

# BASELINE GREENHOUSE GAS EMISSIONS INVENTORY – 2013 (+ 2014)

## UNIVERSITY *of* NORTH CAROLINA PEMBROKE

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# TABLE OF CONTENTS

SECTION	PAGE
Table of Contents.....	2
Acronyms and Abbreviations.....	3
Acknowledgements.....	4
Executive Summary.....	5
Introduction.....	8
Methodology.....	8
GHG Collection Data and Accounting Methods.....	9
Conclusion.....	16
Appendices.....	17
List of Appendices:	
A. Budget Data.....	18
B. Population Data.....	23
C. Physical Size Data (Square Footage).....	26
D. Utilities Consumption Data.....	30
E. Mobile Sources Data (Fleet).....	32
F. Refrigerants Data.....	40
G. Fertilizer Data.....	42
H. Commuting Data.....	43
I. Air and Ground Travel Data.....	48
J. Solid Waste Data.....	54
K. Paper Consumption Data.....	55
List of Figures:	
1. Gross GHG Emissions by Source for FY2013 (baseline).....	(7)
2. Gross GHG Emissions by Scope for FY2013 (baseline).....	(7)
List of Tables:	
1. Summary of Gross GHG Emissions by Source for FY2013 (baseline) and FY2014.....	(6)



## ACRONYMS AND ABBREVIATIONS

AASHE – Association for the Advancement of Sustainability in Higher Education  
ACUPCC – American College and University Presidents’ Climate Commitment  
AES – Appalachian Energy Summit  
Btu – British thermal unit  
CA-CP – Clean Air - Cool Planet Campus Carbon Calculator  
CAP – Climate Action Plan  
CF – conversion factor  
CH<sub>4</sub> – methane  
CO<sub>2</sub> – carbon dioxide  
CO<sub>2</sub>E – carbon dioxide equivalent  
EF – emission factor  
FTE – full-time equivalent  
FY – fiscal year  
GHG – greenhouse gas inventory  
GWP – global warming potential  
GSF – gross square footage  
HFCs – hydrofluorocarbons  
HVAC – heating, ventilation and air-conditioning  
Kg – kilogram  
kW – kilowatt  
kWh – kilowatt hour  
lb. – pound  
LEED – Leadership in Energy and Environmental Design  
LPG – liquid petroleum gas or propane  
MMBtu – Million British thermal units  
MPG – miles per gallon  
MSW – municipal solid waste  
MT – metric ton  
MTCO<sub>2</sub>E – metric tons of carbon dioxide equivalent  
N – Nitrogen  
N<sub>2</sub>O – nitrous oxide  
PFCs – perfluorocarbons  
R – Freon  
RECs – renewable energy credits  
RFI – radiative force index  
RPM – revenue passenger mile  
SF<sub>6</sub> – sulfur hexafluoride  
T&D – transmission and distribution  
UNC – University of North Carolina  
UNCP – University of North Carolina at Pembroke  
U.S. DOE – United State Department of Energy  
U.S. EPA – United State Environmental Protection Agency  
WARM – Waste Reduction Model  
WIC – Web Information Coordinator  
WRI/WBCSD – World Resources Institute and World Business Council for Sustainable Development



*Water feature at Lowry Bell Tower*

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## EXECUTIVE SUMMARY

In support of the UNC Sustainability Policy (600.6.1), signatory commitments of the Appalachian Energy Summit (AES) and the American College and University Presidents' Climate Commitment (ACUPCC), to reduce greenhouse gas (GHG) emissions, The University of North Carolina at Pembroke (UNCP) has established a comprehensive baseline GHG emissions inventory or carbon footprint, from which to monitor and measure progress. An action plan to reduce campus emissions, as part of the campus' Strategic Sustainability Plan, will be the next phase of development to follow these findings. UNCP's baseline GHG inventory is fiscal year 2013 (FY2013) and this report also includes FY2014. This baseline includes campus-wide emissions during each reporting period, as required by ACUPCC signatories, which includes accounting of the six GHGs covered under the Kyoto Protocol to the United Nations: carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, and perfluorocarbons and Sulphur hexafluoride.

Development of the baseline GHG emissions inventory follows international consensus GHG accounting protocols developed by the World Resources Institute (WRI) and World Business Council for Sustainable Development (WBCSD) in conjunction with the Clean Air – Cool Planet Campus Carbon Calculator (CA-CP) (v7.0). The CA-CP is the primary and recommended tool used by institutions participating in the ACUPCC. The organizational boundary of UNCP includes emissions sources that are under its operational control.

The long-range goal sought by all of the above sustainability commitments is to strive towards carbon neutrality by the year 2050 or before. With this baseline measurement, the effectiveness of current and future initiatives can be measured. In addition, return on investments and future projections can be calculated.

Total gross GHG emissions for the FY2013 baseline year were 23,211 metric tons of carbon dioxide equivalent (MTCO<sub>2</sub>E), with emissions from three sources collectively accounting for 91% of total emissions:

1. Purchased electricity
2. Commuting (faculty, staff and students)
3. Stationary sources (boilers and generators)

Total gross GHG emissions for FY2014 were 22,853 MTCO<sub>2</sub>E, representing a decrease of 358 MTCO<sub>2</sub>E or a 1.5% reduction from the FY2013 baseline.



*Old Main, at dusk*

The table below summarizes the emissions from the baseline year (FY2013) and the following year (FY2014).

SCOPE	SOURCE	FY2013	FY2014
Scope 1 Emissions (MTCO <sub>2</sub> E)	Stationary Sources	2,947.0	2,897.8
	Mobile Sources	118.7	120.7
	Refrigerants and Chemicals	394.1	556.1
	Agriculture Sources	34.2	34.2
	<b>Total Scope 1 Emissions</b>	<b>3,494.0</b>	<b>3,608.9</b>
Scope 2 Emissions (MTCO <sub>2</sub> E)	Purchased Electricity	12,046.6	11,753.6
	<b>Total Scope 2 Emissions</b>	<b>12,046.6</b>	<b>11,753.6</b>
Scope 3 Emissions (MTCO <sub>2</sub> E)	Commuting	6,061.6	6,018.6
	Air Travel	515.7	461.0
	Ground Travel	292.9	289.1
	Solid Waste	(37.5)	(29.8)
	Paper Consumption	93.6	25.3
	Scope 2 T&D	744.6	726.5
	<b>Total Scope 3 Emissions</b>	<b>7,670.8</b>	<b>7,490.7</b>
Scope 1-3 Totals and Intensities (MTCO <sub>2</sub> E)	<b>Total Gross Emissions</b>	<b>23,211.4</b>	<b>22,853.2</b>
	Gross Square Footage (GSF) x 1,000	1,711.7	1,730.8
	Full-Time Equivalent Students (FTE)	5,250	5,163
	<b>Total Gross Emission Intensity per 1,000 GSF</b>	<b>13.6</b>	<b>13.2</b>
	<b>Total Gross Emission Intensity per FTE</b>	<b>4.4</b>	<b>4.4</b>

NOTE: During the time period of these emissions inventories, the campus did not have emissions offsets to report.

National Benchmarking: Average Gross Emissions for Master's Colleges and Universities- Carnegie Classification

Master's Colleges and Universities	Average Gross Emission Intensity per 1,000 GSF	14.6
	Average Gross Emission Intensity per FTE	4.2

Table 1: Summary of UNCP's Gross GHG Emissions by Source for FY2013 (baseline) and FY2014

The figures below provide graphical representation of the emissions by source category and scope.

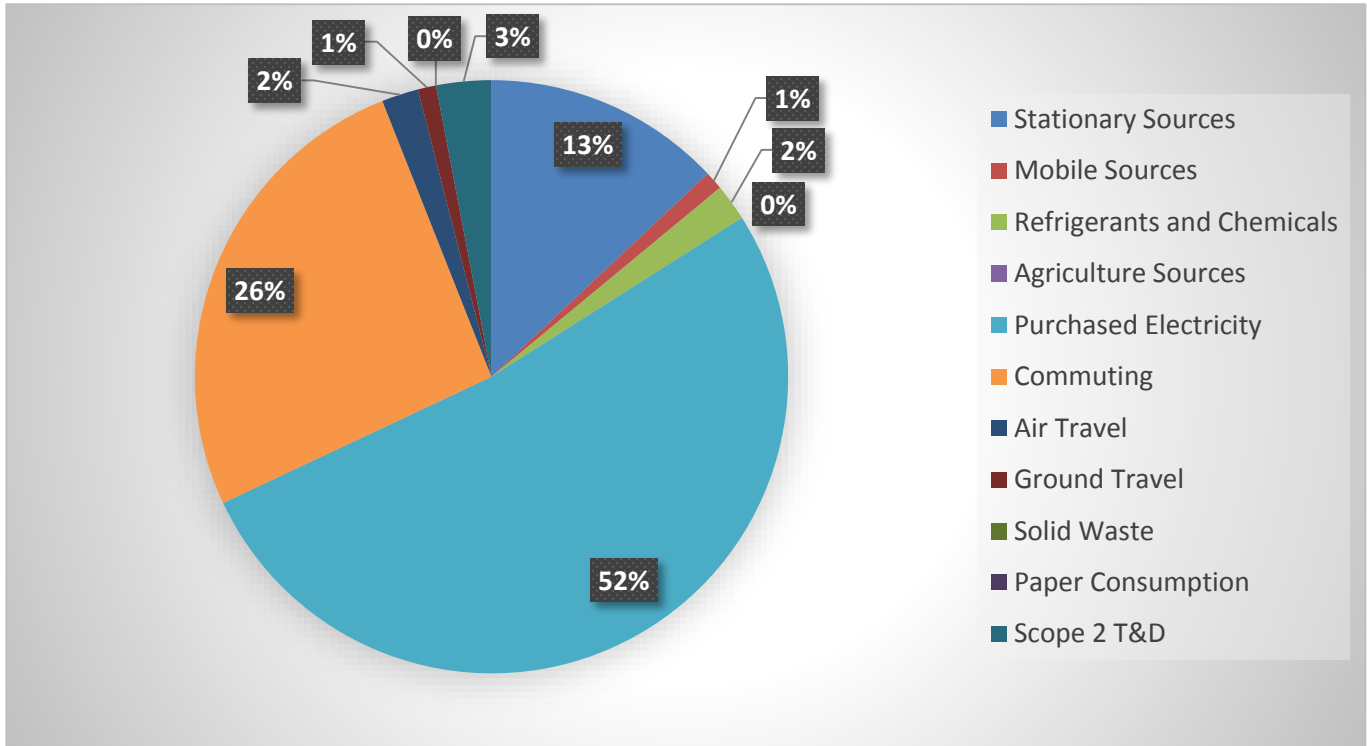


Figure 1: UNCP's Gross GHG Emissions by Source for FY2013 (baseline)

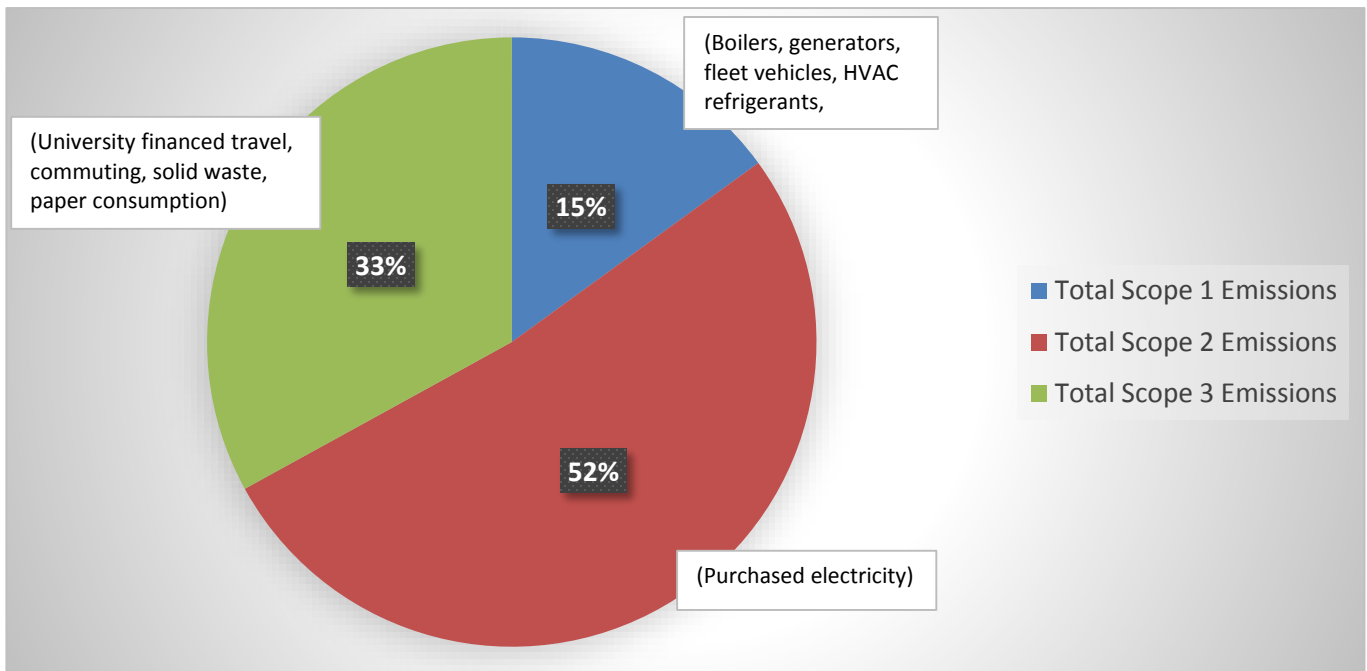


Figure 2: UNCP's Gross GHG Emissions by Scope for FY2013 (baseline)

## INTRODUCTION

Sustainability efforts at colleges and universities in the State of North Carolina became more focused in 1999 with NC Executive Order 156, titled: State Government Environmental Sustainability, Reduction of Solid Waste, and Procurement of Environmentally Preferable Products, signed by Governor Jim Hunt.

Since then, universities and colleges have continued to make progress in sustainability with the Utility Savings Initiative in 2002 (State Energy Office) and the University of North Carolina (UNC) Sustainability Policy (600.6.1 in 2009), which requires schools to develop a plan to become carbon neutral by the year 2050. Moreover, in 2012, all UNC universities became signatories of the Appalachian Energy Summit, which has a university system goal to save over \$1 billion in energy costs over 20 years, by the year 2020. Most recently, in 2014 UNC Pembroke also signed the American College and University Presidents' Climate Commitment (ACUPCC). This sustainability commitment includes striving for climate neutrality as soon as possible, integrating sustainability into academics and research, and publically reporting progress. Currently, 9 UNC-system universities, out of 16 have signed the ACUPCC. Overall today 685 presidents and chancellors have become signatories from all 50 states representing over 6 million students.

This FY2103 (baseline) GHG emissions inventory establishes the starting point for measuring progress of efforts to reduce the campus' carbon footprint, while striving for carbon neutrality. Being a signatory of the ACUPCC further demonstrates UNCP's commitment to sustainability. This inventory will be followed by development of a Strategic Sustainability Plan, including emissions reduction strategies—long-term roadmap for achieving carbon neutrality by a target date of 2050.

## METHODOLOGY

### GHG Accounting Protocol

UNCP's GHG emission inventory has been developed following the international consensus GHG accounting protocols developed by the WRI and WBCSD in conjunction with the CA-CP Campus Carbon Calculator (v7.0). Both programs are based on the Intergovernmental Panel on Climate Change (IPCC) guidelines for national-level inventories, and represent state-of-the-art scientific methods for calculating GHG emissions. Emissions were considered from the six categories of greenhouse gases included in the Kyoto Protocol, with global warming potentials (GWP) noted for each:

- Carbon dioxide (CO<sub>2</sub>) ..... GWP: 1
- Methane (CH<sub>4</sub>) ..... GWP: 25
- Nitrous oxide (N<sub>2</sub>O) ..... GWP: 298
- Sulfur hexafluoride (SF<sub>6</sub>) ..... GWP: 22,800
- Hydrofluorocarbons (HFCs) ..... GWP: (134a) = 1,430 | HCFC 22 = 1,810
- Perfluorocarbons (PFCs) ..... GWP: 7,390 – 12,200 (9,795 avg.)





## Inventory Boundaries and Definitions

Establishment of inventory boundaries and definitions is the first step in developing a GHG inventory program.

*Temporal boundary* – the time period over which emissions are evaluated. UNCP used the state fiscal year which begins July 1<sup>st</sup> and ends June 31<sup>st</sup>. Data is more readily available in this format.

