

Appendix A: Measurement Items

Attitude (ATT)
ATT1: Using solar PV is a good idea for my household
ATT2: Using solar PV would be beneficial for my household
ATT3: I have a positive opinion about using solar PV
ATT4: Using solar PV would be advantageous for my household
Social Influence (SI)
SI1: People important to me think I should adopt solar PV
SI2: My community encourages the use of solar PV
SI3: I would adopt solar PV if others around me do so
SI4: Social pressure influences my decision to adopt solar PV
Perceived Behavioral Control (PBC)
PBC1: I have the necessary knowledge to use solar PV systems
PBC2: I have the ability to install and use solar PV systems
PBC3: It is within my control to adopt solar PV systems
PBC4: I have the resources required to use solar PV systems
Perceived Usefulness (PU)
PU1: Solar PV would improve my household's energy supply
PU2: Solar PV would increase energy reliability
PU3: Solar PV would reduce my electricity costs
PU4: Solar PV would enhance my household's energy independence
PU5: Solar PV would be useful for my household
Perceived Ease of Use (PEOU)
PEOU1: Learning to use solar PV systems would be easy for me
PEOU2: It would be easy for me to understand how solar PV systems work
PEOU3: I find solar PV systems easy to use
PEOU4: It would be easy to operate and manage solar PV systems
PEOU5: Using solar PV systems would require little effort
Perceived Affordability (PAFF)
PAFF1: Solar PV systems are affordable for my household
PAFF2: I can afford the initial cost of installing solar PV
PAFF3: The long-term cost of solar PV is manageable
PAFF4: Solar PV systems are financially feasible for me
Adoption Intention (AI)
AI1: I would choose solar PV if I had to select a new energy source today
AI2: I intend to adopt a solar PV system in the near future
AI3: I will consider adopting solar PV for my home within the next months
AI4: I plan to install solar PV if financial and technical support is available
Binary Questions: Institutional and Post-Installation Perceptions
1. Is the process of connecting your solar PV system to the grid easy?
2. Are the costs of maintaining a solar PV system clear to you?