Existing Buildings						
Building (Alphabetical)	**Low-end Load, April-Oct**	**High-end Load, April-Oct**	**Type of Summer Load**	**Load Convertible to Hot Water**	**Compatability of Load**	**Engineering Questions**
*Alumni Gym**	*3674*	*12872*	*hot water, chilling*	Yes (existing tanks)	Very Good	Yes
Collis Student Center	*884*	*5613*	*hot water (kitchen, serving line)*	Yes	Good	
Fairchild Physical Sciences Center	*1381*	*8857*	*hot water, a/c, reheat*	Yes (reheat in Wilder)	Good	Some logistics (size of array, etc)
Hanover Inn	*1066*	*25128*	*hot water, a/c, cooking*	Yes (hot water intensive)	Good	No
*Co-Generation Plant (McKenzie Hall)**	*126*	*2147*	*no summer load (line loss)*	Yes (make-up water)	Very Good	Makeup data
Thompson Arena	*565*	*5577*	*hot water, chilling*	Yes (snow melting, zamboni)	Good	How many times resurfaced in summer
Vail Hall	*5777*	*38142*	*hot water, a/c, humidification, reheat*			Space tight (depends on needed eq)
Alexis Boss Tennis Center	617	3339	hot water			
Berry Library	5570	20863	hot water, humidification, reheat			
Berry Sports Center	541	3940	hot water			
Building 50	816	1783	hot water			
Burke Chemistry Laboratory	4013	28000	hot water, a/c			
Byrne Hall	885	3322	hot water, steam tables (?), reheat			
Central Chilling Plant	9653	95865	a/c			
Cummings Hall	1993	11851	hot water			
Gilman Life Sciences Laboratory	5000	12000	hot water, a/c, reheat			Work around greenhouses?
*Hitchcock Hall**	*50*	*900*	*hot water*			
Hood Museum of Art	3000	6000	hot water, heating, humidification, a/c			
Hopkins Center	953	13160	hot water, humidification			Yes
Hopkins Center A/C	0	11705	a/c			
Leverone Fieldhouse	676	9570	hot water			
Moore Psychology Building	1300	17239	hot water, humidification, reheat			
Murdough Center	1711	21813	hot water, a/c, humidification			
*New Hampshire Hall**	*334*	*2836*	*hot water*	Yes	Good	
Remsen Hall	681	6041	hot water, humidification			
Steele Hall	1000	5000	hot water, humidification, reheat			
Sudikoff Laboratory for Computer Science	1000	8000	hot water, humidification			
*Thayer Dining Hall**	*3675*	*10500*	*hot water, cooking, humidification*			
*Topliff Hall**	*217*	*2936*	*hot water*			
Webster Hall	1972	7395	hot water, humidification			
Whittemore Dormitory	1000	5350	hot water			
*Buildings suggested by Jack Wilson			*cold days/nights, some steam is used for heat			Look into tours of Fairchild, Power Plant
Builidngs in italics are those to be looked at in further detail						
Planned Buildings	**Load Amount**	**Load Type**	**Roof Design/Solar Aspect**	**Hot Water/ A/C Equipment**		
Thayer Dining Hall replacement	very big	hot water (kitchen, dishwas	Good		lots of time to think	
New Life Science building	huge	chillers (900 tons), reheat, hot water			merits further investigation, could get more info	
New soccer facility	negligible	periodic (locker rooms)				
New Visual Arts Center	not big	a/c, heat (?), hot water	south side open for panels	radiant floor heating	opportunities… roofscape designed for north light	
Real Estate Office projects						
Maclean Engineering	?	?	Excellent			
McLaughlin Dormitory Cluster			Good (SE/SW)			
	Get cost estimate of hot water chillers, reheat load					

Structural Concerns	Solar Aspect	Visual Concerns	Shading	Upgrades Scheduled	Notes					
Yes	Very Good	Yes	No	Mostly Complete	Actual equipment located on the Davis side of Alumni Gym					
Yes	Very Good	Yes (inside)	Yes	Yes	Decent test-bed, small load, afternoon sun only					
No (new bldgs)	Good (flat)	No	No	No	May be good place for informational display on active solar installations, good reheat loads in other 3 buildings (Burke, Steele, Wild					
No	Good (flat)	No	No		Contact Inn directly, not under FO&M					
?	Good	No	No (?)	Yes (boiler 2)	currently mixing 60 degree water with make-up water... look into exact savings possible					
Yes	Excellent	No	No	No	50 days of ice-making may be limiting					
No	Good (flat)	No	No		Med School run and operated					
No	Excellent (flat)	No	No							
Diff. Mounting	V. Poor		Yes							
	Unclear	No								
	Good, but..	No	No							
Yes	Good, odd	No	No							
	Excellent	Maybe	No							
	Good	No	Some							
Yes	Decent	No	Slight		Difficult access (top floor is rooms)					
	Decent (SW)	No	Some							
Yes	Unknown	No	Some		Difficult access (top floor rooms)					