*Organizational boundary* – extent of the reporting organization defined on the basis of *operational control*, which includes all sources which UNCP manages on a day-to-day basis, and for which future emission reduction actions can be taken. For the purposes of this inventory, UNCP included the following off-campus buildings under its operational control, in addition to the main campus:

- Business Incubator
- Carter Hall
- Lindsay Hall
- Office for Regional Initiatives (COMtech)

*Operational boundary* – the scopes of emission sources (direct and indirect) that will be included in the inventory:

Scope 1: Direct emissions (within the organizational boundary that are physically produced on campus) including stationary (*e.g.*, boilers, generators), mobile, process, and fugitive emission sources. This includes combustion of fossil fuels (*e.g.*, natural gas, diesel fuel, and propane) in UNCP-owned facilities or vehicles, fugitive emissions from refrigeration, and emissions from on-campus agriculture activities (*e.g.*, fertilizer use).

Scope 2: These emissions (purchased utilities required for campus operation) account for the emissions associated with the use of energy within UNCP (*i.e.*, within organizational boundaries) produced by another entity (*i.e.*, outside of organizational boundaries). These consist of purchased electricity, steam, heat, and chilled water, as appropriate. UNCP does not purchase steam, heat, or chilled water from another entity.

Scope 3: Other emissions attributed to UNCP (outside the organizational boundary) but that are either directly financed or otherwise associated to the campus via influence or encouragement. The ACUPCC requires emissions associated with air travel and commuting to be included in the inventory.

*De Minimis Emissions*- less than 5 percent of gross emissions and under ACUPCC guidelines are not required for reporting. Note, UNCP did report some technically de Minimis emissions, but they were able to be collected without undue hardship and offer value to the monitoring and emissions reduction planning process.

## GHG DATA COLLECTION AND ACCOUNTING METHODS

GHG data was collected, converted and calculated using the CA-CP Campus Carbon Calculator (v.7.0), which is the recommended carbon conversion tool by Second Nature and the ACUPCC Steering Committee for colleges and universities conducting GHG inventories as ACUPCC signatories and otherwise. Embedded formulas, assumptions and calculations within the CA-CP are available online at <http://sustainableunh.unh.edu/calculator>. Details will follow explaining this process and any assumptions that were made by source type, separated by scope and category.



## Budget Data

Operating, research and energy budget data for FY2013 (baseline) and FY2014 was provided by the Budget Office in the form of dollars. Kristy Nance and Lien Bailey supplied the data using the campus' financial accounting system (Oracle Banner). Results are as follows:

	<b>Operating</b>	<b>Research</b>	<b>Energy</b>
FY2013 (baseline)-	\$107,047,334.05	\$477,162.96	\$3,833,859.82
<i>*CA-CP Deflator (1.17)</i>	<i>\$91,409,928.92</i>	<i>\$107,459.30</i>	<i>\$3,273,812.06</i>
FY2014-	\$104,883,797.22	\$401,600.74	\$3,821,492.52
<i>*CA-CP Deflator (1.19)</i>	<i>\$87,958,696.82</i>	<i>\$336,794.42</i>	<i>\$3,204,818.20</i>

*\*NOTE: The CA-CP calculator automatically adjusts campus budgets for inflation as noted above in red.*

For a breakdown of the raw budget data, see Appendix A.

## Population Data

The numbers of full-time, part-time and summer school students, full-time and part-time faculty and staff were provided by the Institutional Research Office. The Office's Fact Books were used along with input from Ginger Brooks and Susan Evans for summer school attendee numbers and clarification. We also had to calculate full-time equivalent (FTE) to determine intensity levels of total emissions per FTE. To accomplish this, we used the Integrated Postsecondary Education Data System's glossary which is online at <https://nces.ed.gov/ipeds/glossary/>. Within the definition of FTE, the formula for how to determine FTEs which states that for determining FTE from part-time enrollment numbers, use the following multiplying factors, then add to the institution's full-time enrollment numbers for the total FTE. Multiplying factor for part-time undergraduate enrollment for public 4-year institutions is (.403543) and part-time graduate enrollment for public 4-year institutions the multiplying factor is (.361702). Results are as follows:

	<b>Full-time Students</b>	<b>Part-time Students</b>	<b>Summer School</b>	<b>Faculty</b>	<b>Staff</b>
FY2013 (baseline)-	4,602	1,667	4,413	535	392
FY2014-	4,485	1,737	4,230	541	376

For a breakdown of the raw population data, see Appendix B.

## Physical Size Data (Square Footage)

Total gross building space or gross square footage (GSF) and total research building space was provided by the Institutional Research Office with input from Jeannie Davis. Assistance also provided Facilities Management via Michael Clark, Frank Britt and Stephanie Hunt. Results are as follows:

	<b>Total Building Space (GSF)</b>	<b>Total Research Building Space (GSF)</b>
FY2013 (baseline)-	1,711,735	47,035
FY2014-	1,730,774	47,035

For a breakdown of the raw physical size or square footage data, see Appendix C.



## Scope 1 Methods

### Stationary Sources (building boilers and generators) – 13% (3<sup>rd</sup> largest source of emissions)

Natural gas, propane and fuel oil #2 consumption data for stationary combustion sources were obtained from the Energy Management Office from Stephanie Hunt and Terry Divine. Data was obtained from utility data records. Natural gas data are available in units of therms. Therms were converted to million British thermal units (MMBtu), as required by the CACP tool, by multiplying by 0.1 MMBtu/therm with the aid of Unit Juggler (online conversion tool available at <https://www.unitjuggler.com/index.html>). Liquid propane and fuel oil #2 data were reported in gallons. As reported in the utility data records, the results are as follows:

	Natural Gas (therms)	Propane (LPG; gallons)	#2 Fuel Oil (gallons)
FY2013 (baseline)-	526,940	21,770	3,000
FY2014-	516,750	23,721	2,493

For diesel-fired emergency generators, consumption data was included with diesel fleet equipment, which constituted a small amount of the total; see Mobile Sources section. This data was provided through the Motor Pool Management Office by Jerry Bennett.

For a breakdown of the raw natural gas and #2 fuel oil consumption data, see Appendix D.

### Mobile Sources (campus daily-use/fleet vehicles and equipment) – 1%

Gasoline and diesel fuel usage data were provided by the Motor Pool Office by Jerry Bennett. Data was a combination of gallons consumed (FY2013) and miles driven (FY2014, with their new tracking system). All data had to be converted to gallons for entering into the CA-CP which required some conversions on our end. Data for diesel consumption for both highway and non-highway use was provided with assistance from Oliver's Oil Company. For the provided data of miles driven for FY2014 by gasoline vehicles, we used the US DOE and US EPA's Fuel Economy Guide available online at <https://www.fueleconomy.gov/feg/pdfs/guides/FEG2015.pdf>. We determined an average mpg for campus fleet vehicles by taking the average from midsize cars (31.5 mpg), minivans (21.5 mpg) and standard pickups (19 mpg) for an overall average of 24 mpg. This was divided into the total number of miles driven for FY2014 which converted to 7,593 gallons. Results for both fuel types during both FYs are as follows:

	Gasoline (gallons)	Diesel (gallons)
FY2013 (baseline)-	8,370	4,115
FY2014-	7,593	4,991

For a breakdown of the raw mobile sources data, see Appendix E.

### Refrigerants and Chemicals (HVAC HFC-134a and HCFC-22) – 2%

Refrigerant usage data was provided by Facilities Operations and Residence Life by Mark Vesely and Nelson Locklear in the form of pounds purchased and costs. Results were as follows:

	HFC-134a (lbs.)	HCFC-22 (lbs.)
FY2013 (baseline)-	0	480
FY2014-	60	630

For a breakdown of the raw refrigerant data, see Appendix F.

*Plug-in electric vehicle charging station, Lot 17*



### Agriculture Sources (fertilizers) – less than 1%

Fertilizer usage data was provided by Facilities Operations by Larry Freeman in the form of pounds purchased and percentage of nitrogen. All fertilizer used during the reporting periods was synthetic. Results are as follows:

	<b>Synthetic (lbs.)</b>	<b>Percent Nitrogen</b>
FY2013 (baseline)-	34,000	24%
FY2014-	34,000	24%

For a breakdown of the raw fertilizer data, see Appendix G.

### Scope 2 Methods

#### Purchased Electricity – 52% (largest source of emissions)

Electricity consumption data was provided by the Energy Management Office by Stephanie Hunt and Terry Divine in the form of kilowatt hours (kWh) consumed, taken from utility data records. Results are as follows:

	<b>Electricity Consumed (kWh)</b>
FY2013 (baseline)-	24,537,812
FY2014-	23,941,113

For a breakdown of the raw utilities data, consolidated from monthly invoices and verified against building meters, see Appendix D.



*New solar smart table at the Bookstore*

### Scope 3 Methods

#### Commuting (Students, Staff and Faculty) – 26% (2<sup>nd</sup> largest source of emissions)

The data needed in order to calculate commuting emissions came from two primary sources. 1) April Britt with the Campus Police and Public Safety Office provided the numbers of parking permits issued (FY2013 = 3,104 and FY2014 = 3,082) and 2) a campus-wide survey was issued that gathered pertinent information about commuting habits, etc. The commuting survey was approved through the Institutional Review Board. The survey platform used was through the campus' electronic Qualtrics system. Susan Evans with the Institutional Research Office was instrumental during the survey development, execution and analysis phase. The survey was sent electronically out to all students and employees, totaling 7,147 people. 806 respondents completed the survey for a response rate of 11%. Two Starbucks \$25 gift cards were randomly awarded to respondents as motivation to take the survey.

Questions in the survey allowed determination of the following, with conversion details listed:

- A. Average number times travel to campus each week = 3.873826 (4 = 8 one-way trips/week)

- a. Resident students is 0 (as they live on campus and usually walk)
- b. Respondents listing “everyday” recorded as 5 days/week
- c. Respondents listing “daily” recorded as 5 days/week
- B. Average number of weeks travel to campus annually = 32.87137 (33)
  - a. Respondents listing “every week” recorded as 50 weeks/year (minus 2 weeks for holidays)
- C. Average number who drive alone = 69% (survey question #8)
- D. Average number who carpool = 14% (survey question #8 from remaining balance)
- E. Average number who walk = 14% (carbon-free mode; used 2-3 times/week and daily)
- F. Average number who bike = 3% (carbon-free mode; used 2-3 times/week and daily)
- G. Average number who ride motorcycle = 2% (rolled into drive alone)
- H. Average number of miles commuted one way to campus = 28.58758 (overall avg.)
  - a. Respondents listing less than 1 = 0.5 mile
  - b. Average for bike = 1 mile (carbon-free)
  - c. Average for walk = 1 mile (carbon-free)
  - d. Average for drive alone = 24.55 (25) miles
  - e. Average for carpool = 40.3 (40) miles
- I. Average number of miles per/gallon collected by type vehicle driven, but CA-CP formula used
- J. Number of PEVs = 7 (also needed for Workplace Charging Challenge Partner Plan)
- K. If PEV charging was readily available on campus, would that increase likelihood of purchasing a PEV?
  - a. Yes = 28%
  - b. No = 72%
- L. If mass transit or carpooling was available would you?
  - a. Yes = 67%
  - b. No = 33%
- M. If asked to define sustainability, would you feel confident you could do so accurately?
  - a. Yes = 63%
  - b. No = 37%
- N. Are you aware of the campus’ sustainability initiatives?
  - a. Yes = 51%
  - b. No = 49%



Results for total through the CA-CP are:

	<b>Carbon-free (miles)</b>	<b>Automobile (miles)</b>
FY2013 (baseline)-	178,353	16,101,581
FY2014-	177,089	15,987,459

For a breakdown of the raw commuting results data, see Appendix H. The full survey results via an Excel spreadsheet is available upon request, but was several pages in length and therefore summarized in this appendix.

**Air Travel (university financed) – 2%**

Air travel data was provided by the Controller’s Office by Kenny Spayd, Accounts Payable Office by Julian Johnson and the Travel Office by Beatrice Williams. Clarification was provided by Laura Dobson in the International Programs Office regarding study abroad travel. Going forward, data provided by the Controller’s Office taken from Oracle Banner will be sufficient as that data captured all air travel costs; Banner accounts: 22711 (air- in state), 22712 (air- out of state) and 22713 (air- out of country). These costs were broken down by domestic and international air travel. Each total was then divided by the passenger yield or revenue passenger mile (RPM), which is the average fare paid by customers to fly one mile. RPM data was provided online by the Airlines for America website available at <http://airlines.org/data/a4a-monthly-passenger-and-cargo-yield-fares-per-mile/>. RPM for domestic flights was 16.76¢ and 14.44¢ for international. Results of total combined air travel miles is as follows:

**Air Travel (miles)**

FY2013 (baseline)-	1,014,611
FY2014-	907,047

For a breakdown of the campus-funded air travel, see Appendix I.

**Ground Travel (university financed) – 1%**

Ground travel data was also provided by the Controller’s Office by Kenny Spayd, Accounts Payable Office by Julian Johnson and the Travel Office by Beatrice Williams. Also going forward, same as air travel, data provided by the Controller’s Office taken from Oracle Banner will be sufficient as that data captured all ground travel costs; Banner accounts: 22714 (ground- in state), 22715 (ground- out of state), 22716 (ground- out of country) and 22731 (non-employee and student transportation) which covered buses, primarily used by Athletics. Each total was then divided by an average per mile cost to determine total miles traveled. The average for ground travel, excluding the buses was determined from the average mileage reimbursement rate after splitting the difference between the high (57.5¢) and the low (30¢) taken from the campus’ travel rate reimbursement chart online; the middle average used was 43.75¢ per mile. For buses (account 22731) the current cost per mile rates was again averaged from the largest bus rate (56 passenger at \$2.06), 32 passenger bus at \$1.67 and the 22 passenger at \$1.21 for the averaged used at \$1.65 per mile. Results are as follows:

	<b>Bus (passenger miles)</b>	<b>Personal Mileage Reimbursement (miles)</b>
FY2013 (baseline)-	163,497	637,194
FY2014-	164,088	626,687

For a breakdown of the campus-funded ground travel, see Appendix I.



**Solid Waste – 0% (due to capture and conversion of methane into electricity by landfill operators)**

Solid waste data, regarding pounds sent to the landfill, was provided by Larry Freeman in Facilities Operations. The campus’ solid waste and recycling service provider, Waste Industries, was instrumental in capturing and providing this data. The data was provided in tons (short tons at 2,000 pounds each) which did not need to be converted prior to entering into the CA-CP. An interesting fact, the Sampson County Landfill, which is also managed by Waste Industries, recovers all methane and converts it into electricity. For this reason our solid waste tonnage does not increase our campus emissions, but instead creates a small credit. Results of solid waste tonnage sent to the landfill are as follows:

**Landfilled Solid Waste (short tons; 2,000 lbs.)**

FY2013 (baseline)-	1,250
FY2014-	993

For a breakdown of the solid waste data, see Appendix J.

**Paper Consumption – less than 1%**

This data was provided by the Purchasing Office by Kim Locklear. Office Depot was instrumental in accounting for this data and the associated details. The data was provided in the form of spread sheets derived from purchases made through SCIQEST. All quantities of each category were totaled and weights for each were summed. All products were calculated as uncoated freesheets. Results for each are listed in pounds, separated by amount of recycled content:

	<b>0% Recycled</b>	<b>25% Recycled</b>	<b>50% Recycled</b>	<b>75% Recycled</b>	<b>100% Recycled</b>
FY2013 (baseline)-	66,451	2,173	0	25	266
FY2014-	16,208	2,380	152	5	95

For a breakdown of the paper consumption data, see Appendix K.



## CONCLUSION

This FY2013 (baseline and FY2104 GHG inventory can be viewed electronically at the ACUPCC's Reporting System website at <http://rs.acupcc.org/search/?abs=&q=University%20of%20North%20Carolina%20at%20Pembroke>. It is also online at UNCP's Sustainability Office website at <http://www.uncp.edu/about-uncp/administration/departments/sustainability-office/operations/air-and-climate>.

The FY2013 (baseline) Comprehensive GHG Emissions Inventory for UNCP calculated and accounted for the campus' GHG emissions. Total gross emissions were 23,211 MTCO<sub>2</sub>E. FY2014 total gross emissions were almost 400 MTCO<sub>2</sub>E less than the previous year's baseline, at 22,853 MTCO<sub>2</sub>E. This shows the campus is beginning to trend in the right direction towards reducing GHG emissions. Future emissions reduction strategies should include efforts to reduce the top three emissions sources, which collectively comprise 91% of the campus' total emissions. The top three sources are purchased electricity (91%), commuting (26%) and stationary sources (13%). In comparison with the national average of peer Carnegie classified universities, UNCP's average gross emission intensity per 1,000 GSF was 13.6 (FY2013) and 13.2 (FY2014) which are both better than the national average of 14.6 MTCO<sub>2</sub>E per 1,000 GSF. UNCP's average gross emission intensity per FTE was slightly higher at 4.4 MTCO<sub>2</sub>E than the national average of 4.2 MTCO<sub>2</sub>E.

