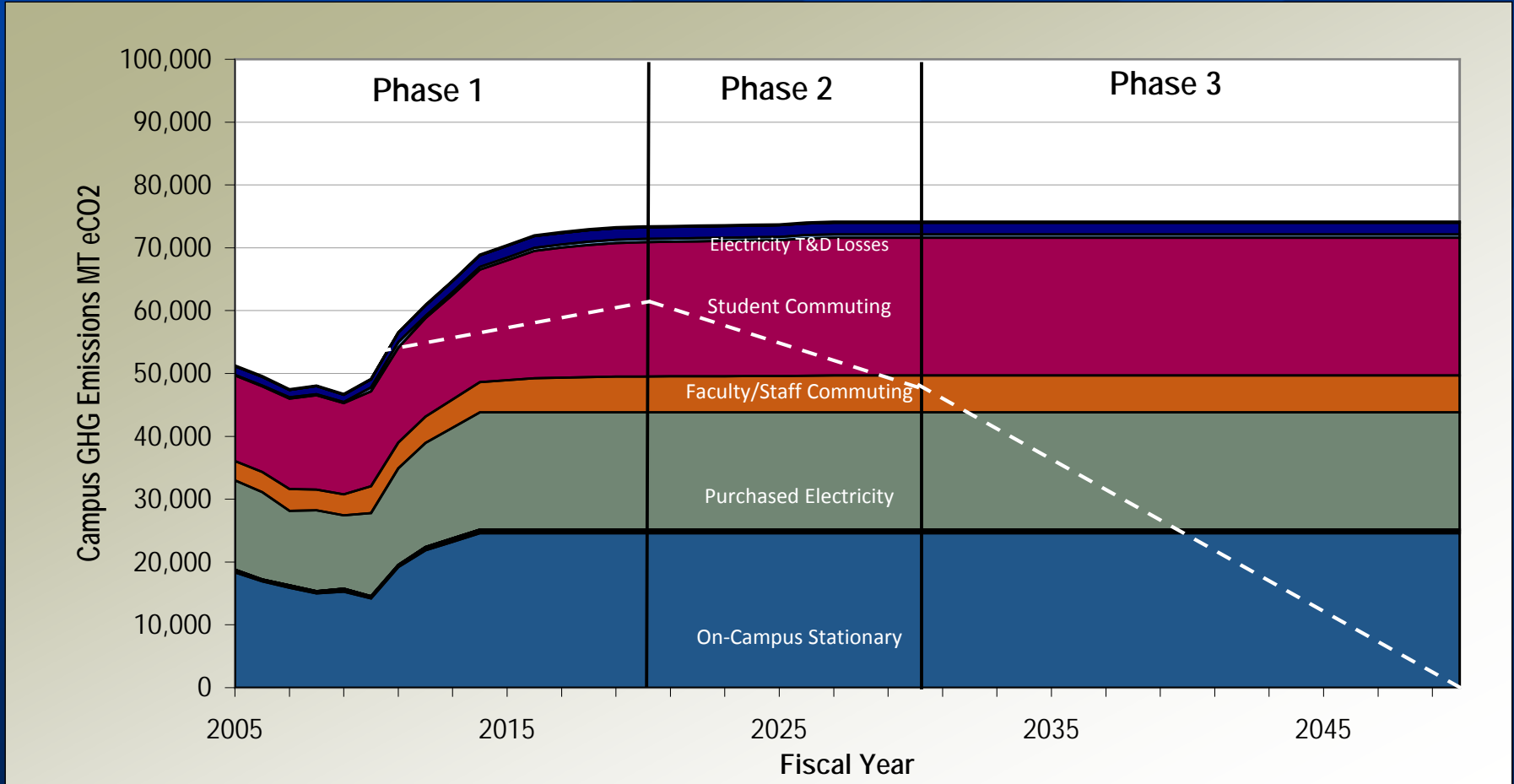


UMass Lowell Climate Action Plan Interim Report

March 2014

Projected Business As Usual (BAU) Emissions

Green House Gas (GHG) emissions in Metric Tonnes of CO₂ equivalent (MT eCO₂)



- Figure projects business as usual (BAU) emissions
- Dashed-white trend line outlines emission reduction targets against our projected BAU emissions

CAP Interim Report-Emissions Highlights

Scope	Description	FY13 (CACP v6.9)	FY11 (CACP v6.7)	Change		Explanation
		eCO2	eCO2	eCO2	eCO2	
		Metric Tonnes	Metric Tonnes	Metric Tonnes	%	
Totals	Scope 1	16,379.6	16,564.3	(184.67)	-1.1%	Decrease in Scope 1 emissions
	Scope 2	15,113.1	15,367.5	(254.36)	-1.7%	Decrease in Scope 2 emissions
	Scope 3	18,724.2	19,204.9	(480.65)	-2.5%	Decrease in Scope 3 emissions
	All Scopes	50,217.0	51,136.6	(919.69)	-1.8%	Overall decrease in gross emissions
Total	Scope 1+2 per 1000 GSF	8.7	9.3	(0.69)	-7.4%	Decrease in normalized Scope 1 & 2
Normalized	Scope 3 per FTE	1.5	1.7	(0.19)	-11.4%	Decrease in normalized Scope 3
GSF	1000 SF	3,640.1	3,417.1	223.03	6.5%	Increase in square footage
FTE Students	FTE	12,377.0	11,246.0	1,131.00	10.1%	Increase in student population

MT eCO2: Metric Tonnes of CO2 equivalent

- ▶ **34% Reduction in MT eCO2/FTE since FY 07**
 - 6.14 MT eCO2/FTE - FY 07 and 4.06 MT eCO2/FTE - FY 13
- ▶ **23% Reduction in MT eCO2/1000 SF since FY 07**
 - 17.95 MT eCO2/1000 SF - FY 07 and 13.79 MT eCO2/1000 SF - FY 13
- ▶ **Increased the GSF and FTE – FY 11 to 13, yet emissions decreased - from 51.1K to 50.2K MT eCO2.**

CAP Interim Report Highlights

- ▶ UML has already exceeded 2020 interim goals for scope 3 emissions/FTE.
- ▶ Energy Projects completed in FY 12 and 13 will reduce GHG by 3700 MT eCO₂/yr. AEP will reduce GHG by 6000+ MT eCO₂/yr by end of 2015.
- ▶ The Academic Sub-committee has increased climate change research and student awareness in UML and high schools across the region.
- ▶ Undergraduate climate change and sustainability related degrees:
 - Engineering, Science, Health Science, Fine Arts, Humanities and Social Sciences.
- ▶ Research pertaining to the Climate Change Initiative serves as a driver for student sustainability.
- ▶ Community Engagement by Sustainability Subcommittee.
 - Hands-on education via Sustainability students subcommittee involvement.
 - Earth Week
 - Composting Initiative
- ▶ UML has completed ETIC as LEED in FY 13. Four more LEED buildings by next progress report – HSS, U Suites, U Cxg, Management.