

Berkeley Engineering And Research, Inc.

BEAR is a California forensic engineering and sciences firm, recognized by its clients as the foremost source of experts to have as their partner. Whether it's timely insurance claim resolution assistance, product failure analyses, or complex investigations or expert testimony, BEAR has the skilled professionals to provide clients with the most cost-effective solution to any challenge.



Failure Analysis + Expert Witness + Trial Consultation + Litigation /Testimonial Support + Finite Element Analysis (*structure, mechanical, materials*) + **Fire Investigation + Mechanical Testing** (*stress, load, strength, torque, etc*), + **Fire Dynamic Simulation + Explosion Testing and Analysis + Accident Reconstruction + Electrical Circuit Analysis + Construction Defect Wet Chemistry Testing + Metallographic Testing + Full-scale Fabrication and Testing + High Speed Video/Photography + FMEA + Site Inspections + Pipeline Incidents + Product Liability and Premises Liability Offshore and Inland Marine + Custom Design for Product Development + 3D Scanning**

2020 Consulting Rates and Fees

Rate Fee Schedule	Expert	Consulting Rate	Testimony Rate
	Glen Stevick, Ph.D., P.E.	\$550 per hour	\$550 per hour
	Joseph Zicherman, Ph.D., S.F.P.E.	\$375 per hour	\$450 per hour
	David Rondinone, Ph.D., PE	\$385 per hour	\$485 per hour
	Dr. Weili Cheng, Ph.D.	\$300 per hour	\$350 per hour
	Dr. Rong Yuan, Ph.D., P.E.	\$250 per hour	\$350 per hour
	Stan Huncilman, M.F.A., CFEI	\$175 per hour	\$300 per hour
	James Johnson, M.S. Mechanical Engineer	\$175 per hour	\$300 per hour
	Mingxi Zheng, M.S., EIT Materials Engineer	\$150 per hour	--
	Derek King, B.S., Mechanical Engineer	\$150 per hour	--
	Alex Gurr, B.S., Mechanical Engineer	\$125 per hour	--
	Chelsea Torgersen-Bell, B.A., Research Analyst, Case Admin Mgr.	\$125 per hour	--
	Case & Lab Admin	\$75 - \$125 per hour	--
	Engineering Technician	\$75 - \$125 per hour	--
	Lab Technician II / Machinist	\$75 - \$150 per hour	--
	Lab Technician I	\$35 - \$75 per hour	--
	Rush charges may apply if services require rearranging previously scheduled services.		
	The retainer fee is \$5000 and will be applied to the final invoice and final costs of the project/case. If there are remaining retainer funds, they will be returned to the client.		
	The Client will be charged for Time & Materials for expert services unless a fixed fee contract is established. There is a four (4) hour minimum. BEAR implements a 30 day billing cycle, and emails invoices by the 10 th of the following month. Payment is due net 30 upon receipt. There is a finance charge of 2% per month applied to late payments.		

REIMBURSABLE EXPENSES

Expenses & Materials	Expenses (travel, lodging, meals, courier services, postage & copy services, etc) will be billed at BEAR's cost. Charges may apply for the use of lab and test equipment (see below).
Digital Photographs	\$25 per day of inspection; includes the cost of processing, storage and creating a CD or USB drive.
BEAR Work Product	Fees to be determined on a case by case basis. <i>(Includes BEAR reports, videos, and documents, etc.)</i>
Mileage	\$1 per mile. (OTHER FEES MAY APPLY – gas, bridge tolls, road tolls and parking are billed at BEARS's cost)
Evidence Storage	Storage fee is based on the cubic feet of storage required and is billed quarterly.
Evidence Handling	Hourly rate of engineer or technician performing the service.
Evidence Disposal	Disposal fee is based on size, weight, and potential for environmental hazard.
3D Printer	Fees vary to be determined per project, call for pricing.
Photogrammetry	Time & Materials.
Comprehensive Machine Shop	Time & Materials.
Facility Fees	BEAR is available to be rented for Inspections, testing/examination, depositions, and meetings. Please call for availability and pricing. (NOT applicable to BEAR expert services.)

LAB SERVICES

Description		Rate	Rate, Bulk (>5)
Material Analysis	SEM and/or EDS (includes engineer's time)	\$350/hour	--
	FTIR (Fourier-transform infrared spectroscopy)	\$60/sample	\$50/sample
	Handheld/Portable XRF Spectrometry	\$60/sample	\$50/sample
Optical	Keyence Optical Microscope (includes engineer's time)	\$300/hour	--
	Stereoscope	Engineer's time	--
	Boroscopic Equipment	\$50/day	--
Specialty Equipment	Thermal Infrared Imaging	\$50/day	--
	3D Laser Scanner	\$500/day	--
	3D Structure Light Scanner	\$500/day	--
	Battery Test	Engineer's time	--

Hardness Testing	Micro-Hardness (requires sample prep charge, see below)	\$40/sample	\$35/sample
	Rockwell Hardness	\$30/sample	\$25/sample
	Portable Rockwell Hardness File Test	Engineer's time	--
	Portable Hardness Tester	\$30/sample	\$25/sample
	Portable Elastomer Hardness (Shore A)	\$30/sample	\$25/sample
Sample Preparation and Related Work	Sample preparation, simple sectioning/mounting (includes engineer's time)	\$180/sample	--
	Sectioning, complex geometries (includes engineer's time)	Add'l \$100/sample	--
	Metallography (grinding/polishing, micrographs, documentation; equipment usage and engineer's time; no etching)	\$30/sample	\$25/sample
Unless explicitly stated, engineer's time is NOT included and will be billed separately. Above rates cover equipment and materials.			