With this baseline measurement now established the campus' action plan to reduce emissions can begin development. The campus' Strategic Sustainability Plan will address changes needed to position UNCP as a regional leader in sustainability both operationally and academically. The CAP component to this plan will focus on which emissions reduction strategies shall be introduced in order to strive towards reaching the carbon neutrality goal by the year 2050.







## Appendix A Budget Data

### Jay Blausler

---

**From:** Kristy B. Nance  
**Sent:** Monday, April 13, 2015 2:19 PM  
**To:** Jay Blausler  
**Cc:** Justin L. Duncan; Lien M. Buchanan-Bailey  
**Subject:** RE: GHG Data (Budgets/Amounts)

2013

Operating \$107,047,334.05  
 Research \$477,162.96  
 Energy \$3,833,859.82

2014

Operating \$104,883,797.22  
 Research \$401,600.74  
 Energy \$3,821,492.52

Note- Data found in Note 12-Operating Expenses by Function in the Financial Statements. The Operating Budget excludes depreciation expense. Also, the Research and Energy Budgets are included in the Operating Budget.

---

**From:** Jay Blausler  
**Sent:** Thursday, April 09, 2015 10:10 AM  
**To:** Kristy B. Nance  
**Cc:** Justin L. Duncan  
**Subject:** GHG Data (Budgets/Amounts)

Kristy,

For FY2013 and FY2014 we need the following annual budgets/amount:

Endowment size: \$ \_\_\_\_\_

Operating Budget	Research Budget	Energy Budget
\$ (2005)	\$ (2005)	\$ (2005)
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -

2013

**NOTES TO THE FINANCIAL STATEMENTS (CONTINUED)**

**NOTE 12 - OPERATING EXPENSES BY FUNCTION**

The University's operating expenses by functional classification are presented as follows:

	Salaries and Benefits	Supplies and Materials	Services	Scholarships and Fellowships	Utilities	Depreciation	Total
Instruction Research	\$ 32,356,787.85	\$ 1,070,818.59	\$ 1,237,208.02	\$ 5,560.00	\$ 682.31	\$ 0.00	\$ 34,671,056.77
Public Service	332,085.57	49,009.01	96,068.38				477,162.96
Academic Support	1,225,457.31	58,280.79	440,029.09	600.00			1,724,367.19
Student Services	8,146,733.09	2,432,359.18	1,803,160.12	1,899.05			12,384,151.44
Institutional Support	3,831,738.64	1,385,477.20	1,779,205.52	250.00			6,996,691.36
Operations and Maintenance of Plant	8,318,080.94	446,542.95	1,960,414.97				10,725,038.86
Student Financial Aid	5,634,755.47	116,148.57	1,553,623.91	9,868,586.69	2,147,371.90		9,451,899.85
Auxiliary Enterprises	4,539,258.56	4,557,017.64	8,587.63		1,685,805.61		9,877,174.32
Depreciation			9,957,709.49			5,043,105.99	20,739,791.30
<b>Total Operating Expenses</b>	<b>\$ 64,384,917.43</b>	<b>\$ 10,115,653.93</b>	<b>\$ 18,836,007.13</b>	<b>\$ 9,876,895.74</b>	<b>\$ 3,833,859.82</b>	<b>\$ 5,043,105.99</b>	<b>\$ 112,990,446.04</b>

107,047,334.05

subtract per C. Spelman

**NOTE 13 - PENSION PLANS**

**A. Retirement Plans** - Each permanent full-time employee, as a condition of employment, is a member of either the Teachers' and State Employees' Retirement System or the Optional Retirement Program. Eligible employees can elect to participate in the Optional Retirement Program at the time of employment; otherwise they are automatically enrolled in the Teachers' and State Employees' Retirement System.

The Teachers' and State Employees' Retirement System (TSERS) is a cost-sharing multiple-employer defined benefit pension plan established by the State to provide pension benefits for employees of the State, its component units, and local boards of education. TSERS is administered by a 14-member Board of Trustees, with the State Treasurer serving as Chairman of the Board.

Benefit and contribution provisions for the TSERS are established by *North Carolina General Statutes* 135-5 and 135-8 and may be amended only by the North Carolina General Assembly Employer and member

2014

NOTES TO THE FINANCIAL STATEMENTS (CONTINUED)

NOTE 11 - REVENUES

A summary of eliminations and allowances by revenue classification is presented as follows:

	Gross Revenues	Internal Sales Eliminations	Less Scholarship Discounts	Less Allowance for Uncollectibles*	Net Revenues
<b>Operating Revenues:</b>					
Student Tuition and Fees	\$ 30,803,982.47	\$ 1,890.00	\$ 8,701,051.41	\$ 179,786.79	\$ 21,921,254.27
<b>Sales and Services:</b>					
Sales and Services of Auxiliary Enterprises:					
Residential Life	\$ 9,015,542.00	\$ 35,270.61	\$ 2,599,307.39		\$ 6,380,964.00
Dining	4,651,795.71	51,711.53	1,329,130.28		3,270,953.90
Student Union Services	29,178.93	5,547.00			23,631.93
Health, Physical Education, and Recreation Services	1,810,711.30		743,327.40		1,067,383.90
Bookstore	3,612,180.19	49,243.52	623,067.33		2,939,869.34
Parking	295,257.17			125,875.00	169,382.17
Athletic	295,254.26	7,472.40			287,781.86
Motor Pool	284,896.05	261,673.06			23,222.99
Laundry	14,362.47				14,362.47
Lyceum	142,894.43				142,894.43
Physical Plant	207,937.17	175,844.73			32,092.44
Printing	361,260.55	361,260.55			0.00
Vending	73,040.51				73,040.51
Sales and Services of Education and Related Activities	691,047.58	30,359.53			660,688.05
<b>Total Sales and Services</b>	<b>\$ 21,485,358.32</b>	<b>\$ 978,382.93</b>	<b>\$ 5,294,832.40</b>	<b>\$ 125,875.00</b>	<b>\$ 15,086,267.99</b>

\* The Allowance for Uncollectibles is equivalent to the change in the Allowance for Doubtful Accounts.

NOTE 12 - OPERATING EXPENSES BY FUNCTION

The University's operating expenses by functional classification are presented as follows:

	Salaries and Benefits	Supplies and Materials	Services	Scholarships and Fellowships	Utilities	Depreciation	Total
Instruction	\$ 32,471,584.31	\$ 653,202.54	\$ 1,357,925.05	\$ 2,782.00	\$ 4,018.20	\$ 0.00	\$ 34,489,512.10
Research	252,118.44	22,386.31	127,095.99				401,600.74
Public Service	1,151,722.02	56,257.79	355,676.18	19,408.00	356.37		1,583,420.36
Academic Support	7,696,938.68	1,739,176.09	2,024,813.06	2,241.08			11,463,168.91
Student Services	4,025,877.99	110,651.26	1,682,072.95	1,000.00			5,819,602.20
Institutional Support	8,555,957.94	444,790.29	1,965,816.98		744.56		10,967,309.77
Operations and Maintenance of Plant	5,459,052.49	1,280,002.27	1,115,368.46		2,036,256.55		9,890,679.77
Student Financial Aid	117,377.17		16,278.51	9,183,997.02			9,317,652.70
Auxiliary Enterprises	4,641,304.07	4,319,317.64	10,207,300.14	2,811.98	1,780,116.84		20,950,850.67
Depreciation						5,279,873.85	5,279,873.85
<b>Total Operating Expenses</b>	<b>\$ 64,371,933.11</b>	<b>\$ 8,625,784.19</b>	<b>\$ 18,852,347.32</b>	<b>\$ 9,212,240.08</b>	<b>\$ 3,821,492.52</b>	<b>\$ 5,279,873.85</b>	<b>\$ 110,163,671.07</b>

Subtract Per C. Spellman

\$104,883,797.22

**The University of North Carolina at Pembroke**  
**Statement of Net Position**  
**June 30, 2013**

**Exhibit A-1**  
**Page 1 of 2**

**ASSETS**

Current Assets:

Cash and Cash Equivalents	\$ 17,820,007.71
Restricted Cash and Cash Equivalents	4,097,600.56
Restricted Short-Term Investments	1,540,735.22
Receivables, Net (Note 4)	1,248,407.42
Inventories	1,499,780.70
Notes Receivable, Net (Note 4)	50,808.74
	<hr/>
Total Current Assets	26,257,340.35

Noncurrent Assets:

Restricted Cash and Cash Equivalents	1,219,427.21
Receivables, Net (Note 4)	167,028.19
Endowment Investments	18,185,552.63
Restricted Investments	3,531,660.52
Notes Receivable, Net (Note 4)	431,073.44
Capital Assets - Nondepreciable (Note 5)	5,075,120.54
Capital Assets - Depreciable, Net (Note 5)	166,047,816.61
	<hr/>
Total Noncurrent Assets	194,657,679.14
	<hr/>
Total Assets	220,915,019.49

**DEFERRED OUTFLOWS OF RESOURCES**

Accumulated Decrease in Fair Value of Hedging Derivatives	2,550,592.99
	<hr/>
Total Deferred Outflows of Resources	2,550,592.99

**LIABILITIES**

Current Liabilities:

Accounts Payable and Accrued Liabilities (Note 6)	2,370,378.34
Due to Primary Government	6,822.03
Deposits Payable	2,309.00
Unearned Revenue	848,593.32
Interest Payable	1,015,462.77
Long-Term Liabilities - Current Portion (Note 8)	2,243,278.00
	<hr/>
Total Current Liabilities	6,486,843.46

Noncurrent Liabilities:

Deposits Payable	335,896.56
Funds Held for Others	349,873.33
U. S. Government Grants Refundable	842,203.25
Hedging Derivative Liability	2,550,592.99
Long-Term Liabilities (Note 8)	64,637,194.95
	<hr/>
Total Noncurrent Liabilities	68,715,761.08
	<hr/>
Total Liabilities	75,202,604.54

**The University of North Carolina at Pembroke**  
**Statement of Net Position**  
**June 30, 2014**

**Exhibit A-1**  
**Page 1 of 2**

**ASSETS**

Current Assets:

Cash and Cash Equivalents	\$ 16,109,928.21
Restricted Cash and Cash Equivalents	2,528,686.50
Restricted Short-Term Investments	1,830,881.68
Due from State of North Carolina Component Units	24,925.00
Receivables, Net (Note 4)	1,280,966.42
Inventories	1,412,099.30
Notes Receivable, Net (Note 4)	81,766.39
	<hr/>
Total Current Assets	23,269,253.50

Noncurrent Assets:

Restricted Cash and Cash Equivalents	4,562,971.21
Receivables, Net (Note 4)	189,035.48
Endowment Investments	21,153,758.05
Restricted Investments	2,944,956.84
Cash Surrender of Life Insurance Policies	54,227.01
Notes Receivable, Net (Note 4)	365,487.96
Capital Assets - Nondepreciable (Note 5)	4,692,461.25
Capital Assets - Depreciable, Net (Note 5)	164,842,122.00
	<hr/>
Total Noncurrent Assets	198,805,019.80
	<hr/>
Total Assets	222,074,273.30

**DEFERRED OUTFLOWS OF RESOURCES**

Accumulated Decrease in Fair Value of Hedging Derivatives	2,101,545.44
	<hr/>
Total Deferred Outflows of Resources	2,101,545.44

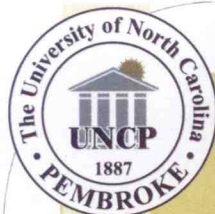
**LIABILITIES**

Current Liabilities:

Accounts Payable and Accrued Liabilities (Note 6)	1,974,920.06
Due to Primary Government	6,846.87
Unearned Revenue	322,297.25
Interest Payable	876,153.84
Long-Term Liabilities - Current Portion (Note 8)	2,513,263.73
	<hr/>
Total Current Liabilities	5,693,481.75

Noncurrent Liabilities:

Deposits Payable	334,262.56
Funds Held for Others	477,907.35
U. S. Government Grants Refundable	766,586.11
Hedging Derivative Liability	2,101,545.44
Long-Term Liabilities (Note 8)	62,539,500.12
	<hr/>
Total Noncurrent Liabilities	66,219,801.58
	<hr/>
Total Liabilities	71,913,283.33



Where Learning Gets Personal

# Fall 2012 Quick Facts

The University of North Carolina at Pembroke

## Total Student Headcount

6269

Men	2340
Women	3929
First-time Freshmen	1020
New Transfers	490
Undergraduates	5504
Graduate Students	765
Full-time	4602
Part-time	1667
In-state	6044
Out-of-state	225

African-American	2000
American Indian/Alaskan Native	1017
Asian	95
Hispanic	250
White	2550
Native Hawaiian/ Pacific Islander	7
Two or more races	129
Race/Ethnicity Unknown	221

Financial Aid for First-time, Full-time Undergraduates (2010-2011)	
Percent receiving Pell grants	58%
Percent receiving any grant aid	78%
Percent receiving federal loans	72%
Percent receiving any financial aid	88%
Average loan indebtedness	\$19,892

EPA employees	535
Faculty	401
Full-time faculty	325
Tenured	135
Tenure track, not yet tenured	99
SPA employees	392
Total employees	927

2012 Tuition & Fees	
In-state undergraduate	\$4,857
Out-of-state undergraduate	\$14,064
In-state graduate student	\$4,956
Out-of-state graduate student	\$14,283

Student/faculty ratio	15:1
*Average class size	21
States represented in student body	25 + DC
Countries represented	19

**Office of Institutional Effectiveness**  
[ie@uncp.edu](mailto:ie@uncp.edu)

\*Average class size includes class schedule codes LEC, SEM, LAB, and ACT. Courses with these codes with no classroom assignment were also removed.

# UNIVERSITY of NORTH CAROLINA PEMBROKE

Office of Institutional Effectiveness

## FALL 2013 QUICK FACTS

Total Student Headcount: 6,222

Headcount			Enrollment by Ethnicity		
Men	2,296	36.90	African-American	2,072	33.30
Women	3,926	63.10	American Indian/Alaskan Native	963	15.48
First-Time Freshmen	1,050	16.88	Asian	96	1.54
New Transfer	496	7.97	Hispanic	256	4.11
Undergraduates	5,429	87.25	White	2,514	40.41
Graduate	793	12.75	Native Hawaiian/Pacific Islander	7	0.11
Full-time	4,485	72.08	Two or more races	129	2.07
Part-time	1,737	27.92	Race/Ethnicity Unknown	185	2.97
In-State	5,999	96.42			
Out-of-State	223	3.58	Total	6,222	100.00

Financial Aid for First-time, Full-time Undergraduates (2012-2013)		EPA Employees	
Receiving Pell Grants	59%	541	59.00
Receiving any Grant Aid	74%	Faculty	402 43.84
Receiving Federal Loans	73%	Full-time Faculty	318 34.68
Receiving any Financial Aid	89%	Tenured	140 15.27
		Tenure Track	83 9.05
		SPA Employees	376 41.00
		Total Employees	917

2013 Tuition and Fees		Student/Faculty Ratio	
In-State Undergraduate	\$5,144	15:1	
Out-of-State Undergraduate	\$14,352	Average Class Size*	20
In-State Graduate	\$5,243	States Represented in Student Body	24+DC
Out-of-State Graduate	\$14,570	Countries Represented	19

[ie@uncp.edu](mailto:ie@uncp.edu)  
Return to Fact Book

\* Average class size includes class schedule codes LEC, SEM, LAB, and ACT. Courses with so classroom assignment were also removed.



## Jay Blausler

---

**From:** Susan Y. Evans  
**Sent:** Thursday, April 16, 2015 11:54 AM  
**To:** Jay Blausler  
**Subject:** FW: Data Request Complete  
**Attachments:** JBlauslerCountSummer2013&2014.xls

Jay,

I didn't even think about it earlier, but the data sent to you yesterday was Production data pulled from Banner. The following data is census or frozen data, and may be valuable to you too.

### *Census Data for Summer 2013 and 2014*

<i>Summer Terms</i>	<i>Student Count</i>
Summer I 2013	2442
Summer II 2013	1972
Total Summer 2013	4414
Summer I 2014	2293
Summer II 2014	1937
Total Summer 2014	4230
Total Summer 2013 and Summer 2014	8644

Thanks,  
Susan

---

**From:** Susan Y. Evans  
**Sent:** Wednesday, April 15, 2015 10:29 AM  
**To:** Jay Blausler  
**Cc:** Ginger Brooks  
**Subject:** Data Request Complete

Jay,  
Data Attached.

