Energy Trust of Oregon

Draft 2009 Budget Presentation Highlights and Updates From CAC October 22, 2008 Meeting

Conservation Advisory Council
December 3, 2008

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2009 Efficiency Emphasis

- Greater penetration within existing markets, emphasizing commercial sector
  - More emphasis on marketing and outreach
  - Customer focus
- Introduce more new efficient gas and electric technologies
- Complete integration of renewable and efficiency program delivery
- Continue capacity building to capture expanded opportunities
- Expand Trade Ally network
- Collaboration and leverage initiatives

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Efficiency Action Plan/Budget Themes

- Diving deeper into existing markets to glean more savings
- Great marketing and outreach to existing small businesses and new commercial construction
- Pursue zero net energy new commercial building design
- Focus outreach efforts to small industrial electric and gas customers
- Add near low-income residential initiative
- Explore behavior change strategies
  - Blueline energy monitors
  - Living wise boxes
  - Energy Performance Score (EPS)

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2009 Efficiency Program Emphases

- Residential
  - Existing Homes: Expand Home Performance with Energy Star growth, implement near-low income outreach strategy integrate solar hot water efforts into home assessements
  - New Homes and Products: Increase Energy Star new homes market share, promote high performance home construction and specialty CFL uptake, increase refrigerator recycling initiative penetration
- Commercial
  - Existing Buildings: Concentrate on food services, lodging , office, healthcare, add laundries, datacenters, and integrate solar.
  - New Buildings: Develop small to medium construction design-build market, expand Energy Star track, design net-zero pilot.
- Industrial
  - Production Efficiency: Expand greater PDC outreach and small to medium customer offerings through trade ally network. Develop semi-prescriptive analysis tools for small industrials.

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What's changed? – Efficiency Programs

PROGRAM	BUDGET ($M)			ELECTRIC SAVINGS[1]				GAS SAVINGS[1]			
				GOALS aMW		COST Levelized ($/kWh)		GOALS Annual Therms		COST Levelized ($/Therm)	
	ELECTRIC	GAS	TOTAL	Conservative	Stretch Goal	Conservative	Stretch Goal	Conservative	Stretch Goal	Conservative	Stretch Goal
ENERGY EFFICIENCY											
Commercial											
Business Energy Solutions – Existing Buildings	0.1	0.0	0.2	0.00	0.00	0.000	0.000	-	-	0.003	0.003
Business Energy Solutions – New Buildings	(1.1)	(0.1)	(1.2)	-0.42	-0.56	0.000	0.000	(36,830)	(49,106)	0.022	0.017
Mkt Transformation (Alliance)	0.1	0.0	0.1	0.02	0.02	0.000	0.000	NA			
Total Commercial	**(0.9)**	**(0.1)**	**(0.9)**	**-0.4**	**-0.5**	**0.000**	**0.000**	**(36,830)**	**(49,106)**	**0.009**	**0.007**
Industrial											
Production Efficiency	0.6	0.0	0.6	0.21	0.29	0.000	0.000	-	-	0.001	0.001
Mkt Transformation (Alliance)	(0.1)	0.0	(0.1)	-0.06	-0.08	0.000	0.000	NA			
Total Industrial	**0.5**	**0.0**	**0.5**	**0.2**	**0.2**	**0.000**	**0.000**	**-**	**-**	**0.001**	**0.001**
Residential											
Home Energy Solutions – Existing Homes	1.9	(0.2)	1.7	0.31	0.42	0.002	0.001	12,169	16,226	-0.028	-0.021
Home Energy Solutions – New Homes & Products	0.1	(0.1)	0.0	-0.42	-0.56	0.007	0.005	(6,900)	(9,200)	0.065	0.049
Mkt Transformation (Alliance)	0.0	0.0	0.0	0.00	0.00	0.000	0.000	NA			
Total Residential	**2.1**	**(0.3)**	**1.7**	**-0.1**	**-0.1**	**0.002**	**0.002**	**5,269**	**7,026**	**-0.026**	**-0.019**
Total Energy Efficiency	**$1.7**	**($0.4)**	**$1.3**	**-0.4**	**-0.5**	**0.001**	**0.001**	**(31,560)**	**(42,081)**	**-0.003**	**-0.003**

