

**NHERI Experimental Facility
University of Florida User Rates**

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2020 User Rates for University of Florida NHERI Equipment and Staff

Note: Rates are subject to change every revision period.

Academic User Rate

Service Line	Unit	Rate
1) BLWT - Setup/Cleanup	Daily Rate	2080.00
2) BLWT - Operations	Daily Rate	1140.00
3) MAWLS/DFS -Setup/Cleanup	Daily Rate	1830.00
4) MAWLS/DFS - Operations	Daily Rate	2310.00
5) HAPLA -Setup/Cleanup	Daily Rate	1540.00
6) HAPLA -Operations	Daily Rate	800.00
7) SPLA- Setup/Cleanup	Daily Rate	1650.00
8) SPLA- Operations	Daily Rate	840.00
9) Planning of Experiment	Daily Rate	970.00
10) Machine Shop Equipment	Hourly Rate	24.00
11) Machine Shop Technician Labor	Hourly Rate	51.00
12) General Engineer Services	Hourly Rate	57.00
13) Instrumentation and Control Engineer	Hourly Rate	69.00
14) Research Scientist	Hourly Rate	76.00
15) Technical Assistant	Hourly Rate	32.00

Commercial User Rate

Service Line	Unit	Rate
1) BLWT - Setup/Cleanup	Daily Rate	3120.00
2) BLWT - Operations	Daily Rate	1710.00
3) MAWLS/DFS -Setup/Cleanup	Daily Rate	2740.00
4) MAWLS/DFS - Operations	Daily Rate	3460.00
5) HAPLA -Setup/Cleanup	Daily Rate	2310.00
6) HAPLA -Operations	Daily Rate	1200.00
7) SPLA- Setup/Cleanup	Daily Rate	2470.00
8) SPLA- Operations	Daily Rate	1270.00
9) Planning of Experiment	Daily Rate	1450.00
10) Machine Shop Equipment	Hourly Rate	36.00
11) Machine Shop Technician Labor	Hourly Rate	76.00
12) General Engineer Services	Hourly Rate	85.00
13) Instrumentation and Control Engineer	Hourly Rate	103.00
14) Research Scientist	Hourly Rate	114.00
15) Technical Assistant	Hourly Rate	48.00



NHERI Service Line Descriptions

The following equipment and the Machine Shop will be included as part of the service lines of NHERI facility:

- **BLWT** – Boundary Layer Wind Tunnel
- **MAWLS** – Multi-Axis Wind Load Simulator (including the DFS – Dynamic Flow Simulator)
- **HAPLA** – High Airflow Pressure Loading Actuator
- **SPLA** – Spatiotemporal Pressure Loading Actuator

Description of services:

- **Planning of Experiment:**
 - Review of the experimental plan by the laboratory staff to assess the setup and operation needs of the tests
 - Scheduling the experiment based on equipment availability and planned test matrix
 - Development of a standard instrumentation plan and preparing the necessary data acquisition hardware/software
 - Development of a risk management and performance assurance plan
 - Planning for the safety requirements of the testing
- **Setup and Closeout:**
 - Installing models/specimens in the experimental apparatus
 - Standard instrumentation
 - Preliminary tests to ensure correct model/specimen installation and operational instrumentation
 - Removal of the model/specimen from experimental apparatus
 - Clean up
 - Data transfer to user and/or data repository
- **Operations:**
 - Running the experimental apparatus
 - Recording, saving, and transferring data
 - Adjusting settings and configurations as required by the test matrix
 - Ensuring safe operation of equipment
- **Machine Shop** activities are charged by the hour with an equipment rate and a technician labor rate:
 - Using end mills, lathes, drill presses, grinders, saws, and welders
 - Manufacturing and repairs of mechanical parts
 - Construction and modifications of models
- **General Engineer Services:**
 - Engineering services to for specimen/model design, including CAD work and design calculations as necessary
- **Instrumentation and Control Engineer:**
 - Specialized or extensive instrumentation and control services
 - Design and implementation of systems to support cyber-physical testing and automation controls for data collection
- **Research Scientist**
 - Research consulting by Ph.D. scientist on experimental conception, design, and implementation.
 - Data analysis/interpretation
- **Technical Assistant**
 - General manual labor

Note: Daily rates will be rounded to the nearest half day (e.g. less than four hours will be charged 0.5 day, more than four hours will be charged a full day).

