LAGRAN	GE COL	LEGE B	UILDING	Ĩ
SCHEDULIN	G AND	TEMPEF	RATURE	SET
	POINT	POLICY		
	CON	ТЕХТ		
 LaGrange College seeks and living. As a signatory to the An LaGrange College is con approximately 80% of v Energy costs are a signite 	to maintain build nerican College an nmitted to reducir which are the resu	ings that are comfo d University Presid ng campus greenhou It of energy use in l e expense at LaGrau	lents' Climate Comn use gas emissions, puildings.	nitment,
 approximately nearly \$ The majority of this energy (approximately 55%). Standardizing temperate environmental savings: 	ergy use goes towa	ards cooling and hea	0 0 1	
Temperature Standardization	Est. Annual Natural Gas \$ Savings	Est. Annual Electricity \$ Savings	Approx. Annual Total \$ Savings	Est. Annual Greenhouse Gas Emissions Reduction (metri tons CO2e)
Summer Current Avg: 68F Summer Standardized: 70F Winter Current Avg: 75F Winter Standardized: 73F	\$ 14,329	\$ 10,632	\$ 25,000	236 (~3%)
Summer Current Avg: 68F Summer Standardized: 72F Winter Current Avg: 75F Winter Standardized: 71F	\$ 27,312	\$ 19,684	\$ 47,000	448 (~5%)
Summer Current Avg: 68F Summer Standardized: 74F Winter Current Avg: 75F	\$ 44,214	\$ 28,387	\$ 73,000	671 (~8%)

PURPOSE

17 The purpose of this policy is to set clear and consistent standards for LaGrange College's building

- 18 schedules and temperature set points in order to optimize occupant comfort and reduce energy
- 19 waste.

20

22

POLICY

21 This policy applies to all LaGrange College campus buildings.

BUILDING SCHEDULES

Times in the below schedule that are marked as "Occupied" means that temperatures will bemaintained at Occupied set points.

- 25 During summer, occupied times will begin one (1) hour earlier on Monday mornings.
- 26 Summer schedules will begin the day after Commencement. Summer will end between August 10
- and 15, depending on the school calendar. Building occupants should use the Monthly Building
- 28 Scheduling Meeting to make specific adjustments to the start of summer scheduling.

29 Occupied times for campus buildings shall be as follows:

30

			Fall/Spring	
	Summer	Fall and Spring	Weekends	Holidays
			Unoccupied	Unoccupied
Manget	6a - 10a	6a - 5p	Mode	Mode
			Unoccupied	Unoccupied
Marriotti	Occupied Mode	Occupied Mode	Mode	Mode
			11am to 4pm	
			Saturday	
		6a - 10p (Close at	2pm – 10pm	Unoccupied
Lewis Library	6a - 8p	5pm on Friday)	Sunday	Mode
	Unoccupied Mode	Unoccupied Mode	Unoccupied	Unoccupied
Chapel	with override	with override	Mode	Mode
			Unoccupied	Unoccupied
Callaway Science	6а - Зр	6a - 8p	Mode	Mode
Callaway Academic			Unoccupied	Unoccupied
Building	6a - 10a	6a - 5p	Mode	Mode
			Unoccupied	Unoccupied
Quillian	8a - 5p	8a - 5p	Mode	Mode
			Unoccupied	Unoccupied
Hawkes Hall Education	6a - 5pm	8a - 7p	Mode	Mode
			Occupied	Unoccupied
Hawkes Hall	Unoccupied Mode	Occupied Mode	Mode	Mode
			Occupied	Unoccupied
Pitts Residential	Unoccupied Mode	Occupied Mode	Mode	Mode