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2009 EE Program Budget – Stretch Goal

Electric							
	2008 aMW -plan	2009 aMW	2009 kWh	2009 Electric cost	Measure Life	2009 levelized cost	2008 levelized cost - plan
Existing Buildings	5.28	9.49	83,112,992	$15,691,308	13.0	0.020	0.024
New Buildings	3.14	7.27	63,696,248	$14,628,291	17.9	0.020	0.026
NEEA - commercial	0.26	0.27	2,390,443	$1,694,938	15.0	0.069	0.069
Production Efficiency	9.72	10.82	94,767,404	$20,543,247	11.2	0.026	0.021
NEEA - Industrial	1.07	1.00	8,721,330	$887,663	10.0	0.013	0.013
Existing Homes	3.08	2.72	23,847,598	$10,699,027	22.3	0.034	0.027
New Homes and Products	7.53	5.36	46,944,086	$15,833,802	7.7	0.054	0.030
NEEA - residential	5.47	4.64	40,607,928	$880,584	8.0	0.003	0.003
NEEA - combined	6.80	5.90	51,719,701	$3,463,185	8.7	0.010	0.009
Program	35.56	41.56	364,088,029	$80,858,860	12.7	0.024	0.022
Best Case							
		2008 Therms - plan	2009 Therms	Gas Cost	Measure Life	2009 levelized cost 5.2%	2008 levelized cost - plan
Existing Buildings		570,757	857,992	$2,826,376	15.2	0.319	0.280
New Buildings		369,600	434,998	$1,721,346	17.4	0.351	0.331
Production Efficiency		38,903	111,000	$517,698	12.0	0.532	0.786
Existing Homes		948,293	1,000,097	$9,492,210	29.2	0.639	0.485
New Homes and Products		385,165	128,082	$2,382,874	24.0	1.375	0.430
Program		2,312,718	2,532,170	$16,940,503	21.4	0.525	0.407

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2010 EE Program Projection – Stretch Goal

Electric						
		2010 aMW	2010 kWh	2010 Electric cost	Measure Life	2010 levelized cost
Existing Buildings		7.42	65,000,000	$12,740,181	13.1	0.021
New Buildings		3.32	29,093,800	$11,240,512	17.9	0.034
NEEA - commercial		0.27	2,390,443	$1,703,065	15.0	0.070
Production Efficiency		9.23	80,880,213	$16,983,471	10.6	0.026
NEEA - Industrial		1.00	8,721,330	$891,825	10.0	0.013
Existing Homes		2.96	25,893,634	$10,143,602	22.7	0.030
New Homes and Products		5.71	50,000,000	$15,260,992	7.8	0.049
NEEA - residential		4.64	40,607,928	$884,276	8.0	0.003
NEEA - combined		5.90	51,719,701	$3,479,166	8.7	0.010
Program		34.54	302,587,347	$69,847,925	12.1	0.026
Gas						
			2010 Therms	Gas Cost	Measure Life	2010 levelized cost
Existing Buildings			480,000	$1,567,626	15.1	0.318
New Buildings			285,251	$1,212,931	17.4	0.377
Production Efficiency			49,000	$229,101	12.0	0.533
Existing Homes			656,583	$6,910,785	29.7	0.703
New Homes and Products			120,000	$2,127,166	24.3	1.301
Program			1,590,834	$12,047,609	22.1	0.584

