Annual Progress Evaluation for Washington and Lee University, 2018

ANNUAL PROGRESS EVALUATION

1. Methodology & Boundaries

***Start date of the 12-month period covered in this report**	July 1, 2017
Consolidation methodology used to determine organizational boundaries	Operational control approach
***If any institution-owned, leased, or operated buildings or other holdings that should fall within the organizational boundaries are omitted, briefly explain why.**	non ommitted
***Emissions calculation tool used**	SIMAP
Please describe why this tool was selected	credibility due to partnership with Second Nature, ease of use, and available support.
Please describe the source(s) of the emissions coefficients used.	See SIMAP, emission factors version 2018V
Which version of IPCC's list of global warming potentials did you use?	*No Information Provided*
***Who primarily conducted this emissions inventory?**	Sustainability office staff
Please describe the process of conducting the inventory.	Staff members responsible for tracking the various inputs within their departments are given access to a central web-based excel document (smartsheet) where they enter the data for the category under their control. Each category includes a listed "primary responsible" contact and a "reviewer" for each input. The reviewer is typically in a supervisory role to the "primary responsible." Information is collected from the internal tracking document and entered into SIMAP by the implementation liaison.
Please describe any emissions sources that were classified as de minimis and explain how a determination of the significance of these emissions was made.	*No Information Provided*
Please describe any data limitations related to this submission and any major assumptions made in response to these limitations.	In scope three emissions, inputs include only daily student, faculty and staff commuting. Commuting information is based on distance from town of individual residence to campus, with conservative estimates for pedestrian and bike commuting. Other travel and food related inputs are not included.

2. Emissions Data

Scope One	
***Stationary Combustion**	5,990.57 MTCO2e
***Mobile Combustion**	258.07 MTCO2e
***Process Emissions**	0 MTCO2e
***Fugitive Emissions**	50.22 MTCO2e
Total Scope 1 emissions	6,298 MTCO2e
Scope Two	
***Purchased Electricity**	10,500.8 MTCO2e
***Purchased Heating**	0 MTCO2e
***Purchased Cooling**	0 MTCO2e
***Purchased Steam**	0 MTCO2e
Total Scope 2 emissions	10,500 MTCO2e
Scope Three	
***Commuting**	208.48 MTCO2e
***Air Travel**	0 MTCO2e
Waste Generated in Operations	2,201.99 MTCO2e
Fuel and energy related to activities (not included in scope 1 or scope 2)	0 MTCO2e
Purchased goods and services	0 MTCO2e
Total Scope 3 emissions	2,409 MTCO2e
Biogenic Emissions	
Biogenic Emissions from Stationary Combustion	0 MTCO2e
Biogenic Emissions from Mobile Combustion	0 MTCO2e
Upload the completed inventory calculator	

3. Mitigation Data

Campus Energy (all sources)	
***Total Purchased Electricity Consumption**	22,213,941 kWh
***On-Site Electricity Generation for Campus Consumption**	0 kWh
Total Electricity Demand	22,213,941 kWh
***Purchased Thermal Energy**	0 MMBTU
***On-site Thermal Energy Generation**	0 MMBTU
Total Thermal Demand	0 MMBTU
On Campus Renewable Energy Generation	
***Solar Sold**	0 kWh
***Solar Retained**	468,769 kWh
Solar Verification	*No Information Provided*
***Wind Sold**	0 kWh
***Wind Retained**	0 kWh
Wind Verification	*No Information Provided*
***Fuel Cell Sold**	0 kWh
***Fuel Cell Retained**	0 kWh
Fuel Cell Verification	*No Information Provided*
***Landfill Gas Sold**	0 kWh
***Landfill Gas Retained**	0 kWh
Landfill Gas Verification	*No Information Provided*
***Biomass (electric) Sold**	0 kWh
***Biomass (electric) Retained**	0 kWh
Biomass (electric) Verification	*No Information Provided*
***Biomass (thermal) Sold**	0 MMBTU
***Biomass (thermal) Retained**	0 MMBTU
Biomass (thermal) Verification	*No Information Provided*
***Geothermal Sold**	0 MMBTU
***Geothermal Retained**	0 MMBTU
Geothermal Verification	*No Information Provided*

Geothermal Verification	*No Information Provided*
Total Sold	0 kWh
Total Retained	468,769 kWh
Total Generation kWh (sold + retained)	468,769 kWh
If you are selling RECs from campus renewable projects, at what date do you anticipate you will begin retaining those RECs?	
Description of RECs sold (including vendor, project source, etc.)	

