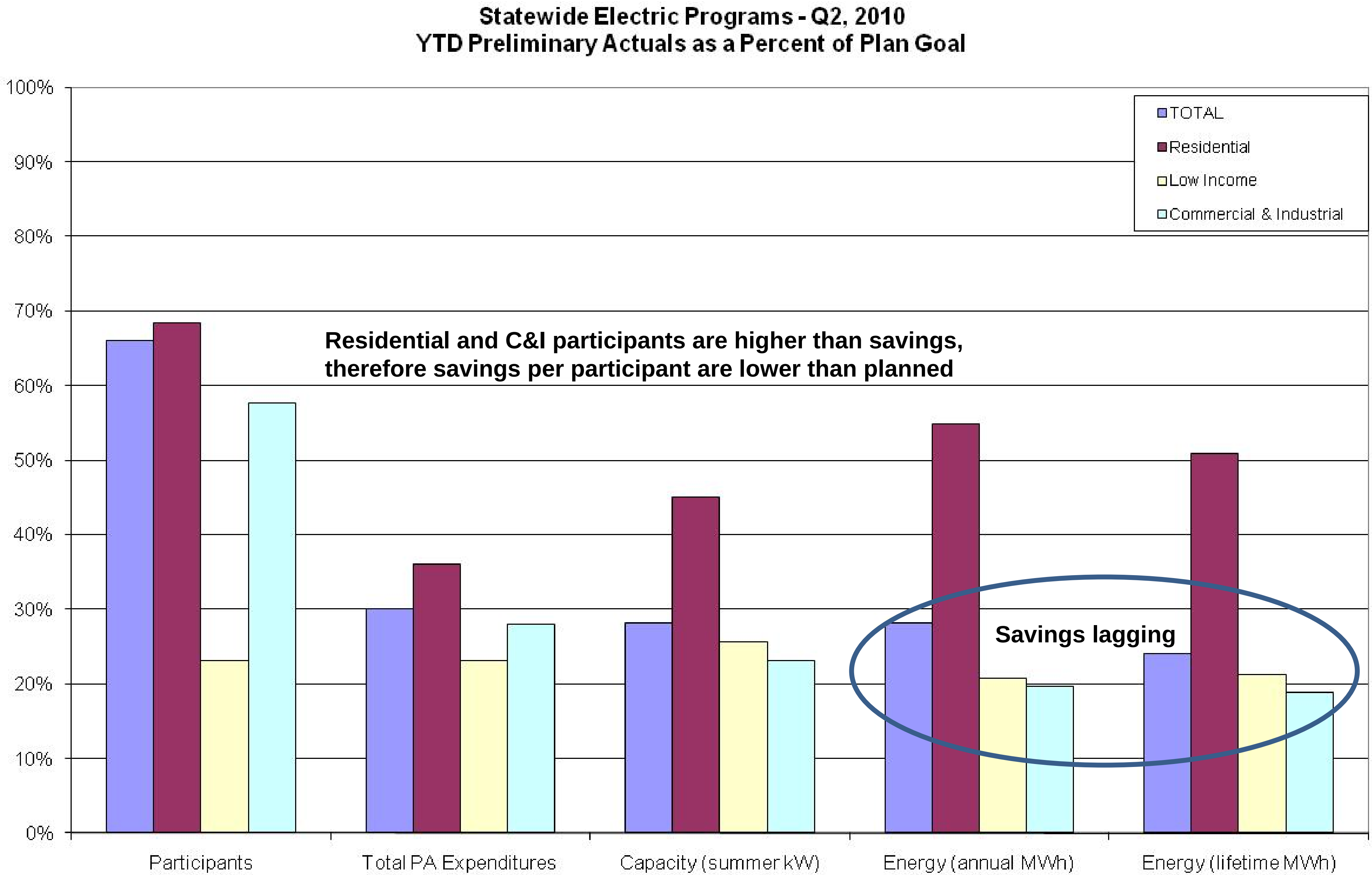
2010 Quarterly Reports: Q2 Quantitative Reports, Consultant Analysis

Council Consultants

MA EE Advisory Council Meeting
August 10, 2010

Summary – Electric Key Findings

- Electric savings and benefits are lagging (< 30% of plan goal), due to C&I and Low Income (both are about 20% of savings goal)
- But what will happen with "hockey stick" and volume of completed projects in late 2010?
- Some indication of key residential programs moving towards deeper savings; less indication of deeper savings in C&I programs
- Large variability across programs and PAs
- Underlying data problems/errors, potential mismatches in timing, inconsistent counting?



NOTES: Some Quarter 1 data has been updated. This data is preliminary and subject to revision and check. Costs and savings will not align until year end and it is important to understand that savings and costs fo not accrue linearly throughout the program year.

Movement Towards Deeper Savings

Program	Annual kWh savings per participant			Observations
	Q1	**Q2**	**Plan Goal**	
Residential	**135**	**528**	**315**	**Residential savings per participant are *higher* than the plan goal, and the Q2 savings are higher than Q1 (movement in right direction)**
Residential New Const.	2,395	2,661	2,024	
Mass Save Home Energy	680	1,261	921	
Commercial & Industrial	**22,620**	**27,740**	**74,341**	**C&I savings per participant are *lower* than the plan goal, though the Q2 savings are slightly higher than Q1 (examine the size of projects and size of customers vs. depth of savings in projects)**
C&I New Construction	35,475	52,165	85,594	
C&I Large Retrofit	75,747	77,623	239,097	
C&I Small Retrofit	12,458	14,353	17,991	

Need additional analysis of indicators of deeper savings (including % savings, based on load values for participating customers) to get a better picture of the movement towards deeper savings.