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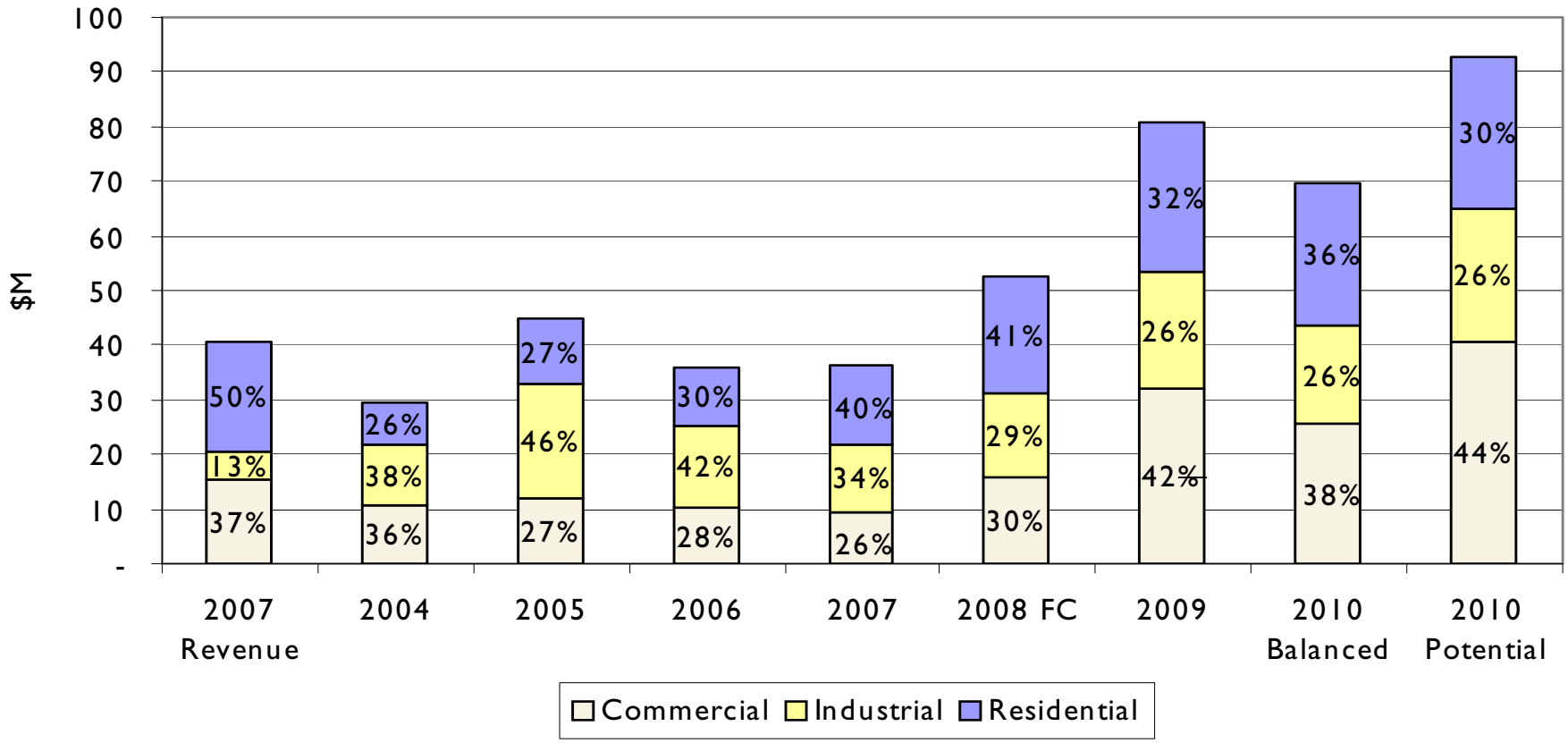
Electric Efficiency Spending