Have a good day,  
Susan

Appendix C  
Physical Size Data (Square Footage)

**ALL CAMPUS FACILITIES**

Updated : 4/22/2014

<b>Building Name</b>	<b>Commission Date</b>	<b>Total Sq Ft</b>
Auxiliary Services	1/1/2005	43,997
Baseball Field House	before FY2014	864
BC Field House	1/1/2006	26,223
Belk Hall	1/1/1970	39,571
BioTech	1/7/2009	4,023
Business Admin Building	1/1/1967	35,839
Business Incubator (downtown)	10/3/2013	16,408
Carter Hall	1/1/2008	11,161
Chancellor's Guest House	1/1/1967	719
Chancellor's Residence	1/1/1952	5,460
Courtyard Building 1	7/1/2012	26,298
Courtyard Building 2	7/1/2012	26,298
Courtyard Building 3	7/1/2012	15,636
Courtyard Building 4	7/1/2012	15,636
Courtyard Building 5	7/1/2012	15,636
Courtyard Building 6	7/1/2012	15,636
Courtyard Leasing Office	7/1/2012	4,245
Courtyard Maintenance Building	7/1/2012	609
<i>Courtyard Total = 119,994 Total Square feet</i>	7/1/2012	0
Cypress Hall	8/15/2011	142,000
DF Lowry	1/1/1988	20,803
Dial Building	1/1/1980	30,652
Dogwood Office	1/1/1970	2,484
Ebert Guesthouse	1/7/2009	880
Ebert House	1/7/2009	1,723
Education Building	1/1/1976	33,500
Ernest Lowry	1/6/2012	2,631
GPAC	1/1/1973	38,973
Grace P. Johnson Football Pressbox	1/1/2007	3,216
Health Sciences Building	7/1/2012	87,593
Hickory Hall	1/1/1965	3,482
Jacobs Hall	1/1/1961	24,584
Jones Building	1/1/1972	120,950

Lindsey Hall	Leased	9,976
Livermore Library	1/1/1967	51,832
Locklear Hall	1/1/1950	12,616
Lumbee Hall	1/1/1995	49,166
Magnolia House	1/7/2009	1,863
Moore Hall	1/1/1951	23,729
Music Annex	1/1/1964	2,720
North Hall	1/1/1972	39,571
Oak Hall	1/1/2006	89,878
Old Main	1/1/1922	39,216
Oxendine Science Bldg	1/1/1967	92,812
Pinchbeck Building A	4/9/2004	14,628
Pinchbeck Building B	4/9/2004	10,360
Pinchbeck Building C	4/9/2004	12,793
Pinchbeck Building D	4/9/2004	25,777
Pinchbeck Building E	4/9/2004	342
<i>Pinchbeck Maintenance Complex Total = 63,900</i>	4/9/2004	0
Pine Cottage	4/22/2014	2,631
Pine Hall	1/1/2000	82,880
Regional Center	1/1/2004	11,655
Sampson Building	1/1/2005	34,904
Student Health	1/1/1967	5,532
UC Annex	1/1/2007	66,500
University Center	1/1/1987	66,068
<i>Village Apts. // Total = 105,631</i>	1/1/2003	0
Village Apts. Bldg 100	1/1/2003	20,622
Village Apts. Bldg 200	1/1/2003	20,622
Village Apts. Bldg 300	1/1/2003	20,622
Village Apts. Bldg 400	1/1/2003	20,622
Village Apts. Bldg 500	1/1/2003	20,622
Village Apts. Commons	1/1/2003	2,521
Wellons Hall	1/1/1965	18,560
West Hall	1/1/1966	39,724
West Office	1/7/2009	1,680
	<b>Total Sq ft</b>	<b>1,730,774</b>

University of NC at Pembroke Facilities and Utilization Report

Building Utilization by Type of Usage, 2014

	Type of Usage						
	Total	Classrooms	Laboratories	Library Space	Office Space	Residential	Other
	NSF	NSF	NSF	NSF	NSF	NSF	NSF
001 --- OLD MAIN	24,224	3,331	240	204	5,793	-	14,656
002 --- MOORE HALL	13,687	1,664	3,351	689	3,866	-	4,117
003 --- MUSIC ANNEX	2,033	1,422	434	-	-	-	177
005 --- LOCKLEAR	11,644	857	4,679	-	1,567	-	4,541
006 --- LIVERMORE LIBRARY	37,430	-	-	34,276	2,191	-	963
007 --- OXENDINE SCIENCE BLD	49,112	11,317	17,049	-	11,060	-	9,686
008 --- HICKORY HALL	2,311	-	-	-	1,410	-	901
009 --- CHANCELLORS RES	6,237	-	-	-	-	-	6,237
010 --- GUEST HOUSE	541	-	-	-	-	541	-
011 --- WEST HALL	28,648	-	-	-	-	23,454	5,194
017 --- D F LOWRY	10,401	1,148	490	-	5,977	-	2,786
018 --- WELLONS HALL	14,667	-	-	-	415	12,516	1,736
019 --- JACOBS HALL	14,234	-	-	-	9,312	-	4,922
022 --- STUDENT HEALTH SVCS	3,403	-	-	-	182	-	3,221
024 --- BUSINESS ADMIN	21,649	10,105	1,054	-	6,573	-	3,917
025 --- BELK HALL	28,124	-	-	1,180	93	25,316	1,535
026 --- NORTH HALL	25,468	-	-	1,165	111	20,339	3,853
027 --- ENGLISH E. JONES BLD	86,708	5,305	649	-	7,916	-	72,838
028 --- GIVENS PERF ARTS CTR	24,975	1,094	-	-	806	-	23,075
029 --- EDUCATION BUILDING	22,505	9,406	1,784	-	9,311	-	2,004
031 --- DIAL HUMANITIES	20,906	9,870	1,436	775	5,800	-	3,025
034 --- JAMES CHAVIS CENTER	40,648	-	-	716	3,510	-	36,422
043 --- LUMBEE HALL	27,473	-	-	-	17,857	-	9,616
045 --- PINE HALL	45,970	-	-	1,550	268	38,314	5,838
046 --- WEST OFFICE BLDG	1,317	-	-	-	816	-	501
050 --- PINCBECK MAINT.	52,134	-	-	-	4,232	-	47,902
051 --- REGIONAL CENTER	7,502	-	-	-	2,183	-	5,319
051A --- BIOTECH ADDITION	1,982	-	606	-	-	-	1,376
052 --- UNIV. VILLAGE 1	15,108	-	-	-	-	13,849	1,259
053 --- UNIV. VILLAGE II	15,108	-	-	-	-	13,849	1,259
054 --- UNIV. VILLAGE III	15,108	-	-	-	-	13,849	1,259
055 --- UNIV VILLAGE IV	15,108	-	-	-	-	13,849	1,259
056 --- UNIV. VILLAGE V	15,108	-	-	-	-	13,849	1,259

057 --- UNIV VILLAGE COMMONS	4,500	-	-	-	-	-	4,500
058 --- SRMC	970	430	-	-	540	-	-
059 --- INTERNATIONAL HOUSE	1,514	-	-	-	873	-	641
059A --- INTERNATIONAL APT	468	-	-	-	-	468	-
063 --- AUXILARY SERVICES	29,411	-	-	-	3,349	-	26,062
064 --- SAMPSON CLASSROOM	20,145	12,694	957	120	4,222	-	2,152
066 --- CANTON FIELD HOUSE	17,128	975	-	-	1,989	-	14,164
067 --- OAK RESIDENCE HALL	71,500	-	-	-	-	71,500	-
068 --- MAGNOLIA HOUSE	775	-	-	-	775	-	0
069 --- CHAVIS ANNEX	9,636	-	-	-	1,483	-	8,153
071 --- CARTER HALL	6,585	-	-	-	4,601	-	1,984
072 --- FOOTBALL PRESSBOX	1,010	-	-	-	-	-	1,010
073 --- DOGWOOD OFFICE BLDG	1,573	-	-	-	1,090	-	483
074 --- CYPRESS HALL	104,357	-	-	-	-	104,357	-
075 --- LINDSEY HALL	5,891	-	-	-	4,911	-	980
076 --- HEALTH SCIENCES	50,878	13,500	14,306	-	9,445	-	13,627
<b>Total</b>	<b>1,027,814</b>	<b>83,118</b>	<b>47,035</b>	<b>40,675</b>	<b>134,527</b>	<b>366,050</b>	<b>356,409</b>

Appendix D  
Utilities Consumption Data

**Justin L. Duncan**

**From:** Jay Blauser  
**Sent:** Thursday, February 05, 2015 3:55 PM  
**To:** Stephanie N. Hunt  
**Cc:** Justin L. Duncan  
**Subject:** RE: Utility Information for Greenhouse Gas Inventory

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

*On Worksheet enter  
MMBtu (1 million BTU)  
on line @ unit  
juggler.com*

Thanks!

Saved on k-drive...

-JB

**From:** Stephanie N. Hunt  
**Sent:** Thursday, February 05, 2015 3:28 PM  
**To:** Jay Blauser  
**Cc:** Terry W. Divine  
**Subject:** Utility Information for Greenhouse Gas Inventory

Below you will find the utility information you are requiring to find the campus Greenhouse Gas Inventory.

	Electric kWh	Natural Gas Therms	Water Gallons	Propane Gallons	#2 Fuel Oil Gallons	HDD	CDD
FYE '13	24,537,812	526,940	43,162,340	21,770	3,000	2845.5	1898.5
FYE '14	23,941,113	516,750	41,462,702	23,721	2,493	2991.5	1983.5

*Heating degree  
Cooling degree*

If you need anything else please let me know.

**Stephanie Hunt**

Administrative Support Associate, Facilities Operations Energy Management  
 University of North Carolina at Pembroke  
 P.O. Box 1510  
 Pembroke, N.C. 28372  
 (910) 775-4261  
 (910) 521-6554 Fax  
<mailto:stephanien.hunt@uncp.edu>

*526,940 Therms = 52,694 MMBtu  
516,750 Therms = 51,675 MMBtu*

Convert therms to million btu

# Unit Juggler

Convert everything with ease

Search All dimensions Basic dimensions Other dimensions Geometry Cooking Mobility Real estate

## Information

Category : **energy**  
 Standard unit *energy*: **kilojoule**  
 Source unit: **therm (thm)**  
 Destination unit: **million btu (MMBtu)**  
 Related category: **Power**

In physics, energy is a scalar physical quantity that describes the amount of work that can be performed by a force, an attribute of objects and systems that is subject to a conservation law. Different forms of energy include kinetic, potential, thermal, gravitational sound, light, elastic, and electromagnetic energy. The forms of energy are often named after a related force. (Wikipedia)  
 Energy units are often used in relation to environmental protection, energy reserves and geopolitics.

## Converter

You are currently converting energy units from therm to million btu  
**516750 thm = 51675 MMBtu**

therm million btu 
 thm


51675 MMBtu

Conversion base : 1 thm = 0.1 MMBtu

Conversion base : 1 MMBtu = 10 thm

## Permalink

Link to this page :

Link to this page with the current value :

greek alphabet

Please counter-check the results. Despite thorough controls by our means, rounding errors and other errors are possible. Use at your own risk.

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UNC-PEMBROKE 2013 & 2014 TOTAL GALLONS DIESEL DELIVERED

JULY 1, 2013-JUNE 30, 2014

TYPE	DATE	PRODUCT	GALLONS	AMOUNT
IN	3/12/2014	Diesel Off-Road	1000	\$ 3,383.70
IN	3/12/2014	Diesel On-Road	1000	\$ 3,378.70
IN	1/30/2014	Diesel Off-Road	1000	\$ 3,193.70
IN	11/26/2013	Diesel Off-Road	1493	\$ 4,671.33
IN	10/30/2013	Diesel On-Road	498	\$ 1,546.18
TOTAL			4991	
TOTAL HWY			1498	
TOTAL NON-HWY			3493	

JULY 1, 2012-JUNE 30, 2013

TYPE	DATE	PRODUCT	GALLONS	AMOUNT
IN	3/26/2013	Diesel Off-Road	1000	\$ 3,238.50
IN	2/6/2013	Diesel Off-Road	1000	\$ 3,399.50
IN	11/15/2012	Diesel Off-Road	1000	\$ 3,286.60
IN	11/6/2012	Diesel Off-Road	1115	\$ 3,700.80
			4115	
TOTAL HWY			0	
TOTAL NON-HWY			4115	



*Gas in gallons*

**UNIVERSITY OWNED VEHICLES**

*FY 2013*

**GAS CONSUMPTION FOR YEAR 2012 TO 2013**

VEHICLE #	DEPARTMENT	GAS CARD #	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1	FO 120	Larry	0.0	6.0	19.5	25.5	0.0	0.0	22.1	0.0	0.0	23.8	0.0	0.0	96.9
2	FO 129	Mark	15.0	13.8	25.5	0.0	15.0	0.0	12.9	0.0	0.0	29.8	15.0	13.4	140.4
3	FO 124	Taylor	0.0	35.9	17.8	16.4	17.7	0.0	30.7	17.2	19.0	17.9	18.7	0.0	191.3
4	FO 115	Motorpool	25.7	18.5	29.5	34.2	19.9	14.0	23.2	13.3	25.8	13.1	23.1	22.2	262.5
5	FO 119	Fac. Op. Shuttle Bus	46.4	26.8	13.4	16.1	40.1	17.0	9.7	40.4	6.3	8.1	0.0	47.5	271.8
6	FO 112	Paint Dept.	18.1	18.0	37.0	19.0	0.0	18.0	18.0	17.4	35.2	0.0	19.0	36.5	236.2
7	FO 128	HSK Van	0.0	30.0	23.5	24.3	0.0	21.4	23.5	42.4	0.0	62.3	44.6	21.1	293.1
8	FO 132	HSK Box Truck	0.0	29.6	0.0	33.0	33.5	17.1	28.0	21.8	0.0	0.0	0.0	32.4	195.4
9	FO 127	Locksmith Dept.	28.8	28.4	28.6	28.8	25.4	0.0	56.4	28.5	28.9	28.9	28.6	28.9	340.2
10	FO 126	Electrical Dept.	29.5	0.0	25.0	29.6	29.5	0.0	27.2	29.5	28.0	29.5	0.0	29.0	256.8
11	FO 108	Electrical Dept.	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0	23.5	0.0	0.0	53.5
12	FO 122	Grounds Dept.	52.0	34.0	0.0	33.0	22.3	32.0	61.2	52.0	30.6	59.3	68.6	31.5	476.5
13	FO 113	Carpentry Dept.	29.2	28.5	43.1	31.5	24.2	27.2	27.9	27.8	21.2	47.0	27.8	9.3	344.7
14	FO 111	HVAC Dept.	0.0	0.0	17.3	16.0	32.1	20.4	35.0	46.9	54.2	24.3	17.5	11.9	275.6
15	FO 103	Grounds Dept.	0.0	0.0	0.0	0.0	0.0	0.0	22.7	0.0	0.0	0.0	0.0	0.0	22.7
16	FO 135	Fac. Op. Van	0.0	0.0	31.3	15.5	43.0	0.0	0.0	68.3	45.3	61.2	0.0	0.0	264.6
17	FO 136	Fac. Op. Van	0.0	0.0	36.8	29.1	35.0	32.9	0.0	69.2	34.2	72.4	16.0	0.0	325.6
18	FO 101	Grounds Dept.	0.0	0.0	0.0	0.0	0.0	0.0	21.8	0.0	0.0	0.0	0.0	0.0	21.8
19	FM 100	Facilities Management	14.0	19.1	17.7	0.0	17.1	17.0	0.0	17.0	25.5	0.0	12.1	18.3	157.8
20	FO 125	Setups Dept.	19.6	36.0	35.5	19.0	19.0	19.0	19.0	36.0	37.0	36.0	37.3	19.0	332.4
21	BD 102	Biology Dept.	0.0	21.0	20.5	65.1	49.0	0.0	0.0	32.1	21.3	30.0	0.0	0.0	239.0
22	FPC 101	Planning & Construction	12.1	27.1	13.0	14.1	14.0	13.7	13.2	13.4	14.0	13.4	26.9	10.1	185.0
23	FPC 102	Planning & Construction	13.8	14.6	0.0	13.4	13.7	0.0	13.7	13.7	0.0	14.1	0.0	14.1	111.1
24	FO 142	Motorpool (Chevy Van)	0.0	8.0	33.6	99.5	104.9	46.7	27.2	60.3	75.8	29.1	69.8	2.5	557.4
25	SH 101	Student Health	0.0	16.1	17.5	0.0	0.0	0.0	21.0	0.0	0.0	13.0	0.0	0.0	67.6
26	UC 102	Univ. Center Shuttle Bus	15.1	12.8	68.5	152.0	94.2	69.7	77.3	100.9	88.7	114.1	28.3	0.0	821.6
27	BS 101	Business Services Van	25.4	25.0	24.5	50.5	24.5	25.1	21.6	25.1	25.1	24.0	56.8	25.0	352.6
28	UC 101	Univ. Center Van	19.7	18.0	39.8	15.3	17.3	0.0	24.7	37.2	21.0	16.0	0.0	0.0	209.0
29	IP 101	International Pro. Van	0.0	0.0	16.2	16.2	0.0	21.1	17.0	0.0	0.0	11.2	0.0	24.7	106.4
30	MC 101	Mass Communication	0.0	0.0	0.0	29.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.5
31	HS 101	Student Housing Truck	32.0	42.0	10.0	12.0	10.0	20.0	10.0	30.7	0.0	12.0	24.0	35.9	238.6
32	UC 103	Univ. Center Van	14.2	47.5	69.8	59.9	63.0	35.5	21.0	85.9	64.6	53.2	32.8	21.2	568.6
33	HS 102	Student Housing Truck	51.5	18.0	32.0	16.5	32.9	0.0	33.3	28.8	31.0	15.0	48.0	17.0	324.0

