

INDIANA STATE UNIVERSITY
DEPARTMENT OF FACILITIES MANAGEMENT
2016-2017 ANNUAL REPORT



951 SYCAMORE STREET – TERRE HAUTE, IN 47809
(812) 237-8100

**The cover picture for this year's Annual Report is of the newly constructed addition to the
Center for Health and Human Performance Building
by RATIO Architects.**

2016 - 2017

FACILITIES MANAGEMENT ANNUAL REPORT

**FACILITIES MANAGEMENT DEPARTMENT
INDIANA STATE UNIVERSITY
951 SYCAMORE STREET
TERRE HAUTE, IN 47809
(812) 237-8100 FAX: (812) 237-7630**

**KEVIN L RUNION,
ASSOCIATE VICE PRESIDENT FOR FACILITIES MANAGEMENT
UNIVERSITY FINANCES AND ADMINISTRATION
INDIANA STATE UNIVERSITY**

-PLEASE PRINT HARDCOPIES USING RECYCLED PAPER-

**FACILITIES MANAGEMENT
DEPARTMENTAL HISTORY
2016-2017**

2016-2017 marks the 96th. Anniversary of the department's formation as a separate, professional entity serving the Indiana State University community.

Prior to its formation, responsibilities for maintaining our physical environment were given to various faculty members.

On July 1, 1921, the Indiana State University Board of Trustees created a department known as Buildings and Grounds, recognizing the growing importance of maintaining stewardship responsibilities for our campus facilities.

Carl Muehler became the first official Superintendent of Buildings and Grounds, in 1921 at an annual salary of \$2,100. He served in that capacity for fifteen years, retiring in 1936. From 1936 through 1948, Richard M. Roehm held the position.

In 1948 following World War II, the department's name was officially changed to Physical Plant and Boiler Room. It's director, Ray Bower, served in this position for only two years until 1950.

Again in 1950 the department's name changed and once again became Building and Grounds until 1970. During this twenty year period, four individuals served as department heads; 1950-1952 Ira Stout, 1952-1955 Richard Clifton, 1955-1960 Harry Bucholtz, and finally Ralph Dinkel, a local Vigo County engineer served as director from 1960 through 1970. With the departure of Director Ralph Dinkel, the Acting Director for one year became John White.

In 1971 Tom Dawson (died: July 18, 2014), a professional engineer with Indiana University-Bloomington's Physical Plant, joined the ISU staff as Director. He remained Director for thirteen years retiring to golf, travel, and photography in 1984.

Since 1984 Kevin L. Runion, registered architect, and registered landscape architect has served the University first as Campus Architect and Associate Director, Director, then Assistant Vice President for Facilities Management, and today as Associate Vice President for Facilities Management.

In 1986 the department's name was changed from Physical Plant to the Department of Facilities Management. During the department's 96 year history, not only has the department grown to reflect the growth within the University itself, but more importantly its growth indicates the increased importance the campus community places on stewardship of its resources in maintaining a quality environment for learning, teaching, and research.

In January 1997, the Department of Facilities Management was transferred from Business Affairs to the Division of Administrative Affairs, reporting to then Vice President Robert Schafer (Retired: June, 2006).

Five years later in August 2002, the Department of Facilities Management was transferred back to the Vice President for Business Affairs and Finance, reporting to Vice President Gregg Floyd (originally from Indiana University-Bloomington).

Then in July 2008 following Vice President Gregg Floyd's departure from ISU to Kent State University; then Budget Director and ISU alum Diann McKee with over 29 years of service with the University was named Vice President for Business Affairs and Finance and University Treasurer, effective December 5, 2008. In 2016, her title was modified to Senior Vice President for Finance.

**INDIANA STATE UNIVERSITY
FACILITIES MANAGEMENT DEPARTMENTAL DIRECTORS**

1921-1936.....(15 years).....Carl Muehler, 1936-1948.....(12 years).....Richard M. Roehm
1948-1950 (2 years)....Ray Bower, 1950-1952....(2 years).....Ira Stout
1952-1955.....(3 years).....Richard Clifton, 1955-1960.....(5 years).....Harry Bucholtz
1960-1970.....(10 years).....Ralph Dinkel, 1970-1971.....(1 year).....(Acting Director) John White
1971-1984.....(13 years).....Tom Dawson,
1984-Present.....(33+ years) Kevin L. Runion

MISSION STATEMENT

We plan, develop and maintain the physical environment and provide services which enhance Indiana State University's mission of teaching, research, life long learning, and public service
In support of our students, faculty, staff, visitors, and the Terre Haute community.

**VISION STATEMENT
-SERVICE-**

We constantly seek creative, visionary, and innovative solutions
to better meet the ever changing campus needs.
We strive to create, promote, and maintain a safe and healthful campus environment.

-QUALITY-

We expect a high quality of integrity, performance, and professional behavior.
We take pride in the appearance and quality of our campus facilities.

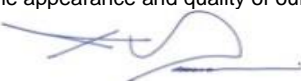

Kevin L. Runion, Associate Vice President

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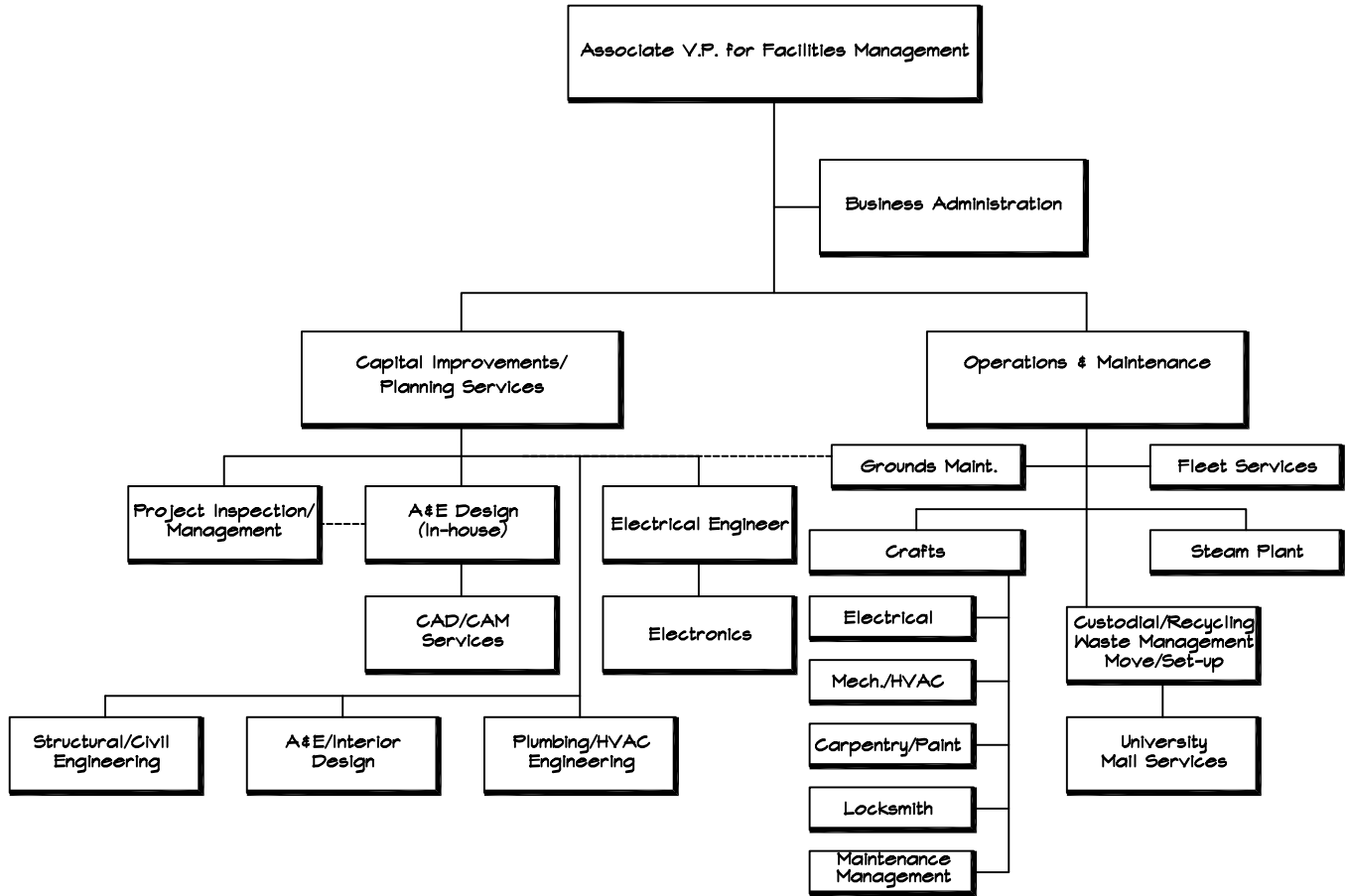
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I.

PERSONNEL INFORMATION

Indiana State University

Department of Facilities Management
2016 - 2017



**FACILITIES MANAGEMENT DEPARTMENT
2016 - 2017 ANNUAL REPORT
CUSTODIAL & SPECIAL SERVICES EMPLOYEES LIST (AS OF JUNE 30, 2017)**

INDIANA STATE UNIVERSITY

DEPT / NAME	START DATE	DEPT / NAME	START DATE	DEPT / NAME	START DATE
FULL TIME CUSTODIANS (62)			RECYCLE / MOVERS (11)		
Anderson, Thomas +	04-10-00	Norris, Rickie +	11-27-00	Attebery, Elizabeth +	02-24-98
Atterson, Pamela	10-06-08	Norris, Rodney +	01-02-01	Gilliland, Michael +	09-28-94
Auler, Carol Ann +	08-15-05	Pettit, Lorri +	11-01-04	Griffie, Kenneth	10-02-10
Bays, Shirley +	11-04-02	Pittman, Floyd (Dexter) +	01-22-01	Lingenfelter, Gary R. +	10-02-95
Bemis, Randy	10-22-07	Pittman, William +	01-22-01	Lowe, James M. +	06-13-88
Benjamin, David +	04-14-03	Reed, Paul A. +	03-09-82	Rotman, Joseph +	08-02-99
Bentley, Renee	08-01-11	Rooksberry, Marcia	10-10-11	Royal, George (Rick)	03-07-16
Boyer, Evan	11-17-06	Sawtelle, Edward +	11-30-98	Schaaf, Charles (Chuck)	10-12-15 ¹
Bradbury, Linda +	11-10-03	Schaaf, Janetta	10-12-15	Sharp, William	10-03-11
Bridgewater, Von N. +	08-31-87	Seymour, Harold R. +	12-10-79	Shivers, Dawnar	09-02-08
Budd, Alberta L. +	09-26-01	Shepard, Thomas +	12-01-97	Sinclair, Phillip +	01-03-05
Clingerman, Susan	05-07-07	Smith, Gina	06-03-13		
Daniels, Darla +	08-26-96	Smith, Karen +	07-06-04		
Day, Lorra	10-24-11	Tevlin, Mary +	07-24-00	UNIVERSITY MAIL SERVICES (4)	
Dickerson, Julie D. +	11-18-02	Turner, Deborah	07-22-13	Compton, Teddie	01-18-11
Edington, Kenneth	02-06-16	Utterback, Debra	11-17-14	Harrison, Lisa +	03-21-05
Evans, Christopher	01-09-14	Weathers, Coleman (Cole)	03-12-16	Hughes, Sheri +	07-05-05
Evinger, Dusty D. +	07-27-82	Wheeler, Flora +	10-02-00	Strain, Melissa	07-26-16 ¹
Fell, Michael	09-07-10	Wood, Ricky L. +	06-20-88		
Firestone, Jim L. +	07-22-02	Woolard, Deborah +	12-01-03		
Goodridge, Lester (Thomas)	11-02-15	Wright, Gail	08-15-11	CLERICAL (1)	
Grindle, Melinda	11-29-10			Wagner, Neal	7-25-11
Hall, Michael	03-28-11				
Hart, Dianne	07-15-13				
Heyen, Rick L. +	03-09-82			TEMPORARY EMPLOYEES (6)	
Hill, Robert +	03-08-04			Clodfelter, Daniel **	01-12-09
Hoehn, Scott	03-14-16			Jackson, Justin **	06-10-08
Howard, Mary +	12-06-99			Long, Adam **+	10-08-01
Jackson, Stacey J. +	10-15-01			Smith, Jack **+	05-09-05
Johnson, James +	06-26-00			Wallace, Brian **	02-26-07
Jones, Linda	08-01-11			Scott, Michael **	04-30-08
Kahl, John +	10-23-78				
Keegan, John J. +	11-12-90				
Keltner, Gary F. +	11-13-89			PART-TIME TEMP CUSTODIANS (3)	
Kite, Leonard	09-02-08			Bemis, Linda **	11-03-14
Lewis, Cherie K. +	08-18-83			Carter, Rhonda **	07-28-14
Lore, Mara +	11-15-04			Davis, Stefany **	11-10-14
Luczak, Mark	09-08-14				
McMillen, Nellie +	08-18-80				
Myers, Michael	05-07-07				
Nickle, Brenda	11-20-06				
TOTAL FULL TIME EMPLOYEES:			78		
**TEMPORARY EMPLOYEES:			9		
+ INDICATES 10 YEARS OR MORE OF SERVICE:			46	% WITH 10 OR MORE YEARS:	53%

¹Worked here previously.

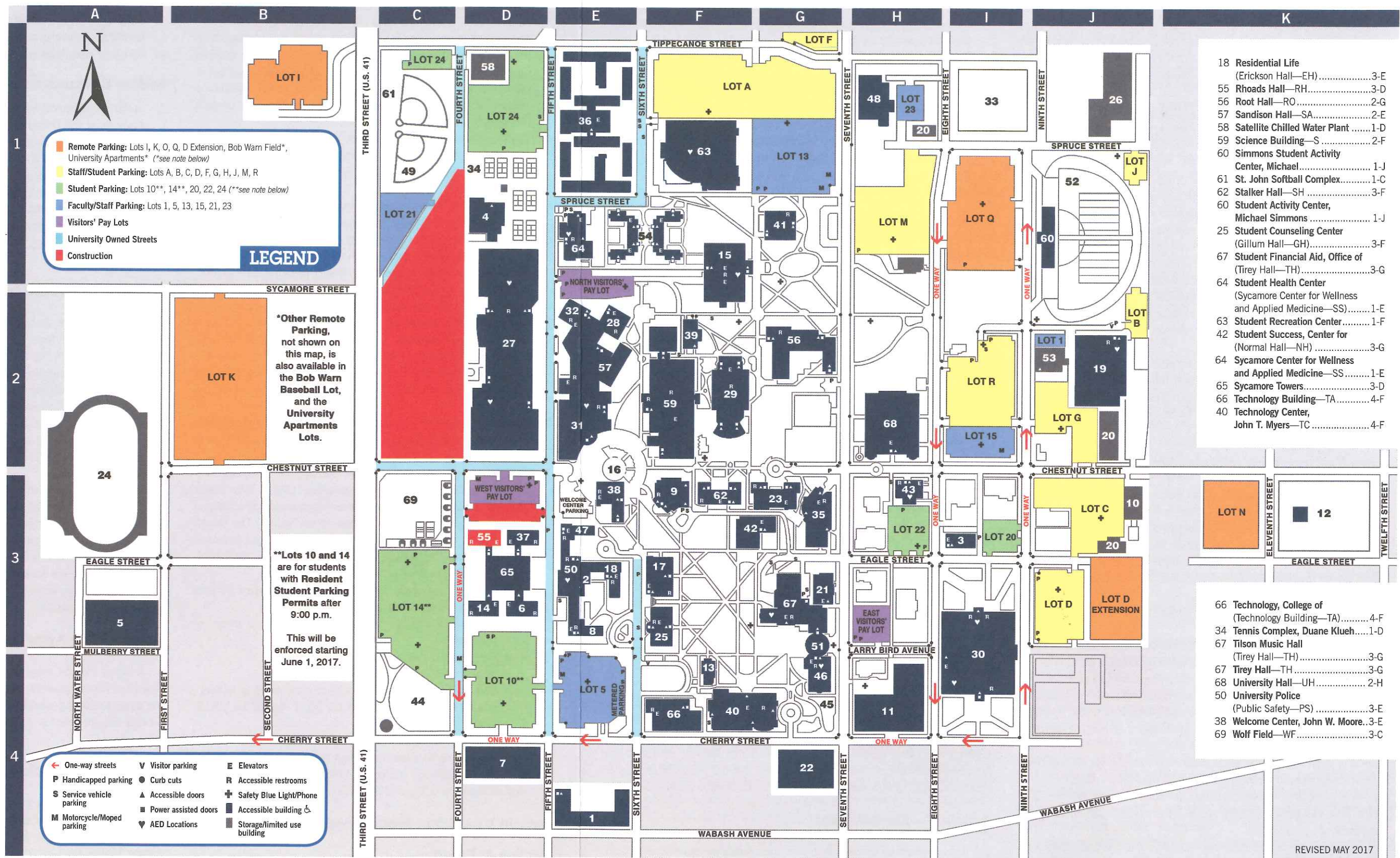
II.

BUILDING INFORMATION

INDIANA STATE UNIVERSITY MAIN CAMPUS

BUILDING LIST

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- 38 Welcome Center, John W. Moore...3-E
- 69 Wolf Field—WF3-C

REVISED MAY 2017



BLDG #		** METERS			GROSS SQUARE FEET	ASSIGNED SQUARE FEET	ACQUIRED DATE	RESPONSIBILITIES & TYPE OF UTILITIES
		E	C	S				
ACADEMIC BUILDINGS		E	C	S				
520	African American Cultural Center	*			8,200	5,396	1995	1,2,5,6,7
536	(IU) 8th Street Facility	*			4,500	3,700	1976	1,3,5,6
380	Arena / HHP/ NHHS (Under Renovation 2016-2017)	*			293,846	176,963	1962	1,2,3,4,6
570	Art Annex West	*			13,800	12,732	1972	1,2,5,6,7
055	Athletic Annex West	*			53,000	52,000	2015	1,5,6,7
288	Career Center (former Student Computing Center)	*			12,930	8,284	1993	1,2,3,4,6,10
442	Center for Multi-Media Services	*			2,783	1,100	1969	1,2,4,6,7
202	Dreiser Hall	*			51,809	28,943	1950	1,2,3,4,6,10
196	Fairbanks Hall	*			17,760	13,292	1979	1,2,3,4,7
330	Federal Hall (Scott College of Business)	*			90,000	63,000	2011	1,2,3,4,6,10
276	Fine Arts Building	*			63,379	36,989	1940	1,2,3,4,6,10
200	Gillum Hall	*			48,830	31,814	1950	1,2,3,4,6,10
360	Holmstedt Hall	*			99,324	50,898	1966	1,2,3,4,6,10
290	John W. Moore Welcome Center	*			22,847	13,226	1956	1,2,3,4,6,10
922	Kiewig Residence	*			3,338	3,338	1984	1,2,5,8
262	Landsbaum Center for Health Ed	*			34,170	20,835	2003	1,2,5,7
550	Library, Cunningham Memorial	*			172,356	134,172	1973	1,2,3,4,6,10
128	Myers Technology Center	*			110,000	74,500	1997	1,2,3,4,6,10
272	Normal Hall	*			40,688	30,789	1910-57	1,2,3,4,6,10
260	Nursing, College of	*			40,083	21,655	1970	1,2,3,4,6,10
278	Richard G. Landini Center for Performing and Fine Arts	*			41,604	26,432	1997	1,2,3,4,6,10
555	Root Hall	*			94,620	64,250	1989	1,2,3,4,6,10
362	Science Building	*			260,192	125,582	1960-68	1,2,3,4,6,10
364	Science North	*			6,535	3,997	1986	1,2,3,4,6
904	Stadium (Concession Stands, Club Room & Press Box)	*			6,279	4,200	1966-70	1,2,5,6,7,9
902	Stadium Dressing Room	*			9,606	5,500	1970-79	1,2,5,6,7
284	Stalker Hall	*			46,972	28,616	1954	1,2,3,4,6,10
564	Sycamore Cnt. For Wellness and Applied Medicine	*			54,476	33,892	1971	1,2,3,4,6
900	Sycamore Outdoor Center	*			2,910	1,800	1965-89	1,5,7,8,9
126	Technology (A)	*			51,962	36,403	1980	1,2,3,4,6
542	Theatre (New)	*			12,971	7,994	1966	1,2,3,4,6
194	Tilson Hall	*			23,621	12,000	1940	1,2,3,4,6,10
192	Tirey, Heritage Lounge / Ballroom	*			95,257	52,078	1940	2,3,4,6,10
340	University Hall (Bayh College of Education)	*			157,119	94,591	1935/2009	1,2,3,4,6
University Pavilion:								
188	Parsons Hall	*			45,115	23,766	1993	1,2,3,4,6,10
190	Rankin Hall	*			37,337	22,147	1993	1,2,3,4,6,9,10
ACADEMIC BLDG. SQ. FT. (37)					2,130,219	1,326,874		
AUXILIARY BUILDINGS		E	C	S				
721	Hazardous Waste Recycling (Former Morge Bldg)	*			8,966	8,050	1983	5
500	Commons (Food Court)	*			51,428	36,682	1991	6,7
122	Condit House (Home of the University President)	*			12,082	7,011	1962-68	1,2,3,4,6
300	Facilities West (Sherwin Williams Storage)	*			45,660	45,660	2016	
N/A	Flight Academy	*			22,152	22,152	2013	
170	Hulman Center	*			174,011	115,549	1973	3,4,6,10
558	Hulman Memorial Student Union	*			98,303	66,112	1963-89	3,4,6
525	Michael Simmons Student Activity Center	*			3,000	1,600	2005	1,2,5,6,9
601	Student Recreation Center	*			190,450	80,000	2008	1,3,4,6
AUXILIARY BLDG. SQ. FT. (9)					606,052	382,816		
ADJACENT BUILDINGS (AREAS NORTH OR EAST OF CAMPUS)		E	C	S				
N/A	219 North 11th Street (Community Gardening Initiative)	*			1,696	1,187	2007	1,5,6,7
N/A	936 North 7th Street (Mullens Guest House)	*			2,680	1,876	2006	1,5,6,7
N/A	Theater Storage Bldg.	*			6,147	6,147	2012	7,8
N/A	720 Elm Street	*			1,500	1,100	2005	7,8
ADJACENT BLDG. SQ. FT. (4)					12,023	10,310		
SERVICE BUILDINGS		E	C	S				
531	Central Heating Plant	*			44,603	5,019	2001	1,2,3,4,6
165	Central Chilled Water Plant	*			11,634	144	1992	1,5,6,7
N/A	Cherry Street Parking Garage	*			310,086	310,086	1991	5,6
624	Satellite Chilled Water Plant	*			7,220	7,220	2011	1,2,4,6,7,10
400	Facilities Management & Purchasing	*			58,726	56,500	1983	1,2,5,6,7
402	Facilities Management Annex/Custodial	*			4,960	4,200	1983	1,2,5,6,7