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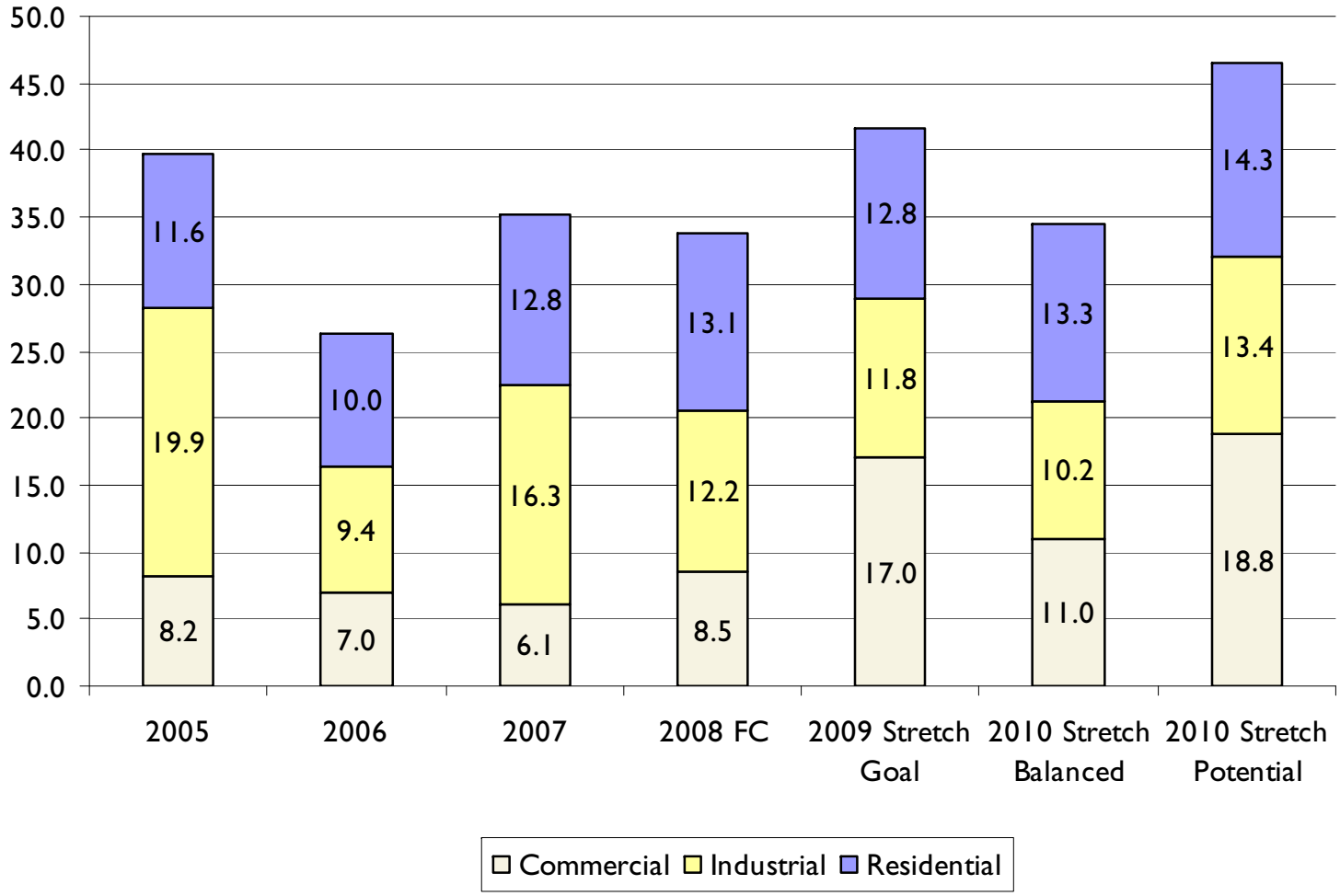
Electric Efficiency Savings in aMW



