



UNCG Sustainability Office &lt;uncgsus@uncg.edu&gt;

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**Fwd: Sustainability Minutes**

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Sean MacInnes <s\_macinn@uncg.edu>  
To: UNCG Sustainability Office <uncgsus@uncg.edu>

Wed, Jan 5, 2022 at 5:08 PM

From: Sameer Kapileshwari <s\_kapile@uncg.edu>  
Date: Tue, Dec 21, 2021 at 1:59 PM  
Subject: Re: Sustainability Minutes  
To: Sean MacInnes <s\_macinn@uncg.edu>

Good afternoon Sean:

I have reviewed the attached UNCG Greenhouse Gas Inventory report. The data used seems accurate and I am comfortable in us submitting this report to AASHE STARS.

Thank you for all your hard work in compiling all this data and your leadership in making our campus more sustainable every year.

**Best Regards,**

**Sameer Kapileshwari, P.E. LEED AP FMP**  
**Associate Vice Chancellor for Facilities**

*UNC Greensboro*  
*254 Mossman Building, P.O. Box 26170*  
*Greensboro, NC 27402-6170*



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Office: 336-334-3496  
Email: s\_kapile@uncg.edu

SERVICE REQUEST: 336-334-5684

On Mon, Dec 20, 2021 at 3:22 PM Sean MacInnes <s\_macinn@uncg.edu> wrote:

Hi Sameer,

Attached is the Greenhouse Gas report. When you have time (by mid-January is fine), please read through it and if everything looks fine to you, just send me a quick email that says you've reviewed it, the data is correct, and that you approve it's submission to AASHE STARS - they ask for a review by a "third party" who was not involved in data collection or writing it. You can see the data we used here. Let me know if you have any questions or are curious to see other types of findings - SIMAP can provide normalizations for other categories that I didn't include, like budgets and degree days.

I hope you, Shaleen, and your family have a great holiday break!

Thank you,

**Sean MacInnes**  
Sustainability Specialist  
Staff Senator  
UNC Greensboro

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[www.sustainability.uncg.edu](http://www.sustainability.uncg.edu)  
*He, His, Him - Why Pronouns Matter*



----- Forwarded message -----

From: **Sean MacInnes** <s\_macinn@uncg.edu>  
 Date: Mon, Dec 20, 2021 at 3:06 PM  
 Subject: Sustainability Minutes  
 To: Nihal Al Raees <naalraee@uncg.edu>

The Green Fund awarded \$3,032 to Housing and Residence Life to install 288 LEDs in the emergency lighting system in Weil / Winfield, Moore-Strong, and Ragsdale Mendenhall; and \$5,760 to Facilities Operations for 53 outdoor LEDs. Not including labor and parts savings the ROI will be 15,311 kWh / \$963 for the outdoor lighting and 33,528 kWh / \$2,110 for the emergency lighting, annually. There is approximately \$35,000 in funding still available going into the Spring semester.

The Office of Sustainability completed a new Greenhouse Gas Inventory to track carbon emission trends from FY09-FY21. The major findings include:

- For FY21, UNCG's carbon footprint was 54,946 MTeCO<sub>2</sub> - a 25% reduction from our baseline FY09 footprint of 73,052 MTeCO<sub>2</sub>.
- UNCG's carbon footprint declined by 15% between FY19 and FY20.
- Emissions increased 2% from FY20 to FY21 as people returned to campus.
- If we consider FY19 as the last business-as-usual year, UNCG achieved a 13% reduction in its carbon footprint since 2009 and achieved a 5% reduction from FY18 to FY19 - the second largest one-year reduction since UNCG started tracking its carbon footprint. A 13% reduction over 11 years puts UNCG on track to achieve an overall 48% reduction by 2050, less than half of its stated goal.
- The university achieved a 41% MTeCO<sub>2</sub> reduction per 1000 gross square feet and a 29% MTeCO<sub>2</sub> reduction per weighted campus in FY21, or 29% and 22% respectively by FY19, pre-pandemic.
- Scope 1 emissions related to on-campus stationary fuels have increased by 22% since 2009.
- In 2021, Scope 1 emissions surpassed Scope 2 emissions from purchased electricity for the first time to become the largest contributor to our carbon footprint.
- Natural gas consumption has increased by 21% since 2009 and reached record high usage in 2021, accounting for 60% of UNCG's total energy usage that year.
- Commuting is still the 3rd largest contributor to UNCG's carbon footprint.
- Less than 50 non-resident students and 50 faculty participated in the commuter survey, while about 140 staff completed the survey – only 1% of UNCG's total population. More participation is needed!

**Sean MacInnes**  
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