BLDG #		** METERS			GROSS SQUARE FEET	ASSIGNED SQUARE FEET	ACQUIRED DATE	RESPONSIBILITIES & TYPE OF UTILITIES
		E	C	S				
404	Facilities Management Annex II (Recycling Center)				5,483	5,000	1991	1,2,5,6,7
248	Facilities Management Bldg. #1 (Moving & Set-up Storage)				2,700	2,565	1975	1,5
515	Grounds Maintenance Bldg.	*			38,440	30,000	1997	1,2,4,6,7
940	Hardware Supply (To Be Razed 2016 - 2017)	*			15,000	10,500	2004	1,2,5,6
271	Stadium (Storage Only)				1,059	900	1969	1,5,7
	SERVICE BLDG. SQ. FT.(11)				499,911	432,134		
RESIDENCE HALLS		E	C	S				
220	Blumberg Residence Hall	*			87,732	61,968	1964	3,4,6
210	Burford Residence Hall	*			59,912	43,728	1959	3,4,6
222	Cromwell Residence Hall (under Renovation 2016-2017)	NA			87,378	61,608	1964	3,4,6
212	Erickson Hall	*			78,690	41,035	1962	1,2,3,4,6,10
914	Family Housing - Unit 1	*			59,464	43,976	1964	5,6,7
916	Family Housing - Unit 2	NA			75,099	51,531	1967	5,6,7
918	Family Housing - Unit 3	NA			97,784	72,063	1969	5,6,9
920	Family Housing - Unit 4	NA			107,612	81,618	1971	5,6,9
454	Hines Residence Hall	*			70,431	46,885	1966	3,4,6,10
456	Jones Residence Hall	NA			70,431	46,885	1966	3,4,6
770	Lincoln Quad - North	*			81,202	50,584	1969	3,4,6
640	Lincoln Quad - South	NA			79,242	49,524	1969	3,4,6
300	Mills Residence Hall	NA			87,610	61,590	1965	3,4,6
292	Pickel Residence Hall	*			59,823	40,676	1963	3,4,6
565	Reeve Residence Hall (East)	*			64,000	45,000	2014	3,4,6
560	Reeve Residence Hall (West)	*			64,000	45,000	2014	3,4,6
320	Rhoads Residence Hall	NA			86,760	60,888	1965	3,4,6
450	Sandison Residence Hall (Under Major Renovation 2009 - 2010)	NA			64,707	44,422	1962	3,4,6
	RESIDENTIAL LIFE SQ. FT. (18)				1,381,877	948,981		
	TOTAL NUMBER OF MAJOR BUILDINGS:				78			
	TOTAL SQUARE FT OF BUILDINGS:				4,630,082			
	NUMBER OF BLDGS. SERVED 10 YRS AGO, 2006 - 2007:				72			
	TOTAL SQ. FT. OF BLDGS SERVED 10 YRS AGO				4,341,089			
* Properties North or East of Campus NOT Included								
CLASSIFICATION OF BUILDINGS:		E	C	S	2016 - 2017	2016 - 2017	2006-2007	
	Academic (37)				2,130,219	1,326,874	1,552,191	
	Adjacent (4)				12,023	N/A	N/A	
	Auxiliary (8)				606,052	382,816	227,993	
	Service (11)				499,911	432,134	133,782	
	Residence Hall (18)				1,381,877	948,981	817,946	
TYPE OF UTILITIES/RESPONSIBILITIES:		E	C	S				
	1. Facilities Management Maintenance				2,422,959			
	2. Facilities Management Custodial				2,324,996			
	3. Central Heating System				3,697,170			
	4. Main Electrical Distribution				3,238,388			
	5. Isolated Electrical Distribution				506,317			
	6. Water and Sewage				3,808,272			
	7. Isolated Gas Heat				299,893			
	8. Isolated Oil Heat				30,616			
	9. Isolated Electric Heat				250,804			
	10. Central Chilled Water Distribution				1,338,505			
NON-BUILDING CAMPUS AREAS:		E	C	S				
	Dede Plaza				66,591			1,4,6
	Gibson Track and Field	*			406,000			1,5,6,9
	Kennedy Field				208,000			1
	Marks Field				204,081			1,5,6
	Memorial Stadium				300,000			1,2,4,6,7
	Oakley Place - (Signature Piece)	*			120,000			1,5,6
	Price Field - (Softball)	*			210,000			1,2,5,6
	Student Recreation East				590,000			1,2,5,6
	Sycamore Field - (Baseball)	*			1,723,297			1,2,5,6
	Varsity Soccer Field (Returned to Intramural July 2009)	*			140,000			1,2,5,6
	Wolf Field				78,717			1,5,6

*As of July 2009 the COE Tower / Statesman Towers was closed.

** Individual Meters...E 'Electrical', C 'Condensate', S 'Steam'

**FACILITIES MANAGEMENT DEPARTMENT
2016 - 2017 ANNUAL REPORT
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INDIANA STATE UNIVERSITY

AFM Location #	Building	Description/Location of Property	Year of Construction	2016 - 2017	
				Building Value	Contents Value
46	500 Wabash Condominiums-Unit #1	500 Wabash Ave	2015	10,100,000	688,000
23	African-Am. Cultural Ctr.	301 North 8th Street	1950	1,092,000	130,000
			1962 & 1986 (Acquired		
6	Arena	401 North 4th Street	1993	53,019,714	2,716,250
6	Art Annex	537 North 4th Street	1955	942,898	108,650
33	Baseball Dugout, Fences, Bleachers (remodel underway 2.5 million including turf, walls, etc.)	First and Locust Street	2010	2,277,660	0
33	Baseball Infield Turf	First and Locust Street	2010	170,340	0
31	Brazil Property	Caretaker's Home 1373 West Co. Rd 700 N, Brazil	1958	15,000	0
31	Brazil Property	Equipment Building 1373 West Co. Rd 700 N, Brazil	1986	34,008	32,595
31	Brazil Property	Classroom & Teaching Center 1373 West Co. Rd 700 N, Brazil	1958	170,040	16,298
21	Burford Residence Complex	Burford, Pickerl, Erickson Hall and Commons) 200, 218 and 220 North 6th Street	1959, 1962 & 1963	33,993,000	1,513,000
17	Career Center	231 North 6th Street	1993	3,560,000	291,000
8	Center for Multi-Media Services	601 Sycamore Street	1969	250,000	27,163
19	Central Chilled Water Plant	945 Chestnut Street	1992	9,986,000	306,000
25	Cherry Street Parking Garage	750 Cherry St	2008	16,390,000	1,082,000
1	Chilled Water Plant (Satellite)	443-489 Tippecanoe St	2011	8,017,516	0
11	Commons, The	550 Chestnut Street	1991	7,975,000	1,110,000
			1860 Acq. 1962		
24	Condit House	629 Mulberry Street	Remod 2008	1,769,000	313,000
	Condit House Garage	629 Mulberry Street		86,000	11000
8	Cunningham Memorial Library	510 6 1/2 Street	1971	38,449,000	17,229,000
8	Cunningham Memorial Library	Library Books 510 6 1/2 Street	1971		50,000,000
22	Dreiser Hall	221 North 6th Street	1950	13,345,000	2,570,000
5	Facilities Management	Grounds & Storage 960 Spruce	1949 & 1989	3,288,547	325,950
15	Facilities Management	Custodial Bldg. 449 North 9th Street	1940	197,078	271,625
15	Facilities Management	Serv/Storage Bldg. 951 Sycamore Street	1946 & 1978	2,455,472	1,086,500
40	Facilities Management	Shop & Storage Bldg. 920 Eagle Street	1963	292,229	21,730
17	Fairbanks (Art Dept.)	220 North 7th Street	1904	6,930,000	643,000
29	Family Housing	Unit #1 100 Farrington Street	1964	10,655,660	217,300
29	Family Housing	Unit #2 200 Farrington Street	1962	14,120,961	108,650
29	Family Housing	Unit #3 201 Crawford Street	1968	18,767,777	108,650
29	Family Housing	Unit #4 101 Crawford Street	1970	19,098,139	108,650
27	Federal Hall (Scott College of Business)	7th and Cherry Street		26,948,000	2,991,000
17	Fine Arts	649 Chestnut Street	1939	14,688,000	1,746,000
43	Flight School at TH Airport	581 S Airport St, Bldg #12	1980	-	350,000
38	Athletic Annex West	55 Eagle Street		5,126,000	139,000
38	Gibson Track & Field Facility	1st Street and Chestnut Street	2015	4,500,000	
22	Gillum Hall	217 North 6th Street	1950	10,190,007	2,335,975
12	Holmstedt Hall	620 Chestnut Street	1966	17,295,000	4,506,000
34	Hospitality House	939 North 7th Street		260,161	36,040
26	Hulman Center	200 North 8th Street	1972	55,000,000	399,000
11	Hulman Memorial Student Union	550 Chestnut Street	1961 & 1990	16,526,000	1,412,000
11	Jones & Hines Residence Halls	455 and 460 North 5th Street	1966	33,356,000	1,368,000
36	Kiewig Woods Home (demolition only)	5853 West Kiewig Drive	1941	50,000	5,433
30	Landsbaum Center for Health Education	1433 North 6 1/2 Street	2003	11,167,817	5,215,200
26	Larry Bird Statue (\$5k ded)	200 North 8th Street	2013	150,000	
17	Landini Center for Performing and Fine Arts	300 North 7th Street	1997	14,463,000	1,522,000
2	Lincoln Quad	650 North 6th Street	1969	39,626,000	1,556,000
2	Lincoln Quad Commons	650 North 6th Street	1969	7,282,000	260,000
4	Morge Building	608 North 8th Street	1945	95,063	55,412
24	Myers Technology Center	650 Cherry Street	1997	31,761,000	2,405,000
17	Normal Hall	650 Eagle Street	1907	17,129,000	1,474,000
18	Nursing, College of	749 Chestnut Street	1970	7,955,091	923,525
17	Parsons Hall	200 North 7th Street	1992	9,590,000	2,569,000
4	Power Plant (Central Heating)	625 North 7th Street	2001	26,145,000	711,000
37	Quad Concourse	Borders Eagle & Mulberry Streets		2,040,000	0
17	Rankin Hall	210 North 7th Street	1970	6,045,000	1,018,000
44	Reeve Hall	550 and 555 6th Walk	2014	25,348,000	738,000
13	Root Hall	424 North 7th Street	1989	18,255,000	5,673,000
11	Sandison Hall	440 North 5th Street	1961	14,988,000	677,000
8	Science	Bldg. North 455 North 6th Street	1985	2,306,703	217,300
8	Science	Main Science Bldg. 600 Chestnut Street	1960 & 1967	64,911,000	12,965,000
45	Sherwin-Williams Warehouse	180 Canal Street		1,000,000	0
28	Stadium	Memorial Arch 3300 Wabash Avenue	1938	890,329	0
28	Stadium	Stadium/Press Box 3300 Wabash Avenue	1970	6,359,496	27,163
28	Stadium	Dressing Room 3300 Wabash Avenue	1970 & 2009	1,144,709	108,650
28	Stadium	Exterior Lighting 3300 Wabash Avenue		381,570	0
28	Stadium	Synthetic Turf 3300 Wabash Avenue	2008	813,104	0
17	Stalker Hall	621 Chestnut Street	1954	12,959,000	1,804,000
42	Storage	817-833 N 3rd St	1966	98,600	0
7	Student Activity Center	530 North 5th Street	2005	930,750	10,600
3	Student Recreation Center	5th Street	2009	23,540,000	942,000
7	Sycamore Center for Wellness and Applied Medicine	530 North 5th Street	1971	15,225,801	1,032,175
20	Sycamore Towers - Residence Halls	410/400 Mulberry Street and			

**FACILITIES MANAGEMENT DEPARTMENT
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INDIANA STATE UNIVERSITY

AFM Location #	Building	Description/Location of Property	Year of Construction	2016 - 2017	
				Building Value	Contents Value
20	Sycamore Towers (Blumberg/Cromwell & Mills'/Rhoads & Commons)	401/411 Chestnut Street	1962 & 1963	81,039,136	1,734,850
24	Technology Bldg. (A)	101 North 6th Street	1980	11,350,754	2,173,000
6	Tennis Courts (8)	North 5th Street (Near Arena)	1988 & 1989	508,760	0
9	Terre Haute Center for Medical Education	526 North 8th Street (Animal Fac)	1975	788,571	86,920
8	Theatre Building (New)	536 North 7th Street	1953	1,994,757	217,300
41	Theatrical Storage Barn	820 N 4th Street	1992	288,072	20,000
17	Tirey Hall (Tilson)	220 North 7th Street	1938	21,385,000	908,000
14	University Hall (College of Education)	401 North 7th Street	1935 & 2009	33,842,000	7,748,000
16	Welcome Center	318 North 6th Street	1956	4,937,000	408,000
47	Leased Student Housing (former frat house)	730 N 6th Street	2005	1,700,000	
	WISU Equipment Bldg.	West Terre Haute	1989	61,149	81,488
	WISU Relay Tower	West Terre Haute		445,165	0
	Yard/Outside (incl. exterior lighting)	Landscaping Property in open		6,514,036	0
TOTAL				988,842,640	151,606,042
GRAND TOTAL				1,140,448,682	

III.

**PROJECT COMPLETIONS /
WORK ORDERS COMPLETION**

NO.	PROJECT NAME & DESCRIPTION	PROJECT COORDINATOR	PROJ. NO.	EST. COST	FINAL COST	CONTRACTOR	COMPLETE/ FUNDING SOURCE
1	AACC- Renovations/Fire Alarm Included	S.Tillman	1516-018	\$ 225,000	\$ 251,765	Evan Ryan	(ACCRES)
2	Athletics Annex West-Parking Lot/ADA Entry	B.Duncan/S.Krull	1415-060	\$ 50,000	\$ 48,095	Strode	(ATWEST)
3	Blumberg Hall- Renovation	S.Porter/B.Duncan	1516-030	\$ 18,000,000	\$ 17,483,612	Hannig/B&S/Hef	(SYCTW2)
4	Campus- Tunnel T-2/PH I	B.Duncan	1617-021	\$ 750,000	\$ 592,869	CDI	(TUNLIB)
5	Dede Plaza- Fountain PH II	B.Duncan/S.Culp	1415-020	\$ 1,750,000	\$ 1,641,000	Hannig	(DEDERV)
6	Gillum Hall- 2nd Flr.Grad Studies/GlobalEng.	S.Tillman/B.Duncan	1415-015	\$ 750,000	\$ 643,505	Evan Ryan	(GH2NDF)
7	Gillum Hall- Elevator	P.Teeters	1415-012	\$ 85,000	\$ 140,484	Otis	(GHELVA)
8	Gillum Re-roof	S.Tillman/B.Duncan	1415-015	\$ 750,000	\$ 292,800	ARP	(GHROOF)
9	Grounds Maintenance- Fire Alarm Upgrade	P.Teeters	1415-054	\$ 75,000	\$ 49,850	NRK	(GMFIRE)
10	HMSU- 7th Flr. Student Affairs	S.Tillman	1415-016	\$ 175,000	\$ 166,355	Strode	(HMSU7F)
11	HMSU-Dede I,II,III; Dimmer/Lighting Upgrade	P.Teeters	1415-041	\$ 250,000	\$ 288,900	Crown	(DEDERV)
12	HMSU- Fire Alarm	P.Teeters	1213-019	\$ 400,000	\$ 239,905	NRK	(HMSUFA)
13	Jones/Hines Hall- Masonry Restoration	S.Porter/B.Duncan	1314-010	\$ 600,000	\$ 587,400	Blakely	(MASNRP)
14	Lincoln Quad- Courtyards	B.Duncan	1516-021	\$ 150,000	\$ 123,655	ST Const.	(STADRE)
15	Lincoln Qyad- Surge Protector	P.Teeters	1617-004	\$ 10,000	\$ 9,000	Hef Svs.	(LINELE)
16	Memorial Stadium- Concrete Repairs	B.Duncan	1516-025	\$ 400,000	\$ 399,500	Browning/Chapman	(STADRE)
17	Memorial Stadium- Lighting	P.Teeters	1617-009	\$ 400,000	\$ 449,865	MUSCO	(MSTADL)
18	Parson Hall- Guttering w/Ice Breaks	S.Culp/B.Duncan	1617-013	\$ 31,000	\$ 31,919	ARP	(ROOF)
19	Parson/Rankin/Tirey- Fire Alarm Upgrade	P.Teeters	1516-016	\$ 550,000	\$ 285,100	Sycamore	(PRTFIR)
20	Rankin Hall- 4th Flr. Corridor	S.Tillman	1617-024	\$ 40,000	\$ 31,350	Neff	(RHDATA)
21	Science Bldg.-Corridor Enhancement PH I	B.Duncan	1314-056	\$ 1,500,000	\$ 1,167,590	Hannig	(SCIPHII)
22	Science Bldg.- Genomics	B.Duncan	1415-038	\$ 700,000	\$ 1,027,000	Hannig	(SLTECH)
23	Sherwin Williams- Partial Demo	B.Duncan/S.Culp	1415-031	\$ 350,000	\$ 228,353	Razmus	(DEMOL)
24	SWAM- 2nd Flr. Renovation	S.Tillman	1011-002	\$ 200,000	\$ 160,965	Evan & Ryan	(SCWAM)
25	SWAM-LL Masonry Restoration	S.Culp/B.Duncan	1213-016	\$ 100,000	\$ 28,500	Rodgers	(MASREN)
26	Toney Petroleum- Demo/Stone Parking	B.Duncan	1011-009	\$ 150,000	\$ 129,327	Razmus	(DEMOL)
27	University Apts.- Unit 2 Boiler	P.Teeters/Greg Luken	1617-010	\$ 75,000	\$ 90,900	B&S	(UPGRAD)
TOTALS:				\$ 28,516,000	\$ 26,589,564		

CLOSED WORK ORDERS (Completed by In-House Trades)

	Building Name	Coordinator	WR#	Date	Cost
1	Stalker Hall	S. Tillman	35355	07/07/16	\$ 16,486.00
2	Cunningham Memorial Library	D. Evans	41719	12/01/16	\$ 8,850.00
3	Bayh College of Education	D. Evans	40124	12/15/16	\$ 9,000.00
4	Sycamore Outdoor Center	D. Evans	39059	01/26/17	\$ 15,930.00
5					
6					
7					
TOTAL:					\$ 50,266.00

COMPLETED LABOR ONLY PROJECTS (Business Affairs Requisitions Material; FM Provides Labor)

	Building Name	Coordinator	Date	Cost
1	Campus	M. Pupilli	10/06/2016	\$ 75,000.00
2	HHS / Arena	M. Pupilli	10/20/2016	\$ 80,000.00
3	Central Chilled Water Plant	M. Pupilli	11/17/2016	\$ 10,000.00
4				
5				
6				
7				
TOTAL:				\$ 165,000.00

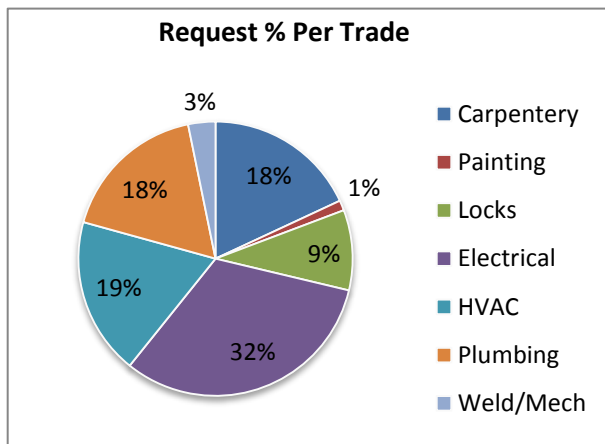
REMOTE PROPERTY DEMOLITIONS

	Property	Contractor	Date	Cost
1	729 N. 11th, 433 N. 3rd St.	S&G Excavating	07/15/2016	\$ 13,390.00
2	Sherwin Williams	Razums	08/15/2016	\$ 157,052.00
3	Tony Petroleum	Razums	09/29/2016	\$ 129,327.00
4	632 N. 12th & 929 N. 8th St.	S&G Excavating	11/09/2016	\$ 20,690.00
5	Tent & Awning/Hardware Supply	McGuire	01/15/2017	\$ 122,000.00
6	201 Canal Street	S&G Excavating	02/15/2017	\$ 3,950.00
7	111 Water Street	S&G Excavating	02/15/2017	\$ 2,500.00
TOTAL:				\$ 448,909.00

Task Code	Task Description / Category	Qty	Trade Total	Trade %
CARPENTRY				
10000	Construct or Build	56		
10001	Repair/Replace Doors	72		
10002	Repair/Replace Windows	34		
10003	Repair Walls	73		
10004	Repair Ceilings	91		
10005	General Carpentry Repair	173		
10006	Hang or install items	268		
10007	Fabricate/Order Signs	152		
10009	Carpet Installation/Repair	16		
10010	Assemble/Disassemble Items	68		
10012	Roof Leak	78		
PM-D-3	Drains, Roof, Gutter	12		
PM-D-5	Doors, Main Entrance	13		
Total for Carpentry			1106	
<i>% of Grand Total</i>				<i>18.05</i>
PAINTING				
20000	Paint/Patch Existing	12		
20001	Paint/Patch New/Remodel	35		
20002	General Painting	26		
Total for Painting			73	
<i>% of Grand Total</i>				<i>1.19</i>
LOCKS				
18000	Repair/Replace Existing Locks	116		
18001	Install New Locks	83		
18003	General Lock & Key Maintenance	147		
10084	Core Change	137		
18005	Install or repair door closures or handles	97		
Total for Locks			580	
<i>% of Grand Total</i>				<i>9.46</i>
ELECTRICAL				
11000	Repair/Replace Lights	568		
11001	Repair/Replace Switches	23		
11002	Repair/Replace Recepticles	32		
11003	General Electrical Repair	204		
11004	Wiring Installation/Modification	11		
11005	Event Electrical Setup	32		
13001	Repair/Replace Smoke Detector	3		
13004	General Fire/Life Safety	12		
13005	Check/Silence Active Alarm	9		
PM-C-2	Clocks, All	12		
PM-E-40	Emergency Generator, Electric, Gasoline Or Natural Gas	381		
PM-E-50	Inspect and Maintain Batteries	12		
PM-E-ADA	Door Openers, ADA type	13		
PM-E-OL	Outside Lighting	13		
PM-F-14	Inspect Automatic Fire Detection Or Alarm Device	632		
PM-L-3	Lighting, Special Fixture	4		
Total for Electrical			1961	
<i>% of Grand Total</i>				<i>32.02</i>

Task Code	Task Description / Category	Qty	Trade Total	Trade %
HVAC				
16000	Room Temperature Problems	459		
16001	Repair/Replace Equipment	135		
16003	General HVAC Repair	278		
16004	General Mechanical/HVAC Inspection	106		
PM-17225	PM Cooling Tower Monthly	22		
PM-17450	PM Heating System Pump Monthly	10		
PM-AHU	PM Air Handler Units / Filter Change/ Maintenance	124		
Total for HVAC			1134	
<i>% of Grand Total</i>				18.52
PLUMBING				
23000	Water Drainage Problem	155		
23001	Water Source Problem	134		
23002	Repair/Replace Fixtures	69		
23003	General Plumbing Repair	488		
PM-F-44	Fountain, Memorial Or Decorative	13		
PM-F-50	Filter, Ice machine	29		
PM-H-10	Irrigation and Ground Hydrants	7		
PM-S-7	Sump Pump	7		
PM-W-1	Service R.O. Water Filter Systems	13		
PM-W-3	Water Softener	156		
Total for Plumbing			1071	
<i>% of Grand Total</i>				17.48
WELDING / MECHANICAL				
16006	Mechanical repair/adjustment	125		
24000	General welding repair	63		
PM-X-33	Parking Meters	13		
Total for Welding / Mechanical			201	
<i>% of Grand Total</i>				3.28

**All Completed Requests
GRAND TOTAL** 6126



IV.