TOTAL FOR MONTHS: 462.1 574.7 746.9 915.0 797.3 467.8 749.3 955.8 732.7 882.2 614.9 471.5 8370.2

GAS CONSUMPTION FOR YEAR 2012 TO 2013

GAS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	
100	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
200	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
300	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
400	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
500	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
600	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
700	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
800	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
900	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

23.09/201

**UNCP Facilities Operations**  
**Motor Fleet Mileage**  
**FY 2013 / 2014**

Vehicle #	230017	55213	180681	220032	220487	180683	240327	35093	35094	35095	180768	180957	210067	210069	200068	200006	Totals
Department	MP Fusion	MP Mini Van	MP Crn Vic	MP Dod Car	MP Mailbu	MP Crn Vic	Admis Dod Car	Admis Mini Van	Admis Mini Van	Admis Mini Van	MP Crn Vic	ROTC Durango	Police Impala	Police Impala	Police Impala	Police Impala	Totals
Month	2656	478	365	638	1593	2	810	0	257	4	224	934	979	543	723	10206	
July	318	601	954	539	591	0	9	3	0	0	1448	1502	911	924	1797	9597	
August	3281	967	1001	1771	1181	359	2797	3806	2014	0	1229	1278	1109	920	1010	22723	
September	1652	1262	301	991	1813	1604	2566	2811	1696	1041	651	1215	1276	1088	1689	21656	
October	1083	1115	436	1893	1272	1432	408	4081	1069	1028	952	1474	321	856	889	18309	
November	946	2631	312	1937	1448	1410	900	710	1698	1321	300	766	596	737	377	16089	
December	947	409	401	1260	1582	354	59	0	63	452	993	1039	1317	819	1340	11035	
January	1349	681	518	899	1601	1326	46	0	269	577	554	1292	1292	688	1092	12184	
February	3337	1792	1807	1807	1666	1470	350	1793	1005	823	544	1341	1114	822	1849	19713	
March	1369	1073	2093	2093	1031	1916	641	161	1308	1424	512	1695	937	991	2279	17430	
April	1136	561	2196	2196	1247	559	41	152	103	1054	800	979	1142	520	827	11536	
May	227	1042	1106	1106	3538	1022	252	246	N/A	913	174	653	713	315	961	11761	
June	18301	12612	4288	17130	18563	11454	818	8879	13763	9482	8637	8381	14168	11707	14833	182239	
Yearly Total	1525	1051	536	1428	1547	955	409	740	1147	862	720	698	976	769	1236	15187	
Monthly Avg																	

Vehicle not on Campus  
 Arrives 05/28/14

Turned in to  
 Motor Fleet  
 02/07/2014

**Color Legend**

- Cumulative / Total miles for each vehicle
- Cumulative / Average miles for each vehicle
- Vehicles that did not meet the 1050 miles monthly minimum
- Monthly total miles travel for all vehicles
- Vehicles that did not meet the 3150 miles quarterly minimum

**Side Notes**

T = Vehicle has been totaled  
 S = Vehicle was in the shop during the month and may not have gotten necessary miles

180683 & 180768 were returned to Fac Ops at the end of August. They are used as a daily lease.  
 09/01/2013

*Guos*

*-Mileage of all UNCP vehicles (not equip)*

**UNCP Facilities Operations  
Motor Fleet Mileage  
FY 2012 / 2013**

Vehicle #	15134	230017	15138	180768	180681	220032	220487	180683	34161	35093	35094	35095	35096	55213	180957	210067	210069	200068	200006	Totals
Department	MP	MP	MP	Admis Crn Vic	MP	MP	MP	Admis Crn Vic	MP	Admis Mini Van	Admis Mini Van	Admis Mini Van	MP Mini Van	MP Mini Van	ROTC Durango	Police Impala	Police Impala	Police Impala	Police Impala	
Month	MP Crm Vic	MP Fusion	MP Crm Vic	MP Crm Vic	MP Crm Vic	MP Dod Car	MP Malibu	MP Crn Vic	MP Stratus	Admis Mini Van	Admis Mini Van	Admis Mini Van	MP Mini Van	MP Mini Van	MP Mini Van	Police Impala	Police Impala	Police Impala	Police Impala	Totals
July	0		0	1356	724		15138	1438	596	0	510	545	1023	313	1367	1135	797	629	10433	
August	0		0	1278	1562	218	Replace 15138	1052	756	0	192	927	1024	1050	1631	1141	679	962	12472	
September	1425		571	2174	2397	2398	Replace 15138	2221	1561	2391	2150	1938	1436	1050	1344	1235	916	733	25940	
October	3361		107	2303	1494	2533	332	2221	2086	2840	2486	3475	1985	1637	2024	1525	798	665	31872	
November	559		3197	1285	2007	2007	1227	1786	1500	1500	738	2083	1273	1051	1291	1183	1389	947	21516	
December	3339		474	1476	1634	1634	784	98	0	396	207	379	154	565	1122	995	732	584	12785	
January	178		0	1663	1463	1463	403	615	0	0	0	0	0	1050	1675	1063	1185	922	10371	
February	2153		1094	2133	2100	2435	2435	1612	335	335	595	884	1524	239	1495	1177	935	1228	19939	
March	0		2170	1184	4354	2234	2234	221	697	3	0	0	1202	903	1760	1411	1274	1187	18600	
April	263		2098	3067	2084	2135	2135	0	515	542	1051	1051	1517	1057	1082	1001	910	608	17930	
May			5	668	1559	1374	1374	16	22	0	789	789	1319	1074	973	868	1281	795	10972	
June			0	423	1247	1137	1137	245	10	0	0	335	439	80	178	915	1114	737	7953	
Yearly Total	11278	1322	678	16149	18076	21597	12061	11525	4999	8310	7612	12234	7274	6001	15942	13649	12010	9997	200783	
Monthly Avg	1127.8	661	169.5	1345.8	1506.3	1963.36	1340.11	960.42	1249.8	692.5	634.33	1019.5	1039.1	1200.2	839.08	1328.5	1137.4	1000.8	833.08	16732

Vehicle #	15138	180768	180681	220032	220487	180683	34161	35093	35094	35095	35096	55213	180957	200167	210069	200068	200006	Totals
QT 1 Total	1425	4808	4683	2616	New	4711	2913	2391	2852	3410	3483	2413	4342	3511	2392	2324	48845	
QT 2 Total	7259	5974	4255	6174	2343	4105	2086	4340	3620	5765	3637	New	3253	4437	3703	2919	2196	66173
QT 3 Total	2331	3264	4980	7917	5072	2448	1032	598	884	884	2726	2192	4930	3651	3394	3337	48910	
QT 4 Total	263	2103	4158	4890	4646	261	547	542	2175	2175	3275	2211	2233	2784	3305	2140	36855	

**Side Notes**

T = Vehicle has been totaled  
S = Vehicle was in the shop during the month and may not have gotten necessary miles

*Gas*

**Color Legend**

Cumulative / Total miles for each vehicle  
Cumulative / Average miles for each vehicle  
Vehicles that did not meet the 1050 miles monthly minimum  
Monthly total miles travel for all vehicles  
Vehicles that did not meet the 3150 miles quarterly minimum

Model Year 2015

# Fuel Economy Guide



[www.fueleconomy.gov](http://www.fueleconomy.gov)



U.S. Department of Energy  
Office of Energy Efficiency and Renewable Energy  
U.S. Environmental Protection Agency  
UPDATED: April 07, 2015



95% of U.S. gasoline contains up to 10% ethanol to boost octane, meet air quality requirements, or satisfy the federal Renewable Fuel Standard. Vehicles will typically go 3%–4% fewer miles on E10 compared to 100% gasoline because ethanol contains less energy than gasoline.

E85 is a high-level ethanol-gasoline blend containing 51%–83% ethanol, depending on the season and geographic location. Drivers can use E85 in flexible fuel vehicles (FFVs), which are specially designed to run on gasoline, E85, or any mixture of the two. FFVs are offered by several vehicle manufacturers. To determine whether your vehicle is an FFV, check the inside of your car's fuel filler door for an identification sticker or consult your owner's manual. More than 2,300 filling stations in the United States currently sell E85. Visit [afdc.energy.gov/locator/stations](http://afdc.energy.gov/locator/stations) to find stations near you.

FFVs typically experience a 15%–30% drop in fuel economy when operating on E85 instead of regular gasoline due

to ethanol's lower energy content and other factors, assuming gasoline typically contains about 10% ethanol. However, drivers should notice no degradation in performance.

### Biodiesel

Biodiesel is a domestically produced renewable fuel manufactured from vegetable oils or animal fats for use in diesel vehicles. Using biodiesel in place of petroleum diesel can reduce GHG emissions and contributes to national energy security.

Biodiesel can be blended with petroleum diesel at any percentage. The most common biodiesel blend is B20, which contains 20% biodiesel and 80% petroleum diesel. B5 (5% biodiesel and 95% petroleum diesel) is another common blend. All vehicle manufacturers have approved biodiesel blends up to and including B5 for use in all diesel engines, and some have approved the use of blends up to B20 in a few recent model year vehicles. Keep in mind that using higher-level biodiesel blends may affect

your vehicle warranty. Check your owner's manual or with your vehicle manufacturer to determine the right blend for your vehicle.

**Purchase commercial-grade biodiesel from a reputable dealer. Never refuel with recycled grease or vegetable oil that has not been converted to biodiesel. It will damage your engine.**

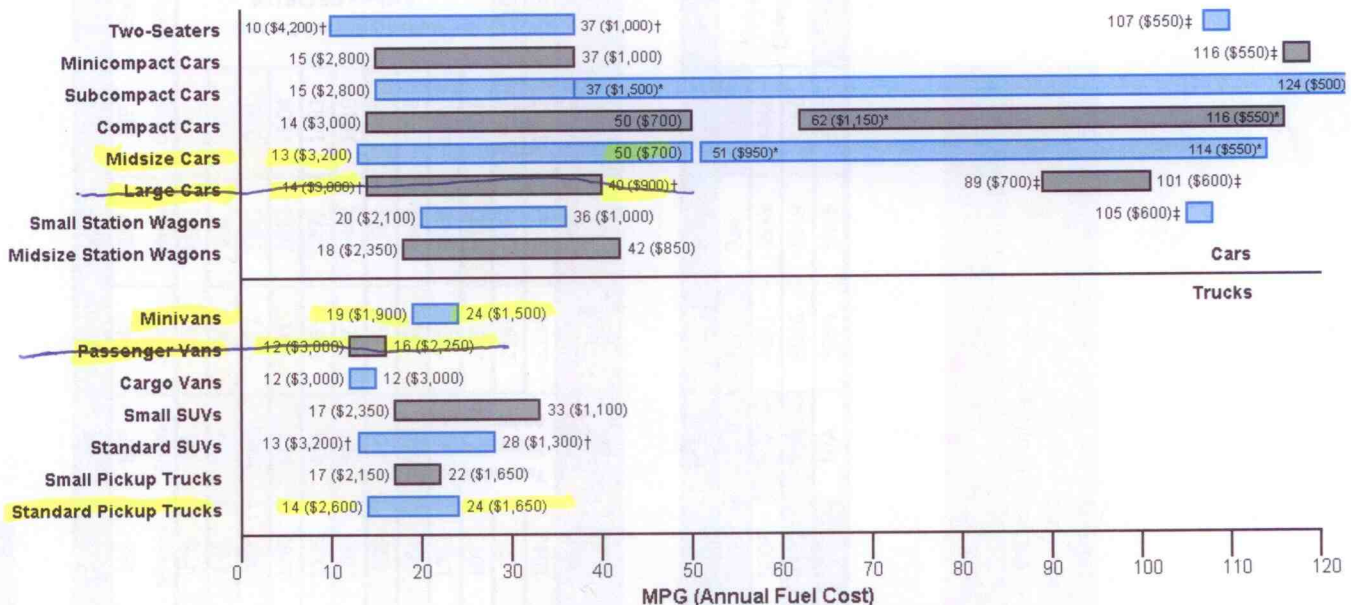
Almost 300 stations currently dispense B20. Visit [afdc.energy.gov/locator/stations](http://afdc.energy.gov/locator/stations) to find service stations selling biodiesel near you.

### Premium- vs Regular-Grade Gasoline

Regular unleaded is the recommended gasoline for most cars. Using a higher-octane gasoline than recommended by the owner's manual does not improve performance or fuel efficiency; it only costs more money. Check your owner's manual to determine the lowest grade of fuel you can use.

## FUEL ECONOMY AND ANNUAL FUEL COST RANGES FOR VEHICLE CLASSES

The graph below provides the fuel economy and annual fuel cost ranges for the vehicles in each class so you can see where a given vehicle's fuel economy and cost fall within its class. The graph uses combined city and highway MPG estimates, which assumes you will drive 55% in the city and 45% on the highway. Annual fuel costs assume that you travel 15,000 miles each year and that fuel costs \$2.41/gallon for regular unleaded gasoline, \$2.79/gallon for premium, \$2.78/gallon for diesel, and \$.12/kWh for electricity. Visit [www.fueleconomy.gov](http://www.fueleconomy.gov) to calculate the annual fuel cost for a specific vehicle based on your own driving conditions and fuel prices.



Fuel economy estimates on this chart do not include vehicles operating on compressed natural gas (CNG), hydrogen, or E85.

\* This range represents electric vehicles and/or plug-in hybrids. Fuel economy values for these vehicles are in miles per gallon gasoline equivalent (MPGe).

† Plug-in hybrids are included in this range.

‡ This range represents electric vehicles. Fuel economy values are in miles per gallon gasoline equivalent (MPGe).

1- midsize cars 31.5 FY 2014

2- minivans 21.5

3- Standard plc 19

---

72

fleet  
vehicles  
mileage

24/gal avg.

$$182,239 / 24 = 7,593.29 \text{ gal}$$

Appendix F  
Refrigerants Data

# Freon Purchases :

CC Dickson

*180 lbs (R-22)*

Date:	Item	Qty	Price	Total
10/30/2013	R-22 30 Lb. jug	1	\$ 305.00	\$ 305.00
4/11/2013	R-22 30 Lb. jug	5	\$ 399.00	\$ 1,995.00
Total 2013		6	\$ 704.00	\$ 2,300.00

Date:	Item	Qty	Price	Total
2/18/2014	R-22 30 lb jug	5	\$ 282.05	\$ 1,410.25
3/21/2014	R-134 30 Lb jug	1	\$ 145.00	\$ 145.00
4/16/2014	R-134 30 Lb jug	1	\$ 145.00	\$ 145.00
8/7/2014	R-22 30 lb jug	2	\$ 225.00	\$ 450.00
Total 2014		9	\$ 797.05	\$ 2,150.25

*R-22 = 210  
R-134 = 60*

Date:	Item	Qty	Price	Total
1/12/2015	R-22 30 Lb Jug	4	\$ 323.00	\$ 1,292.00
2/6/2015	R-22 30 Lb Jug	2	\$ 323.00	\$ 646.00
2/17/2015	R410A 25Lb	1	\$ 83.33	\$ 83.33
3/11/2015	R-22 30 Lb Jug	1	\$ 323.00	\$ 323.00
3/11/2015	R410A 25Lb	4	\$ 83.33	\$ 333.32
Total 2015		12	\$1,135.66	\$ 2,677.65

<b>2013</b>	<b>R-22 30Lb</b>	6	\$ 2,300.00
<b>2014</b>	<b>R-22 30Lb</b>	7	\$ 1,860.25
<b>2015</b>	<b>R-22 30Lb</b>	7	\$ 2,261.00
<b>3 year Total</b>			<b>\$ 6,421.25</b>
<b>2014</b>	<b>R-134 30 Lb</b>	2	<b>\$ 290.00</b>
<b>2015</b>	<b>R-410 25Lb</b>	5	<b>\$ 416.65</b>



# Housing Refrigerant

Date:	Item	Qty	Price	Total	
5/3/2012	R-22 Freon	4	\$ 286.86	\$ 1,147.44	McCall's
8/27/2012	R-22 Freon	4	\$ 310.00	\$ 1,240.00	McCall's
12/10/2012	R-22 Freon	4	\$ 310.00	\$ 1,240.00	McCall's
<b>2012 Total</b>		<b>12</b>		<b>\$ 2,387.44</b>	

