Appendix Table 1: Local average treatment effects for different complier subgroups

	Control (1)	Adopter only when price is low (2)	Adopter when price is high (3)	*p*-value of diff. (4)
Share of sample (%)	100	67	22	
Panel A: Primary energy outcomes				
A1. Grid connected (%)	5.6 (23.0)	–	–	–
A2. Monthly electricity spending (USD)	0.14 [0.91]	2.00*** (0.21)	2.47*** (0.31)	0.28
Panel B: Additional energy outcomes				
B1. Electricity as main lighting (%)	5.2 [22.2]	86.8*** (2.4)	96.8*** (2.6)	0.01
B2. Number of appliance types owned	1.8 [1.3]	-0.2 (0.2)	1.5*** (0.3)	< 0.01
B3. Owns mobile phone (%)	84.3 [36.4]	-12.7*** (4.0)	18.5** (8.9)	< 0.01
B4. Owns radio (%)	54.2 [49.8]	-5.1 (5.3)	23.5* (13.0)	0.09
B5. Owns television (%)	17.9 [38.4]	-2.3 (4.6)	47.1*** (10.7)	< 0.01
B6. Owns iron (%)	4.1 [19.9]	-0.1 (2.5)	6.9 (5.9)	0.37
B7. Monthly kerosene spending (USD)	2.81 [2.86]	-1.21*** (0.26)	-1.66** (0.76)	0.64
B8. Monthly total energy spending (USD)	11.66 [28.47]	4.62* (2.57)	-16.64*** (4.89)	< 0.01
B9. Solar home system as main lighting (%)	11.8 [32.3]	-13.7*** (2.3)	-10.4 (8.0)	0.74

	Control (1)	Adopter only when price is low (2)	Adopter when price is high (3)	*p*-value of diff. (4)
Panel C: Primary economic outcomes				
C1. Household employed or own business (%)	36.8	1.1	14.6	0.31
	[38.8]	(4.2)	(10.3)	
—— Household women-only (%)	34.5	6.0	18.2	0.44
	[44.5]	(5.1)	(12.1)	
—— Household men-only (%)	40.2	-2.5	11.3	0.43
	[45.6]	(5.5)	(13.3)	
C3. Total hours worked last week	47.0	-2.2	-4.2	0.81
	[24.7]	(2.7)	(6.6)	
C4. Total asset value (USD)	914	3	630**	0.09
	[961]	(123)	(280)	
C5. Per capita cons. of major items (USD)	133	-3	-23	0.67
	[142]	(14)	(37)	
Panel D: Primary non-economic outcomes				
D1. Recent health symptoms index	0	-0.19*	0.29	0.14
	[1]	(0.10)	(0.26)	
D2. Normalized life satisfaction	0	0.12	0.23	0.76
	[1]	(0.11)	(0.28)	
D3. Avg. student test Z-score	0	-0.08	-0.11	0.92
	[1]	(0.12)	(0.24)	
D5. Political and social awareness index	0	-0.09	-0.03	0.86
	[1]	(0.10)	(0.26)	
Panel E: Mean treatment effects on grouped outcomes				
E1. Economic Index (C outcomes)	0	-0.03	0.30	0.31
	[1]	(0.11)	(0.26)	
E2. Non-Economic Index (D outcomes)	0	-0.10	0.06	0.64
	[1]	(0.10)	(0.26)	

Notes: Heterogeneous treatment effects estimated using only round 1 data (roughly 16 months post-connection). The following variables (reported in table 3, Lee, Miguel, and Wolfram 2019) were not collected in round 1: "C2. Monthly household earnings (USD)," "D4. Avg. student KCPE test Z-score," and "D6. Perceptions of security index." Column 1 reports mean values in the control group, with standard deviations in brackets. Using the established sample shares, columns 2 and 3 display weighted-average local average treatment effects for each adopter group. Robust standard errors, displayed in parentheses, are estimated using a stacked regression approach.