

## Washington Clean Energy Testbeds: Research Training Testbed Rate Structures for 2018-2020 (Effective 2/1/18)

The WCET Research and Training Testbed is classified as a UW Recharge Center and is mandated to charge time and materials on a cost reimbursement basis. Academic pricing is achieved through UW and state grants and subsidies. Industrial rates are set for cost recovery. Cost basis for rates is based on cost of operation divided by utilization.

### ***User Classifications:***

The following user classifications determine eligibility for specific rate plans:

**University of Washington and Affiliates:** University of Washington researchers or affiliate-sponsored researchers (e.g. UW APL). Candidates eligible for Academic Rates are not assessed an overhead rate as the UW overhead rates are already applied to the research grant or other internal UW funding. These users must pay with a UW budget number.

**Non-UW Users:** All users not affiliated with the University of Washington (researcher, government employee, or employee of a private company) will be charged an outside users rate that includes UW overhead charges reflected in their rates.

**Remote:** Entities that solely seek to conduct limited scope process work that is to be conducted by WCET staff provided on a best-effort, time and materials cost reimbursement basis that includes the pro-rated hourly equipment plus engineering rate (\$150/HR UW or \$200/HR) and overhead. Due to the experimental nature of work, WCET cannot guarantee quality assurance in meeting all remote work specifications, but will use best effort methods to attempt to obtain a satisfactory result for the client.

### ***Policy Clarifications:***

**Fees:** Requests for billing changes must be submitted to [kpoparra@uw.edu](mailto:kpoparra@uw.edu). Planned or equipment-related adjustments are complimentary. Adjustment requests due to repeated user negligence will be assessed an increasing change fee of  $\$50 * N$  where N is the number of previous requests that calendar year. The lab systems are established in CORAL and on the exit status screen to remind users to log out of equipment. Forgetting to log off prevents other users from utilizing tools, resulting in loss of revenue. Due to some equipment being heavily in-use, all instrument use will be charged at the greater of either the reservation time or clock-in/clock-out time.

**Cleans:** Tools that require mandatory cleans are the responsibility of the user and should be factored in when considering the cost of operations. Users that do not follow the prescribed cleaning protocol will be assessed full tool plus staff time for running cleans.

***Fee Schedule:***

Effective February 1, 2018. All rates are subject to change. All rates are per hour of use.

Staff rates:

Training	\$75 UW/ \$200 Non-UW
Assistance/Consultation	\$75 UW/ \$200 Non-UW
Engineering and Remote Usage	\$150*/\$200 Non-UW

\*Or by prior arrangement with lab staff.

<b>Instrument</b>	<b>UW Rate</b>	<b>Non-UW Rate</b>
MTI 3-zone Tube Furnace	\$5	\$50
64-channel Maccor Galvanostat (4-channels per reservation, 16 qty, optional use of environmental chambers)	\$5	\$50
Malvern Dynamic Light Scattering (Particle Analyzer)	\$10	\$100
Perkin Elmer LS 55 Fluorescence Spectroscopy	\$10	\$100
Perkin Elmer Lambda 950 UV/Vis Spectrophotometer	\$10	\$100
VeraSol-2 Solar Simulator (Open air)	\$10	\$100
VeraSol-2 Solar Simulator in Glove box*	\$10	\$100
Newport Quantum Efficiency Measurement System*	\$10	\$100
Spin Coater (Glove Box-integrated)	\$10	\$100
Laurell Spin Coater	\$10	\$100
Battery glove box	\$10	\$100

Schlenk Line	\$10	\$100
Angstrom Engineering NexDep PVD (Glove box integrated)	\$20	\$200
Perkin Elmer Nexlon 2000 ICP-MS	\$20	\$200
Agilent GC-MS with Diablo Analytical Real-Time Gas Analyzer	\$20	\$200
Quantum Design 9-Tesla Dynacool PPMS with TTO, Heat Capacity, and Resistivity additions	\$10	\$200

\*Instrument procured by STF Grant. This is free to all UW undergraduate and graduate students.

Glove box sample storage are as follows:

- Shelf space x 12 inch width - \$6.30/week – First come, first serve basis, research groups are only allowed to purchase 2 spaces at a time (8 available under nitrogen and 4 available under argon)

For UW users interested in using some of our basic equipment including fume hood space, hot plates, vacuum and annealing ovens, and balances, there is a yearly lab entrance fee of \$185.53 per UW person. Safety training is required. If at any point in the year you choose to train to use paid equipment, your lab fee will be refunded based on a prorated yearly rate.