ROOF MAINTENANCE

**FACILITIES MANAGEMENT DEPARTMENT
2016 - 2017 ANNUAL REPORT
ROOF MAINTENANCE**

INDIANA STATE UNIVERSITY

BLDG. NO.	BUILDING NAME	ROOF AREA (SF)	ROOF TYPE	WARRANTY HOLDERS/CONT.	DATE OF LATEST REPAIR/REP'L	REPLACE DATE (EST. ONLY)
510	African-American Cultural Center	4,000	Modified/BUR w Pyramic	ARP	2014	2034
55	Athletic Annex West	51,245	Standing Seam Metal	N/A	N/A	2016
N/A	Baseball Field- (Sycamore Field)					
	Baseball Dugouts	1,904	EPDM Fully Adhered	CDI 20 year	2013	2033
	Press Box	800	EPDM	CDI 20 year	2010	2030
	Locker Room		Asphalt Shingles	CDI 20 year	2010	2030
N/A	Softball Press Box		Shingles	20 year	1999	2017
	Dugouts	1,104	EPDM Fully Adhered	20 year	2006	2021
340	Bayh College of Education at University Hall	46,000	Firestone EPDM (20 yr. warranty)	B&L Roofing/Firestone	2008	2028
220	Blumberg Hall	12,416	Modified (30 yr. warranty)	Garland	2016	2046
N/A	Brazil Campus - Classroom	3,250	4 Ply B.U.R. w/Ballast (20 yr. warranty)	Tremco	1999	2019
	Storage Garage	1,200	Asphalt Shingles	Neff	2005	2025
	Caretaker's Garage	N/A	Asphalt Shingles	Universal Builders	2006	2026
210	Burford Hall- Kitchen and Public Safety	17,616	Genflex (20 yr. warranty)	Genflex, Martinsville Roofing	1998	2018
288	Career Center	13,000	Modified	Garland/ARP	2013	2043
278	Center for Performing & Fine Arts (Landini Hall)	35,000	EPDM (20 yr. Warranty)	Carlisle/ ARP	1996	2016
165	Central Chilled Water Plant	7,200	EPDM (20 yr. warranty)	CRC Roofing/ ARP Carlisle-Repairs 2016	1992	2019
442	Center for Multi-Media Services	3,900	Cap Sheet	No Warranty	2011	2027
532	Central Heating Plant	24,497	Standing Seam Metal	ARP	2001	2026
380	College of Nursing, Health & Human Services (Arena)					
	North Addition	112,000	30 Yr. Modified Garland Modified ARP (20 year Warranty)	Garland/ARP	2017 Center section replaced in 2012	2032 2048
	Western Addition 2018 Units					
	A -Folded Plate	42,500	Metal & Modified	Garland/ARP Manville/ 30 year warranty	2001	2031
	B - Sections	29,760	30 Yr. Modified	Hartmann/	1995	2015
	C - East	7,900	30 Yr. Modified	Manville	1990	2015
	D-Center (former court yard)	10,000	Fully Adhered EPDM (20 year warranty)	ARP	2007	2027
	E-Coaches Offices	1,920	Versico EPDM	Martinsville	1999	2015
122	Condit House	4,000	Faux Slate	ARP/Manco simulated	2006	2056
	Condit House Garage	1,500	Architectural Shingles	ARP	2008	2033
222	Cromwell Hall	12,416	30 Yr. Modified	Garland	2017	2047

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ROOF MAINTENANCE**

INDIANA STATE UNIVERSITY

BLDG. NO.	BUILDING NAME	ROOF AREA (SF)	ROOF TYPE	WARRANTY HOLDERS/CONT.	DATE OF LATEST REPAIR/REP'L	REPLACE DATE (EST. ONLY)
550	Cunningham Memorial Library	37,357	Modified (30 yr. full warranty)	Garland	2017	2047
	New Roof East Entry	3,500	EPDM	Carlisle, ARP	1999	2019
	Walkway Roof		Ballasted Modified	ARP/Firestone	2007	2027
	10 Lower Roof Systems		Modified		2012	2032
202	Dreiser Hall	14,400				
	West Section		Modified New Metal Coping	Garland/ARP 2016	2007 Replacement	2037
	East Section				2007 Replacement	2037
212	Erickson Hall-					
	Main Building	11,393	Modified	ARP/Garland	2013 Replacement	2043
	South Main Entry	400	Modified	ARP/Garland		2048
400	Facilities Mng't/Purchasing					
	Crafts Area	16,400	3 Ply/SBS	ARP/Schuller	1994	2019
	East Addition	24,500	4 Ply B.U.R.w/Ballast	Schuler/ARP	1994	2019
	South Corridor	2,200	60 Mil EPDM	ARP/Carlisle	1994	2017
	Custodial/ Recycling	2,700	Shingle	Universal Builders	2006	2026
	Grounds Building	38440 total for all roof syst.	North 1/3 Fully Adh EPDM South 2/3	ARP/Firestone 20yr ARP/Firestone 20yr	2009 2010	2029 2030
196	Fairbanks Hall	10,500	Asphalt Shingles	ARP	1994	2017
	Cornice Topping		EPDM	ARP	1994	2017
	Gutters		Simplast Coated	ARP	1994	2017
330	Federal Hall Scott College of Business	20,000	Fully Adhered EPDM (20 year warranty)	B&L	2011	2031
570	Fine Arts West (Art Annex)	20,623	Modified Bit (20 Yr. Warranty)	ARP	2011	2032
296	Fine Arts	8,700	EPDM	Martinsville Carlisle (15 yr. warranty)	1998 Complete Reroof	2018
	Center Section	5,900	Faux Slate	Midwest Roofing, Ohio	2011	2042
318	Gibson Track & Field Start/Finish Building	TBT	EPDM (20 Year Warranty)			
200	Gillum Hall	11,500	Modified	Garland/ARP	2016	2045
454	Hines/Jones Hall	8,603	Modified BUR	Garland/ARP 30 yr.	2009	2039
360	Holmstedt Hall	36,700	4 Ply B.U.R. w/Gravel (20 yr. full warranty)	Manville/ Hartmann	1987 Replacement	2017
936	Hospitality Home (Former Mullins Home)	5,000	Architectural Shingle (35 year warranty)	Universal Builders	2007 New	2032
170	Hulman Center	100,000	PVC, 60 mils (20 yr. warranty)	Midland Engineering	2012 New	2032

**FACILITIES MANAGEMENT DEPARTMENT
2016 - 2017 ANNUAL REPORT
ROOF MAINTENANCE**

INDIANA STATE UNIVERSITY

BLDG. NO.	BUILDING NAME	ROOF AREA (SF)	ROOF TYPE	WARRANTY HOLDERS/CONT.	DATE OF LATEST REPAIR/REP'L	REPLACE DATE (EST. ONLY)
452	Hulman Memorial Student Union (HMSU)	11,900	Fully Adhered/ Re-Coated (20 year warranty) Metal Panels			2032
	HMSU Tower Roof	3,420	DD I Fully adhered white All other 1st floor sections 4 ply BUR Garland Metal (blue) roof sections	Garland Garland/ARP 40yr	2003 2011	2023 2041
			Modified Capsheet 2015 Penthouse	Garland/ARP 40yr	2011	2041
128	John T. Myers Technology Center	39,256	EPDM w/Ballast	Carlisle ARP	1997 New	2020
290	John W. Moore Welcome Center	13,716	TPO Fully Adhered	B & L 20 yr. Warranty	2012	2032
922	Kieweg Residence	2,650 s.f.	Shingles (30 yr. warranty)	Universal Builders/30 yr	2007	2037
262	Landsbaum Medical Center	21,700	EPDM W/Ballast	Firestone 20 yr. B & L Sheet Metal and Roofing	2002 New	2022
770	Lincoln Quad (North)	81,202	20 year warranty	Garland Modified	2004	2024
640	Lincoln Quad (South)	79,242	20 year warranty	Garland Modified	2003	2023
904	Memorial Stadium					
	Monument	1,628	Fully adhered EPDM	Dow	1999	2019
	Women's Locker Room	1,450	4 Ply B.U.R.w/Ballast	Manville	2005	2025
	Men's Locker Room	14,400	Fully adhered EPDM	Firestone/ARP 20 year	2009	2029
	Pressbox	2,340	4 Ply B.U.R.w/Ballast	Garland	2009	2039
	Concession Stands	2,184	(15 yr. warranty) EPDM	Versico	1999	2018
	200 Club Roof	1,500	EPDM covered by asphalt		2005	2025
380	Michael Simmons Student Activity Center	3,000 EPDM 2,000 Shingle	Firestone fully adhered EPDM and Atlas 30yr Shingles on center section	Laughrey Brothers	2005	2035
300	Mills Hall	12,416	Modified (30 yr. warranty)	Garland	2015	2045
721	Morge Building	4,500		Garland ARP	2009	2039
	New North Housing	31,800	Tamco Laminated Asphalt Shingles	B & L Sheet Metal	2013 new	2043
272	Normal Hall	8,000	Mod BUR w Pyramic	Garland/ARP	2015	2045
260	Nursing, College of Original	10,400	4 Ply B.U.R. (20 yr. warranty)	Manville/ARP	1993	2015
188	Parsons Hall	4,442	Slate EPDM	Hartmann Carlisle/ Hartmann	1992 new 1992 new	2022 2022
292	Pickerl Hall	17,100	Garland Modified	ARP	2011	2042

**FACILITIES MANAGEMENT DEPARTMENT
2016 - 2017 ANNUAL REPORT
ROOF MAINTENANCE**

INDIANA STATE UNIVERSITY

BLDG. NO.	BUILDING NAME	ROOF AREA (SF)	ROOF TYPE	WARRANTY HOLDERS/CONT.	DATE OF LATEST REPAIR/REP'L	REPLACE DATE (EST. ONLY)
190	Rankin Hall	6,350	Modified 4 ply built up (30 year warranty)	ARP/Garland	2006	2036
560/565	Reeve Hall	31,800	Tamco Asphalt Shingles (40 year warranty).	B&L Roofing	2013	2043
320	Rhoads Hall	12,416	30 yr Modified (30 yr. warranty)	Garland	2018	2048
555	Root Hall	36,000	Standing Seam Metal (5 yr. warranty workmanship) (10 yr. Finish warranty)	Hartmann	1989 new Repairs: 1998, 1999,2000,2001,2002, 2003, 2004	2017
450	Sandison Hall	10,800	Modified and Standing Seam Metal	ARP 30 year Garland 40 year	2008 2008	2038 2038
624	Satellite Chilled Water Plant	7,200	Secured Modified EPDM (Carlisle)	Richmond Guttering 20 year	2011	2032
362	Science Building					
	North half	36,800	Mod BUR w gravel	B&L Firestone	1989/2015 partial replace	2045
	South half	21,900	Mod BUR w gravel (30 yr. full warranty)	B&L Firestone Hartmann	1989/2015 partial replace 1989/2015 partial replace	2045 2045
	North Addition	7,290	Carlisle EPDM W/Ballast	Carlisle	1987	2015
284	Stalker Hall	11,000	EPDM with ballast (awaiting warranty info)	Laughrey Brothers	2005	2025
564	Sycamore Wellness & Applied Med. (Former Student Services Bldg.)	15,470	(All Sections) EPDM w/Ballast	Industrial Contractors	1998	2018
	West Section	1,500	(20 yr. full warranty)	Firestone		
	East Section	1,750				
	3rd Floor Section	11,800				
601	Student Recreation Center	83,518	Fully adhered EPDM	Carlisle Hornung Roofing, Indy	2009	2029
126	Technology (Old)	25,000	EPDM (15 yr. warranty)	Genflex/ Blanton	1998	2017
536	T.H. Medical Education					
	Animal Facilities	4,000	4 Ply B.U.R. w/Ballast	ARP	1995	2018
	West Addition	300	4 Ply B.U.R. w/Ballast	Tremco	1995	2018
	South Addition	375	Mod. Bit. (20 yr. warranty)		1995	2018
542	Theater Bldg. (New)					
	Front Ent. & Apron	1,200	EPDM (10 yr. warranty)	Carlisle ARP	1997	2016
	flat section	2,800	EPDM (10 yr. warranty)	Complete Recover	1997	2016
	Barrel Section (Main Roof Area)	10,600	EPDM		1997	2016
194	Tilson Hall	30,000	SBS modified (20 yr. warranty)	Laughrey Bros.	2004	2024
192	Tirey Hall					
	Sloped Area	16,300	Slate	ARP	2014	2064
	Flat Area	3,500	Garland Modified	ARP	2014	2044

V.

**MAINTENANCE AND UTILITY COST
SUMMARY**

ACADEMIC & SERVICE BUILDINGS

BLDG NO	BUILDING	LABOR	MATERIALS	GAS CON		ELECTRIC CON		TOTAL COSTS
				100+CF	COST	KW / HRS	COST	
520	AFRICAN AMERICAN CULTURAL CENTER	\$ 3,612.50	\$ 1,066.87	2,521	\$ 2,263.83	119,920	\$ 11,887.94	\$ 18,831.14
		8,200	0.441	0.130	0.276		1.45	2.30
536	ANIMAL FAC BLDG	\$ 1,350.00	\$ 735.94	2,886	\$ 2,202.62	84,100	\$ 6,217.51	\$ 10,506.07
		4,500	0.300	0.164	0.489		1.38	2.33
380	ARENA/HHS	\$ 39,652.51	\$ 25,238.71	1,089	\$ 1,632.35	3,852,900	\$ 284,844.90	\$ 351,368.47
		293,846	0.135	0.086	0.006		0.97	1.20
570	ART ANNEX WEST	\$ 4,175.00	\$ 3,765.00	9,459	\$ 6,640.22	135,954	\$ 10,051.08	\$ 24,631.30
		13,800	0.303	0.273	0.481		0.73	1.78
730	ART STUDIO	\$ 25.00		1,276	\$ 984.51	2,055	\$ 381.66	\$ 1,391.17
		2,470	0.010	0.000	0.40		0.15	0.56
288	CAREER CENTER	\$ 1,625.00	\$ 238.40	55	\$ 246.93	598,552	\$ 44,250.95	\$ 46,361.28
		12,930	0.126	0.018	0.02		3.42	3.59
278	CENTER FOR PERFORMING AND FINE ARTS (LANDINI CENTER)	\$ 5,125.00	\$ 8,827.96	59	\$ 608.68	742,651	\$ 54,905.11	\$ 69,466.75
		41,604	0.123	0.212	0.01		1.32	
165	CENTRAL CHILLED WATER PLT	\$ 14,587.50	\$ 51,575.29	621	\$ 1,010.83	5,250,524	\$ 405,428.67	\$ 472,602.29
		11,634	1.254	4.433	0.09		34.85	40.62
534	CENTRAL HEATING PLANT *	\$ 7,143.75	\$ 7,485.39	0	\$ -	1,462,325	\$ 108,109.69	\$ 122,738.83
		44,603	0.160	0.168	0.00		2.42	2.75
122	CONDIT HOUSE	\$ 1,706.25	\$ 790.41	0	\$ -	282,500	\$ 20,885.23	\$ 23,381.89
		12,082	0.141	0.065	0.00		1.73	1.94
202	DREISER HALL	\$ 6,959.38	\$ 2,193.70	0	\$ -	802,687	\$ 59,342.65	\$ 68,495.73
		51,809	0.134	0.042	0.00		1.15	1.32
400	FACILITIES MANAGEMENT CENTRAL STORES & PURCHASING	\$ 24,287.50	\$ 31,750.52	9,376	\$ 9,342.61	609,280	\$ 57,634.33	\$ 123,014.96
		58,726	0.414	0.541	0.16		11.62	12.73
402	FACILITIES MANAGEMENT ANNEX	\$ -	\$ -	0	\$ -	0	\$ -	\$ -
		4,960	0.000		0.00		0.00	0.00
404	FACILITIES MANAGEMENT ANNEX II (RECYCLE/CUST. CENTER)	\$ 6,225.00	\$ 13,630.76	2,137	\$ 1,283.84	0	\$ -	\$ 21,139.60
		5,483	1.135	2.486	0.23		0.00	3.86
196	FAIRBANKS HALL	\$ 4,662.50	\$ 4,255.14	0	\$ -	401,698	\$ 29,697.53	\$ 38,615.17
		17,760	0.263	0.240	0.00		1.67	2.17
276	FINE ARTS BLDG.	\$ 9,068.75	\$ 11,319.40	0	\$ 280.00	792,300	\$ 58,574.74	\$ 79,242.89
		63,379	0.143	0.179	0.00		0.92	1.25
200	GILLUM HALL	\$ 16,959.38	\$ 15,163.23	419	\$ 711.13	269,250	\$ 19,905.65	\$ 52,739.39
		48,830	0.347	0.311	0.01		0.41	1.08
515	GROUND MAINTENANCE BLDG.	\$ 9,856.25	\$ 15,454.72	28,247	\$ 20,422.86	178,560	\$ 17,374.64	\$ 63,108.47
		38,440	0.256	0.402	0.53		0.45	1.64
940	HARDWARE SUPPLY	\$ 2,212.50	\$ 4.49	0	\$ -	1,042	\$ 175.34	\$ 2,392.33
		15,000	0.148	0.000	0.00		0.01	0.16
360	HOLMSTEDT HALL	\$ 11,319.50	\$ 8,559.44	0	\$ -	1,562,420	\$ 115,509.71	\$ 135,388.65
		99,324	0.114	0.086	0.00		1.16	1.36
160	PUBLIC SAFETY (UNIVERSITY POLICE)	\$ 425.00		0	\$ -	0	\$ -	\$ 425.00
		5,784	0.073	0.000	0.00		0.00	0.07
922	KIEWEG RESIDENCE	\$ 537.50	\$ 476.29	0	\$ -	11,288	\$ 1,330.55	\$ 2,344.34
		3,338	0.161	0.143	0.00		0.40	0.70
922	LANDSBAUM CENTER	\$ 8,868.75	\$ 3,646.00	15,905	\$ 13,168.87	324,160	\$ 28,421.47	\$ 54,105.09
		34,170	0.260	0.107	0.39		0.83	1.58
550	LIBRARY, CUNNINGHAM MEMORIAL	\$ 8,225.00	\$ 21,781.38	221	\$ 749.96	7,023,547	\$ 519,250.83	\$ 550,007.17
		172,356	0.048	0.126	0.01		3.01	3.19

