

Appendix H:

San Diego Gas & Electric Company

Market Transformation Indicators

Revised MTIs

MTI Index #	Proposed Market Transformation Indicator	RE-CATEGORIZED Metric (LTPPM - or SPI) [E-4385 Appendix B original text except for noted edits]	Market Transformation Indicator	Strategic Plan/Policy Progress Indicator	Long-Term PPM (Program Performance Metric)	Deleted Metric	Justification / Rationale [For Classification and/or changes]	Unresolved Issues	Break Out Group Assignment
BasicCFL-3	<p><u>MT Indicator 3:</u> Saturation of eligible sockets (MSB, non-dimming, interior) with (1) basic CFLs and (2) pre-defined advanced lighting options.</p> <p>or</p> <p><u>MT Indicator 3:</u> Saturation of eligible sockets (MSB, non-dimming, interior) with top five most frequently used advanced efficient lighting options in eligible sockets.</p>	<p><u>MT Indicator 3:</u> Saturation of eligible sockets (MSB, non-dimming, interior) with CFLs or better</p>	1				Revised; to add more specificity to bulb types that may be appropriate for "advanced" currently.	Socket studies will likely be needed to measure (3-5 yrs). Supplemented with "average lumens/watt" assessments via saturation studies (shorter term)	Res
Residential Audits – Home Energy Efficiency Survey									
		None proposed.							
Residential – Home Energy Efficiency Rebate Subprogram									
Appliance-2	<p><u>MT Indicator 1:</u> Percentage of key appliances sold in California that are Energy Star.</p>	<p><u>MT Indicator 1:</u> Statewide market penetration of ENERGY STAR appliances sold at retail level across various store sizes.</p>	1				Revised. ENERGY STAR standards change, meaning measures will fall out of ENERGY STAR compliance and not contribute to any cumulative indicator. Revision will also be consistent with national, state and regional ES data.	Need to develop list of key appliances. Refrigerators, clothes washers, clothes dryers, dishwashers, freezers, others?	Res
Appliance-3		<p><u>MT Indicator 2:</u> Median age of in-home appliances statewide in single-family and multi-family homes</p>				1	Delete. Duplicates Appliance-1.		Res
Appliance-4		<p><u>MT Indicator 3:</u> Changes in the Energy Star energy saving level of incentivized measures over time</p>				1	Delete because of changes in baseline for Energy STAR (EPA determines). Difficult to track and longevity may not be good.		Res
MF Residential – Multifamily Energy Efficiency Rebate Subprogram									
Appliance-5		<p><u>MT Indicator 1:</u> Percentage of multi-family buildings achieving purchased energy reduction by 10%, or 20% or 30% or 40% and above.</p>				1	Delete. Since it may be covered in ResSW-2.	If Res-SW 2 does not assume to cover MF then re-consider as unique SPI for MF. In the future we may need a market change indicator on building owner purchasing patterns.	Res
Appliance-6	<p><u>MT Indicator 2:</u> Average efficiency of common area fixtures and appliances in MF properties</p>						Good measure of status of lighting and appliances in MF market.	May need further revision to make more specific.	Res
Appliance-7		<p><u>MT Indicator 3:</u> Percentage of eligible MF building participating in MFEER</p>				1	Delete. Tightly linked to cycle specific program activity, this is a short term PPM.		Res
Residential - Whole House Retrofit Subprogram									
DeepRetrofit-1		<p><u>MT Indicator 1:</u> Costs to customers of whole house retrofits, including costs of goods and labor.</p>				1	Delete. While the theory is that whole house retrofits would be more cost effective, it would be very difficult to isolate the externalities driving costs to make this metric meaningful.	Evaluation studies should still should be looking at costs to understand if the basis of this program is to lower costs, or to take advantage of a rare window of opportunity despite increased overall project costs.	Res
DeepRetrofit-2	<p><u>MT Indicator 2:</u> The proportion (%) number of households that elect not to perform comprehensive energy upgrades. due to lack of available financing, lack of qualified contractors, undesirable payback period, lack of urgency, "hassle" of upgrade, or uncertainty that the upgrades will provide appreciable benefit</p>		1				Revised to simplify, by removing the state of multiple market barriers, and focusing on the provision of the service regardless of reasons.	Comprehensive will need to be defined and be consistent with multi-jurisdictional efforts (IOU progs, CEC, local govs etc.); make sure it is not redundant with program tracking and value of non-participant information is more than cost to gather info.	Res
DeepRetrofit-3		<p><u>MT Indicator 3:</u> The number and percent of audits performed compared to the number of customers signed up for an audit (NRDC, p.7). Number of IOU customer households that undergo a deep retrofit (Advanced and/or IDSM) audit through IOU programs.</p>			1		Re-categorized since linked to IOU programs; Revised to simplify and be a stronger LTPPM.		Res