Date:	Item	Qty	Price	Total	
5/16/2013	R-22 30 lb	5	\$ 399.00	\$ 1,995.00	McCall's
7/11/2013	R-22 30 lb	5	\$ 399.99	\$ 1,999.95	McCall's
<b>2013 Total</b>		<b>10</b>		<b>\$ 3,994.95</b>	

Date:	Item	Qty	Price	Total	
5/8/2014	30R22 30lb	5	\$ 245.00	\$ 1,225.00	CC Dickson
8/4/2014	R-22 30 lb	4	\$ 225.00	\$ 900.00	CC Dickson
8/22/2014	R-22 30 lb	1	\$ 880.00	\$ 880.00	CC Dickson
9/19/2014	R-22 30 lb	4	\$ 245.00	\$ 980.00	CC Dickson
<b>2014 Total</b>		<b>14</b>		<b>\$ 3,985.00</b>	

Date:	Item	Qty	Price	Total	
3/16/2015	R-22 30 Lb	6	\$ 290.00	\$ 1,740.00	CC Dickson
			\$	-	
			\$	-	
			\$	-	
<b>2015 Total</b>				<b>\$ 1,740.00</b>	

Date:	Item	Qty	Total
<b>2012</b>	R-22	12	\$ 2,387.44
<b>2013</b>	R-22	10	\$ 3,994.95
<b>2014</b>	R-22	14	\$ 3,985.00
<b>2015</b>	R-22	6	\$ 1,740.00
<b>TOTAL</b>		<b>42</b>	<b>\$ 12,107.39</b>

R-22

300  
+ 180  
480

R-22

420  
+ 210  
630 + 60(R-134)

Appendix G  
Fertilizer Data

Jay Blausler

---

**From:** Larry D. Freeman  
**Sent:** Friday, April 10, 2015 10:27 AM  
**To:** Jay Blausler  
**Cc:** Justin L. Duncan  
**Subject:** RE: Carbon Footprint Emissions Data

Jay  
Grounds reports they average 17 tons per year, Nitrogen content is 24%  
Synthetic @ 24-4-12  
Larry

---

**From:** Larry D. Freeman  
**Sent:** Thursday, April 09, 2015 2:51 PM  
**To:** Jay Blausler  
**Cc:** Justin L. Duncan  
**Subject:** RE: Carbon Footprint Emissions Data

Checking on the fertilizer via grounds  
Will let you know

---

**From:** Jay Blausler  
**Sent:** Thursday, April 09, 2015 9:32 AM  
**To:** Larry D. Freeman  
**Cc:** Justin L. Duncan  
**Subject:** Carbon Footprint Emissions Data

Larry,  
Could you give us solid waste and recycling data for FY2013 (July 1 , 2012 – June 30, 2013), like same as attached? Secondly, could we get fertilizer amounts used for both FY2013 and FY2014 needed to fill in the spreadsheet below?

1. Recycling and Solid Waste Data
2. Fertilizer

Fertilizer Application			
Synthetic	% Nitrogen	Organic	% Nitrogen
Pounds	%	Pounds	%

Thanks,

Appendix H  
Commuting Data

**Jay Blausner**

---

**From:** April R. Britt  
**Sent:** Thursday, October 09, 2014 3:43 PM  
**To:** Jay Blausner  
**Subject:** RE: Carbon Footprints- Commuting Portion by All Employees and Students

06/01/2012-06/01/2013 3,104 Permits were sold.

---

**From:** Jay Blausner  
**Sent:** Thursday, October 09, 2014 2:08 PM  
**To:** April R. Britt  
**Subject:** RE: Carbon Footprints- Commuting Portion by All Employees and Students

---

**From:** Jay Blausner  
**Sent:** Tuesday, October 07, 2014 10:55 AM  
**To:** April R. Britt  
**Subject:** RE: Carbon Footprints- Commuting Portion by All Employees and Students

April,

Thank you.

Could I also get FY2013? --JB

---

**From:** April R. Britt  
**Sent:** Tuesday, October 07, 2014 10:34 AM  
**To:** Jay Blausner  
**Subject:** RE: Carbon Footprints- Commuting Portion by All Employees and Students

06/01/2013-06/01/2014 3,082 permits were sold.

---

**From:** Jay Blausner  
**Sent:** Tuesday, October 07, 2014 10:10 AM  
**To:** April R. Britt  
**Subject:** RE: Carbon Footprints- Commuting Portion by All Employees and Students

April,

Thank you.

Do you have any questions about the original request?

--JB

---

**From:** April R. Britt  
**Sent:** Tuesday, October 07, 2014 9:30 AM  
**To:** Jay Blausner  
**Subject:** RE: Carbon Footprints- Commuting Portion by All Employees and Students

Column

Commuting and Related Sustainability Data for FY2013 Greenhouse Gas Inventory

(K)

Q1 UNCP students and employees: your help is needed to help calculate UNCP's carbon footprint--how all 7,300+ of us get to and from campus. Also want to determine the demand for plug-in electric vehicle charging stations. Please take a few moments to complete this commuting habits survey; estimated time to complete this survey is three minutes. NOTE: two lucky respondents will be randomly chosen to receive a free \$25 gift card for Starbucks, compliments of Sodexo and Starbucks. For more information about this survey, or any of UNCP's other sustainability efforts, please contact the UNCP Sustainability Office at www.uncp.edu/sustainability or 910.521.6509.

(L)

Avg

3.873826 Q2 On average, how many times do you travel to campus each week? - Daily (all) = 5

- For resident students = (0)  
- Everyday (student & emp) = (5)

(M)

32.87137 Q3 On average, how many weeks per year do you travel to campus? Every week = 50

(N)

Q4 Is driving to campus by yourself (without any other passengers) a typical means of commuting to campus for you?

635  Yes (1)

204  No (2)

(O)

Q5 What type of fuel does your automobile use?

770  Gasoline (1)

10  Diesel (2)

26  Hybrid (Non-Plug-in Type) (3)

2  Hybrid (Plug-in Electric Vehicle) (4)

Other (Explain) (5) \_\_\_\_\_

Bike = 4

(P)(Q)

Q6 Would you use alternative modes of transportation to campus such as carpooling, ride-sharing, bus, shuttle or other mass transit options, if made available?

560  Yes (1)

275  No (2)

(R)

Q7 Is carpooling a means of commuting to campus for you?

211  Yes (1)

616  No (2)

827

32.87137 weeks/year  
3.873826 days/week

127.3379678 days

# of Parking Permits

FY2013 = 3,104

FY2014 = 3,082

717,424,926.7 gals  
712,340,085 gals

Miles one-way

28,58758 x 2 = 57,17516 miles  
57,17516 x 127.3379678 days = 7,280,568683 miles/year  
7,280,568683 / 31.5 = 231,1291645 gals  
231,1291645 x 3,104 = 717,424,926.7 gals  
231,1291645 x 3,082 = 712,340,085 gals

one-way avg.  
24.55 mi — Drive Alone  
69%

(S)

Q8 Give the amount of time that you drive alone to campus.

708

- 391
- 181
- 59
- 25
- 16
- 36
- 112

- Daily (1)
- 2-3 Times a Week (2)
- Once a Week (3)
- 2-3 Times a Month (4)
- Once a Month (5)
- Less than Once a Month (6)
- Never (7)

$572 = 69\%$   
 $708 \text{ out of } 827 = 86\%$

Carpool  
112 out of 827 = 14%  
40.3 mi

Carpool 14%  
Bike 3%

Walk 16%  
14%  

---

100%

(T)

Answer If Is driving to campus by yourself (without any other passengers) a typical means of commuting to campus for you? No Is Selected

Q9 Average number of persons ride-sharing in your vehicle, including yourself.

- 67  1 (1)
- 72  2 (2)
- 26  3 (3)
- 12  4 (4)
- 4  5 (5)

EPA fuel economy classes  
Averages MPG

Avg, one-way  
1.25 mi

(U)

Q10 What type best describes the vehicle driven?

- 23% - 183  Compact/Economy (ex. Nissan Versa) (1) ~~compact~~ compact 32 mi
- 35% - 285  Standard (ex. Chevrolet Malibu) (2) ~~compact midsize~~ compact midsize 31.5
- 10% - 79  Full-size (ex. Chevrolet Impala) (3) large 27
- 5% - 39  Sports Car (ex. Ford Mustang) (4) ~~midsize sm. station wagon~~ sm. station wagon 24
- 3% - 24  Minivan (5) minivan 21.5
- .1% - 4  Full-size Van (6) passenger 12.5
- 15% - 118  Sport Utility Vehicle (7) small 23
- 6% - 46  Pick-up Truck (8) small 20
- 3% - 24  Hybrid (Non-Plug-in Type) (9)
- .1% - 2  Hybrid (Plug-in Electric Vehicle) (10) subcompact (elec) 92.5

804 (V)

Q11 Is a motorcycle a means of commuting to campus for you?

- 32  Yes (1)
- 781  No (2)

813 If No Is Selected, Then Skip To Is a bicycle a means of commuting to ...

(W)

Q12 Give the amount of time that you drive a motorcycle to campus.

- 17  Never (1)
- 4  Less than Once a Month (2)
- 2  Once a Month (3)
- 6  2-3 Times a Month (4)
- 2  Once a Week (5)
- 0  2-3 Times a Week (6)
- 1  Daily (7)

15 out of 813 = 2%

(X)

Q13 Is a bicycle a means of commuting to campus for you?

67  Yes (1)

734  No (2)

801 If No Is Selected, Then Skip To Is a walking a means of commuting to ...

(Y)

Q14 Give the amount of time that you drive a bicycle to campus.

36  Never (1)

7  Less than Once a Month (2)

6  Once a Month (3)

1  2-3 Times a Month (4)

4  Once a Week (5)

13  2-3 Times a Week (6)

14  Daily (7)

45 out of 801 = 6%

27 = 3%

45 (2)

Q15 Is a walking a means of commuting to campus for you?

1800  Yes (1)

627  No (2)

807 If No Is Selected, Then Skip To Are there any other means of commutin...

(AA)

Q16 Give the amount of time that you walk to campus.

24  Never (1)

7  Less than Once a Month (2)

4  Once a Month (3)

12  2-3 Times a Month (4)

7  Once a Week (5)

20  2-3 Times a Week (6)

112  Daily (7)

162 out of 807 = 20%

= 132 = 16% 14%

162 (AB)

Q17 Are there any other means of commuting typically used by you, not previously listed? If so, please explain.

(AC)

28,58758 Q18 What is the amount of miles commuted one way to campus?

(AD)

Q19 Do you currently own a plug-in electric vehicle (PEV)?

7  Yes (1)

797  No (2)

(AE)

Q20 If plug-in electric vehicle (PEV) charging stations were available on campus, would that increase the likelihood of your decision to purchase and drive a PEV to campus?

224  Yes (1)

576  No (2)

- Less than 1 = 0.5  
one way avg.  
Bike = ~~1.2~~ mi  
1.45 mi

(AF)

Q21 If you were asked to explain or define sustainability, would you feel confident you could do so accurately?

503  Yes (1) 804 total 63% Yes

301  No (2)

(AG)

Q24 Are you aware of the campus' sustainability initiatives?

408  Yes (1) 801 total 51% Yes

393  No (2)

Q22 What is your UNCP email address, needed to notify you if you are randomly selected to receive a free \$25 Starbucks gift card for taking this survey?

Q23 Thank you for your participation in this campus survey. Feel free to add any comments below.

Q4 Is driving to campus by yourself (without any other passengers) a typical means of commuting to campus for you?

628  Yes (1)

204  No (2)

Q5 What type of fuel does your automobile use?

278  Gasoline (1)

10  Diesel (2)

26  Hybrid (Non-Plug-in Type) (3)

2  Hybrid (Plug-in Electric Vehicle) (4)

0  Other (Explain) (5)

Q6 Would you use alternative modes of transportation to campus such as carpooling, ride-sharing, bus, shuttle or other mass transit options, if made available?

270  Yes (1)

275  No (2)

Q7 Is carpooling a means of commuting to campus for you?

217  Yes (1)

616  No (2)

# of Parking Minutes

Ag 2013 = 3,104

Ag 2014 = 2,032





**Jay Blausler**

*Airlines for America*

**From:** Kenneth R. Spayd  
**Sent:** Tuesday, February 17, 2015 1:49 PM  
**To:** Jay Blausler  
**Subject:** RE: Voice Mail from Jay Blausler (Travel Info for Sustainability Project)

*RPM Revenue Passenger-Mile*

Are you just looking for summary info? If so this is 2013's:

Account	Account Description	Amount
22711	TR - Air-In State Transp	-
22712	TR - Air-Out of State Transp	109,189.62
22713	TR - Air-Out of Country Transp	52,434.70
22714	TR - Ground-In State Transp	206,278.97
22715	TR - Ground-Out of State Transp	65,055.08
22716	TR - Ground-Out of Country Transp	7,438.00
22717	TR - Other In State Transp	480.00
22721	TR - Lodging-In State	66,141.49
22722	TR - Lodging-Out of State	193,240.12
22723	TR - Lodging-Out of Country	17,348.13
22724	TR - Meals-In State	20,780.00
22725	TR - Meals-Out of State	46,676.40
22726	TR - Meals-Out of Country	10,005.40
22727	TR - Other Travel Exp-In State	2,364.91
22728	TR - Other Travel Exp-Out of State	7,032.62
22729	TR - Other Travel Exp-Out of Cntry	72,821.20
22731	TR - NonEmp and Stu Transportation	269,769.52
22732	TR - NonEmp and Stu - All Other	587,287.30
22741	TR - Registration Fees-In State	59,223.97
22742	TR - Registration Fees-Out of State	143,044.85
22743	TR - Registration Fees-Out of Cntry	4,562.54

*Domestic 16.76*  
*16.76¢/mile = 65,1489.38 miles*  
*1676*  
*Int. 14.44 = 363,121.19 miles*  
*1014610.5*  
*278,772.05*  
*637,194.29 mi*  
*57.5 ¢/mile*  
*30 ¢/mile (> 100 miles)*  
*43.75¢ Avg.*

*Tips, baggage fee, parking*

*Buses for athletics*  
*Lodging, etc.*

*ACEEE (Transp.)*  
*202-507-4013*

Let me know.

Kenny Spayd  
 Controller  
 University of North Carolina at Pembroke  
 Lumbee Hall, Room 312  
 (910) 521-6689

*163,496.68 mi*

*Buses per mile*  
*Charge*  
*\$ 2.06 (56 pax)*  
*1.67 (32 pax)*  
*1.42 (22 pax)*  


---

*Avg. \$ 1.65/mile*

**From:** Jay Blausler  
**Sent:** Tuesday, February 17, 2015 1:45 PM  
**To:** Kenneth R. Spayd  
**Subject:** FW: Voice Mail from Jay Blausler (Travel Info for Sustainability Project)

FYI.

22711 TR - Air-In State Transp	
22712 TR - Air-Out of State Transp	
22713 TR - Air-Out of Country Transp	
22714 TR - Ground-In State Transp	198,191.39
22715 TR - Ground-Out of State Transp	72,758.84
22716 TR - Ground-Out of Country Transp	3,225.27
22717 TR - Other-In State Transp	142.32
22721 TR - Lodging-In State	72,595.78
22722 TR - Lodging-Out of State	207,811.66
22723 TR - Lodging-Out of Country	9,360.59
22724 TR - Meals-In State	21,762.62
22725 TR - Meals-Out of State	50,365.63
22726 TR - Meals-Out of Country	5,054.35
22727 TR - Other Travel Exp-In State	2,795.21
22728 TR - Other Travel Exp-Out of State	7,770.33
22729 TR - Other Travel Exp-Out of Cntry	12,545.77
22731 TR - NonEmp and Stu Transportation Bus \$	270,745.58
22732 TR - NonEmp and Stu - All Other	498,955.95
22741 TR - Registration Fees-In State	69,014.14
22742 TR - Registration Fees-Out of State	159,971.60
22743 TR - Registration Fees-Out of Cntry	7,880.50

RPM

16.76 = 67,060.56 miles  
 14.44 = 235,986.43 miles

112,469.75

34,076.44

274,175.50

626,686.86 mi  
 (= .43754) avg.

907,046.99 mi

Bus \$

270,745.58

164,088.23 mi

(= 1.65) avg.

2014

## A4A Monthly Passenger and Cargo Yield (Fares per Mile)

Passenger “yield” is a commonly used metric representing the average fare paid by customers to fly one mile (revenue passenger mile or RPM). It is a key indicator of the price of air travel and is a weighted average expressed in cents. Likewise, cargo “yield” represents the average price paid by customers to transport one ton (2,000 pounds) of freight and mail one mile (cargo revenue ton mile or cargo RTM).