**FACILITIES MANAGEMENT DEPARTMENT
2016 - 2017 ANNUAL REPORT
MAINTENANCE & UTILITY COST - FACIL**

INDIANA STATE UNIVERSITY

BLDG NO	BUILDING	LABOR	MATERIALS	GAS CON		ELECTRIC CON		TOTAL COSTS
				100+CF	COST	KW / HRS	COST	
128	JOHN T. MYERS TECH CENTER	\$ 11,962.50	\$ 27,174.09	3,089	\$ 3,659.33	2,005,695	\$ 148,281.03	\$ 191,076.95
	110,000	0.109	0.247		0.03		1.35	1.74
290	JOHN W. MOORE WELCOME CNTR (FAMILY CONSUMER SCIENCES)	\$ 3,306.25	\$ 4,593.12	23	\$ 576.29	160,255	\$ 11,847.65	\$ 20,323.31
	22,847	0.145	0.201		0.03		0.52	0.89
442	MULTIMEDIA SERVICES	\$ 1,912.50	\$ 1,333.38	504	\$ 553.78	95,300	\$ 7,045.53	\$ 10,845.19
	2,783	0.687	0.479		0.20		2.53	3.90
272	NORMAL HALL	\$ 5,106.25	\$ 1,604.62	0	\$ -	658,900	\$ 48,712.48	\$ 55,423.35
	65,393	0.078	0.025		0.00		0.74	0.85
260	NURSING, COLLEGE OF	\$ 4,468.75	\$ 2,172.70	21	\$ 571.87	501,265	\$ 37,058.52	\$ 44,271.84
	40,083	0.111	0.054		0.01		0.92	1.10
188	PARSONS HALL	\$ 8,893.75	\$ 23,374.22	72	\$ 610.51	749,523	\$ 55,412.24	\$ 88,290.72
	45,115	0.197	0.518		0.01		1.23	1.96
190	RANKIN HALL	\$ 7,418.75	\$ 7,144.64	0	\$ -	1,998,560	\$ 147,753.54	\$ 162,316.93
	37,337	0.199	0.191		0.00		3.96	4.35
555	ROOT HALL	\$ 12,325.00	\$ 7,700.70	16	\$ 220.98	950,300	\$ 70,255.68	\$ 90,502.36
	94,620	0.130	0.081		0.00		0.74	0.96
362	SCIENCE/SCIENCE NORTH	\$ 19,456.25	\$ 44,422.48	1,651	\$ 1,817.41	6,908,575	\$ 510,750.95	\$ 576,447.09
	266,727	0.073	0.167		0.01		1.91	2.16
904	STADIUM	\$ 10,187.52	\$ 6,198.20	14,390	\$ 11,867.15	421,200	\$ 40,915.15	\$ 69,168.02
	15,885	0.641	0.390		0.75		2.58	4.35
284	STALKER HALL	\$ 5,906.25	\$ 7,196.48	949	\$ 1,809.65	1,002,595	\$ 74,121.85	\$ 89,034.23
	46,972	0.000	0.153		0.04		1.58	1.77
410	(BAYH) COLLEGE OF EDUCATION	\$ 14,181.25	\$ 7,842.12	175	\$ 1,174.89	3,959,206	\$ 292,704.10	\$ 315,902.36
	157,119	0.090	0.050		0.01		1.86	2.01
410	SCOTT COLLEGE OF BUSINESS FEDERAL HALL	\$ 11,737.51	\$ 6,226.55	0	\$ -	1,088,887	\$ 83,815.07	\$ 101,779.13
	90,000	0.130	0.069		0.00		0.93	1.13
900	SYCAMORE OUTDOOR CENTER	\$ 150.00	\$ 5.31	0	\$ -	19,605	\$ 2,310.08	\$ 2,465.39
	2,910	0.052	0.002		0.00		0.79	0.85
564	SYCAMORE CENTER FOR WELLNESS	\$ 10,212.50	\$ 16,044.81	1821	\$ 2,634.79	1,269,500	\$ 93,854.14	\$ 122,746.24
	54,476	0.187	0.295		0.05		1.72	2.25
126	TECHNOLOGY	\$ 4,912.50	\$ 7,422.09	45	\$ 247.51	1,256,200	\$ 92,870.87	\$ 105,452.97
	51,962	0.095	0.143		0.00		1.79	2.03
542	NEW THEATER BLDG	\$ 2,893.75	\$ 1,177.10	4206	\$ 3,473.24	496,525	\$ 36,708.09	\$ 44,252.18
	12,971	0.223	0.091		0.27		2.83	3.41
192	TIREY HALL (ELEC. METER w/RANKIN)	\$ 11,081.25	\$ 9,991.99	1,923	\$ 1,643.44	0	\$ -	\$ 22,716.68
	95,257	0.116	0.105		0.02		0.00	0.24
	TOTAL	\$ 334,722.05	\$ 409,583.64	103,156	\$ 92,410.08	48,049,804	\$ 3,608,597.15	\$ 4,445,312.92
	2,277,485	0.147	0.180		0.045		1.584	1.952

* See Central Heating Plant Reports for data.

* For Water & Sewage info please see separate report.

**FACILITIES MANAGEMENT DEPARTMENT
2016 - 2017 ANNUAL REPORT
MAINTENANCE & UTILITY COST - FACIL**

INDIANA STATE UNIVERSITY

AUXILIARY BUILDINGS

BLDG NO	BUILDING	LABOR	MATERIALS	GAS CON		ELECTRIC CON		TOTAL COSTS	
				100+CF	COST	KW / HRS	COST		
	ARMORY (DEMOLISHED 2017)	\$43.75	\$20.35	0	\$145.72			\$166.07	
		12,000	0.004	0.002	0.012		0.000	0.014	
055	ATHLETIC ANNEX WEST	\$2,443.75	\$3,330.48	9,459	\$6,640.22	250,800	\$23,867.60	\$33,838.30	
		53,000	0.046	0.063	0.125		0.450	0.638	
721	CAMPUS CHEMICALS WHSE (MORGE BLDG)	\$87.50	\$235.92	5,541	\$1,234.57			\$1,470.49	
		8,966	0.010	0.026	0.138		0.000	0.164	
N/A	CHERRY STREET PARKING FACILITY	\$475.00	\$1,709.07			556,680	\$45,822.89	\$47,531.96	
		310,086	0.002	0.006	0.000		0.148	0.153	
500	COMMONS (FOOD COURT)			15,905	\$13,168.87	238,550	\$23,079.59	\$36,248.46	
		51,428	0.000	0.000	0.256		0.449	0.705	
N/A	COMMUNITY GARDEN HOUSE	\$1,237.50	\$187.11	261	\$376.98	5,715	\$806.82	\$1,370.91	
		1,200	1.031	0.156	0.314		0.672	1.142	
300	FACILITIES WEST	\$4,925.00	\$32,241.75			780	\$94.78	\$32,336.53	
		45,660	0.108	0.706	0.000		0.002	0.708	
N/A	FLIGHT ACADEMY	\$12.50	\$101.00	5,105	\$4,271.19	85,349	\$8,989.20	\$13,361.39	
		22,152	0.001	0.005	0.193		0.406	\$0.60	
170	HULMAN CENTER	\$3,843.75	\$8,397.02	58	\$1,126.00	2,269,300	\$167,769.35	\$171,666.37	
		174,011	0.022	0.048	0.006		0.964	0.000	
558	HULMAN MEM STU UNION	\$15,837.50	\$14,738.00	66	\$255.48	2,450,600	\$181,172.56	\$196,166.04	
		98,303	0.161	0.150	0.003		1.843	1.996	
525	MICHAEL SIMMONS STUDENT ACTIVITY CENTER	\$893.75	\$261.17	915	\$833.39			\$1,094.56	
		3,000	0.298	0.087	0.278			0.365	
N/A	HOSPITALITY HOUSE(Mullens)	\$706.25	\$693.51	1,824	\$1,426.82	27,919	\$2,821.49	\$4,941.82	
		2,680	0.264	0.259	0.532		1.053	1.844	
624	SATELLITE CHILLED WATER PLANT	\$13,143.75	\$50,728.04	10,890	\$9,392.50	7,230,695	\$534,565.28	\$594,685.82	
		7,220	1.820	7.026	1.301		74.040	82,366	
601	STUDENT REC CENTER	\$31,298.76	\$24,789.42	26	\$576.99	1,753,000	\$129,599.29	\$154,965.70	
		190,450	0.164	0.130	0.003		0.680	0.814	
			\$74,948.76	\$137,432.84	\$50,050.00	\$39,448.73	14,869,388.00	\$1,039,007.56	\$988,644.40
TOTALS		980,156	0.076	0.140	0.040		1.060	1.009	

RESIDENTIAL LIFE

BLDG NO	BUILDING	LABOR	MATERIALS	GAS CON		ELECTRIC CON		TOTAL COSTS	
				100+CF	COST	KW / HRS	COST		
212	ERICKSON HALL	\$937.50	\$269.68	61	\$400.19	903,992	\$66,832.13	\$68,439.50	
		78,690	0.012	0.003	0.005		0.85	0.87	
450	SANDISON COMPLEX SANDISON/JONES/HINES HALL	\$1,250.00	\$466.00	791	\$1,838.96	1,895,048	\$140,100.90	\$143,655.86	
		64,707	0.006	0.002	0.009		0.68	0.70	
454	HINES HALL								
		70,431							
456	JONES HALL								
		70,431	0.000	0.000	0.000	0.000	0.000	0.000	
		205,569							
456	BURFORD HALL (PUBLIC SAFETY)	\$4,162.50	\$8,241.50			903,630	\$66,731.44	\$79,135.44	
		59,912	0.069	0.138	0.000		1.114	1.32	
292	PICKERL HALL					929,309	\$68,703.81	\$68,703.81	
		59,823	0.000	0.000	0.000		1.148	1.148	
770	LINCOLN QUAD N								
640	LINCOLN QUAD S	\$1,700.00	\$13,619.55	6,195	\$6,887.96	1,905,602	\$140,881.16	\$163,088.67	
		160,444	0.011	0.085	0.043		0.878	1.02	
565	REEVE HALL E								
560	REEVE HALL W	\$1,112.50	\$12,686.96						
		128,000	0.009	11.404	0.000		0.000		
	SYCAMORE TOWERS	\$1,237.50	\$172.08	850	\$1,765.38	4,102,650	\$303,308.91	\$306,483.87	
			0.004	0.000	0.005		0.868	0.88	
220	BLUMBERG HALL								
		87,732							
222	CROMWELL HALL								
		87,378							
300	MILLS HALL								
		87,610							
320	RHOADS HALL								
		86,760							
		349,480							
914	M.S.H. #1	\$7,937.50	\$4,147.71			4,504,953	\$360,690.00	\$372,775.21	
		59,464	0.0233	0.0122			1.061	1.097	
920	M.S.H. #4								
		107,612							
		339,959							
			\$18,337.50	\$39,603.48	6,256	\$7,288.15	3,738,903	\$66,832.13	\$68,439.50
TOTAL		2,104,002	0.009	0.019	0.003		0.032	0.033	

OTHER MAINTENANCE AREAS

AREA	LABOR	MATERIALS	ELECTRIC CON		TOTAL COSTS
			KW / HRS	COST	
BASEBALL FIELD(SYCAMORE)			250,446	\$24,967.79	\$24,967.79
DEDE PLAZA	\$2,931.25	\$1,529.16			\$4,460.41
OUTDOOR LIGHTING					\$0.00
*PARKING LOTS			375,769	\$36,857.35	\$36,857.35
STADIUM MARQUEE			21,915	\$2,505.44	\$2,505.44
ATHLETIC FIELDS	\$5,384.39	\$5,670.12	28,000	\$3,508.29	\$14,562.80
(SOFTBALL & SOCCER FIELD)					\$0.00
WISU (RADIO STATION)	\$237.50	\$37.24	121,999	\$11,451.33	\$11,726.07
** CAMPUS MISCELLANEOUS	\$15,568.76	\$4,669.28			
TOTALS	\$24,121.90	\$11,905.80	798,129	\$79,290.20	\$95,079.86

* Parking Lot Lighting Costs include electrical costs for the operation of Oakley Place.

** Campus Miscellaneous includes Labor & Material charges for work done by Facilities Management personnel for different areas on Campus.

WATER

	CONSUMPTION 100 CF	UNIT COST	COST
JULY	7162	\$ 4.038	\$ 28,918.77
AUGUST	6241	\$ 4.367	\$ 27,256.01
SEPTEMBER	8238	\$ 3.598	\$ 29,640.63
OCTOBER	11333	\$ 3.099	\$ 35,120.07
NOVEMBER	19256	\$ 3.255	\$ 62,687.65
DECEMBER	13454	\$ 3.462	\$ 46,576.07
JANUARY	14064	\$ 3.244	\$ 45,618.70
FEBRUARY	10374	\$ 3.146	\$ 32,640.93
MARCH	11081	\$ 3.815	\$ 42,274.23
APRIL	9429	\$ 4.591	\$ 43,289.07
MAY	6078	\$ 5.643	\$ 34,299.53
JUNE	11074	\$ 3.258	\$ 36,077.85
2016 - 2017 TOTAL	127784	\$ 3.634	\$ 464,399.51
Cost for Fiscal Year 2015 - 2016	113543	\$ 4.178	\$ 474,426.63
Cost for Fiscal Year 2014 - 2015	128876	\$ 3.690	\$ 475,589.17
COST FOR WATER 10 YEARS AGO, 2006 - 2007 (UNINFLATED \$\$)			\$ 490,162.84

SEWAGE

	CONSUMPTION	UNIT COST	COST
JULY	7,554	\$ 7.374	\$ 55,702.00
AUGUST	7,924	\$ 7.401	\$ 58,644.94
SEPTEMBER	9,335	\$ 7.431	\$ 69,365.26
OCTOBER	18,319	\$ 7.411	\$ 135,769.30
NOVEMBER	18,508	\$ 8.160	\$ 151,016.61
DECEMBER	18,767	\$ 7.420	\$ 139,255.40
JANUARY	7,516	\$ 8.638	\$ 64,921.04
FEBRUARY	12,697	\$ 8.532	\$ 108,327.26
MARCH	11,014	\$ 8.604	\$ 94,769.73
APRIL	18,253	\$ 8.191	\$ 149,512.39
MAY	13,106	\$ 8.901	\$ 116,657.31
JUNE	10,733	\$ 8.606	\$ 92,370.09
2016 - 2017 TOTAL	153,726	\$ 8.042	\$ 1,236,311.33
Cost for Fiscal Year 2015 - 2016	121,096	\$ 7.489	\$ 906,503.70
Cost for Fiscal Year 2014 - 2015	161,781	\$ 5.970	\$ 965,884.29
COST FOR SEWAGE 10 YEARS AGO, 2006 - 2007 (UNINFLATED \$\$)			\$ 312,618.83

**BRAZIL FIELD CAMPUS
WATER & SEWAGE**

BRAZIL CITY WATER WORKS & SEWAGE

MONTH	USAGE / 100 GAL	COST
JULY	600	\$ 98.02
AUGUST	800	\$ 98.68
SEPTEMBER	500	\$ 98.02
OCTOBER	400	\$ 98.02
NOVEMBER	400	\$ 98.02
DECEMBER	0	\$ 98.02
JANUARY	100	\$ 98.02
FEBRUARY	63	\$ 98.02
MARCH	236	\$ 98.02
APRIL	236	\$ 98.02
MAY	824	\$ 98.02
JUNE	417	\$ 98.02
2016 - 2017 TOTAL	4,576	\$ 1,176.90
COST FOR FISCAL YEAR 2015 - 2016	27,100	\$ 1,619.98
COST 10 YEARS AGO, FY 2006-2007, UNINFLATED	21,200	\$ 625.82

(Note: This account is payment to the Brazil City Water Works and Sewage Co. for service at the Brazil Field Campus.)

**LANDSBAUM PROPERTY
FIRE HYDRANT RENTAL**

FAYETTE TOWNSHIP WATER ASSOC. INC.

MONTH	USAGE/100GAL	COST
JULY	2,500	\$ 21.63
AUGUST	2,500	\$ 21.63
SEPTEMBER	2,500	\$ 21.63
OCTOBER	2,500	\$ 21.63
NOVEMBER	2,500	\$ 21.63
DECEMBER	2,500	\$ 21.63
JANUARY	2,500	\$ 21.63
FEBRUARY	2,500	\$ 21.63
MARCH	2,500	\$ 21.63
APRIL	2,500	\$ 21.63
MAY	2,500	\$ 21.63
JUNE	2,500	\$ 21.63
2016 - 2017 TOTAL	30,000	\$ 259.56
COST FOR FISCAL YEAR 2015- 2016	30,000	\$ 218.31
COST 10 YEARS AGO, FY 2006-2007, UNINFLATED	23,111	\$ 162.97

(Note: This account is minimum monthly payment to the Fayette Twp. Water Assoc., Inc. for fire hydrant rental at the Landsbaum Property.)

**SYCAMORE OUTDOOR CENTER CLUB HOUSE
PROPANE GAS**

FERRELL GAS

FISCAL YEAR	USAGE	COST
2016 - 2017 TOTAL	1,475	\$ 2,560.33
COST FOR FISCAL YEAR 2015 - 2016	932	\$ 2,409.43
COST 10 YEARS AGO, FY 2006-2007, UNINFLATED	3,400	\$ 5,130.60

**FACILITIES MANAGEMENT DEPARTMENT
2016 - 2017 ANNUAL REPORT
NATURAL & PROPANE GAS CONSUMPTION & COST**

INDIANA STATE UNIVERSITY

MONTH	NATURAL GAS CONSUMPTION (100 CF)	NATURAL GAS COST AND UNIT COST	PROPANE * CONSUMPTION (GALLONS)	PROPANE * COST AND UNIT COST	TOTAL COST
JULY	7,507	\$ 7,325.33			\$ 7,325.33
AUGUST	8,675	\$ 8,181.74			\$ 8,181.74
SEPTEMBER	11,637	\$ 10,541.15			\$ 10,541.15
OCTOBER	15,387	\$ 13,648.67	280	\$ 336.72	\$ 13,985.39
NOVEMBER	25,205	\$ 17,226.78			\$ 17,226.78
DECEMBER	42,025	\$ 28,405.33	300	\$ 411.69	\$ 28,817.02
JANUARY	55,788	\$ 37,618.40	470	\$ 423.27	\$ 38,041.67
FEBRUARY	41,112	\$ 36,497.55	200	\$ 240.72	\$ 36,738.27
MARCH	37,784	\$ 33,243.99	200	\$ 240.36	\$ 33,484.35
APRIL	21,264	\$ 21,198.61	170	\$ 204.24	\$ 21,402.85
MAY	13,150	\$ 11,819.19	140	\$ 195.02	\$ 12,014.21
JUNE	10,508	\$ 12,526.48			\$ 12,526.48
2016 - 2017 TOTALS	290,042	\$ 238,233.22	1760	\$ 2,052.02	\$ 240,285.24
		0.821		1.166	
TOTALS FOR PREVIOUS YEARS:					
2015 - 2016	141,976	\$ 145,261.66	1,613	\$ 1,591.37	\$ 139,362.32
2014 - 2015	277,144	\$ 249,572.59	2,121	\$ 3,054.75	\$ 252,627.34
COST FOR MISC. UTILITY CONSUMPTION 10 YRS. AGO, 2006 - 2007 (UNINFLATED \$\$)	348,188	\$ 388,846.69	2,084	\$ 4,444.75	\$ 393,291.44

