

University of Houston
Air Conditioning Cooling Load, Present and Future

Facility	Type of Building	Size (GSF)	Diversified Cooling Load Contribution (tons)
Existing Buildings			12,700
Board Approved Buildings:			
Calhoun Lofts	Residence Hall	569,000	1,000
Cemo Hall	Classroom	34,000	80
SERC Buildout (Existing Shell Space)	Research Labs	50,000	250
Fleming Hall Addition	Classlabs/Research Labs	60,000	300
Stadium Addition	Stadium Suites/classrooms	133,700	250
Freshmen Housing-Phase 1	Residence Hall	339,000	595
Valenti Addition	Classrooms/Studios	10,000	25
Bauer 3	Classrooms/Offices	87,000	200
EN Student Services	Classrooms/Offices	102,000	250
Freshmen Housing-Phase 2	Residence Hall	339,000	595
Optometry	Classrooms/ Research Labs/ Clinics	137,000	690
TOTAL			16,935

Total Load Approved Buildings- 2475 Tons

Total Load Upcoming Projects- 1760 Tons

Cooling Capacity of Utility Plant:

Existing Firm Capacity	14,000 tons
Proposed Firm Capacity	18,500 tons
Existing Total Capacity	19,000 tons
Proposed Total Capacity	23,500 tons