245	+	0.372	0.856	0.704	0.503
EUI1a_6	3245	+	0.385	0.862	0.601	0.638
EUI1a_7	3245	+	0.375	0.857	0.662	0.560
EUI1a_9	3245	+	0.374	0.856	0.664	0.558
EUI1a_10	3245	+	0.374	0.856	0.665	0.556
EUI1b_1	3245	+	0.388	0.864	0.564	0.681
EUI1b_2	3245	+	0.389	0.864	0.547	0.700
EUI1b_4	3245	+	0.391	0.865	0.524	0.724
EUI1b_5	3245	+	0.387	0.863	0.573	0.671
EUI1b_10	3245	+	0.391	0.865	0.532	0.716
Test scale			0.382	0.872		
Purchase-Related						
EUIpur_1	3245	+	0.413	0.738	0.681	0.535
EUIpur_2	3245	+	0.472	0.782	0.539	0.709
EUIpur_3	3245	+	0.422	0.745	0.626	0.607
EUIpur_6	3245	+	0.443	0.761	0.549	0.698
EUIpur_7	3245	+	0.432	0.753	0.606	0.632
Test scale			0.436	0.795		

Table 2. Descriptive Statistics and Correlations of Variables.

Variables	N	Mean	Std. Dev.	1	2	3	4	5	6	7	8	9	10	11	12
1. HEI_Use	3251	5.404	0.728	1											
2. Energy consumption	3237	11.386	0.517	−0.1242*	1										
3. LED purchase	2978	0.329	0.470	0.1122*	0.0978*	1									
4. HEI_Pur	3251	5.193	0.859	0.6505*	−0.0598*	0.2037*	1								
5. Automation	3249	4.281	1.277	0.0855*	0.0913*	0.0884*	0.2644*	1							
6. Receptivity	3245	4.480	1.136	0.1924*	0.0725*	0.1257*	0.2934*	0.3705*	1						
7. Tolerance	3249	5.140	0.950	0.5825*	−0.1035*	0.0663*	0.4950*	0.1204*	0.1746*	1					
8. Environmental concern	3245	4.658	0.940	0.4723*	−0.0194	0.1501*	0.5202*	0.2474*	0.3274*	0.3791*	1				
9. Energy knowledge	3245	4.796	0.822	0.5252*	−0.0358	0.1812*	0.4616*	0.0651*	0.2356*	0.3740*	0.4784*	1			

	N	Mean	SD	1	2	3	4	5	6	7	8	9	10	11	12	13
10. Income	3245	5.115	1.997	−0.0115	0.1824*	0.1613*	0.0455*	0.1353*	0.1466*	−0.0098	0.1488*	0.1321*	1			
11. Importance	3245	5.461	0.813	0.2902*	0.0136	0.0304	0.1588*	−0.0359	0.0351	0.1823*	0.1025*	0.2292*	0.0217	1		
12. Dwelling size	3245	3.439	1.046	0.0089	0.2386*	0.2039*	0.0888*	0.0954*	0.0921*	0.0201	0.1343*	0.1033*	0.4370*	−0.0143	1	
13. Year built	3245	5.456	1.732	−0.0500*	−0.018	−0.0401*	−0.0486*	−0.0037	0.0314	−0.0321	−0.0262	−0.0089	0.0677*	−0.001	0.1058*	

Spearman Coefficients, * $p < 0.05$.
Some socioeconomic and housing characteristics variables (categorical dummy variables) are not presented.