*KIEWIG ONLY

Duke Energy Totals	Totals For 2015-2016			Totals For 2016-2017		
<i>Major Accounts</i>	Cost/kWH	KWH	2015-16 Costs	Cost/kWH	KWH	2016-17 Costs
Main Campus	\$ 0.07000	60,298,314	\$ 4,220,671.17	\$ 0.07393	66,653,567	\$ 4,927,809.08
University Apartments	\$ 0.07519	4,498,566	\$ 338,234.34	\$ 0.08011	4,464,232	\$ 357,611.84
Central Chilled Water Plant	\$ 0.07049	7,121,511	\$ 502,012.43	\$ 0.07212	4,949,234	\$ 356,937.27
Major Account Totals	\$ 0.07037	71,918,391	\$ 5,060,917.94	\$ 0.07418	76,067,033	\$ 5,642,358.19
<i>Misc. Building Accounts</i>	Cost/kWH	KWH	2015-16 Costs	Cost/kWH	KWH	2016-17 Costs
Landsbaum Medical Center (ISU 1/3)	\$ 0.08034	317,759	\$ 25,529.11	\$ 0.08564	326,828	\$ 27,990.91
Federal Building	\$ 0.07198	1,118,488	\$ 80,509.36	\$ 0.07615	1,098,207	\$ 83,626.62
Hardware Supply	\$ 0.12823	7,088	\$ 908.91	\$ 0.16943	1,203	\$ 203.83
WISU Transmitter	\$ 0.08627	122,679	\$ 10,584.10	\$ 0.09307	121,509	\$ 11,309.41
Grounds Maintenance	\$ 0.09320	162,960	\$ 15,187.82	\$ 0.16923	181,720	\$ 30,753.36
AACC	\$ 0.09271	114,120	\$ 10,579.54	\$ 0.09794	120,840	\$ 11,834.99
Recycle Center	\$ 0.09822	81,542	\$ 8,009.27	\$ 0.10227	88,640	\$ 9,065.30
Facilities Management Office	\$ 0.08683	643,340	\$ 55,860.31	\$ 0.09058	627,360	\$ 56,827.81
Kiewit	\$ 0.10176	19,519	\$ 1,986.33	\$ 0.11670	11,538	\$ 1,346.47
936 N 7th Street (Mullen's House)	\$ 0.09638	27,332	\$ 2,634.35	\$ 0.09749	27,649	\$ 2,695.41
630 N 3rd Street	\$ 0.14593	3,964	\$ 578.48	\$ 0.13407	777	\$ 104.17
301 N 9th Street (NG Armory)	\$ 0.16601	2,421	\$ 401.90	\$ 0.14832	1,719	\$ 254.96
219 N 11th Street (Garden House)	\$ 0.12582	7,578	\$ 953.47	\$ 0.13832	5,974	\$ 826.31
Sherwin Williams Building	\$ 0.09687	71,680	\$ 6,943.30	Demolished	-	\$ -
Banquet Center (HMSU Commons)	\$ 0.09471	146,160	\$ 13,842.31	\$ 0.09638	229,040	\$ 22,075.77
720 Elm Street (New Art Grad House)	\$ 0.17784	2,349	\$ 417.74	\$ 0.18026	2,532	\$ 456.41
Theatre Storage	\$ 0.13254	6,730	\$ 891.97	\$ 0.14621	4,822	\$ 705.03
HMSU Commons Kiosk	\$ 0.16738	4,263	\$ 713.56	\$ 0.16207	6,344	\$ 1,028.17
Misc Building Totals	\$ 0.08270	2,859,972	\$ 236,531.83	\$ 0.09140	2,856,702	\$ 261,104.93
<i>Sports Complex Accounts</i>	Cost/kWH	KWH	2015-16 Costs	Cost/kWH	KWH	2016-17 Costs
Main Stadium	\$ 0.09284	444,960	\$ 41,308.50	\$ 0.09640	431,040	\$ 41,552.53
Stadium Marquee	\$ 0.10745	24,252	\$ 2,605.99	\$ 0.11381	21,948	\$ 2,497.82
Softball Field	\$ 0.10901	25,440	\$ 2,773.26	\$ 0.11648	24,240	\$ 2,823.51
Baseball Field	\$ 0.09431	251,704	\$ 23,737.29	\$ 0.09815	266,349	\$ 26,141.20
Soccer Field	\$ 0.14516	6,160	\$ 894.17	\$ 0.16182	4,720	\$ 763.78
Athletic Annex West 55 Eagle Street	\$ 0.09058	216,800	\$ 19,637.91	\$ 0.09458	249,200	\$ 23,570.36
Basball Shelter		-	\$ 112.80		-	\$ 112.80
Gibson Track	\$ 0.12204	35,252	\$ 4,302.17	\$ 0.11156	45,480	\$ 5,073.63
Sports Complex Totals	\$ 0.09494	1,004,568	\$ 95,372.09	\$ 0.09831	1,042,977	\$ 102,535.63
<i>Brazil Field Campus Accounts</i>	Cost/kWH	KWH	2015-16 Costs	Cost/kWH	KWH	2016-17 Costs
Brazil Field Campus	\$ 0.13182	23,035	\$ 3,036.44	\$ 0.12691	21,631	\$ 2,745.22
Brazil Field Campus Totals	\$ 0.13182	23,035	\$ 3,036.44	\$ 0.12691	21,631	\$ 2,745.22
<i>Parking Lot Accounts</i>	Cost/kWH	KWH	2015-16 Costs	Cost/kWH	KWH	2016-17 Costs
Oakley Place	\$ 0.10192	39,093	\$ 3,984.44	\$ 0.10642	43,745	\$ 4,655.30
Parking Lot A	\$ 0.09148	71,867	\$ 6,574.27	\$ 0.09857	70,839	\$ 6,982.93
Parking Lot 14	\$ 0.09032	79,694	\$ 7,198.27	\$ 0.09752	83,432	\$ 8,136.23
Parking Lot 21	\$ 0.09250	64,745	\$ 5,989.12	\$ 0.09855	73,491	\$ 7,242.64
Visitors Pay Lot	\$ 0.11252	21,407	\$ 2,408.61	\$ 0.12001	20,835	\$ 2,500.32
Parking Lot 15	\$ 0.09058	76,942	\$ 6,969.33	\$ 0.09992	64,017	\$ 6,396.34
Parking Lot K		7,599	\$ 939.78	\$ 0.13096	10,495	\$ 1,374.43
Parking Lot N (1090 Chestnut St)	\$ 0.14104	3,227	\$ 455.15		-	\$ 112.80
Parking Lot Totals	\$ 0.09468	364,574	\$ 34,518.97	\$ 0.10195	366,854	\$ 37,400.99
<i>Outside Lighting Accounts</i>	Cost/kWH	KWH	2015-16 Costs	Cost/kWH	KWH	2016-17 Costs
Campus DD Lights (31)	\$ 0.09844	45,072	\$ 4,436.78	\$ 0.10122	45,075	\$ 4,562.69
Street Lighting - ICON PL Lighting	\$ 0.07700	66,096	\$ 5,089.41	\$ 0.08011	66,096	\$ 5,295.27
Stadium DD Lights (3)	\$ 0.10400	3,672	\$ 381.87	\$ 0.10810	3,672	\$ 396.96
Baseball Field (4)	\$ 0.10395	4,896	\$ 508.96	\$ 0.10810	4,896	\$ 529.28
Brazil Field Campus DD Light (8)	\$ 0.09942	9,045	\$ 899.23	\$ 0.10358	12,062	\$ 1,249.36
Gibson Track Security Lighting		21,645	\$ 1,863.52	\$ 0.09107	32,748	\$ 2,982.24
Landsbaum Parking Lot (4) (ISU 1/3)	\$ 0.06997	7,080	\$ 495.39	\$ 0.07425	7,084	\$ 525.99
Duke Energy Outside Lighting	\$ 0.08682	157,506	\$ 13,675.16	\$ 0.09055	171,633	\$ 15,541.79
Duke Energy Electrical Totals	\$ 0.07132	76,328,046	\$ 5,444,052.43	\$ 0.07528	80,526,830	\$ 6,061,686.75

10 Year Consumption / Cost History					
Fiscal Years	Cost Per KWH	KWH	% Change	Cost	% Change
2007-08	\$ 0.05193	72,818,086		\$ 3,781,447.52	
2008-09	\$ 0.06037	70,487,262	-3.2009%	\$ 4,255,322.44	12.5316%
2009-10	\$ 0.06059	76,138,624	8.0176%	\$ 4,613,399.99	8.4148%
2010-11	\$ 0.06157	84,283,964	10.6980%	\$ 5,189,404.62	12.4855%
2011-12	\$ 0.06870	79,919,053	-5.1788%	\$ 5,490,131.76	5.7950%
2012-13	\$ 0.07183	82,004,666	2.6097%	\$ 5,890,115.85	7.2855%
2013-14	\$ 0.07895	79,884,326	-2.5856%	\$ 6,307,097.38	7.0793%
2014-15	\$ 0.08200	74,872,348	-6.2740%	\$ 6,139,494.78	-2.6574%
2015-16	\$ 0.07132	76,328,046	1.9442%	\$ 5,444,052.43	-11.3274%
2016-17	\$ 0.07528	80,526,830	5.5010%	\$ 6,061,686.75	11.3451%

10 Year Difference					
Fiscal Years	Cost Per KWH	KWH	% Change	Cost	% Change
2007-08	0.05193	72,818,086		\$ 3,781,447.52	
2016-17	0.07528	80,526,830	10.5863%	\$ 6,061,686.75	<u>60.3007%</u>

As illustrated in these tables in the past 10 years the Department of Facilities Management has worked diligently to maintain control of the electrical consumption (KWH's). The energy saving programs we have established have maintained nearly the same usage we had 10 years ago despite the addition and renovation of several buildings on campus.

It should be noted that several factors cause peaks and valleys in electrical consumption per year with weather being a key factor.

Thankfully we have been able control KWH usage since utility costs have imcreased during this 10 year period from 5.1 cents per KWH to now 7.5 cents per KWH.

Be assured the Department of Facilities Management will continue to work to keep usage under control but we need the help of **everyone** on Campus to do their part to help control waste of electricity.

1. Turn off lights in classrooms, offices and dorm rooms when not in use
2. Make sure computers, copiers and printers are set for energy saving mode.
3. Turn off lights when you leave at night
4. Turn off all non-critical electronic equipment overnight

VI.

SERVICE CONTRACTS

**FACILITIES MANAGEMENT DEPARTMENT
2016 - 2017 ANNUAL REPORT
MAINTENANCE SERVICE CONTRACTS - FACIL**

INDIANA STATE UNIVERSITY

Company	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017
Neopost (Addressing Machine, Bag Tagger)	\$ 7,455.84	\$ 8,080.10	\$ 18,021.36	\$ 8,350.38	\$ 14,489.12	\$ 18,135.26	\$ 7,233.61
Oracle Elevator	\$ 83,880.00	\$ 82,929.60					
Oracle Elevator (Not covered by Maintenance Contract)	\$ 14,863.92	\$ 9,910.45					
General Communications (Repairs to base station, radio & antenas)	\$ 3,029.65	\$ 12,974.30	\$ 14,170.80	\$ 14,170.80	\$ -	\$ -	\$ -
Trierweiler Pest Control	\$ 2,863.28	\$ 3,481.52	\$ 3,543.21	\$ 3,836.26	\$ 1,106.52		
Ecology Pest Control (Day Care Center)					\$ 585.00	\$ 780.00	\$ 780.00
The Bugman Pest Control					\$ 5,555.00	\$ 7,650.00	\$ 11,783.00
TOTAL	\$ 112,092.69	\$ 117,375.97	\$ 35,735.37	\$ 26,357.44	\$ 21,735.64	\$ 26,565.26	\$ 19,796.61

COST FOR FISCAL YEAR 2016-2017	\$ 19,796.61
COST FOR FISCAL YEAR 2015-2016	\$ 26,565.26
COST FOR FISCAL YEAR 2014-2015	\$ 21,735.64
COST FOR FISCAL YEAR 2013-2014	\$ 26,357.44
COST FOR FISCAL YEAR 2012-2013	\$ 35,735.37
COST FOR FISCAL YEAR 2011-2012	\$ 117,375.97
COST FOR FISCAL YEAR 2010-2011	\$ 112,092.69
COST FOR FISCAL YEAR 2009-2010	\$ 108,459.85
COST FOR FISCAL YEAR 2008-2009	\$ 98,985.94
COST FOR FISCAL YEAR 2007-2008	\$ 115,584.51
COST FOR FISCAL YEAR 2006-2007	\$ 113,158.00

VII.

**CUSTODIAL SERVICES / WASTE
MANAGEMENT**

CUST. PER BLDG.	BUILDING	AREA SQ. FT.	LABOR COST	LABOR SQ. FT. COST	MATERIAL COST	MATL SQ. FT. COST	TOTAL COST	TOTAL SQ. FT. COST
0.53	Academic Enrichment Center	3,481	\$ 13,559.35	\$ 3.90	\$ 337.32	\$ 0.10	\$ 13,896.67	\$ 3.99
0.53	African American Cultural Center	8,200	\$ 13,559.35	\$ 1.65	\$ 661.99	\$ 0.08	\$ 14,221.34	\$ 1.73
0.47	Animal Facilities Building (THMED)	4,500	\$ 12,024.32	\$ 2.67	\$ 398.44	\$ 0.09	\$ 12,422.76	\$ 2.76
0.53	Art Annex	13,800	\$ 13,559.35	\$ 0.98	\$ 630.80	\$ 0.05	\$ 14,190.15	\$ 1.03
0.75	Career Center	12,930	\$ 19,187.75	\$ 1.48	\$ 941.68	\$ 0.07	\$ 20,129.43	\$ 1.56
0.13	Center for Multimedia Design	1,783	\$ 3,325.88	\$ 1.87	\$ -	\$ -	\$ 3,325.88	\$ 1.87
0.47	Central Heating Plant (Power Plant)	27,000	\$ 12,024.32	\$ 0.45	\$ 940.51	\$ 0.03	\$ 12,964.83	\$ 0.48
0.05	Central Stores	800	\$ 1,279.18	\$ 1.60	\$ 84.50	\$ 0.11	\$ 1,363.68	\$ 1.70
2.00	Dreiser Hall	51,809	\$ 51,167.34	\$ 0.99	\$ 2,217.87	\$ 0.04	\$ 53,385.21	\$ 1.03
0.53	Facilities Management & Purchasing	69,169	\$ 13,559.35	\$ 0.20	\$ 2,258.68	\$ 0.03	\$ 15,818.03	\$ 0.23
	¹ (Facilities Management Annex)	4,960	\$ -	\$ -	\$ 1,665.82	\$ 0.34	\$ 1,665.82	\$ 0.34
0.90	Fairbanks Hall	17,760	\$ 23,025.30	\$ 1.30	\$ 1,508.83	\$ 0.08	\$ 24,534.13	\$ 1.38
4.00	Federal Hall (Scott College of Business)	84,390	\$ 102,334.68	\$ 1.21	\$ 7,135.94	\$ 0.08	\$ 109,470.62	\$ 1.30
2.00	Fine Arts Building	63,379	\$ 51,167.34	\$ 0.81	\$ 2,868.12	\$ 0.05	\$ 54,035.46	\$ 0.85
0.05	Garden House	1,696	\$ 1,279.18	\$ 0.75	\$ 111.87	\$ 0.07	\$ 1,391.05	\$ 0.82
2.00	Gillum Hall	48,830	\$ 51,167.34	\$ 1.05	\$ 3,406.40	\$ 0.07	\$ 54,573.74	\$ 1.12
0.53	Grounds Maintenance	6,500	\$ 13,559.35	\$ 2.09	\$ 1,605.26	\$ 0.25	\$ 15,164.61	\$ 2.33
4.00	³ Health & Human Services (Arena)	293,846	\$ 102,334.68	\$ 0.35	\$ 10,595.64	\$ 0.04	\$ 112,930.32	\$ 0.38
3.00	Holmstedt Hall	99,324	\$ 76,751.01	\$ 0.77	\$ 5,655.01	\$ 0.06	\$ 82,406.02	\$ 0.83
1.00	John Moore Welcome Center	22,847	\$ 25,583.67	\$ 1.12	\$ 2,674.97	\$ 0.12	\$ 28,258.64	\$ 1.24
3.00	John T. Myers Technology Center	110,000	\$ 76,751.01	\$ 0.70	\$ 6,933.99	\$ 0.06	\$ 83,685.00	\$ 0.76
1.00	Landini Center for Performing & Fine Arts	41,604	\$ 25,583.67	\$ 0.61	\$ 2,869.06	\$ 0.07	\$ 28,452.73	\$ 0.68
1.00	Landsbaum Center for Health Education	27,502	\$ 25,583.67	\$ 0.93	\$ 3,675.99	\$ 0.13	\$ 29,259.66	\$ 1.06
3.00	² Library, Cunningham Memorial	172,356	\$ 76,751.01	\$ 0.45	\$ 13,392.23	\$ 0.08	\$ 90,143.24	\$ 0.52
0.70	Memorial Stadium	15,885	\$ 17,908.57	\$ 1.13	\$ 2,430.23	\$ 0.15	\$ 20,338.80	\$ 1.28
0.20	Michael Simmons Activity Center	2,050	\$ 5,116.73	\$ 2.50	\$ 241.02	\$ 0.12	\$ 5,357.75	\$ 2.61
0.47	New Theater	12,971	\$ 12,024.32	\$ 0.93	\$ 1,281.70	\$ 0.10	\$ 13,306.02	\$ 1.03
1.00	Normal Hall	33,125	\$ 25,583.67	\$ 0.77	\$ 3,054.60	\$ 0.09	\$ 28,638.27	\$ 0.86
1.00	Nursing Building**	40,083	\$ 25,583.67	\$ 0.64	\$ 3,831.76	\$ 0.10	\$ 29,415.43	\$ 0.73
0.10	Parking Garage (Stairwells & Elevators)	5,600	\$ 2,558.37	\$ 0.46	\$ 58.21	\$ 0.01	\$ 2,616.58	\$ 0.47
0.25	Public Safety	5,784	\$ 6,395.92	\$ 1.11	\$ 1,796.66	\$ 0.31	\$ 8,192.58	\$ 1.42
3.53	Root Hall	94,620	\$ 90,310.36	\$ 0.95	\$ 10,228.04	\$ 0.11	\$ 100,538.40	\$ 1.06
3.87	² Science Building	260,192	\$ 99,008.80	\$ 0.38	\$ 13,912.07	\$ 0.05	\$ 112,920.87	\$ 0.43
0.47	Science North (Animal Lab)	6,535	\$ 12,024.32	\$ 1.84	\$ 217.01	\$ 0.03	\$ 12,241.33	\$ 1.87
2.00	Stalker Hall	46,972	\$ 51,167.34	\$ 1.09	\$ 5,554.33	\$ 0.12	\$ 56,721.67	\$ 1.21
2.00	Sycamore Wellness & Applied Medicine	54,476	\$ 51,167.34	\$ 0.94	\$ 5,177.29	\$ 0.10	\$ 56,344.63	\$ 1.03
1.00	Technology Building Annex	51,962	\$ 25,583.67	\$ 0.49	\$ 2,314.03	\$ 0.04	\$ 27,897.70	\$ 0.54
4.00	University Hall (Bayh College of Education)	157,119	\$ 102,334.68	\$ 0.65	\$ 9,117.34	\$ 0.06	\$ 111,452.02	\$ 0.71

CUST. PER BLDG.	BUILDING	AREA SQ. FT.	LABOR COST	LABOR SQ. FT. COST	MATERIAL COST	MATL. SQ. FT. COST	TOTAL COST	TOTAL SQ. FT. COST
4.00	University Pavilion: Parsons/Rankin/Tirey Halls	177,709	\$ 102,334.68	\$ 0.58	\$ 10,365.49	\$ 0.06	\$ 112,700.17	\$ 0.63
56.06	+ * Full-Time Equivalent Positions	2,153,549	\$ 1,434,220.54	\$ 0.67	\$ 142,150.70	\$ 0.07	\$ 1,576,371.24	\$ 0.73
4.00	Supervisors - Custodial & Senior Custodial							
60.06	2016-2017 TOTALS	2,153,549	\$ 1,434,220.54	\$ 0.67	\$ 142,150.70	\$ 0.07	\$ 1,576,371.24	\$ 0.73

+ Employees cover an average of 38,415 square feet each daily, plus additional square feet created by employee absences.

Note: Supplies dispensed from custodial supply room that have not been included in any building square footage cost above.

Athletics Strength & Conditioning Training Facility	\$ 216.57	Recycle Center	\$ 158.95
Bob Warn Baseball Stadium	\$ 639.68	St. John Softball Complex	\$ 239.38
Gibson Track & Field Complex	\$ 580.79	Sycamore Outdoor Center (Brazil)	\$ 206.88
Early Childhood Education Center (Daycare)	\$ 5,967.81		
Mail Services	\$ 4.88	Total Additional Supplies	\$ 8,014.94

*Two employees work the evening shift (4:00 p.m.-12:00 p.m.) and are assigned areas for a part of the shift daily covering room reservations, some carpet care, and after-hour custodial needs for Cunningham Memorial Library and other buildings. These employees also provide additional coverage for various intramural activities at Health and Human Services Building, Stadium, Sycamore Field, and Dede Plaza. They are responsible for building lockup, but that time has not been calculated in the custodial cost. (Daily time on lockup for each employee amounts to 3.5 hrs or .47 of 7.5 hrs.)

¹One Temporary employee daily for 2 hours or .27 of 7.5 hours.

²Three Temporary employees daily for 4 hours or .53 of 7.5 hours: 2 in Science and 1 in Library.

³During the season, one position cleans at Baseball and Softball an average of .25 of 7.5 hours.

**We employ up to ten part-time student custodians during the fall and spring semesters at 4.0 hours per day per each.

CUSTODIAL COST HISTORY

TOTAL CUST	FISCAL YEAR	AREA SQ. FT.	LABOR COST	LABOR SQ. FT. COST	MATERIAL COST	MATL. SQ. FT. COST	TOTAL COST	TOTAL SQ. FT. COST
56.06	▲ 2016-2017	2,153,549	\$ 1,434,220.54	\$ 0.67	\$ 142,150.70	\$ 0.07	\$ 1,576,371.24	\$ 0.73
57.06	▲ 2015-2016	2,153,549	\$ 1,411,436.16	\$ 0.66	\$ 156,310.55	\$ 0.07	\$ 1,567,746.71	\$ 0.73
57.92	▲ 2014-2015	2,117,064	\$ 1,357,164.16	\$ 0.64	\$ 153,907.99	\$ 0.07	\$ 1,511,072.15	\$ 0.71
60.47	▲ 2013-2014	2,148,716	\$ 1,334,802.56	\$ 0.62	\$ 157,106.92	\$ 0.07	\$ 1,491,909.48	\$ 0.69
59.27	▲ 2012-2013	2,139,496	\$ 1,282,544.36	\$ 0.59	\$ 149,590.63	\$ 0.07	\$ 1,432,134.99	\$ 0.67
62.61	▲ 2011-2012	2,259,257	\$ 1,328,577.61	\$ 0.59	\$ 134,628.04	\$ 0.06	\$ 1,463,205.65	\$ 0.65
62.61	▲ 2010-2011	2,259,257	\$ 1,295,467.89	\$ 0.57	\$ 113,783.35	\$ 0.05	\$ 1,409,251.24	\$ 0.62
77.00	▲ 2009-2010	2,259,257	\$ 1,472,920.72	\$ 0.65	\$ 123,169.32	\$ 0.05	\$ 1,596,090.03	\$ 0.71
80.00	▲ 2008-2009	2,273,574	\$ 1,538,257.33	\$ 0.68	\$ 135,672.71	\$ 0.06	\$ 1,673,930.03	\$ 0.74
81.00	▲ 2007-2008	2,273,574	\$ 1,618,249.74	\$ 0.71	\$ 120,032.57	\$ 0.05	\$ 1,738,282.32	\$ 0.76
80.63	▲ 2006-2007	2,273,574	\$ 1,571,499.03	\$ 0.69	\$ 123,399.66	\$ 0.05	\$ 1,694,898.69	\$ 0.75
76.00	▲ 2005-2006	2,463,643	\$ 1,562,873.96	\$ 0.63	\$ 96,623.68	\$ 0.04	\$ 1,659,497.64	\$ 0.67

NOTE ▲ Labor charges were computed by using an averaged salary for employees on staff at end of fiscal year.

