

**CASE WESTERN RESERVE UNIVERSITY
SDLE CENTER INDUSTRIAL RATES**

STAFF TIME

	<u>Hourly</u>	<u>Daily</u>
Research Technician/Engineer/Post-Doctorate	\$ 125.00	\$ 1,000

OUTDOOR SDLE SUNFARM SOLAR EXPOSURES

	<u>Monthly</u>
Sample Tray - 19 x 16 inch	\$ 125
Full Size Module	\$ 550
IV Curve Tracing	\$ 619

ALL EXPOSURES ARE SUBJECT TO A ONE-TIME \$100 SETUP FEE

(Each sample tray holds 18 samples at 4x or 5x concentration or 38 samples at 1x or 2x concentration)

INDOOR SOLAR EXPOSURE EQUIPMENT

	<u>Hourly</u>	<u>Daily</u>
All Real Apollo Solar Simulator	\$ 345.00	\$ 8,280
Newport Solar Simulator	N/A	\$ 344
Q-Lab QUV (with or without spray)	N/A	\$ 125
Q-Lab Q Sun Xe-3HS	N/A	\$ 344
Q-Lab Q Sun Xe-1	N/A	\$ 344
Spectrolab XT-30	N/A	\$ 1,650

ALL EXPOSURES ARE SUBJECT TO A ONE-TIME \$100 SETUP FEE

INDOOR ENVIRONMENTAL EXPOSURE EQUIPMENT

	<u>Hourly</u>	<u>Daily</u>
CSZ SPHS 100	N/A	\$ 1,375
CSZ SPHS 100 with light rack	N/A	\$ 1,650
CSZ ZPH-8	N/A	\$ 125
Q-Lab Q-Fog	N/A	\$ 40

ALL EXPOSURES ARE SUBJECT TO A ONE-TIME \$100 SETUP FEE

SPECTROSCOPY EQUIPMENT

	<u>Hourly</u>	<u>Daily</u>
Agilent 4300 Handeld FTIR	\$ 250.00	\$ 2,000
Agilent 630 FTIR	\$ 250.00	\$ 2,000
Agilent Eclipse Flourimeter	\$ 250.00	\$ 2,000
Filmetrics PARTS-UV Spectrometer	\$ 250.00	\$ 2,000
BYK Tri-Gloss Meter	\$ 250.00	\$ 2,000
HunterLabs MiniScan EZ	\$ 250.00	\$ 2,000
HunterLabs Ultrascan Pro Spectrometer	\$ 250.00	\$ 2,000
Konica-Minolta Colorimeter	\$ 250.00	\$ 2,000
Scattermaster Scatterscope	\$ 250.00	\$ 2,000
SemiLab WT-2000 uPCD	\$ 250.00	\$ 2,000
Spire 4600 I-V Tracer	\$ 250.00	\$ 2,000
Sinton Suns-Voc	\$ 250.00	\$ 2,000
Varian Cary 6000i UV-VIS	\$ 250.00	\$ 2,000
VUV-LPLS Spectrophotometer	\$ 250.00	\$ 2,000
Woolam VUV-VASE	\$ 250.00	\$ 2,000
Wyatt Calypso	\$ 250.00	\$ 2,000
Wyatt Dawn Heleos II	\$ 250.00	\$ 2,000

OTHER EQUIPMENT

	<u>Hourly</u>	<u>Daily</u>
Optimol SRV® 4 VAC Test System	\$ 250.00	\$ 2,000
Panel Laminator	\$ 250.00	\$ 2,000
Spin Coater/Wafer Processing	\$ 250.00	\$ 2,000
Kruss Drop Shape Analyzer	\$ 250.00	\$ 2,000
Electro Luminescence Imaging Camera	\$ 250.00	\$ 2,000
Visual Imaging Camera	\$ 250.00	\$ 2,000
Infra-Red Thermography Camera	\$ 250.00	\$ 2,000

DATA ANALYTICS (subject to change)

	<u>Monthly</u>
Data Storage (per terabyte)	\$ 425
Energy-CRADLE Cluster (per terabyte)	\$ 425
Energy-CRADLE Data Ingestion	\$ 3,400

ALL DATA ANALYTICS ARE BASED ON A MINIMUM OF 500 GIGABYTES