

Final 2015 ESPI Uncertain List

Utility	Measure Description	Comments on need
PGE	Home Energy Reports (Residential Energy Advisor Program)	Behavioral program requires ex post evaluation of all claims.
	Screw-in CFLs of all types with wattage values greater than 30.	Update of the gross baseline assumptions to account for the type and wattage of the lamp being replaced. Previous NTG studies have not focused on high wattage CFL lamps..
	Computer network and workstation power management software	Major concern that supply of this software is standard practice; this measure has not been previously studied and impact assumptions need verification.
	Sprinklers - low pressure nozzles and micro conversions	Energy savings estimates uncertain due to unclear measure definition; this measure has not been previously studied and impact assumptions need verification.
	HVAC Quality Maintenance activities	Change in program design and maturing program offering with many new measures makes assumption for impact highly uncertain.
	Screw-in LED lamps including downlight replacement kits	Update baseline assumptions and net savings including replaced lamp for early retirement versus standard practice for normal replacement and replace-on-burnout; market move to LED technology and rapidly changing products and pricing requires verification of assumptions.
	LED street lights and outdoor area lighting	Baseline assumptions and net savings including replaced lamp/ballast for early retirement versus standard practice for normal replacement and replace-on-burnout; market move to LED technology requires verification of assumptions.
	Occupancy sensor lighting controls - integrated and wall/ceiling	Code changes may change standard practice.
	De-lamping of T12 lamps in existing fixtures	De-lamping may normally be a required action during retrofit of surrounding fixtures thus subject to code or other baseline consideration.

Utility	Measure Description	Comments on need
	Energy Upgrade California	Change in program design and maturing program offering makes assumption uncertain; normal replacement versus early retirement assumptions are uncertain.
	Pool covers of all types	Uncertain gross and net savings; early replacement, normal replacement or add-on retrofit status unclear resulting in baseline, free-ridership, installation rate and measure eligibility uncertainty.
SCE	Screw-in CFLs of all types with wattage values greater than 30.	Update of the gross baseline assumptions to account for the type and wattage of the lamp being replaced. Previous NTG studies have not focused on high wattage CFL lamps.
	Screw-in LED lamps including downlight replacement kits.	Update baseline assumptions and net savings including replaced lamp for early retirement versus standard practice for normal replacement and replace-on-burnout; market move to LED technology and rapidly changing products and pricing requires verification of assumptions.
	LED street lights and outdoor area lighting.	Baseline assumptions and net savings including replaced lamp/ballast for early retirement versus standard practice for normal replacement and replace-on-burnout; market move to LED technology requires verification of assumptions.
	Occupancy sensor lighting controls - integrated and wall/ceiling	Code changes may change standard practice.
	De-lamping of T12 lamps in existing fixtures	De-lamping may normally be a required action during retrofit of surrounding fixtures thus subject to code or other baseline consideration.
	Home Energy Surveys (mail and phone)	Changing survey and audit methods and target population makes use of previous result inappropriate.
	LED night lights	Assumptions of replaced equipment and use uncertain.

Utility	Measure Description	Comments on need
	Computer network and workstation power management software	Major concern that supply of this software is standard practice; this measure has not been previously studied and impact assumptions need verification.
	HVAC mini-split system	This new technology is now widely available yet expensive with limited applicability; performance has not been studied and free ridership is uncertain.
	HVAC Quality Maintenance activities	Change in program design and maturing program offering with many new measures makes assumption for impact highly uncertain.
	Energy Upgrade California	Change in program design and shifting program offerings make assumptions uncertain; normal replacement versus early retirement assumptions are uncertain.
SDGE	Screw-in CFLs of all types with wattage values greater than 30.	Update of the gross baseline assumptions to account for the type and wattage of the lamp being replaced. Previous NTG studies have not focused on high wattage CFL lamps.
	Screw-in LED lamps including downlight replacement kits.	Update baseline assumptions and net savings including replaced lamp for early retirement versus standard practice for normal replacement and replace-on-burnout; market move to LED technology and rapidly changing products and pricing requires verification of assumptions.
	LED street lights and outdoor area lighting.	Baseline assumptions and net savings including replaced lamp/ballast for early retirement versus standard practice for normal replacement and replace-on-burnout; market move to LED technology requires verification of assumptions.
	Occupancy sensor lighting controls - integrated and wall/ceiling	Code changes may change standard practice.
	De-lamping of T12 lamps in existing fixtures	De-lamping may normally be a required action during retrofit of surrounding fixtures thus subject to code or other baseline consideration.
	HVAC Quality Maintenance activities	Change in program design and maturing program offering with many new measures makes assumption for impact highly uncertain.

Utility	Measure Description	Comments on need
	Variable speed pool pump	Rapid reduction in equipment pricing and improved efficiency makes gross and net savings uncertain.
	Energy Upgrade California	Change in program design and maturing program offering makes assumption uncertain; normal replacement versus early retirement assumptions are uncertain.
	Water savings kits/items (shower and faucet)	Energy impacts of this measure not subject to previous evaluation and assumption are uncertain; uncertain install rate and level of free riders.
	Pool covers of all types	Uncertain gross and net savings; early replacement, normal replacement or add-on retrofit status unclear resulting in baseline, free-ridership, installation rate and measure eligibility uncertainty.
SCG	HVAC Quality Maintenance activities	Change in program design and maturing program offering with many new measures makes assumption for impact highly uncertain. Coordination between electric and gas utility offerings uncertain.
	Water savings kits/items (shower and faucet)	Energy impacts of this measure not subject to previous evaluation and assumption are uncertain; uncertain install rate and level of free riders.
	Pipe insulation - steam and hot water	Uncertain typical pipe internal and surrounding temperatures, install rate (measure eligibility) and level of free riders.
	Pool covers of all types	Uncertain gross and net savings; early replacement, normal replacement or add-on retrofit status unclear resulting in baseline, free-ridership, installation rate and measure eligibility uncertainty.