Off Campus Renewable Energy Purchases	
***Utility Green Pricing Purchased**	0kWh
Utility Green Pricing RECs retained?	no
Utility Green Pricing Verification	*No Information Provided*
***Competitive Suppliers Purchased**	0 kWh
Competitive Suppliers RECs retained?	no
Competitive Suppliers Verification	*No Information Provided*
***Voluntary Unbundled RECs Purchased**	0 kWh
Voluntary Unbundled RECs RECs retained?	no
Voluntary Unbundled RECs Verification	*No Information Provided*
***Community Choice Aggregation Purchased**	0 kWh
Community Choice Aggregation RECs retained?	no
Community Choice Aggregation Verification	*No Information Provided*
***Community Solar Purchased**	0 kWh
Community Solar RECs retained?	no
Community Solar Verification	*No Information Provided*
***Power Purchase Agreement Purchased**	0 kWh
Power Purchase Agreement RECs retained?	no
Power Purchase Agreement Verification	*No Information Provided*

***Large Commercial Green Power Rates ("green tarrifs") Purchased**	0 kWh
Large Commercial Green Power Rates ("green tarrifs") RECs retained?	no
Large Commercial Green Power Rates ("green tarrifs") Verification	*No Information Provided*
Other Purchased	*No Information Provided* kWh
Verification Program RECs retained?	no
Verification Program Verification	*No Information Provided*
Total REC Purchases	0 kWh
Description of Renewable Energy Purchase (including vendor, project source, etc.)	*No Information Provided*
Offsets	
***Carbon offsets purchased**	0 MTCO2e
Offset verification program(s)	[]
Description of offsets purchased (including vendor, project source, etc.)	*No Information Provided*
***Offsets Sold**	0 MTCO2e
Were these offsets used to offset the buyers emissions or retired?	no
Used to offset purchaser's emissions	no
Retired against the climate	no
If other, please specify	*No Information Provided*
Description of offset projects (including project source, etc.)	*No Information Provided*
Offsets Produced	0 MTCO2e
Offset Type	*No Information Provided*
Description of offset projects (including project source, etc.)	*No Information Provided*
Offsets produced verification program(s)	[]
Description of Verification Protocol (including monitoring proceedures, peer review, etc.)	*No Information Provided*
Offsetproducedverficationfile	*No Information Provided*
Sequestration & Carbon Storage	
Sequestration due to land owned by the institution	0
Description of how sequestration was calculated	*No Information Provided*
Carbon storage due to composting	0

4. Normalization & Contextual Data

***Gross square feet of building space**	2,421,437 sq ft
Net assignable square feet of laboratory space	45,401 sq ft
Net assignable square feet of health care space	0 sq ft
Net assignable square feet of residential space	597,060 sq ft
***Total student enrollment (FTE)**	2,200
Residential Students	1,422
Full-time Commuter Students	778
Part-time Commuter Students	0
Non-credit Students	0
Full-time Faculty	247
Part-time Faculty	72
Full-time Staff	921
Part-time Staff	0
Endowment Size	$0.00 USD
Heating Degree Days	0
Cooling Degree Days	0
Please describe any circumstances specific to your institution that provide context for understanding your greenhouse gas emissions this year.	*No Information Provided*
Has this emissions data been audited, verified, or peer-reviewed?	*No Information Provided*
Please briefly describe this verification, if any.	*No Information Provided*

5. Progress Metrics

Has your Climate Action Plan and/or related sustainability efforts saved your institution money so far, e.g. by reducing operational expenses?	yes
Estimated money saved to date from implementing your CAP	
Borrowed against endowment	no
Efficiency Services Agreement (ESA)	no
Managed Utility Service Contract (MUSC)	no
Power Purchase Agreement (PPA)	no

Renegotiating Purchased Utilities Agreements	no
Revolving Loan Funds	no
Tax Exempt Lease Purchase Agreements (TELP)	no
Tax Exempt Lease Purchase Agreements (TELP)	no
Student Green Fees	no
Energy Performance Contract (EPC)	no
Other	yes
Other – please provide more information:	Energy efficiency and consumption reduction initiatives have reduced utility costs significantly
How is your institution making climate neutrality and sustainability a part of the curriculum and other educational experiences for all students?	Many courses on campus cover climate change and sustainability as areas of academic inquiry, but recently we also have been intentional about creating opportunities for using "campus as a lab." This includes using our decision to sign the Climate Commitment and how we as an institution manage related decision-making and measuring as a case study for a Sustainable Accounting Class. We have also used live electricity data from dorm sub-meters in a lab exercise for an environmental studies course, and have incorporated "campus energy tours," including the central power plant and various mechanical rooms, as part of courses with sustainability/environment related themes.
Included sustainability learning outcomes, tracks, or certificates in every academic major.	no
Included sustainability in fulfilling regional accreditation requirements.	no
Included sustainability in fulfilling state accreditation requirements.	no
Included sustainability learning outcomes into institutional General Education Requirements.	no
Offered professional development to all faculty in sustainability education.	no
Other	no
Other text	*No Information Provided*
If applicable, how is your institution expanding research efforts toward the achievement of climate neutrality research?	Individual faculty members in the sciences, business and accounting are working on climate related research, ranging from courses in geology, to sustainable accounting, to sustainable development.
How is your institution expanding community outreach efforts toward the achievement of climate neutrality?	In developing our 2019 Climate Action Plan update, W&L opened presentations and discussions about our institutional climate initiatives and goals to the broad regional community to share ideas and increase understanding. we hope this is the first step in more intentional community/campus collaboration on finding climate solutions. On the student engagement end of the spectrum, the Office of Community Based Learning connects the campus to the community through various projects, including sustainability projects. A recent example includes work to establish a community garden. Related speakers and film screenings on campus are open to the community, and the campus invites community groups to explore sustainability themes through the campus facilities, including energy tours and visits to the on-site composting operation.