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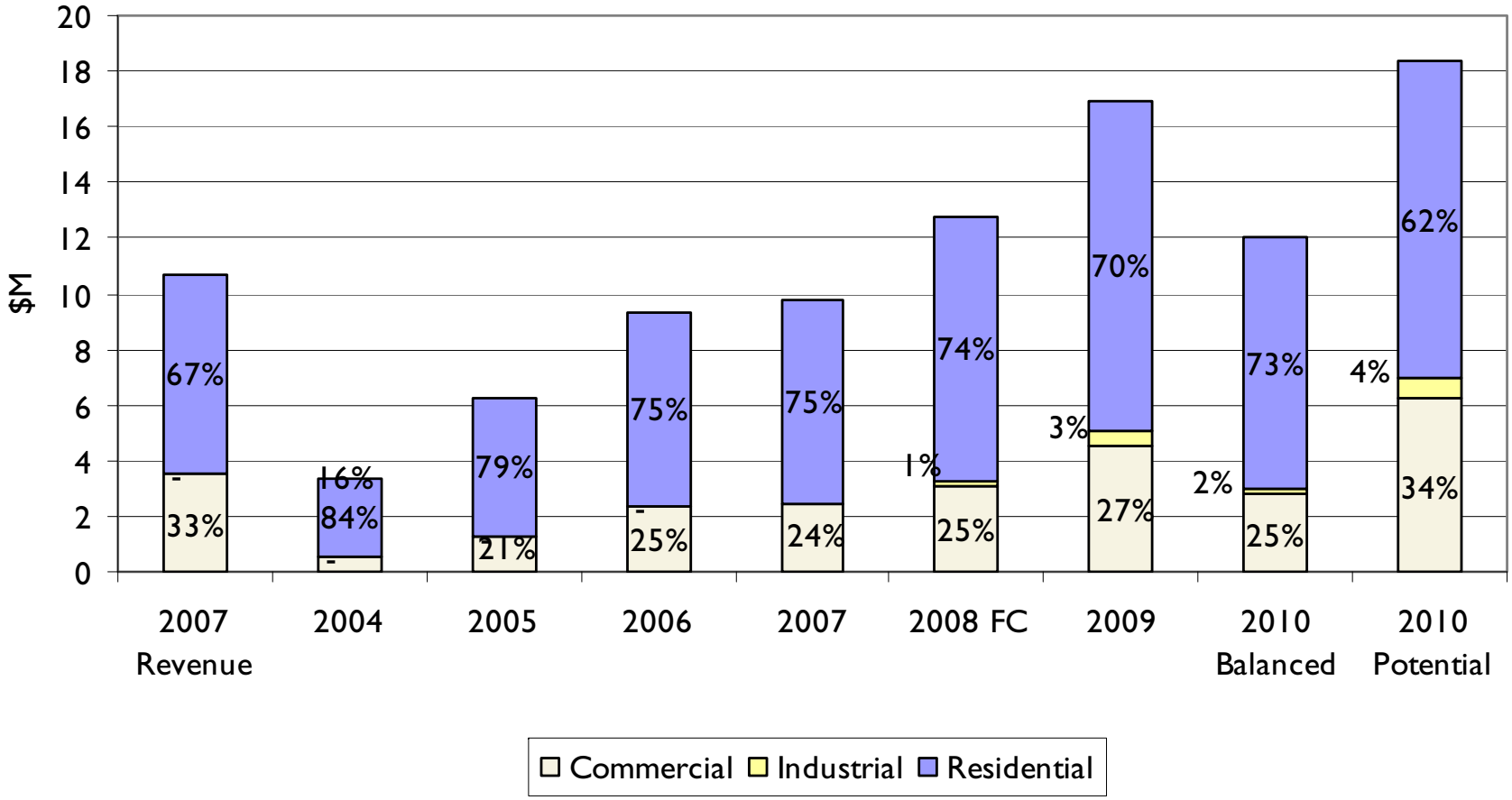
Gas Efficiency Expenditures