	6a - 5p with	6a - 5p with	Unoccupied	Unoccupied
Smith Hall Offices	overrides	override	Mode	Mode
	6a - 5p with	6a - 8p with	Unoccupied	Unoccupied
Smith Hall	overrides	override	Mode	Mode
Shinen Han	overnides	overnae	Unoccupied	Unoccupied
Candler Cottage	8a - 5p	8a - 5p	Mode	Mode
candler cottage	0d - 5p	oa - Jp	Occupied	Unoccupied
Boatwright Hall	Unoccupied Mode	Occupied Mode	Mode	Mode
Doatwingitt Hall			Unoccupied	Widde
Turner Hall Assembly	Unoccupied Mode	6a - 10p (with	Mode (with	Unoccupied
-	(with override)	override)	override)	Mode
room	(with overnue)	overnue)		
Turne en Hell Demus		Occurried Maria	Occupied	Unoccupied
Turner Hall Dorm	Unoccupied Mode	Occupied Mode	Mode	Mode
		C 10 (11)	Unoccupied	
	Unoccupied Mode	6a - 10p (with	Mode (with	Unoccupied
Turner Hall	(with override)	override)	override)	Mode
			Occupied	Unoccupied
Henry Dorm	Unoccupied Mode	Occupied Mode	Mode	Mode
			Occupied	Unoccupied
Candler Dorm	Unoccupied Mode	Occupied Mode	Mode	Mode
			Occupied	Unoccupied
Hawkins Dorm	Unoccupied Mode	Occupied Mode	Mode	Mode
			Unoccupied	Unoccupied
Alumni House	Unoccupied Mode	Unoccupied Mode	Mode	Mode
			Unoccupied	Unoccupied
Price Theater	6a - 11a	8a - 10p	Mode	Mode
Lamar Dodd Art Center			Occupied	Occupied
Gallery ¹	Occupied Mode	Occupied mode	Mode	mode
Lamar Dodd Art Center			Unoccupied	Unoccupied
Lecture	Unoccupied Mode	8a – 5p	Mode	Mode
			Occupied	Occupied
Lamar Dodd Art Center	Occupied Mode	Occupied Mode	Mode	Mode
Callaway Education				Unoccupied
Building	6a - 5p	6a - 8p	6a – 12p	Mode
Callaway Education				Unoccupied
Building (Addition)	6a – 5p	6a — 10p	6a – 6p	Mode
			Unoccupied	Unoccupied
Natatorium	6a - 5p	6a - 5p	Mode	Mode
			Unoccupied	Unoccupied
Auditorium	6a - 10a	6a - 5p	Mode	Mode
			Unoccupied	Unoccupied
Banks Building	6a - 5p	6a - 5p	Mode	Mode

31

¹ Schedule will be reevaluated after renovation in summer 2012.

- 32 "Override" is the capacity to temporarily set an Unoccupied space to Occupied Mode via the space
- thermostat. When override is applied, the HVAC system will condition the space to Occupied
- 34 temperature set points for a limited span of time. Override can be applied as many times as desired
- 35 as long as an occupant is using the space.

36 EVENING COLLEGE AND GRADUATE EDUCATION COURSES

37 In order to minimize the heating and cooling of spaces with only a few occupants, Evening College

38 and Graduate Education courses will only be offered in Callaway Science Building, first floor of

39 Hawkes, Smith Hall and Lewis Library. Selected other courses will be offered on the Callaway

40 Campus as required, subject to approval of the Provost.

41 MONTHLY BUILDING SCHEDULING MEETING

- 42 The last Monday of each month, a meeting will be held to review building controls schedules with
- 43 representatives from Alumni and Community Relations, Special Events, Physical Plant, Registrar,
- 44 Athletics, Music, Art, and Theater.²

45

TEMPERATURE POLICY

46 The American Society of Heating and Refrigeration Engineers (ASHRAE) publishes guidelines on

47 optimal space temperatures for human comfort (Standard 55 - Thermal Environmental Conditions

48 for Human Occupancy). ASHRAE's guidelines are as follows:

Summer	Winter	
74 – 79 F	69 – 74 F	

49

- 50 Using the experience of LaGrange College personnel and ASHRAE Standard 55, optimal campus
- 51 building temperatures were developed. The temperature set points for all spaces shall be:

	COOL	HEAT	
Occupied	Classroom – 74F	68 F	
	Other spaces – 75F		
Unoccupied	85 F	55 F	

Additionally relative humidity shall be maintained below 60% per U.S. Environmental Protection

53 Agency recommendations.³

54 Separate standards will be set for spaces where the above temperatures and humidity levels

55 **may lead to damage to materials or equipment.**

² Participant suggestions: Alumni and Community Relations (Martha Pirkle), Special Events (Tammy Rogers), Physical Plant (Michael Coniglio), Registrar (Jimmy Herring), Athletics (John Hughes), Music(Ann Sellman), Art (Dawn Briggs), Theater (Lori Knopp)

³ <u>http://www.epa.gov/iedmold1/prevention.html</u>

- 56 Building occupants should expect temperatures to naturally drift to a few degrees above and below
- 57 (+/- 2 F) these set point temperatures due to system cycling and equipment calibration.
- 58 If there are physical problems with a space that are causing thermal discomfort, please notify
- 59 LaGrange College Physical Plant staff so they can take appropriate action.

60	SPACE HEATERS
61 62 63	Supplemental space heaters shall not be used between May 31 and October 1. Due to City of LaGrange electric rate structures, running a space heater during these summer months can incur significant demand charges over a full calendar year.
64	EFFECTIVE DATE

This policy will become effective April 11, 2012.