Revised MTIs

MTI Index #	Proposed Market Transformation Indicator	RE-CATEGORIZED Metric (LTPPM - or SPI) [E-4385 Appendix B original text except for noted edits]	Market Transformation Indicator	Strategic Plan/Policy Progress Indicator	Long-Term PPM (Program Performance Metric)	Deleted Metric	Justification / Rationale [For Classification and/or changes]	Unresolved Issues	Break Out Group Assignment
Lighting Market Transformation Program									
LMT-1		MT Indicator 1: Percentage of total lighting sales comprised of Best Practice technologies (by sector)				1	Delete. Not a good market indicator since the longevity is tied to specific technologies. Concept of improved availability and purchase of enhanced technologies are captured in Advanced Lighting indicators.		Res
LMT-2		MT Indicator 2: Number of technologies (by sector) for which market transformation is achieved (as defined by the program)				1	Delete. Indicator is tracking performance of the program, and is closely related to LMT-3.		Res
LMT-3	MT Indicator 3: Number of lighting technologies by sector that no longer require IOU program interventions		1				Retained with modification; closely related to CFL and Advanced Lighting metrics.	Modification may be needed, and alignment with other lighting metrics should be considered.	Res
New Construction- Residential California Advanced Homes Subprogram									
NC-1		MT Indicator 1: Total number/percentage of California-wide, new homes of all production types (SF, MF), modeled 15-19%, 20-29%, 30-39%,40+% above T24 code (2008 and subsequent code updates). Includes participants and non-participants; for all indicators suggested, baseline year would be years from which data for baseline study is drawn. OR (as SPI) "Percentage of new homes in CA that are built above 2008 Title 24 standards"		1			Re-categorized as SPI since focused on bigger strategic objective. Opportunities to simplify as an SPI.	Wording as SPI may need revision.	Res
NC-2	MT Indicator 2: Percentage of new homes in CA with self-generation capabilities	MT Indicator 2: Number/percentage of ZNE, and zero peak new homes of all production types (SF, MF) in California (includes participants and non-participants)	1				Revised--To focus on the broader market objective of ZNE while the more detailed definitions and branding of ZNE take hold in the market.	Metric can be modified to track ZNE specifically when there is a clearer definition across jurisdictions. Take care not to neglect EE in this metric.	Res
NC-3		MT Indicator 3: Average incremental cost of new homes more efficient than Title 24 (2008) (and subsequent code levels) by: 15%-19%; 20%-29%; 30-39%, 40+%; ZNE and zero peak homes				1	Delete. Tracking cost trends presents significant challenges for isolating externalities to make this a meaningful metric.		Res
NC-4		MT Indicator 4: Average electricity and energy use levels of California new residential units (KW/ft2; KBTU/ft2/year)		1			Re-characterized as a SPI; since it represents a broader strategic objective.	Definition of "energy use" will need to be clarified.	Res
New Construction - Residential ENERGY STAR® Manufactured Housing Subprogram									
NC-5	MT Indicator 1: Penetration rates of ENERGY STAR® manufactured homes in California as compared to homes meeting HUD specifications		1				Recommended as written as the core MTI for the manufactured home market segment.		Res
NC-6		MT Indicator 2: Incremental cost to customer of ENERGY STAR® manufactured as compared to homes meeting HUD specifications				1	Delete. Tracking costs for housing includes many externalities; NC-5 captures core MT need.		Res
NC-7		MT Indicator 3: Average energy savings of ENERGY STAR® manufactured homes as compared to baseline (homes meeting HUD specifications in X year)				1	NC-5 captures core MT need.		Res
NC-8		MT Indicator 4: Percentage and number of retailers that market ENERGY STAR® homes as their "standard home" (defined as ENERGY STAR homes comprise 50% or more of a retailers sales)				1	NC-5 captures core MT need.		Res
New Construction – Commercial Savings by Design Subprogram									