The following tables are the most current and real-time source of actual prices paid by customers. The results are expressed in nominal terms, are net of taxes and fees (which can be a [substantial portion of an airline ticket](#)) and remain unadjusted for trip length.

A4A Monthly Passenger Yield*	Domestic		International		System
	(¢/RPM)	YOY	(¢/RPM)	YOY	(¢/RPM)
February 2015	16.89	-0.8%	13.98	-2.2%	16.04
YTD February 2015	16.76	-0.1%	14.44	-2.9%	16.05

\* Passenger yield information reflects the latest results for the following A4A members: Alaska, American, Delta, JetBlue, Southwest, United, US Airways and their respective regional airline partners. To subscribe to the A4A Monthly Passenger Yield Report (Excel file delivered via e-mail), which includes monthly history beginning in January 2000 and offers greater detail by region (e.g., Domestic/Express, Atlantic, Latin, Pacific), please click [A4A Publications](#). Results for a given month are typically available around the twenty-first day following the end of that month and are subject to restatement.

For annual passenger yield, fare and fee data for the complete industry, visit [Annual Round-Trip Fares and Fees: Domestic](#) or [International](#) as desired.

A4A Monthly Passenger Airline Cargo Yield**	Domestic		International	
	(¢/RTM)	YOY	(¢/RTM)	YOY
February 2015	71.1	-1.2%	33.6	-1.4%
YTD February 2015	74.1	4.7%	33.3	-7.9%

\*\* Cargo yield information reflects the latest results for the following A4A members: Alaska, American, Delta,

Southwest, United, US Airways. To subscribe to the A4A Monthly Cargo Yield Report (Excel file delivered via e-mail), which includes monthly history beginning in January 2009 and offers greater detail by region (e.g., Domestic, Atlantic, Latin, Pacific), please click [A4A Publications](#).

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**227XX: Travel Expenses**

- 22711 **In-State Transportation (Air):** This subsidiary object includes costs of proceeding from one place to another place via air transportation while in travel status. The trip's destination is located within the boundaries of the State of North Carolina.
- 22712 **Out-of-State Transportation (Air):** This subsidiary object includes costs of proceeding from one place to another place via air transportation while in travel status. The destination of the trip is located outside the boundaries of the State of North Carolina.
- 22713 **Out-of-Country Transportation (Air):** This subsidiary object includes costs of proceeding from one place to another place via air transportation while in travel status. The trip's destination is located outside the boundaries of the United States.
- 22714 **In-State Transportation (Ground):** This subsidiary object includes costs of proceeding from one place to another place via ground transportation while in travel status. The trip's destination is located within the boundaries of the State of North Carolina. Transportation expenses include automobile allowances, train, bus, taxicab, limousine, subway, streetcar fares, rental car and motor pool charges, and parking and toll fees. Taxicab gratuities are included.
- 22715 **Out-of-State Transportation (Ground):** This subsidiary object includes costs of proceeding from one place to another place via ground transportation while in travel status. The trip's destination is located outside the boundaries of the State of North Carolina. Transportation expenses include automobile allowances, train, bus, taxicab, limousine, subway, streetcar fares, rental car and motor pool charges, and parking and toll fees. Taxicab gratuities are included.
- 22716 **Out-of-Country Transportation (Ground):** This subsidiary object includes costs of proceeding from one place to another place via ground transportation while in travel status. The trip's destination is located outside the boundaries of the United States. Transportation expenses include automobile allowances, train, bus, taxicab, limousine, subway, streetcar fares, rental car and motor pool charges, and parking and toll fees. Taxicab gratuities are included.
- 22717 **In-State Transportation (Water):** This subsidiary object includes costs of proceeding from one place to another place via water transportation while in travel status. The trip's destination is located within the boundaries of the State of North Carolina.
- 22718 **Out-of-State Transportation (Water):** This subsidiary object includes costs of proceeding from one place to another place via water transportation while in travel status. The trip's destination is located outside the boundaries of the State of North Carolina.
- 22719 **Out-of-Country Transportation (Water):** This subsidiary object includes costs of proceeding from one place to another place via water transportation while in travel status. The trip's destination is located outside the boundaries of the United States.
- 22721 **In-State Lodging:** This subsidiary object includes costs of obtaining shelter while in travel status. The destination of the trip is located within the boundaries of the State of North Carolina.
- 22722 **Out-of-State Lodging:** This subsidiary object includes costs of obtaining shelter while in travel status. The destination of the trip is located outside the boundaries of the State of North Carolina.
- 22723 **Out-of-Country Lodging:** This subsidiary object includes costs of obtaining shelter while in travel status. The trip's destination is located outside the boundaries of the United States.
- 22724 **In-State Meals:** This subsidiary object includes costs of obtaining food while in travel status. The destination of the trip is located within the boundaries of the State of North Carolina. Meal expenses include gratuities on food purchases.
- 22725 **Out-of-State Meals:** This subsidiary object includes costs of obtaining food while in travel status. The destination of the trip is located outside the boundaries of the State of North Carolina. Meal expenses include gratuities on food purchases.
- 22726 **Out-of-Country Meals:** This subsidiary object includes costs of obtaining food while in travel status. The destination of the trip is located outside the boundaries of the United States. Meal expenses include gratuities on food purchases.
- 22727 **In-State Other Expenses:** This subsidiary object includes costs incurred while in travel status for services and goods other than for transportation and subsistence. The destination of the trip is located within the boundaries of the State of North Carolina. Other travel expenses may include telephone charges, supplies, baggage handling gratuities, and other appropriate items.
- 22728 **Out-of-State Other Expenses:** This subsidiary object includes costs incurred while in travel status for services and goods other than for transportation and subsistence. The destination of the trip is located outside the boundaries of the State of North Carolina. Other travel expenses may include telephone charges, supplies, baggage handling gratuities, and other appropriate items.
- 22729 **Out-of-Country Other Expenses:** This subsidiary object includes costs incurred while in travel status for services and goods other than for transportation and subsistence. The trip's destination is located outside the boundaries of the United States. Other travel expenses may include telephone charges, supplies, baggage handling gratuities, and other appropriate items.
- 22731 **Student and Non-Employee Transportation:** This subsidiary object includes costs of proceeding from one place to another place while in travel status. Transportation expenses include automobile allowances, airplane, boat, train, taxicab, bus, limousine, subway, and streetcar fares, rental car and motor pool charges, and parking and toll fees
- 22732 **Student and Non-Employee Other Expenses:** This subsidiary object includes costs incurred while in travel status. Subsistence expenses include costs of lodging, meals, gratuities, registrations, telephone charges, and other appropriate items.

*Athletics*  
*Bus*

Appendix J  
Solid Waste Data

Jay Blauser

**From:** Larry D. Freeman  
**Sent:** Friday, October 24, 2014 8:35 AM  
**To:** Jay Blauser  
**Subject:** RE: FY2014 Recycling

2013 / 2014 WASTE  
REPORTING  
WASTE INDUSTRIES  
Jul-14

FISCAL YEAR 2014	TONS
Total - Recycle	81
Total Yard Waste	63
Total Cardboard	25
Campus Total Recycled	169
Total Trash Dorm's / Campus	880
Total Trash Cafeteria	113
Campus Total Trash	993

FY2013  
Trash to Land fill (Solid waste) 1,250 tons

Mark and Denise should have additional data on this such as:

Mark: Batteries, Motor Oil, Pallets etc.

Denise: Electronics, Shredded Paper etc.

Thanks

Larry

-----Original Message-----

From: Jay Blauser

Sent: Thursday, October 23, 2014 8:42 PM

To: Larry D. Freeman

Subject: FY2014 Recycling

Larry,

Do we have the recycling amounts for FY2014? I need to put into the campus sustainability report.

Thanks,

Jay

Sent from my iPhone

## Appendix K Paper Consumption Data

Account: 34338711 - UNC PEMBROKE SCIQUEST  
From 07-01-2012 to 06-30-2013

PRODUCT CODE	PRODUCT DESCRIPTION	WHOLESALE PROD CODE	UM	Weight per U/M	Recycled Content	QUANTITY	Total Weight
160678	PAPER,8 1/2X11,110#,250CT,ASTD	48990	PK	6.23	0%	1	6.23
170719	PAPER,ASTRONEON,LTR,24#,HAPPY	21289	RM	6.05	0%	4	24.20
240556	90# WHITE INDEX	40311	PK	5.41	30%	6	32.46
255815	PAPER,ASTRO,LTR,COSMIC ORANGE	21658	RM	6.23	0%	1	6.23
272261	PAPER,LTR,24#,OPAQUE,YELLOW	62331	RM	6.01	30%	1	6.01
310152	PAPER,ASTROBRIGHT,24#,LTR,ASTD	20274	RM	5.95	0%	2	11.90
345637	PAPER,COPIER,20#,LTR,BLU,500SH	3R05856	RM	5.13	30%	24	123.12
345645	PAPER,COPY,8.5X11,500SH,GRN	3R05857	RM	5.13	30%	22	112.86
345652	PAPER,COPY,8.5X11,500SH,PINK	3R05859	RM	5.13	30%	22	112.86
345660	PAPER,COPY,8.5X11,YEL,500SH	3R05858	RM	5.13	30%	36	184.68
345678	PAPER,COPY,8.5X11,500SH,BUFF	3R05860	RM	5.13	30%	5	25.65
345686	PAPER,CPY,8.5X11,500SH,GOLDROD	3R05861	RM	5.13	30%	12	61.56
345694	PAPER,COPY,8.5X11,IVY,500SH	3R05862	RM	5.13	30%	9	46.17
345702	PAPER,COPY,8.5X11,500SH,GREY	3R20079	RM	5.13	30%	4	20.52
348235	INDEX-BLUE110# 8.5X11	48528	PK	6.42	0%	1	6.42
348243	VLM BRSTL67# 8.5X11 WHITE	80218	PK	4.96	0%	8	39.68
348359	INDEX WHITE 110# 8.5 X 11	40508	PK	6.41	30%	7	44.87
364065	PAPER,ASTRO,8.5X11,TERRA GREEN	21588	RM	5.88	0%	12	70.56
420919	PAPER,ASTRO,PULSAR PINK	21038	RM	5.96	0%	3	17.88
420927	PAPER,COPY,8.5X11,RE-ENTRY,RED	21558	RM	6.1	30%	4	24.40
420935	PAPER,ASTRO,LTR,SLR YEL	21538	RM	6.13	0%	6	36.78
423545	PAPER,ASTROBRIGHT 65#,LTR,GRN	21788	PK	5.79	0%	2	11.58
423983	PAPER,COVER,65#,LTR,250PK,WHT	21408	PK	5.89	30%	1	5.89
424090	PAPER,ASTROPARCHE 65#,LTR,NTRL	26428	EA	5.82	30%	1	5.82
424134	PAPER,EXACT 110#,LETTER,GRAY	48598	EA	6.48	0%	1	6.48
457981	PAPER,ASTRO,LTR,LIFT-OFF LEMON	21018	RM	616	0%	4	2,464.00
458121	PAPER,ASTROBRIGHTS,24#,FUCHSIA	21688	RM	5.97	0%	3	17.91
458391	PAPER,ASTROBRIGHTS,65# VINTAGE	21003	PK	5.87	0%	1	5.87
458411	PAPER,ASTROBRIGHTS,65# HAPPY A	21004	PK	6.11	0%	4	24.44
458621	PAPER,65#C,95B,250PK,B/WHITE	91904	PK	5.62	0%	22	123.64
461949	PAPER,PASTEL,24#,8.5X11,GREEN	3R11526	RM	5.7	30%	10	57.00
461963	PAPER,PASTEL,24#,8.5X11,LILAC	3R11527	RM	5.7	30%	1	5.70
475357	PAPER,ASTROBRIGHT,BLASTOFF,BLU	21906	RM	5.84	0%	1	5.84
475573	PAPER,ASTROBR, OUTRAG'S ORCHID	21946	RM	5.84	0%	1	5.84
478123	PAPER,CPY,8.5X11,500SH,SALMON	3R11231	RM	5.13	30%	12	61.56
478156	PAPER,COPY,8.5X11,500SH,LILAC	3R11230	RM	5.13	30%	15	76.95
544199	PAPER,CPY,8.5X11,500SH,ASTD	3R11521	RM	5.13	30%	1	5.13
544206	PAPER,COPY,8.5X11,BLUE,5M	3R11523	RM	5.13	30%	12	61.56
544220	PAPER,COPY,8.5X11,YELLOW,5M	3R11524	RM	6.07	30%	1	6.07
544227	PAPER,COPY,8.5X11,IVORY,5M	3R11525	RM	6.07	30%	2	12.14
550871	PAPER COPY ASTRO GRAV GRAPE	21961	RM	6.05	0%	1	6.05
583973	PAPER,PASTEL,24#,8.5X11,AQUA	3R20082	RM	6.07	30%	6	36.42
583980	PAPER,PASTEL,24#,8.5X11,GOLD	3R20083	RM	6.07	30%	3	18.21
675025	VLM BRST67# GREEN 8.5X11	81358	PK	4.97	0%	10	49.70
675033	VLM BRSTL67# IVORY 8.5X11	81368	PK	4.97	0%	3	14.91
675041	PAPER,COPY,ASTRO,LUNAR BLUE	21528	RM	5.86	30%	3	17.58
681924	INDEX,110#,8.5X11,IVORY	48588	PK	6.61	0%	5	33.05
696815	PAPER,LTR,ASTRO,24#,PURPLE	21678	RM	5.91	30%	1	5.91
704485	PAPER,ASTROBRIGHT,500/RM,ASTD	22226	RM	6.11	30%	10	61.10
860536	PAPER ASTRBRT24# CHRISMA 200	20008	PK	2.42	0%	3	7.26
860581	PAPER,CPY,8.5X11,500SH,TAN	3R20081	RM	5.1	30%	5	25.50
919519	PAPER,CPY,8.5X11,20#,500SH,CHE	3R20080	RM	4.99	30%	8	39.92
554609	PAPER,PRM COLOR LASER,OD,REAM	554609	RM	7	0%	11	77.00