\$22,172.80 (AVERAGE SALARY 2013/2014)
 \$23,456.00 (AVERAGE SALARY 2014/2015)
 \$24,736.00 (AVERAGE SALARY 2015/2016)
 \$25,583.67 (AVERAGE SALARY 2016/2017)

FTE estimated
 FTE actual
 FTE actual
 FTE actual

2016-17 Recycle Review

Overall recycle collection increased by 5% from the previous year with 1,973,344 pounds received from the ISU drive through facility and the ISU Campus combined. This is an increase of 100,300 pounds of material. There was a 43% decrease in E-scrap and increases in cardboard, books, colored/mixed paper, printers mix, glass and plastic.

The ISU Campus was involved in the national RecycleMania 2017 competition, which was a ten week period from January 22, 2017 through April 1, 2017. The total amount of recycle material collected during the period from campus was 110,908 pounds. This is a 60% increase in materials collected compared to the previous year. The total waste for the period was 515,960 pounds. This is a 6% decrease from the previous year. The ISU Recycle Center received an award at the Indiana Recycling Coalition Conference in June for collecting the most in the areas of paper, corrugated cardboard, bottles and cans during the RecycleMania competition in the State of Indiana. We have received awards six years out of seven years for our competition in RecycleMania.

We continue reviewing additional items to collect from the waste stream and plan to increase overall totals.

Respectfully Submitted

A handwritten signature in black ink that reads "Paul A. Reed". The signature is written in a cursive style with a large initial 'P' and 'R'.

Paul A. Reed
Manager, Recycling & Waste Management

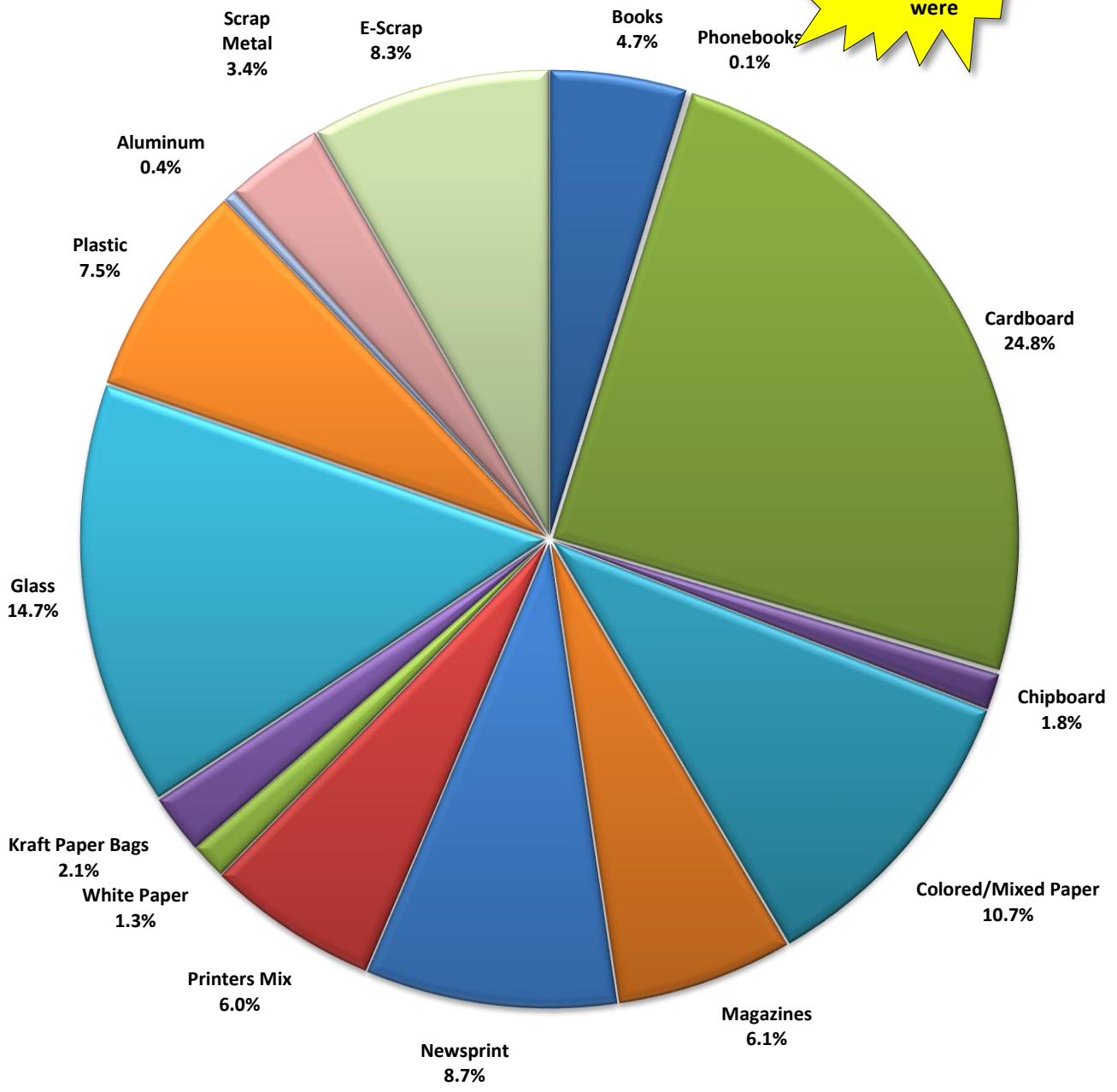


ISU RECYCLE CENTER - TOURS/PRESENTATIONS/EVENTS
Fiscal Year 2016-2017
(2,435 participants)

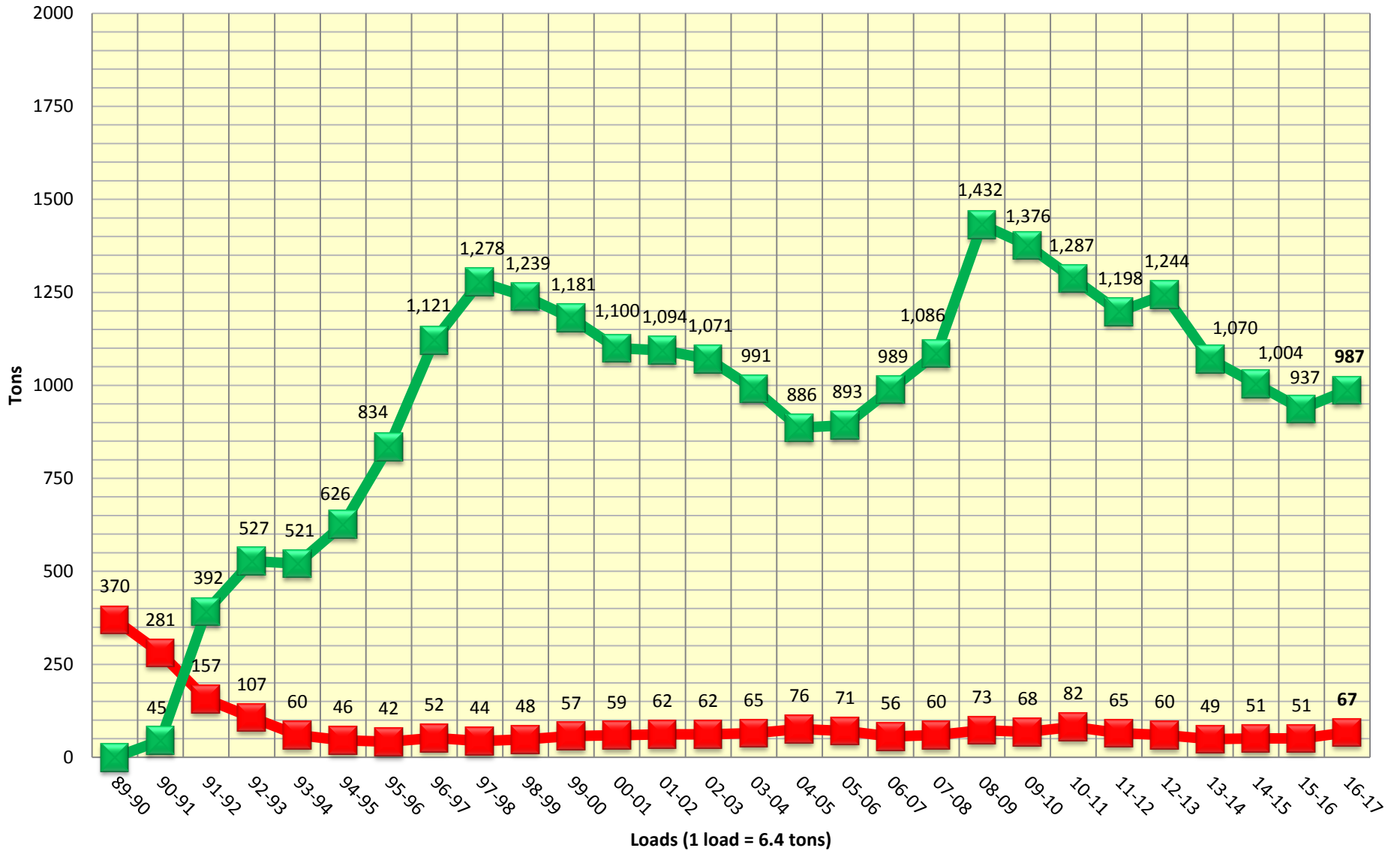
2016	FALL SEMESTER	#att		2017	SPRING SEMESTER	#att
7/12/2016	ISU Camp Invention	21		2/15/2017	ISU HRD 335	32
7/13/2016	ISU Camp Invention	14		3/16/2017	Breakfast Optimist Club	22
7/14/2016	ISU Camp Invention	21		3/23/2017	Deming Elementary/Trees	300
7/18/2016	ISU Camp Invention	25		3/28/2017	Union Hospital Environmental Svcs	2
7/19/2016	ISU Camp Invention	28		4/11/2017	Ernie Pyle Elem. School 4th Grade	34
7/20/2016	ISU Camp Invention	15		4/18/2017	Campus Ministries	20
7/21/2016	ISU Camp Invention	20		4/25/2017	Kimmie's Kids Daycare	17
7/22/2016	ISU Camp Invention	20		4/27/2017	ISU Student	1
8/3/2016	YMCA Summer Day Camp	38		5/1/2017	Dixie Bee Girl Scouts	27
8/3/2016	YMCA Summer Day Camp	23		5/9/2017	Fayette Elementary Kindergarten	61
8/3/2016	YMCA Summer Day Camp	40		5/16/2017	Parke Co Conservation Day 5th Gr	186
9/6/2016	Brazil Home School Group	55		6/22/2017	Dawn's Daycare	12
9/13/2016	Sugar Grove Elem. 5th Grade	61		6/23/2017	YMCA Summer Day Camp	50
9/13/2016	Terre Town Elementary 5th Grade	103		6/23/2017	YMCA Summer Day Camp	50
9/13/2016	Dixie Bee Elementary 5th Grade	102				
9/13/2016	Rio Grande Elementary 5th Grade	82				
9/13/2016	Hoosier Prairie Elem. 5th Grade	55				
9/14/2016	West Vigo Elementary 5th Grade	29				
9/14/2016	Meadows Elementary 5th Grade	45				
9/14/2016	DeVaney Elementary 5th Grade	81				
9/14/2016	Davis Park Elementary 5th Grade	59				
9/14/2016	Consolidated Elem. 5th Grade	63				
9/14/2016	Fayette Elementary 5th Grade	32				
9/14/2016	Lost Creek Elementary 5th Grade	92				
9/15/2016	Saint Patrick's Elem. 5th Grade	30				
9/15/2016	Riley Elementary 5th Grade	69				
9/15/2016	Ouabache Elementary 5th Grade	44				
9/15/2016	Fuqua Elementary 5th Grade	48				
9/15/2016	Franklin Elementary 5th Grade	48				
9/15/2016	Farrington Grove Elem. 5th Grade	66				
9/15/2016	Deming Elementary 5th Grade	49				
9/20/2016	ISU HRD 335	25				
11/11/2016	ISU EHS 210	28				
11/12/2016	Alpha Kappa Alpha	15				
12/1/2016	ISU AHS 111	31				
12/1/2016	ISU AHS 111	33				
12/7/2016	ISU COT Safety Class	11				

**ISU Recycle Center
2016-2017 All Outgoing Recycling
1,973,344 pounds
986.7 tons**

**66.3% of
all
recycling
were**



ISU Recycle Center through 2016-2017 Fiscal Year Landfill (loads) vs. Recycling (tons)



VIII.

MAIL SERVICES


UNIVERSITY MAIL/POSTAL SERVICES

Incoming mail from the USPS totaled 668,921 pieces consisting of letters, flats, parcels and accountable mail. This is a decrease of 3% from the previous year. There were also 41,812 pieces of campus mail sorted and delivered to campus departments, which is a 21% increase. Outgoing presort mail consisted of 126,868 pieces sent to Diversified Mail Services in Indianapolis. This was a 17% decrease in presort mail. Bulk mail processing for campus departments totaled 949,359 pieces, which is a 36% increase from the previous year. First Class mail processed through the University departmental postage meter amounted to 165,331 pieces, which reflects a 1% increase. Total mail pieces handled by ISU Mail Services staff for fiscal year 2016-17 totaled approximately 2,003,612 which is an overall increase of 12%.

ISU Mail Services provides postal services to the downtown community and interested University employees and students through a Pitney Bowes kiosk. The kiosk accepts credit cards only. The kiosk allows patrons to mail letters, flats and packages in a self service fashion. Total users and transactions for the period are unavailable due to an ongoing software report issue. There were 1044 stamps sold through our stamp vending machine. Post Office boxes continue to be the responsibility of the USPS.

Respectfully Submitted

Sheri Hughes
Manager, University Mail/Postal Services



Paul A. Reed
Manager, Custodial & Special Services



IX.

FLEET MANAGEMENT SERVICES

As of July 1, 2017, the number of ISU owned licensed vehicles, total 119. We currently maintain 121, with the 2 Athletic trucks on loan from Wolf Auctions. We sold 5 vehicles and purchased 3 new ones.

Sold: From Grounds a 2001 Kia Sportage, from ISUPD a 2011 Ford Crown Vic, from Purchasing a 1996 Ford F150 and 2002 Mercury Villager, and from Facilities Management Electrical a 2001 Chevy bucket truck.

Purchased: For ISUPD a 2016 Ford Taurus, for Grounds a 2016 Nissan Frontier 4X4, and for Facilities Management a 2016 Ford F550 bucket truck.

Our licensed fleet ran a total of 447,416 miles. This is down 80,775 miles from FY 2015-2016 and at a maintenance cost of \$82,525.59. This year's cost per mile was approximately 18 cents, which was up 1 cent from last year. The current gas pump price is \$1.85 per gallon, which we have managed to maintain for over a year.

We also currently maintain 31 golf carts, 9 UTV's, 7 forklifts, 1 JLG boom lift and 10 trailers.



Timothy Keen
Fleet Management Supervisor

**FACILITIES MANAGEMENT DEPARTMENT
2016 - 2017 ANNUAL REPORT
VEHICLE EXPENSES - DEPARTMENTAL**

INDIANA STATE UNIVERSITY

DEPARTMENT VEHICLES IN SERVICE 103

VEHICLE	LIC. NO.	MODEL	DEPT	HOURS/ MILES	LABOR COST	MATERIAL & PARTS	TOTAL COST
04 EZ GO	C18	ELECT CART	ADMISSIONS	N/A	\$125.00	\$415.00	\$540.00
JD2030	2005	PROGator	ATHLETICS/BASEBALL	N/A	\$0.00	\$0.00	\$0.00
DEALER/LOANER	7751	CHEVY	ATHLETIC LOANER	2,724	\$118.75	\$283.25	\$402.00
DEALER/LOANER	7755	FORD	ATHLETIC LOANER	10,031	\$44.25	\$124.95	\$169.20
13 NISSAN	41	MAXIMA	ATHLETIC	5,948	\$43.75	\$148.50	\$192.25
	5	BOX TRAILER	ATHLETIC	N/A	\$0.00	\$0.00	\$0.00
02 CHEVY	7705	MALIBU	ATHLETIC	2,574	\$18.75	\$41.50	\$60.25
04 CHEVY	7730	MALIBU	ATHLETIC	12,154	\$68.75	\$86.85	\$155.60
02 DODGE	7746	CARAVAN	ATHLETIC TRAINING	4,739	\$12.50	\$15.00	\$27.50
2007	JD-TX	GATOR	ATHLETIC TRAINING CLINIC	N/A	\$62.50	\$45.80	\$108.30
02 CHEVY	7775	MALIBU	ATHLETIC	129	\$87.50	\$86.20	\$173.70
02 CHEVY	7863	MALIBU	ATHLETIC	5	\$31.25	\$0.00	\$31.25
04 BUICK	7927	CENTURY	ATHLETIC	14,783	\$175.00	\$578.10	\$753.10
02 CHEVY	7929	MALIBU	ATHLETIC	5,273	\$0.00	\$0.00	\$0.00
00 DODGE	7940	CARAVAN	ATHLETIC	4,335	\$87.50	\$418.40	\$505.90
01 NAVASTAR	7941	33 PASS BUS	ATHLETIC (Diesel Fuel)	1,234	\$381.25	\$1,644.82	\$2,026.07
JOHN DEERE	JD#2	GATOR	ATHLETIC	N/A	\$0.00	\$0.00	\$0.00
95 CLUB CAR	37	GOLF CART	ATHLETIC	N/A	\$31.25	\$32.00	\$63.25
04 BUICK	7968	CENTURY	ATHLETIC	577	\$62.50	\$198.50	\$261.00
04 BUICK	7988	CENTURY	ATHLETIC	10,182	\$118.75	\$353.05	\$471.80
04 CHEVY	7993	VENTURE	ATHLETIC	12,039	\$87.50	\$180.10	\$267.60
08 CHEVY	8054	29 PASS BUS	ATHLETIC	1,276	\$118.75	\$268.50	\$387.25
2005 F150	22	FORD	AVIATION TECHNOLOGY	1,840	\$37.50	\$39.35	\$76.85
92 FORD	7979	BOX VAN	BAND/ MUSIC	371	\$12.50	\$527.92	\$540.42
00 CLUB CAR	C3-A	CLUB	CONTROLLERS OFFICE	N/A	\$68.75	\$35.00	\$103.75
9	8035	BOX TRAILER	BIOLOGY	N/A	\$0.00	\$0.00	\$0.00
08 TOYOTA	8041	TACOMA	BIOLOGY	11,617	\$18.75	\$49.25	\$68.00
01 FORD	8003	4X4	BIOLOGY	7,893	\$37.50	\$50.00	\$87.50
99 DODGE	7838	GRD CARA.	BIOLOGY	395	\$75.00	\$28.25	\$103.25
04 TOYOTA	7791	TACOMA	BIOLOGY	1,546	\$31.25	\$342.00	\$373.25
04 FORD	7747	EXPLORER	BIOLOGY	6,155	\$593.75	\$1,554.75	\$2,148.50
03 TOYOTA	8028	TACOMA	BIOLOGY	11,705	\$412.00	\$1,017.00	\$1,429.00
03 TOYOTA	8029	TACOMA	BIOLOGY	9,245	\$37.50	\$51.25	\$88.75
04 TOYOTA	7703	TACOMA	BIOLOGY	6,706	\$100.00	\$228.75	\$328.75
11 TOYOTA	6	TACOMA	BIOLOGY	7,747	\$81.25	\$289.25	\$370.50
99 CHEVY	7971	VAN	BIOLOGY	685	\$18.75	\$5.00	\$23.75
98 FORD	7986	VAN	BIOLOGY	1,205	\$25.00	\$55.75	\$80.75
16 TRAILOR	43	TRAILOR	BUILT ENVIRONMENT	N/A	\$12.50	\$15.00	\$27.50
14 FORD	31	FORD	EARTH & ENV. SYSTEMS	7,996	\$106.25	\$578.75	\$685.00
15 DODGE	36	DODGE	EARTH & ENV. SYSTEMS	4,608	\$62.50	\$0.00	\$62.50
98 GIDDINGS	8008	SOIL DRILLER	EARTH & ENV. SYSTEMS	N/A	\$62.50	\$122.35	\$184.85
99 FORD	7994	4x4	EARTH & ENV. SYSTEMS	1	\$75.00	\$192.50	\$267.50
01 CHEVY	8014	SUBURBAN	EARTH & ENV. SYSTEMS	5,460	\$75.00	\$53.00	\$128.00
02 DODGE	7998	GD. CARAVAN	EARTH & ENV. SYSTEMS	1,490	\$25.00	\$29.50	\$54.50
01 FORD	7743	F150	ENVIRO. SAFETY	748	\$148.75	\$189.25	\$338.00
96 DODGE	8005	N/A	ENVIRO. SAFETY	1,057	\$87.50	\$1,234.27	\$1,321.77
00 CLUB CAR	16	CARRY ALL	ENVIRO. SAFETY	N/A	\$75.00	\$1,670.00	\$1,745.00
13 TOYOTA	AA1315	AVALON	EXTERNAL RELATIONS	23,300	\$75.00	\$197.75	\$272.75
06 HONDA	7812	ODYSSEY	SCH. OF BUSINESS NET		\$0.00	\$0.00	\$0.00
01 DODGE	7726	VAN	HULMAN STUDENT U.	1,681	\$106.25	\$412.05	\$518.30
90 CHEVY	7963	VAN	HULMAN CIVIC CENTER	407	\$31.25	\$173.20	\$204.45
01 DODGE	7725	VAN	HULMAN CIVIC CENTER	322	\$100.00	\$132.50	\$232.50
08 LONE STAR	8059	FLAT TRAILER	HULMAN CIVIC CENTER	N/A	\$0.00	\$0.00	\$0.00
ENCLOSED	8043	4 WHEEL TRAILER	MOTOR SPORTS	N/A	\$0.00	\$0.00	\$0.00
06 CHEVY	7735	IMPALA	PUBLIC SAFETY	6,275	\$93.75	\$226.75	\$320.50