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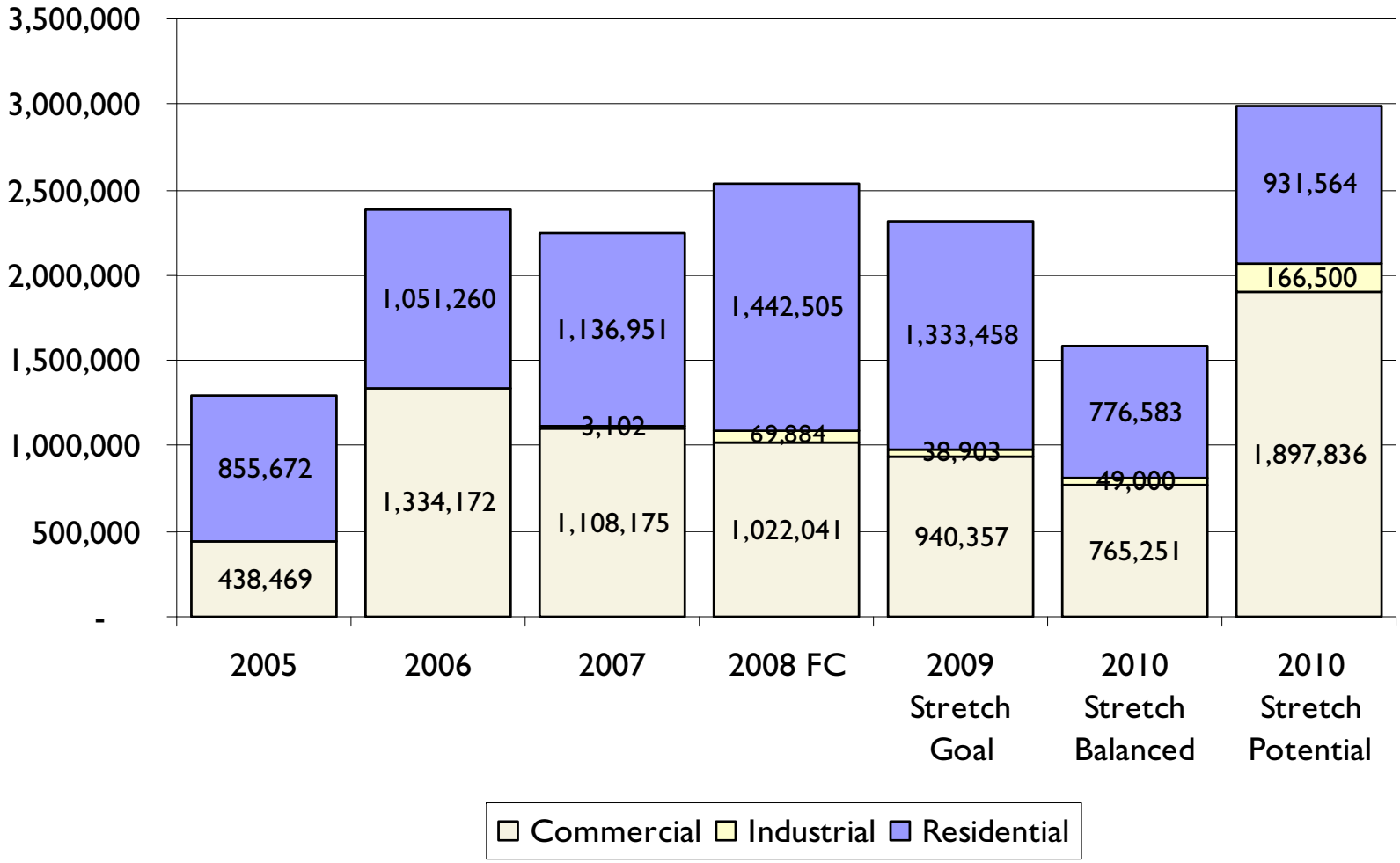
Gas Efficiency Savings-Annual Therms



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Communications and Outreach Themes

- Apply customer-driven marketing strategy
- Utilize market research findings
- Cross-program initiatives
  - Green Street Lending
  - Energy Performance Score
  - Better Living Shows
  - Strategic, leveraged ad buys addressing multiple programs
- Continue website improvements
- Community Energy Project beyond Corvallis

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Management & General Themes

- Continue process improvement and customer focus
- Act on IT Enterprise Architecture Study
  - Put a new IT staffing plan in place
  - Access contact management system and software
  - Evaluate accounting and finance packages
  - Develop implementation plans for any new system
- Begin process for 2009 Management Audit

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Next Steps

- All comments due December 4th (tomorrow)
- Complete draft final budget and action plan for December 12th Board meeting
- Continue monitoring of federal, regional and state activities

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