PRODUCT CODE	PRODUCT DESCRIPTION	WHOLESALE PROD CODE	UM	Weight per U/M	Recycled Content	QUANTITY	Total Weight
622234	HAMMERMILL PAPER,LASER GLOSS,R	163110	PK	4.7	0%	1	4.70
751441	PAPER,COLOR LASER,OD,REAM	751441	RM	5.89	30%	30	176.70
805218	PAPER,LASERJET,HP,REAM	115300	RM	5.9	0%	1	5.90
244491	PAPER,COPY,8.5X11,EXTRA BRIGHT	PC8611RM	RM	5.23	0%	3	15.69
251668	PAPER,HP,MULTIPURPOSE,LTR	HPM1120	CA	51.91	0%	2	103.82
304495	PAPER,COPY,11X17,20#,WHITE	117095OD (REAM)	RM	10.18	0%	2	20.36
393122	PAPER,PREM MP,HAMM,REAM,24/97	10581-0	RM	6	0%	2	12.00
536640	PAPER,PREMIUM MP,OD,CASE,10-RM	953922OD	CA	50.91	0%	2	101.82
677947	PAPER,PREMIUM MP,OD,CASE,10-RM	1804	CT	50	0%	2	100.00
833325	PAPER,LSR/IKJT,100%REC,5/CA,WH	611-1191	CA	31.52	100%	5	157.60
940593	PAPER,MULTIPURP,OD,CASE,10REAM	OC9011	CA	50	0%	31	1,550.00
940635	PAPER,COPY,14",20#,XTRA BRIGHT	954001OD (CTN)	CA	65.07	0%	1	65.07
992970	PAPER,MULTIPURP,OD,CASE,5-REAM	58288	CA	25.72	0%	1	25.72
889359	PAPER,COPY,WHT TOP,TRCKLD,92BR	404280	EA	47,250.00	0%	1	47,250.00
222202	PAPER,30% REC,OD,CASE,5-REAM	40430	CA	25	30%	2	50.00
250983	PAPER,COPY,OD,8.5X11,5/CA,WHT	851201CS	CA	26.02	0%	3	78.06
273646	PAPER,COPY,WHITE TOP,10/CA	W93443	CA	56.25	0%	9	506.25
317339	PAPER,COPY,14",104BRT	854001ODRM	RM	6.43	0%	11	70.73
348037	PAPER,COPY,OD,CASE,10-REAM	ODRT-8511-CTN	CA	51.82	0%	243	12,592.26
348045	PAPER,COPY,OD,CASE,LEGAL,10RM	854001OD	CA	65.22	0%	2	130.44
495200	PAPER,COPY,8.5X11,3HP,104BR	851031OD	CA	51.25	0%	0	0.00
521980	PAPER,CPY,RCYC,8.5X11,10CA,WHT	7-35854-22826-7	CA	54.25	100%	2	108.50
536648	PAPER,COPY,OD,11X17,5CA,104BRT	843923OD	CA	51.52	0%	0	0.00
563002	PAPER,30% REC,OD,REAM,LEGAL	654001CP	RM	6	30%	3	18.00
680017	PAPER,LTR,20#,RECY,MULTI	86700	CA	52.07	30%	4	208.28
811544	PAPER,COPY,RECYCLE,3HP,8.5X11	651031ODREA	RM	5.03	30%	4	20.12
940650	PAPER,30% REC,OD,CASE,10-REAM	651001OD	CA	50.26	30%	8	402.08
974032	PAPER,COPY,OD,11X17,104BRT,RM	843923ODRM	RM	10.5	0%	4	42.00
813212	PAPER,COMP,14-7/8X11,GREEN BAR	OD-813212	CA	41.2	0%	10	412.00
940825	PAPER,COMPUTER,14-7/8X8.5,20LB	OD-940825	CA	35	0%	0	0.00
108610	THERMAL ROLL,2-1/4,OD,6/PK	108610	PK	1.82	0%	2	3.64
109317	PAPER,THERMAL,RL,OD,2.25",9PK	109317	PK	1.44	0%	15	21.60
496190	PAPER,ADDING,MACHINE,2-1/4,RL	NSN2223455	RL	0.4	0%	3	1.20
553995	PAPER,ADD,RECY,12PK,WHITE	553995	PK	2.53	70%	10	25.30
840215	PAPER,ADD,2.25X150,WHITE	554035EA	EA	0.3	0%	100	30.00
216161	PAPER,PREM,PHOTO,50SHT PK	C6979A	PK	1.76	0%	1	1.76
244369	PAPER,OD,BR/FLY,8.5X11,DS100PK	124213	PK	2.65	0%	1	2.65
244945	PAPER,OD,TF,DS,GLS8.5X11,100PK	124214	PK	2.7	0%	2	5.40
394925	PAPER,OD,MULTI,GLOSS,100/PK	123434	PK	2.81	0%	2	5.62
516128	MP-101(50 SHEETS)	7981A004	EA	1.76	0%	1	1.76
548329	PAPER,PHOTO,MATTE,8.5X11,100CT	8318164	PK	2.48	0%	1	2.48
731101	PAPER,HEAVYCOATED,HP,36X100'RL	HEWC6030C	RL	9.07	0%	9	81.63
732411	PAPER,BASICGLOSS,HP,36X100'RL	HEWQ1427A	RL	13.55	0%	6	81.30
760144	PAPER,BRC,HP CLR LSR,GLS,BX150	Q6611A	BX	3.41	0%	5	17.05
770545	PAPER,IJ,1400 D,LTR,100PK,WHIT	S041062	PK	1.52	0%	2	3.04
818727	PAPER,PHT,HP,PREM,50PK,8.5X11	CR664A	PK	2.2	0%	9	19.80
820077	PAPER,PHOTO,HP,PREM,100PK,4X6	CR668A	PK	1	0%	1	1.00
830064	PAPER,PHOTO,ADVCD,8.5X11,100P	Q7854A	PK	3.62	0%	2	7.24
902512	PAPER,PHOTO,PREMIUM,HP,100/PK	Q5494A	PK	3.49	0%	1	3.49
<b>TOTAL</b>						<b>916</b>	

0% Total Weight = 66,450.93  
30% Total Weight = 2,172.80  
50% Total Weight = 0  
70% Total Weight = 25.30  
100% Total Weight = 266.10



Account: 34338711 - UNC PEMBROKE SCIQUEST  
 From 07-01-2013 to 06-30-2014

PRODUCT CODE	PRODUCT DESCRIPTION	WHOLESALE PROD CODE	UM	Weight per U/M	Recycled Content	QUANTITY	Total Weight
160678	PAPER,8 1/2X11,110#,250CT,ASTD	48990	PK	6.23	0%	3	18.69
170719	PAPER,ASTRONEON,LTR,24#,HAPPY	21289	RM	6.05	0%	12	72.60
240556	90# WHITE INDEX	40311	PK	5.41	30%	4	21.64
255664	PAPER,ASTROBRITE,LTR,GALAXY	21578	RM	5.94	30%	10	59.40
255815	PAPER,ASTRO,LTR,COSMIC ORANGE	21658	RM	6.23	0%	2	12.46
258815	PAPER,COPIER,20#,LGL,500SH,IVY	3R20093	RM	10.20	30%	3	30.60
310152	PAPER,ASTROBRIGHT,24#,LTR,ASTD	20274	RM	5.95	0%	5	29.75
345637	PAPER,COPIER,20#,LTR,BLU,500SH	3R05856	RM	5.13	30%	38	194.94
345645	PAPER,COPY,8.5X11,500SH,GRN	3R05857	RM	5.13	30%	28	143.64
345652	PAPER,COPY,8.5X11,500SH,PINK	3R05859	RM	5.13	30%	24	123.12
345660	PAPER,COPY,8.5X11,500SH,BUFF	3R05858	RM	5.13	30%	35	179.55
345678	PAPER,COPY,8.5X11,500SH,BUFF	3R05860	RM	5.13	30%	17	87.21
345686	PAPER,CPY,8.5X11,500SH,GOLDROD	3R05861	RM	5.13	30%	29	148.77
345694	PAPER,COPY,8.5X11,IVY,500SH	3R05862	RM	5.13	30%	28	143.64
345702	PAPER,COPY,8.5X11,500SH,GREY	3R20079	RM	5.13	30%	14	71.82
345710	PAPER,COPY,8.5X14,500SH,BLUE	3R20084	RM	5.13	30%	1	5.13
345728	PAPER,CPY,8.5X14,500SH,GREEN	3R20086	RM	5.13	30%	1	5.13
345744	PAPER,CPY,8.5X14,500SH,YELLOW	3R20085	RM	5.13	30%	1	5.13
345769	PAPER,CPY,8.5X14,500SH,GOLDENR	3R20089	RM	5.13	30%	2	10.26
348243	VLM BRSTL67# 8.5X11 WHITE	80218	PK	4.96	0%	4	19.84
348359	INDEX WHITE 110# 8.5 X 11	40508	PK	6.41	30%	6	38.46
364065	PAPER,ASTRO,8.5X11,TERRA GREEN	21588	RM	5.88	0%	10	58.80
379595	PAPER,ASTROBRIGHT CELE,BE	22661	RM	5.89	30%	7	41.23
420919	PAPER,ASTRO,PULSAR PINK	21038	RM	5.96	0%	1	5.96
420927	PAPER,COPY,8.5X11,RE-ENTRY,RED	21558	RM	6.10	30%	2	12.20
420935	PAPER,ASTRO,LTR,SLR YEL	21538	RM	6.13	0%	3	18.39
424134	PAPER,EXACT 110#,LETTER,GRAY	48598	EA	6.48	0%	1	6.48
424152	PAPER,ASTROBRIGHT 65#,LTR,BLU	21728	PK	5.86	30%	1	5.86
424241	PAPER,ASTROBRT 65#,LTR,RE RED	21758	PK	5.86	30%	6	35.16
458121	PAPER,ASTROBRIGHTS,24#,FUCHSIA	21688	RM	5.97	0%	1	5.97
458391	PAPER,ASTROBRIGHTS,65# VINTAGE	21003	PK	5.87	0%	1	5.87
458411	PAPER,ASTROBRIGHTS,65# HAPPY A	21004	PK	6.11	0%	3	18.33
458621	PAPER,65#C,95B,250PK,B/WHITE	91904	PK	5.62	0%	22	123.64
462005	PAPER,PASTEL,24#,8.5X11,PINK	3R11528	RM	6.05	30%	5	30.25
475357	PAPER,ASTROBRIGHT,BLASTOFF,BLU	21906	RM	5.84	0%	5	29.20
475402	PAPER,ASTROBRIGHT,JUPITER JAVA	21926	RM	5.91	30%	2	11.82
477562	8 1/2X11 90# GREEN EXACTINDEX	49161	PK	5.41	0%	4	21.64
478123	PAPER,CPY,8.5X11,500SH,SALMON	3R11231	RM	5.13	30%	21	107.73
478156	PAPER,COPY,8.5X11,500SH,LILAC	3R11230	RM	5.13	30%	19	97.47
515403	PAPER,ASTRO,BRIGHT GREEN	21548	RM	6.07	30%	9	54.63
544206	PAPER,COPY,8.5X11,BLUE,5M	3R11523	RM	5.13	30%	6	30.78
583980	PAPER,PASTEL,24#,8.5X11,GOLD	3R20083	RM	6.07	30%	1	6.07
659646	PAPER,ASTROBRT,5PK/CASE,ASTD	22998	CA	14.98	0%	1	14.98
675033	VLM BRSTL67# IVORY 8.5X11	81368	PK	4.97	0%	5	24.85
681924	INDEX,110#,8.5X11,IVORY	48588	PK	6.61	0%	3	19.83
696815	PAPER,LTR,ASTRO,24#,PURPLE	21678	RM	5.91	30%	1	5.91
704485	PAPER,ASTROBRIGHT,500/RM,ASTD	22226	RM	6.11	30%	1	6.11
750470	PAPER,ASTROBRT,24#,LTR,ASTD	20270	RM	5.93	0%	8	47.44
860536	PAPER ASTRBRT24# CHRISMA 200	20008	PK	2.42	0%	1	2.42
919519	PAPER,CPY,8.5X11,20#,500SH,CHE	3R20080	RM	4.99	30%	16	79.84
876818	PAPER,INKJET,OD,CASE,3-REAM	751382	CA	19.00	30%	2	38.00
401331	PAPER,LASERPRINT,HAM,24LB,RM	104640	RM	5.86	0%	20	117.20
544005	PAPER,EXPRS,CLR,DGTL,8.5X11	3R11540	RM	6.00	0%	1	6.00

PRODUCT CODE	PRODUCT DESCRIPTION	WHOLESALE PROD CODE	UM	Weight per U/M	Recycled Content	QUANTITY	Total Weight
727641	PAPER,COLOR COPY,11",8RM	727641	CA	56.15	0%	4	224.60
254268	PAPER,FORE P,LTR,24#,WHT	10328-3	RM	6.00	0%	8	48.00
317410	PAPER,HPMULTI,LEDGER,20#,WHITE	HPM1720	RM	10.00	0%	2	20.00
568219	PAPER,MULTIPURP,HAMMERM,LETTER	106310	CA	50.00	0%	2	100.00
617206	PAPER,IMAGPRNT,10RM,8.5X11,WHT	1821	CT	50.00	0%	20	1,000.00
665773	PAPER,WHITE,20LB,8.5X14	1836	CA	60.00	0%	0	0.00
677947	PAPER,PREMIUM MP,OD,CASE,10-RM	1804	CT	50.00	0%	1	50.00
805226	PAPER,MULTIPURPOSE,HP,REAM	115100	RM	5.05	0%	10	50.50
833325	PAPER,LSR/IKJT,100%REC,5/CA,WH	611-1191	CA	31.52	100%	3	94.56
940593	PAPER,MULTIPURP,OD,CASE,10REAM	OC9011	CA	50.00	0%	24	1,200.00
940635	PAPER,COPY,14",20#,XTRA BRIGHT	954001OD (CTN)	CA	65.07	0%	1	65.07
940643	PAPER,COPY,11X17,20#,5/CA,WHT	117095OD (CTN)	CA	50.93	0%	2	101.86
250983	PAPER,COPY,OD,8.5X11,5/CA,WHT	851201CS	CA	26.02	0%	39	1,014.78
267324	PAPER,30% RECYCLED,20LB,8.5X11	40519	CA	50.00	30%	2	100.00
273646	PAPER,COPY,WHITE TOP,10/CA	W93443	CA	56.25	0%	10	562.50
317339	PAPER,COPY,14",104BRT	854001ODRM	RM	6.43	0%	16	102.88
333465	PAPER,OFFICE COPY,HP,CASE,10RM	C8511	CA	50.00	0%	2	100.00
348037	PAPER,COPY,OD,CASE,10-REAM	ODRT-8511-CTN	CA	51.82	0%	190	9,845.80
348045	PAPER,COPY,OD,CASE,LEGAL,10RM	854001OD	CA	65.22	0%	3	195.66
420283	PAPER,COPY,OD,REAM	851201RM	RM	5.03	0%	2	10.06
456529	PAPER,RECYCLED,50%,10/CA	1795	CT	50.50	50%	3	151.50
536648	PAPER,COPY,OD,11X17,5CA,104BRT	843923OD	CA	51.52	0%	1	51.52
680017	PAPER,LTR,20#,RECY,MULTI	86700	CA	52.07	30%	3	156.21
748851	QUICKPACK,HP 2500 ST, LTR	112103	CT	26.03	0%	1	26.03
841195	PAPER,COPY,8.5X11,104BRT,WHITE	OD8411RM	RM	5.15	0%	30	154.50
940650	PAPER,30% REC,OD,CASE,10-REAM	651001OD	CA	50.26	30%	5	251.30
974032	PAPER,COPY,OD,11X17,104BRT,RM	843923ODRM	RM	10.50	0%	1	10.50
813212	PAPER,COMP,14-7/8X11,GREEN BAR	OD-813212	CA	41.20	0%	8	329.60
108862	PAPER ROLL,2-1/4X130,SNGL PLY	108862	PK	3.16	29%	13	41.08
109023	PAPER ROLL,3"X128",10PK	109023	PK	3.51	0%	1	3.51
109317	PAPER,THERMAL,RL,OD,2.25",9PK	109317	PK	1.44	0%	10	14.40
496190	PAPER,ADDING,MACHINE,2-1/4,RL	NSN2223455	RL	0.40	0%	3	1.20
553995	PAPER,ADD,RECY,12PK,WHITE	553995	PK	2.53	70%	2	5.06
816844	PAPER,HP COATED,24X150	HEWC6019B	RL	8.00	0%	1	8.00
394925	PAPER,OD,MULTI,GLOSS,100/PK	123434	PK	2.81	0%	3	8.43
463407	HP UNIVERSAL INSTANT-DRY PHOTO	D36608	EA	7.78	0%	1	7.78
504488	PAPER,BROCHURE,LASER,HP,150PK	Q6543A	PK	3.20	0%	1	3.20
716501	PAPER,FLYER,TRI,HP,100PK	C7020A	PK	2.58	0%	2	5.16
723265	PAPER,BROCH,CLR LSR,TRIFLD	Q6612A	PK	3.38	0%	1	3.38
731101	PAPER,HEAVYCOATED,HP,36X100'RL	HEWC6030C	RL	9.07	0%	6	54.42
732411	PAPER,BASICGLOSS,HP,36X100',RL	HEWQ1427A	RL	13.55	0%	9	121.95
760144	PAPER,BRC,HP CLR LSR,GLS,BX150	Q6611A	BX	3.41	0%	3	10.23
784408	PAPER,HP,SEMI-GLOSS,36"X100'	HEWQ6580A	RL	13.00	0%	1	13.00
818727	PAPER,PHT,HP,PREM,50PK,8.5X11	CR664A	PK	2.20	0%	4	8.80
<b>TOTAL</b>						<b>910</b>	

0% Total Weight = 16,207.66  
30% Total Weight = 2,380.09  
50% Total Weight = 151.5  
70% Total Weight = 5.06  
100% Total Weight = 94.56

## Jay Blauser

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**From:** Kimberly Locklear  
**Sent:** Friday, April 17, 2015 4:08 PM  
**To:** Jay Blauser  
**Subject:** FW: reports  
**Attachments:** U150311034-001-34338711 2012\_2013.xls; U150311034-002-34338711 2013\_2014.xls

Jay: Here is the information you requested. Please advise if you have additional concerns or questions. Thanks

Per Office Depot rep:  
PK-Pack *specialty paper 50-100 sheets (smaller than ream) 250 sheets*  
RM-Ream *smallest 500 sheets*  
EA-Each *specialty - 1 sheet*  
CA-Case *10 reams*  
CT-Carton *10 reams*  
RL-Roll *specialty 100 feet*  
BX-Box *Specialty 150 sheets*

The quantity was calculated from the usage that the analyst ran.

Thanks,

**Kimberly Locklear, MPA**

DIRECTOR OF PURCHASING

1 University Drive | P.O. Box 1510 | Pembroke, NC 28372

O: 910.521.6241 | F: 910.521.6241

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UNIVERSITY of NORTH CAROLINA  
**PEMBROKE**

*Catch the Spirit! GO BRAVES!! '98 '05*

"If everyone is moving forward together, then success takes care of itself." Henry Ford

**From:** Susan Meier [mailto:[susan.meier@officedepot.com](mailto:susan.meier@officedepot.com)]  
**Sent:** Friday, March 13, 2015 9:00 AM  
**To:** Kimberly Locklear  
**Subject:** reports

Hi Kimberly,