**FACILITIES MANAGEMENT DEPARTMENT
2016 - 2017 ANNUAL REPORT
VEHICLE EXPENSES - DEPARTMENTAL**

INDIANA STATE UNIVERSITY

DEPARTMENT VEHICLES IN SERVICE 103

VEHICLE	LIC. NO.	MODEL	DEPT	HOURS/ MILES	LABOR COST	MATERIAL & PARTS	TOTAL COST
08 FORD	8052	RANGER	PUBLIC SAFETY	1,215	\$50.00	\$157.50	\$207.50
10 FORD	8073	CROWN VIC.	PUBLIC SAFETY	1,274	\$18.75	\$24.00	\$42.75
08 FORD	946ABP	EXPLORER	PUBLIC SAFETY	5,514	\$62.50	\$198.25	\$260.75
08 CLUB CAR	C08	GOLF CART	PUBLIC SAFETY	N/A	\$0.00	\$0.00	\$0.00
07 YAMAHA	PC11	GOLF CART	PUBLIC SAFETY	N/A	\$0.00	\$0.00	\$0.00
13 CLUB CAR	S12	GOLF CART	PUBLIC SAFETY	N/A	\$87.50	\$297.90	\$385.40
14 CLUB CAR	S14	GOLF CART	PUBLIC SAFETY	N/A	\$43.75	\$11.50	\$55.25
15 YAM	S15	GOLF CART	PUBLIC SAFETY	N/A	\$68.75	\$52.00	\$120.75
13 CLUB CAR	PC12	GOLF CART	PUBLIC SAFETY	N/A	\$25.00	\$41.50	\$66.50
2014	P14	GOLF CART	PUBLIC SAFETY	N/A	\$50.00	\$89.25	\$139.25
2015	P15	GOLF CART	PUBLIC SAFETY	N/A	\$0.00	\$0.00	\$0.00
2015	U-15	POLARIS	PUBLIC SAFETY	4,972	\$387.50	\$1,747.00	\$2,134.50
16 YAM	S16	GOLF CART	PUBLIC SAFETY	N/A	\$112.50	\$197.50	\$310.00
12 DODGE	18	CHARGER	PUBLIC SAFETY	9,098	\$337.00	\$672.39	\$1,009.39
12 DODGE	19	CHARGER	PUBLIC SAFETY	6,871	\$168.75	\$650.75	\$819.50
14 FORD	29	EXPLORER	PUBLIC SAFETY	13,665	\$162.00	\$2,110.23	\$2,272.23
16 FORD	38	EXPLORER	PUBLIC SAFETY	12,606	\$118.25	\$146.25	\$264.50
13 NISSAN	41	MAXIMA	PUBLIC SAFETY	5,948	\$37.50	\$20.00	\$57.50
16 FORD	42	EXPLORER	PUBLIC SAFETY	11,179	\$18.75	\$23.25	\$42.00
14 CLUB CAR	C123	6 PASS CART	PROVOST	N/A	\$31.25	\$33.50	\$64.75
15 BUICK	AA11	ENCLAVE	PRESIDENT	6,047	\$75.00	\$13.25	\$88.25
94 CLUB	3	CART	PURCHASING/ STORES	N/A	\$62.50	\$116.34	\$178.84
MELEX	4	CART	PURCHASING/ STORES	N/A	\$18.75	\$9.00	\$27.75
TOYOTA	TOYOTA 1	FORK LIFT	PURCHASING/ STORES	N/A	\$12.50	\$98.50	\$111.00
TOYOTA	TOYOTA 2	FORK LIFT	PURCHASING/ STORES	N/A	\$12.50	\$74.61	\$87.11
00 FORD	7964	F550 BOX VAN	PURCHASING/ STORES	1,091	\$125.00	\$127.75	\$252.75
EQUIP	EQUIP	EQUIPMENT	PURCHASING/ STORES	N/A	\$18.75	\$86.85	\$105.60
02 CHEVY	7742	VAN	RES LIFE/HOUSING	1,255	\$131.25	\$123.50	\$254.75
97 CHEVY	7704	ASTRO	RES LIFE/HOUSING	3,041	\$87.50	\$894.20	\$981.70
00 FORD	7718	E-150 VAN	RES LIFE/HOUSING	1,918	\$50.00	\$99.75	\$149.75
93 FORD	7815	VAN	RES LIFE/HOUSING	920	\$87.50	\$156.95	\$244.45
99 MERCURY	7999	VILLAGER	RES LIFE/HOUSING (Natural Gas)	2,400	\$150.00	\$503.46	\$653.46
95 FORD	7983	VAN	RES LIFE/HOUSING	1,772	\$50.00	\$223.75	\$273.75
08 CHEVY	8053	SILVERADO	RES LIFE/HOUSING	3,799	\$0.00	\$0.00	\$0.00
97 FORD	7875	F150	RES LIFE/HOUSING	1,643	\$131.25	\$208.75	\$340.00
99 FORD	7942	F550 XL S	RES LIFE/HOUSING	566	\$112.50	\$183.50	\$296.00
03 FORD	8051	P/U	RES LIFE/HOUSING	3,000	\$137.50	\$223.75	\$361.25
07 DODGE	8066	CARAVAN	RES LIFE/HOUSING	2,770	\$37.50	\$128.00	\$165.50
15 KUBOTA	RES 1	TRACTOR	RES LIFE/HOUSING	N/A	\$37.50	\$25.25	\$62.75
16 KUBOTA	RES 2	CART	RES LIFE/HOUSING	N/A	\$75.00	\$68.20	\$143.20
16 KUBOTA	RES 3	CART	RES LIFE/HOUSING	N/A	\$68.75	\$65.50	\$134.25
16 CLUB CAR	RES 4	CART	RES LIFE/HOUSING	N/A	\$0.00	\$0.00	\$0.00
	7995	BOAT TRAILER	SYCAMORE OUTDOOR CNT	N/A	\$0.00	\$0.00	\$0.00
99 FORD	7938	RANGER	SYCAMORE OUTDOOR CNT	664	\$25.00	\$123.75	\$148.75
14 KAW	MULE 2	MULE 610	STUDENT RECREATION CNT.	N/A	\$37.50	\$0.00	\$37.50
03 CHEVY	8027	VENTURE	TELECOMMUNICATIONS	2,048	\$6.25	\$30.00	\$36.25
00 DODGE	7832	CARAVAN	TELECOMMUNICATIONS	1,417	\$62.50	\$154.50	\$217.00
05WORK HRS	3	STEP VAN	THEATER	1,577	\$162.50	\$141.66	\$304.16
GRAND TOTAL 2016 - 2017				316,728	\$7,916.00	\$24,774.45	\$32,690.45
GRAND TOTAL 2015 - 2016				400,087	\$7,747.25	\$36,278.91	\$44,026.16

** For further detailed information on any individual vehicle listed (ie. gal, mpg) please contact Facilities Management @ 237-3620

**FACILITIES MANAGEMENT DEPARTMENT
2016 - 2017 ANNUAL REPORT
VEHICLE EXPENSES - FACILITIES MANAGEMENT**

INDIANA STATE UNIVERSITY

FACILITIES MANAGEMENT VEHICLES IN SERVICE (81)

VEHICLE	LIC. NO.	MODEL	DEPT	MILES/HOURS	LABOR COST	MATERIALS & PARTS	TOTAL COST
93 ISUZU	7980	PICKUP	A/C	241	\$0.00	\$0.00	\$0.00
00 GMC	8012	TRUCK	A/C	6,482	\$231.25	\$651.05	\$882.30
07 FORD	8048	E250	A/C	7,223	\$43.75	\$122.75	\$166.50
98 FORD	7714	E350 VAN	CARPENTERS	2,570	\$343.75	\$3,368.50	\$3,712.25
01 DODGE	7756	TRUCK	CARPENTERS	828	\$37.50	\$38.00	\$75.50
07 FORD	8049	E250	CARPENTERS	3,995	\$81.25	\$330.00	\$411.25
97 CLUB CAR	1	CLUB CAR	CARPENTERS	N/A	\$75.00	\$229.00	\$304.00
96 CLUB CAR	10	CAR	CARPENTERS	N/A	\$50.00	\$116.00	\$166.00
11 JLG	JLG 450	HI LIFT	CARPENTERS	N/A	\$0.00	\$0.00	\$0.00
13 CLUB CAR	F19	CLUB CAR	CARPENTERS	N/A	\$12.50	\$6.50	\$19.00
02 CLUB CAR	7	CARRY ALL	CENTRAL HEATING PLANT	N/A	\$106.25	\$472.20	\$578.45
02 CLUB CAR	8	CARRY ALL	CENTRAL HEATING PLANT	N/A	\$87.50	\$110.00	\$197.50
CAT	CAT3	FORK LIFT	CENTRAL HEATING PLANT	N/A	\$0.00	\$0.00	\$0.00
03 FORD	7702	E250	CENTRAL HEATING PLANT	339	\$18.75	\$41.75	\$60.50
02 DODGE	7757	DODGE	CUSTODIAL/REC.	825	\$50.00	\$249.55	\$299.55
01 CUSHMAN	7786	REFUSE	CUSTODIAL/REC.	1,414	\$725.00	\$1,427.00	\$2,152.00
01 CUSHMAN	7800	REFUSE	CUSTODIAL/REC.	2,359	\$750.00	\$944.60	\$1,694.60
13 COLUMBIA	R1	REFUSE	CUSTODIAL/REC.	N/A	\$118.75	\$238.00	\$356.75
94 ISUZU	7868	DUMP	CUSTODIAL/REC.	4,589	\$137.50	\$169.00	\$306.50
97 ISUZU	7917	TRUCK	CUSTODIAL/REC.	3,411	\$406.25	\$2,161.22	\$2,567.47
03 FORD	7976	TRUCK	CUSTODIAL/REC.	3,219	\$231.25	\$115.75	\$347.00
03 CHEVY	8025	VENTURE	CUSTODIAL/REC.	1,500	\$75.00	\$130.75	\$205.75
03 CHEVY	8026	VENTURE	CUSTODIAL/REC.	4,059	\$100.00	\$203.05	\$303.05
02 E-Z-GO	9	SHUTTLE CART	CUSTODIAL/REC.	N/A	\$37.50	\$29.45	\$66.95
05 CLUB CAR	15	CART	CUSTODIAL/REC.	N/A	\$112.50	\$758.65	\$871.15
CAT	CAT 2	FORK LIFT	CUSTODIAL/REC.	N/A	\$193.75	\$379.74	\$573.49
07 CLARK	CLARK 2	FORK LIFT	CUSTODIAL/REC.	N/A	\$12.50	\$15.00	\$27.50
09 CLARK	MITSH 1	FORK LIFT	CUSTODIAL/REC.	N/A	\$162.50	\$194.50	\$357.00
08 E-Z-GO	N/A	CART	DISTANCE SUPPORT	N/A	\$0.00	\$0.00	\$0.00
00 FORD	7701	CARGO VAN	ELECTRICIANS	1,293	\$162.50	\$608.95	\$771.45
04 FORD	7732	F250	ELECTRICIANS	2,555	\$68.75	\$225.25	\$294.00
99 FORD	7761	F150 4X4	ELECTRICIANS	860	\$100.00	\$1,642.50	\$1,742.50
06 FORD	7923	F250	ELECTRICIANS	2,141	\$93.75	\$649.00	\$742.75
16 FORD	46	BUCKET TRK F550	ELECTRICIANS	110	\$75.00	\$406.50	\$481.50
04 FORD	8031	F250 PICK-UP	ELECTRICIANS	3,288	\$181.25	\$814.75	\$996.00
03 CLUB CAR	87	CARRY-ALL	ELECTRICIANS	N/A	\$100.00	\$456.25	\$556.25
03 CLUB CAR	11	CARRY-ALL	ELECTRICIANS	N/A	\$0.00	\$0.00	\$0.00
16 TRAILER	44	TRAILER	F/M OFFICE	N/A	\$18.75	\$36.50	\$55.25
01 FORD	7796	ESCAPE	F/M OFFICE	888	\$181.25	\$173.00	\$354.25
02 CHEVY	8019	MALIBU	F/M OFFICE	1,124	\$106.25	\$193.60	\$299.85
09 FORD	8058	ESCAPE HYBRID	F/M OFFICE	1,165	\$37.50	\$70.15	\$107.65
16 FORD	40	F150	F/M OFFICE	2,507	\$62.50	\$61.00	\$123.50
04 CLUB CAR	83	CART	F/M OFFICE	N/A	\$137.58	\$233.65	\$371.23
05 CLUB CAR	13	CART	F/M OFFICE	N/A	\$56.25	\$106.75	\$163.00
05 CLUB CAR	14	CART	F/M OFFICE	N/A	\$0.00	\$0.00	\$0.00
13 CLUB CAR	85	CART	F/M OFFICE	N/A	\$0.00	\$0.00	\$0.00
16 CARRY ALL	85	CART	F/M OFFICE	N/A	\$0.00	\$0.00	\$0.00
92 CLARK	CLARK 1	FORK LIFT	F/M OFFICE	N/A	\$106.25	\$1,846.58	\$1,952.83
98 FORD	7772	E350 VAN	FILTER CREW	2,930	\$237.50	\$624.14	\$861.64
14 3500	25	CHEVY	GROUPS	3,982	\$25.00	\$35.00	\$60.00
	27	TRAILER	GROUPS	N/A	\$37.50	\$31.50	\$69.00
Yale 1	FORKLIFT	FORK LIFT	GROUPS	N/A	\$12.50	\$496.79	\$509.29
95 FORD	7720	F450 DUMP	GROUPS	1,217	\$187.50	\$653.79	\$841.29
91 FORD	7739	F450 DUMP	GROUPS	314	\$100.00	\$364.25	\$464.25
95 FORD	7748	F450 DUMP	GROUPS	1,979	\$125.00	\$82.00	\$207.00
97 TRAILER	7959	TRAILER	GROUPS	N/A	\$0.00	\$0.00	\$0.00
HUDSON	7770	TRAILER	GROUPS	N/A	\$0.00	\$0.00	\$0.00
08 TOYOTA	8061	TACOMA	GROUPS	5,805	\$81.25	\$356.10	\$437.35

**FACILITIES MANAGEMENT DEPARTMENT
2016 - 2017 ANNUAL REPORT
VEHICLE EXPENSES - FACILITIES MANAGEMENT**

INDIANA STATE UNIVERSITY

FACILITIES MANAGEMENT VEHICLES IN SERVICE (81)

VEHICLE	LIC. NO.	MODEL	DEPT	MILES/HOURS	LABOR COST	MATERIALS & PARTS	TOTAL COST
08 FORD	8064	F150	GROUND	7,143	\$50.00	\$411.60	\$461.60
11 CLUB CAR	E1	CART	GROUND	N/A	\$0.00	\$0.00	\$0.00
11 CLUB CAR	E2	CART	GROUND	N/A	\$0.00	\$0.00	\$0.00
09 CLUB CAR	G1	DIESEL	GROUND	N/A	\$0.00	\$0.00	\$0.00
09 CLUB CAR	G2	DIESEL	GROUND	N/A	\$75.00	\$111.75	\$186.75
97 CLUB CAR	GC2	CART	GROUND	N/A	\$25.00	\$19.00	\$44.00
14 CLUB CAR	CCG1	CART	GROUND	N/A	\$37.50	\$14.75	\$52.25
15 CLUB CAR	GC4	CART	GROUND	N/A	\$50.00	\$128.50	\$178.50
2015	37	NISSAN	GROUND	5,599	\$56.25	\$145.75	\$202.00
16 NISSAN	45	FRONTIER	GROUND	1,158	\$37.50	\$18.00	\$55.50
04 CHEVY	7768	VAN	LOCKSMITH	2,045	\$243.75	\$1,066.50	\$1,310.25
95 FORD	7762	F250 PICK-UP	MACHINIST	1,917	\$62.50	\$173.00	\$235.50
00 DODGE	7966	GRAND CARAVAN	MAIL ROOM	2,058	\$250.00	\$1,235.00	\$1,485.00
00 DODGE	7989	GRAND CARAVAN	MAIL ROOM	1,211	\$212.50	\$766.25	\$978.75
95 FORD	7752	F250	MAINTENANCE	3,480	\$106.25	\$437.00	\$543.25
06 FORD	7944	CARGO VAN	PAINTERS	719	\$0.00	\$0.00	\$0.00
03 CHEVY	8030	CUT-A-WAY	PLUMBERS	791	\$0.00	\$0.00	\$0.00
00 CHEVY	7928	EXPRESS VAN	PLUMBERS	2,542	\$31.25	\$423.50	\$454.75
03 CHEVY	8024	VENTURE	SCIENCE BLDG. MAINT	1,849	\$37.50	\$52.50	\$90.00
00 CHEVY	7713	BOX VAN	SET-UP/MOVING	505	\$0.00	\$0.00	\$0.00
07 CHEVY	8060	BOX VAN	SET-UP/MOVING	3,644	\$87.50	\$881.21	\$968.71
F/M EQUIP	F/M MISC.	EQUIP/WELDER	STEAM FITTERS	N/A	\$0.00	\$0.00	\$0.00
CAT3	CAT	FORK LIFT	STEAM FITTERS	N/A	\$0.00	\$0.00	\$0.00
06 FORD	7766	E250	STEAM FITTERS	619	\$6.25	\$13.00	\$19.25
TOTAL				110,492	\$7,862.58	\$28,567.32	\$36,429.90

MOTOR POOL VEHICLES IN SERVICE (6)

VEHICLE	LIC. NO.	MODEL	MILEAGE	DEPT.	LABOR COST	MAT'L & PARTS	TOTAL COST
95 CHEVY	7784	SERVICE TRUCK	587	FLEET	\$ 50.00	\$ 46.00	\$ 96.00
97 FORD	7867	E350	1,195	FLEET	\$ 150.00	\$ 866.58	\$ 1,016.58
03 BUICK	7915	CENTURY	134	FLEET	\$ 68.75	\$ 119.25	\$ 188.00
09 DODGE	8062	GRAND CARAVAN	3,466	FLEET	\$ 62.50	\$ 190.65	\$ 253.15
00 CLUB	17	CLUB CAR	N/A	FLEET	\$ 75.00	\$ 301.00	\$ 376.00
09 DODGE	8063	GRAND CARAVAN	3,538	FLEET	\$ 18.75	\$ 22.25	\$ 41.00
SUBTOTAL							\$ 1,970.73
GRAND TOTAL 2016 - 2017			8,920		\$ 425.00	\$ 1,545.73	\$ 1,970.73
GRAND TOTAL 2015 - 2016			7,085		\$ 750.00	\$ 2,274.94	\$ 3,024.94

VEHICLES SOLD (5)

VEHICLE	LIC. NO.	MODEL	MILEAGE	DEPT.	LABOR COST	MAT'L & PARTS	TOTAL COST
01 KIA	7707	SPORTAGE		GROUNDNS	\$ 75.00	\$ 633.03	\$ 708.03
04 BUICK	8072	LESABRE		ATHLETICS	\$ -	\$ -	\$ -
02 FORD	7969	MERCURY		PURCHASING	\$ 37.50	\$ 142.00	\$ 179.50
96 FORD	8016	MERCURY		PURCHASING	\$ 37.50	\$ 113.50	\$ 150.00
01 CHEVY	8018	BUCKET TRUCK		ELECTRICIANS	\$ 275.00	\$ 794.66	\$ 1,069.66
GRAND TOTAL 2016 - 2017					\$ 425.00	\$ 1,683.19	\$ 2,107.19

** For further detailed information on any individual vehicle listed (ie. gal, mileage, mpg) please contact Facilities Management @ 237-3620

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GROUNDS MAINTENANCE DIVISION

Department: **Department of Facilities Management, Grounds Maintenance**

Mission:

MISSION STATEMENT:

We plan, develop and maintain the outdoor physical environment and provide outdoor services, which enhance Indiana State University's mission of teaching, research, and life long learning, and public service in support of our students, faculty, staff, visitors, and the Terre Haute community.

