

## Director's Building Energy Savings Challenge - Building List

Bldg No	25 Buildings Description	Building Area (GSF)	FY 2008 B BTU	FY 2009 B BTU	Notes Regarding Current & Planned Building Projects, Renovations & Modifications
2	Advanced Materials Laboratory	85,506	22.48	22.56	Lab renovations, infrastructure, ceilings, envelope repairs
6	Advanced Light Source	118,573	33.35	32.70	Accelerator power <b>excluded</b> ; dome louvers & paint, boiler, AHUs, lighting
7	Assembly, Offices & Labs (ALS Support)	21,435	1.02	0.96	None
16	Laboratories and Research Offices	11,808	1.10	1.17	Neutron Source Project pending - schedule TBD
50	Labs, Shops & Offices	48,719	4.36	4.01	Seismic, mech & elec renovation, relocations, duct seal
50A	LBNL Administrative Offices, Labs & Shops	66,628	12.27	9.37	Dom wtr htr, cooling & fan systems, boilers, electrical, renovation; 50A/B (2), duct seal
50B w/o R1275	Laboratories, Shops & Offices	46,555	7.37	8.90	Computer Center power usage is excluded; ongoing renovations including boiler replacements
50E	Offices	10,673	0.66	0.61	None
54	Cafeteria	15,451	3.36	2.17	Floor tile, boiler, doors, kitchen equip.
55	Laboratories and Research Offices	19,048	2.17	2.00	None
62	Laboratories, Shops & Offices	55,904	13.88	13.53	Lab build-outs, renovations, upgrades, HVAC, windows, chiller, roof, cooling tower, electrical
64	Laboratories, Shops, Assembly & Offices	29,357	7.27	7.38	Window mods, Crystal growth facility
66	Laboratories & Offices	44,121	11.14	11.81	Elec / Mech / Plumbing upgrades, renovation; relocations, TEAM Microscope, roof
67,67A	Molecular Foundry	97,155	30.66	32.24	Pony chiller, clean room upgrade, Transition electron microscope, robotic system
69	Shipping & Receiving, Archives, Offices	20,461	0.77	0.86	Shipping / receiving reconfigurations
70	Laboratories, Shops & Offices	63,441	19.78	18.21	Lab remodels / renovations, new fume hoods
70A	Laboratories, Shops & Offices	68,440	9.10	5.36	Lab mods, Earth Science buildout, emergency generator
76, 78	Facilities Division Offices and Shops	38,899	14.93	9.64	Renovated Shops to Offices in FY 2008/2009
77	Central EG Shops, Assembly & Labs	68,937	14.93	9.64	Recent complete HVAC and electrical upgrade; boilers, cooling, not lighting
77A	Composites Lab and Assembly Facility	12,118	0.82	0.92	None
80, 80A	Laboratories, Shops & Offices	30,872	2.77	2.65	Rooftop HVAC units, coordination with USB
84/84B	Laboratories & Offices + Utility Building	56,664	12.34	11.99	None
85, 85B	Hazardous Waste Handling Facility (HWHF)	19,006	2.23	2.50	None
88	88 Cyclotron User Facility	54,428	28.11	27.25	Process power <b>is</b> included; Electric swtchgr, lab, new CT, electronics, main magnet power supplies
90 COMPLEX	Offices	106,714	9.31	8.49	Office conversions and reconfigurations; monitoring project
<b>Totals</b>		<b>1,210,913</b>	<b>266.20</b>	<b>246.93</b>	
Percent Percent	Onsite Building Area and of Onsite Energy Consumption	67.3% 1,800-K GSF	76.6% 347-B BTU	77.6% 318-B BTU	