

Number of Users Reported by BES User Facilities

Number of Users*																						
FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	
X-ray Light Sources																						
2,551	2,523	2,413	2,206	2,299	2,256	2,105	2,219	2,128	2,214	2,229	2,313	2,453	2,367	2,372	-	-	-	-	-	-	-	-
895	907	1,023	867	741	1,007	1,124	1,151	1,147	1,361	1,436	1,515	1,597	1,675	1,556	1,626	1,641	1,729	1,752	1,761	963	1,022	
1,036	1,163	1,385	1,662	1,898	2,003	2,158	1,748	1,938	1,918	2,032	1,931	1,995	2,222	2,443	2,560	2,317	2,129	2,066	2,171	1,816	1,159	
1,527	1,989	2,299	2,767	2,773	3,215	3,274	3,420	3,279	3,537	3,796	3,986	4,360	4,542	5,017	5,331	5,521	5,742	5,704	5,426	4,323	3,686	
										359	516	571	594	612	837	1,062	766	937	529	291	720	
Neutron Scattering Facilities																						
-	-	-	-	-	-	-	24	165	307	430	890	799	726	893	845	893	764	644	758	611	483	
153	-	22	51	48	96	42	72	258	358	375	477	442	395	453	491	450	511	561	-	280	202	
25	122	164	269	339	221	297	272	261	416	325	308	249	208	187	-	-	-	-	-	-	-	
Nanoscale Science Research Centers																						
-	-	-	-	-	-	139	309	404	317	360	374	409	467	421	575	601	666	640	653	578	656	
-	-	-	-	-	-	-	164	303	209	274	327	434	451	433	677	774	866	939	1,011	740	654	
-	-	-	-	-	-	-	189	272	354	358	348	356	447	465	513	574	614	659	860	654	721	
-	-	-	-	-	-	-	112	196	305	377	368	444	454	451	529	566	598	608	599	484	702	
-	-	-	-	-	-	-	-	106	213	281	363	446	439	473	493	505	571	581	593	546	571	
Electron-beam Microcharacterization Centers****																						
83	88	103	95	128	154	140	199	153	155	190	220	206	162	139	-	-	-	-	-	-	-	
201	212	232	253	241	232	205	183	152	149	164	188	184	209	206	-	-	-	-	-	-	-	
99	97	111	112	109	150	132	159	144	161	165	210	209	210	183	-	-	-	-	-	-	-	

* A user is an individual or a member of a research team who is granted access to resources at a user facility through an approved peer-reviewed proposal.

• Each user of a BES scientific user facility is reported annually in one of two categories: On-Site User or Remote User. An On-site user is an individual who is physically present at the facility to conduct research on an approved research proposal. This is the primary category of users, who typically have been issued an access badge after completing facility requirements for registration, training, safety documentation, etc., under a user access agreement. A Remote User is an individual who remotely access the facility to produce data through computer access, or by shipping samples to facility scientist for data measurements, or by receiving custom-manufactured materials, tools, or devices from the facility scientists because the facility has unique or unusual capabilities for synthesis or fabrication. For all three types of Remote Users, only one user is to be counted per proposal regardless of the number of co-investigators, and only if there was no On-Site User under the same proposal. Starting in FY 2020, remote access user also includes researchers who participated remotely during the experiment such as conferencing with beamline/facility staff and/or with on-site user(s) by providing direction for the measurements. For user research that involves a combination of on-site and remote access users, both the on-site and the remote access users are counted.

• For annual totals, an individual is counted as 1 user at a particular facility no matter how often or how long the researcher conducts experiments at the facility during the fiscal year. Users do not include individuals who pay to have specialty services performed or visit the facility for tours or educational purposes. Users also do not include researchers who collaborate on the proposal or subsequent research papers but do not conduct experiments at the facility.

**The High Flux Isotope Reactor (HFIR) was down for maintenance, safety standowns, and upgrades for significant periods during FY01–FY07. HFIR's users include researchers who perform neutron scattering (figures shown above). HFIR also delivers services such as neutron activation analyses and materials irradiation.

***The NSLS ceased operations at the end of FY14. The newly constructed NSLS II transitioned from a construction project to operations in FY15. FY16 is the first full year of operations for NSLS-II.