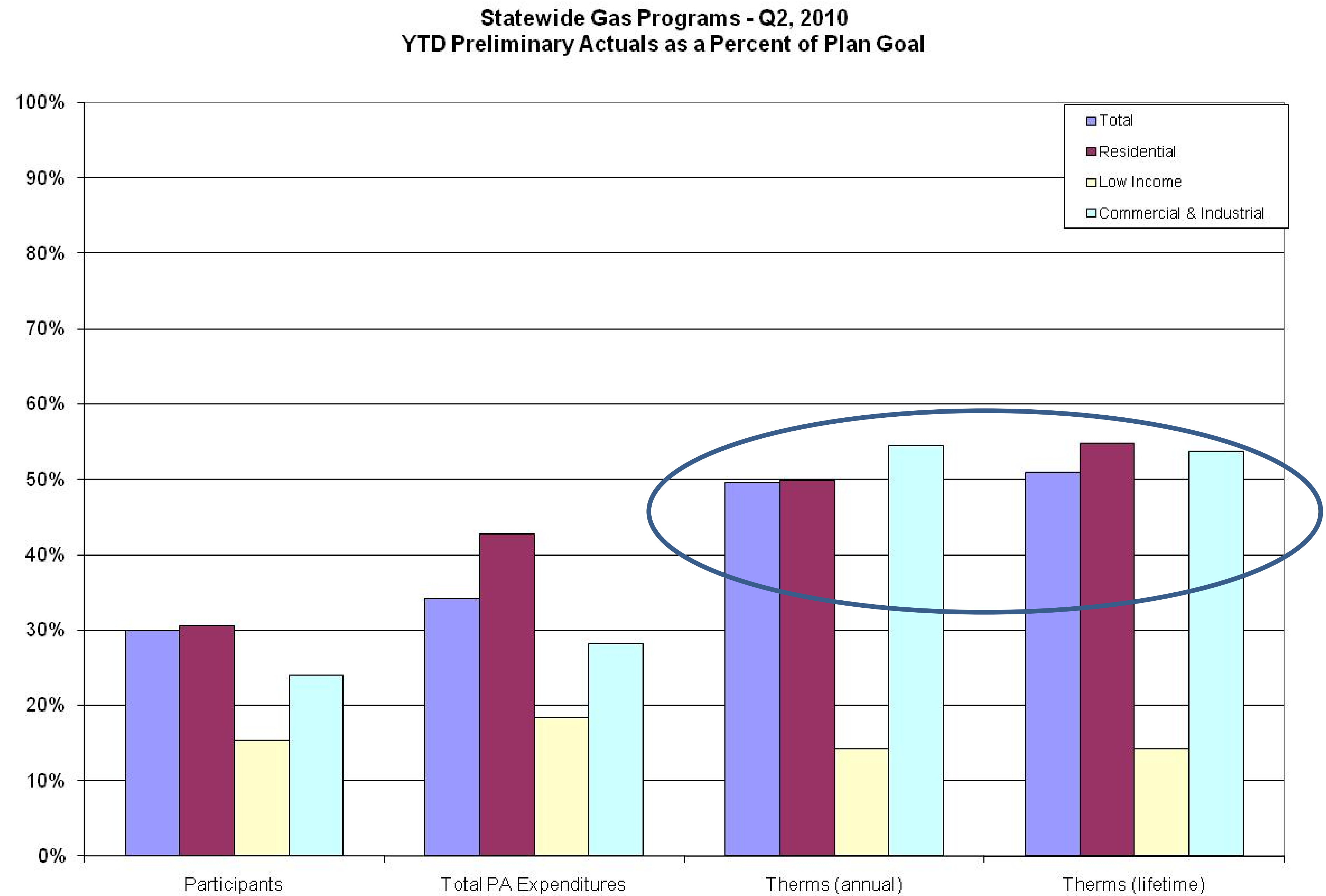
Movement Towards Higher Benefits

Program	Benefits (PV $) per participant			Observations
	Q1	**Q2**	**Plan Goal**	
Residential		**$1,513**	**$651**	**Residential benefits (PV $) per participant are *higher* than the plan goal (movement in right direction)**
Residential New Const.		$23,230	$10,735	
Mass Save Home Energy		$13,641	$5,975	
Commercial & Industrial		**$83,941**	**$132,478**	**C&I benefits per participant are *lower* than the plan goal overall, and *lower* in C&I Large Retrofit (examine the size of projects and size of customers vs. depth of savings in projects)**
C&I New Construction		$189,749	$187,977	
C&I Large Retrofit		$206,939	$389,674	
C&I Small Retrofit		$46,059	$33,504	

Need additional analysis of indicators of deeper savings and higher benefits per participant, and analysis of $ benefits per unit of kWh savings.

Summary – Gas Key Findings

- Gas savings and benefits are at about 50% of plan goal; Low Income lagging
- What will happen with “hockey stick” and volume of completed projects in late 2010?
- Some indication of key residential programs moving towards deeper savings; also some indication of deeper savings in C&I programs
- Large variability across programs and PAs
- Underlying data problems/errors, potential mismatches in timing, inconsistent counting?



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