Primary Functions:

What We Do and Available Resources:

- Manage 440 acres within Terre Haute city limits with 21 full time Grounds Staff and 18 contracted maintenance service providers
- Organic Turf Management, treating a small percentage with herbicide for invasive weeds
- Mowing of main campus in house and contracting surplus properties
- Nearly 16 miles of Sidewalk: Maintenance and repair(concrete, asphalt and pavers)
- Asphalt Patch Repair (Parking lots, streets...)
- Semi and Formal Planting Beds, over 80 large planters
- Tree Planting and Maintenance (17 tree farms-raising our own larger caliper tree stock for transplanting)
- Special "long term investment" Tree Farms (black cherry and black walnut)
- Debris Control
- High Maintenance Gardens (Koi, Butterfly, native beds at Welcome Center, Kepner Perennial Garden, Nursing, Normal Hall, Rankin Patio, College of Ed, Dede Fountain, Root Hall, and President's residence)
- Green Roof Planting and Care at Rankin Patio
- Pest Control, bee hive relocation
- Maintenance and Supervision of 2 acre Community Garden with over 200 plots
- Dining Services Food Scrap collection and Compost Program
- In-House Training Programs to include First Aid/CPR
- Special Events (dedications and ISU sponsored events)
- Athletic Field Maintenance (except intercollegiate playing field portions)
- Bike Trail Maintenance (Street Sweeping) and bike racks, service stations and air pumps
- 7th Street Arts Corridor Maintenance
- Fence Installations and Repairs
- Memorial Trees Program
- Memorial Benches and other types of markers
- Site Furnishings Coordination, Installation and Repair/Maintenance
- Manage Storage of surplus Building Materials
- Snow Removal, Ice Melt Application
- Storm Damage Response
- Flood Response planning and action
- Maintenance of Site Furnishings and Tree Inventories with GPS
- Irrigation Maintenance (80% of main campus and all athletic facilities non-playing field areas)
- Tree Care and Debris removal on over 120 acres of adjacent urban properties
- Tree Care, driveway maintenance, and IDNR dam maintenance on several remote properties
- Maintain campus Drywell system and install/maintain Rain Gardens/Retention Areas
- Regular student safety support and logistical assistance to Construction Contractors
- Repair and remodel construction adjacent areas
- Regularly hosting student interns in fields of Landscape Architecture and Grounds Maintenance
- Performance of all Grounds administrative tasks within the department, to include accounts payments, supply acquisition, Requisition preparation, budget tracking, attendance tracking, and monitoring of training progress

Performance Measures:

- We continue to receive positive feedback from a variety of sources on the improved outdoor campus areas
- A significant percentage of new students cite the outdoor campus environment as having influenced their decision to attend ISU
- 90% success rate in Ash Borer treatment. Purdue is logging benefits to untreated trees adjacent to treated trees through their 4 year study of our campus.
- Recognized by Indiana Wildlife Federation for Sustainable Landscape Achievements
- 9th year as Tree Campus USA

Accomplishments:

- Rankin Patio raised beds continue to be our experimental effort to mix perennials and perennial bulbs to reduce annual flower planting – to some degree this experiment has failed and will need to be re-established. We plan to pull all plant material, pot it, re-condition the soil and re-plant.
- Ash tree decline continues. The Purdue study is actually ongoing until spring of 2018. By the end of calendar 2017 most of the untreated ash trees will be removed except for a couple dozen untreated trees that have somehow escaped the ravages of the insect.
- A1 Concrete Leveling worked on 34 slabs this summer, similar to 2016. With our sandy soil conditions, this seems to be where we will level out for a few years. We are extremely pleased with this service, and have seen no reoccurrence of subsidence after the initial repairs are completed. This is our 4th year employing this technique.
- Root Hall Contemplative Garden remains as last year, awaiting further fundraising for the site built water feature to replace the current temporary fountain. ISU Grounds plans to provide bamboo screens, with construction help from Carpenter Shop.
- Blumberg Hall landscaping was turned over to ISU Grounds and is establishing moderately well.
- Continued transition to low chemical turf care with highest quality standards on the Quad and immediately surrounding areas. The Turf Technician position is working out very well with widespread improvement in turf quality readily visible around campus. This should continue for several years, and I anticipate ultimately that all our turf will be above average within 3 years, including the difficult areas such as tree rows. Most notably, even the rec sports fields, such as Rec East, look much better in spite of their heavy traffic and usage.
- The Solar Leaf rubberized asphalt pathway was installed cutting the SW corner of Chestnut and 11th to walk toward the ICS main office at the Community Garden. The native planting around the Solar Leaf is still a heavy battlefield against invasive plants, but we will continue to monitor and clear undesirable plants. This corner area will seem more campus related once we have the new Recycle Center behind it.
- The remaining 78 oversized trees were moved from our tree farms to campus in January-March 2017. We had 99% success with these and all are establishing nicely with the great rainfall we've experienced throughout the first half of 2017. One Oak tree was accidentally moved after dormancy, which was our only loss. They were planted mostly throughout the newly acquired properties on the west side of 3rd Street. This area had no trees previously, and the overall effect is quite dramatic.
- The Ash Replacement Tree Farm was planted on September 21, 2016 by the LEAP students at 8th and Locust St. 100 native shade trees that are also resistant to the bacterial leaf scorch were planted and irrigated. These will provide a tree bank for transplant in 2-3 years for Ash replacement throughout campus.
- We applied for and received a Sesquicentennial 2017 grant for the Sensory Garden at the ISU Community garden. Due to change in command within the University Engagement division's ICS office, we were unable to employ a coordinator specifically for the Sensory Garden this year. So the entire grant will go to purchase of a shade canopy for the event area, as well as the installation of a sign. We plan to continue to apply for these grants over the next 3-4 years and continue to perfect and expand the capabilities of the sensory garden space in the future.
- The Community Garden continues to expand with a total number of plots at over 165 and gardeners over 200. The Institute for Community Sustainability continues to operate from the 'garden house' which provides a strong perceptible connection between university and

community. The garden continues to expand its permanent plantings of fruit shrubs and trees around the periphery in the higher lead areas.

- The Kepner Memorial Perennial Garden was installed in the spring, with 4 flagstone paths and over 36 varieties of perennials and 20 varieties of shrubs. There are also 6 different Magnolia trees of 4 varieties to provide some shade for bench seating areas without obstructing the view of Stalker Hall. All of the plantings are designed to stay under 4' tall without pruning. This garden will be dedicated in August of 2017 on Fall Donaghy Day.
- The rain garden plantings south of the Career Center are establishing well, but some of the plant material is larger than anticipated. Further revision is necessary to achieve a native but well-groomed appearance. We plan to excavate the dry well this fall and possibly add a second well with an overflow connection.
- The New Theater was re-landscaped and plantings are becoming established with 95% survival rate.
- The Sycamore Bikeway was landscaped with transplanted trees, and plans continue for a fitness trail to be installed later this summer.
- Lot I was landscaped with a variety of shrubs and trees, primarily chosen for drought tolerance and bird sustenance. The closer we get to the river, the more I plan to landscape in wildlife friendly native materials.
- Normal Hall has had 2 incidents of flooding at the main east entrance. Further analysis is necessary to determine the cause and find a solution.
- The Athletic Annex was partially landscaped by the addition of a shade tree and transplanted shrubs around the west parking area. Further landscaping will be added once the parking lot concrete work is funded and completed.
- ICON construction has barricaded most of the riverbank bike trail areas and maintenance has been disrupted.
- Bike racks and pumps were installed as planned. No additional racks are planned in the immediate future.
- The Welcome Center courtyard was re-landscaped as a 'wildlife sanctuary' upon removal of the Pin Oak in March. Signage was designed but has not yet been purchased and installed. Due to an attempt to avoid using pre-emergent herbicide in this area, we have had continuous issues with weeds all summer, due to the sun shining where the Oak tree previously shaded. We will continue to groom this area until we achieve the desired garden space. It's very popular with students in the evenings I am told.
- All recommendations from last year's Hazard Tree Inventory have been addressed, and the suggested removals and pruning have been accomplished. We will conduct these every 3rd year, so the next inventory will be in 2018.
- Our student intern, Gino Brown, accomplished our first Site Furnishings Inventory using the Collector App associated with our campus ArcMAP license. We are very grateful for the assistance we receive from Dr. Stephen Aldrich, Earth and Environmental Systems, in sharing this software and helping us set up the basic framework for past tree inventories, and now the site furnishings inventory. Without his help we would not be able to accomplish this. Our first aerial map version of the site furnishings inventory is included in this report.

Personnel Changes:

- Justin Hayes was promoted to Grounds Technician after Evan Boyer left Grounds and transferred to custodial. Evan Barton was hired and terminated during this fiscal year due to attendance issues. Mark Stephens left ISU for health reasons after 16 years of service. Ryan Davis and Larry Eddington were promoted from ISU temp positions to full time Groundskeepers.
- Currently we have 2 ISU temps, Molly and Melissa McHenry, and we have one part time opening.
- We were privileged to host a student intern this summer. Gino Brown is between his junior and senior year in the Recreation Management program. His motivation and interest in all things Grounds Maintenance added enthusiasm to every crew he worked with. He was also able to spend 3 afternoons with Jim Jensen, Director of Operations in Facilities Management.

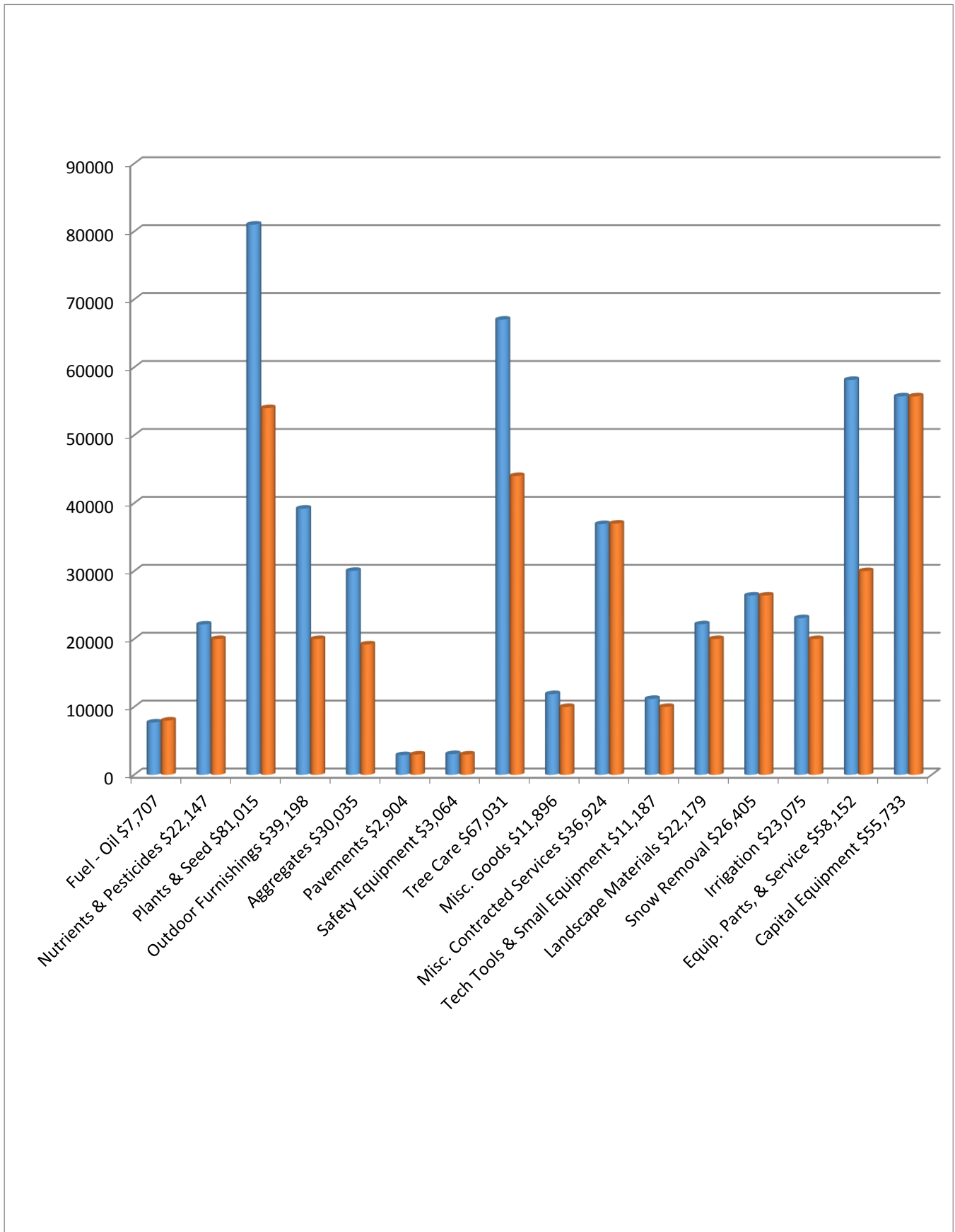
Future Needs and Goals:

Needs...

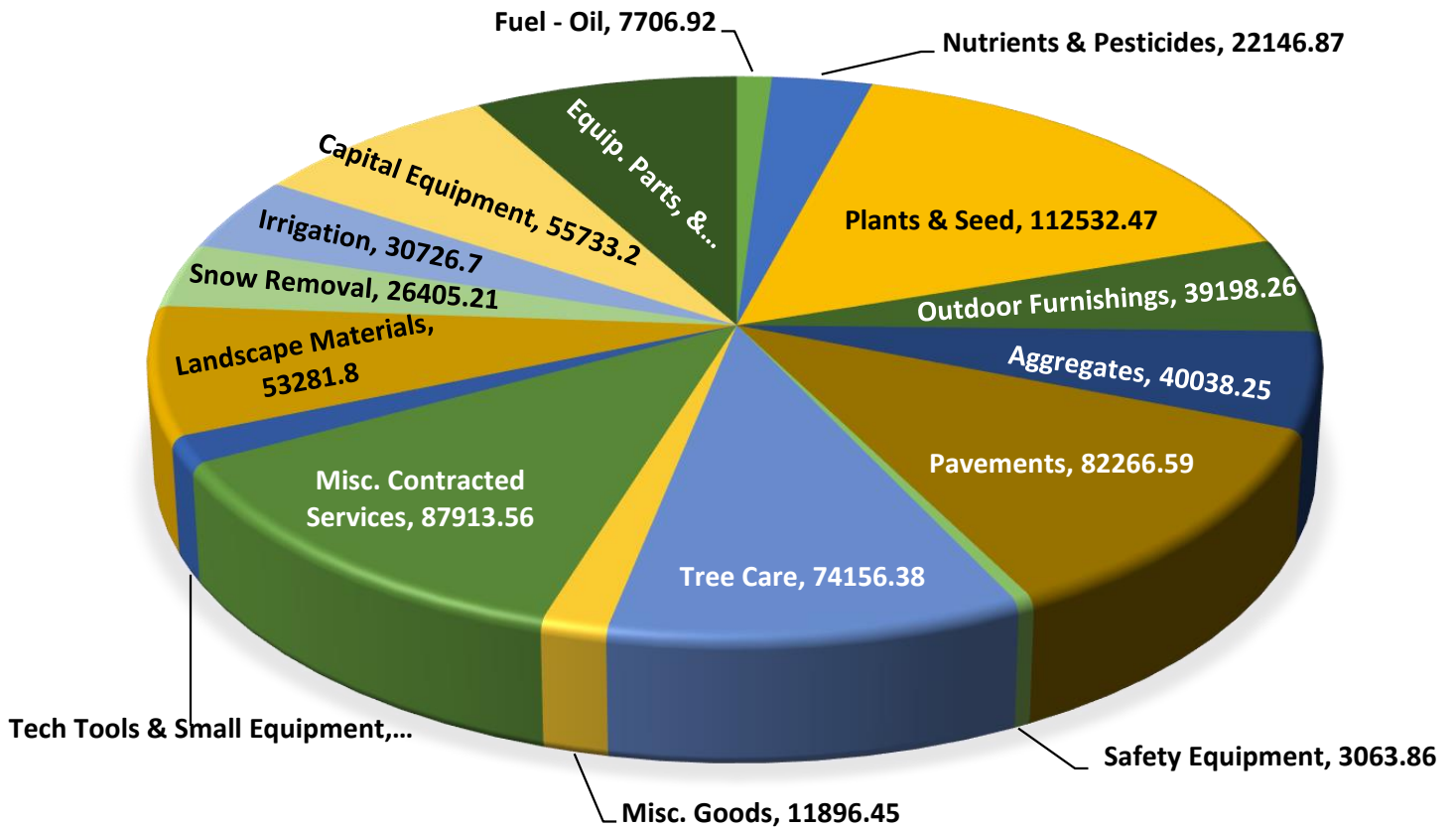
- Continued commitment to student and temporary employment budget. We are employing between 8 and 15 students on a routine basis now, throughout the year, and we have excellent productivity from a large percentage of them. They seem to benefit as well.
- A new street sweeping contract was opened with US Lawns and we anticipate being able to make use of that contract more since the rate is more affordable.
- We have a shortage of time and skilled labor to effectively maintain all our equipment. We are researching lease programs, and recently discovered that Bobcat has a pre-arranged trade-in program that works better than a lease, but provides all the benefits of a lease, plus more. The city of Brazil has been using this option effectively. We will continue to research and come up with a cost breakdown of the best options we can find for equipment management.
- All the Grounds Technicians failed their attempts to take both the 3A and 3B Pesticide Applicator Tests, so we currently only have one certified applicator, Erick Barnett. This is not ideal, since he isn't outdoors working in the field, so we plan to schedule the rest at every opportunity. (which is currently only once or twice per year)

Goals...

- We continue to work on devising a **tree row design** that will allow our street trees to thrive, yet hold up under the intense pedestrian traffic that passes through tree rows all over campus. 5th Street should be the first opportunity to employ a new strategy combining plant materials and pavers for overall durability and beauty.
- We continue to expand our conversion from annual displays to perennial beds. The ultimate goal is to employ straight annuals in planters only, and use annuals as support plantings in the native or nearly native perennial beds to fill in color gaps. This should cut our plant expenditures in half over time. We also need to employ seeding in situ as a method for creating annual color. We have adopted the practice of leaving many of our mums in the ground, to be cared for so they bloom again in subsequent years.
- We have met with the new Soil Scientist for the local SWCS office. Emily Bruner will be assisting us with compost science, to make our composting process more effective overall. We also hope to include students in the testing process for experiential learning opportunities.
- Bacterial Leaf Scorch has become more apparent on campus, with 7 new cases appearing north of Dreiser and on the Main Quad. None of the trees were removed, but weather extremes during the month of June almost defoliated all these trees. Some have leafed out again, and we are keeping an eye on them. We did lose a Zelkova on the main quad. It died suddenly of some type of Wilt disease. This is likely bacterial as well.
- As more and more of the campus outdoor areas have a more manicured appearance, the areas that don't are standing out. Over the next few years, as construction slows, we plan to fine tune our 'problem areas' to achieve a higher degree of maintenance throughout all areas of campus, and not just the high profile areas.
- We plan to improve our framework and understanding of the Collector App so that in the future our inventories will be updated immediately by any Groundworker who is doing work in the field, using his tablet or phone while the work is happening. This will allow us to maintain a real time inventory of all the elements affecting our landscape work.



GROUNDS MAINTENANCE TOTAL EXPENSES BY CATEGORY

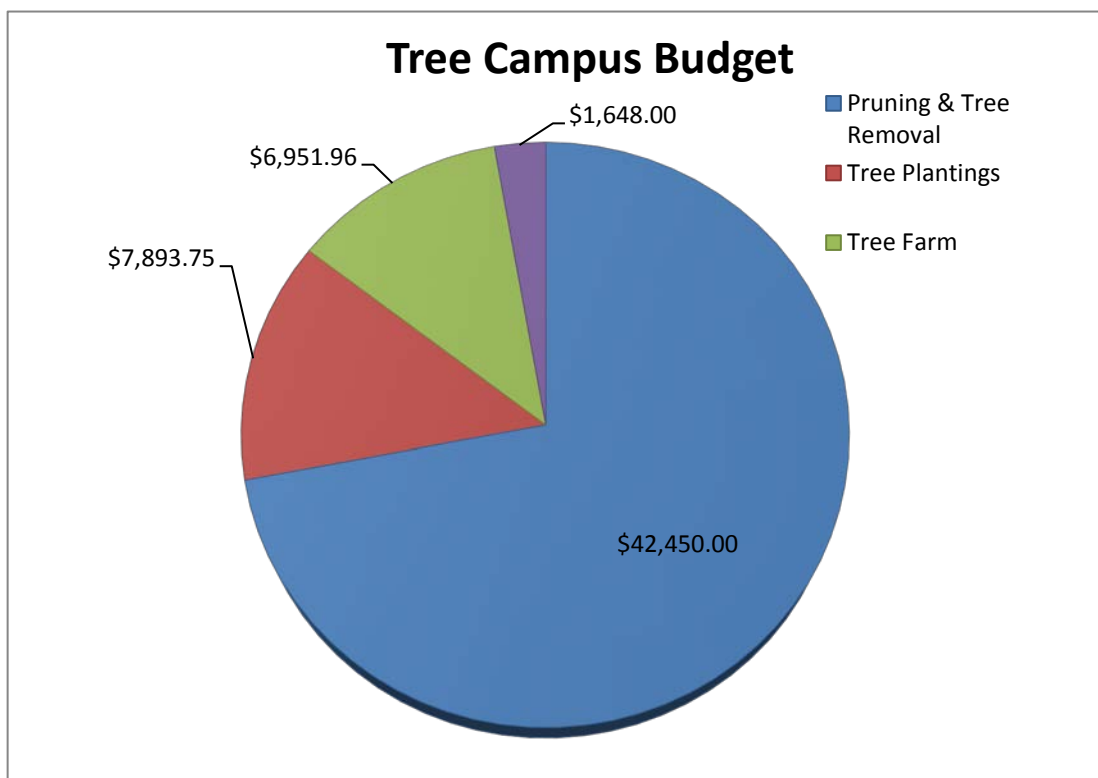


Total Spending:	\$716,405
Operating Budget:	\$298,200
Capital Equipment Budget:	\$ 55,733
Budget Totals:	\$362,472
Total Reimbursements:	\$248,010
Supplementary Spending:	\$114,462

INDIANA STATE UNIVERSITY
FACILITIES MANAGEMENT
GROUNDS MAINTENANCE

Tree Campus Budget Information 2016

Description	Expense (End of Year)
Pruning & Tree Removal	\$42,450.00
Tree Plantings	\$7,893.75
Tree Farm	\$6,951.96
Arborist Services	\$1,648.00
Totals:	\$58,943.71



Indiana State University
Grounds Maintenance
Pruning and Tree Removal Budget

Date	Vendor	Amount	Removed	Pruned	Special Notes
1/26/2016	Elkins Brothers Tree Service	\$1,000.00	2		1 Maple, 1 Linden
3/23/2016	Elkins Brothers Tree Service	\$1,000.00		1	Large Oak
3/21/2016	Elkins Brothers Tree Service	\$500.00		5	Pines @ Baseball
3/8/2016	Elkins Brothers Tree Service	\$125.00		1	Oak
3/8/2016	Elkins Brothers Tree Service	\$2,000.00	2	2	1 Elm, 1 Maple
4/19/2016	Elkins Brothers Tree Service	\$2,000.00	2		At Baseball
4/22/2016	Tree MD LLC	\$825.00		250	Prune young trees on campus
6/8/2016	Elkins Brothers Tree Service	\$7,500.00	20		2 Cottonwood, 18 Ash
6/15/2016	Elkins Brothers Tree Service	\$2,000.00	5	4	Ash
6/15/2016	Elkins Brothers Tree Service	\$1,000.00	15	2	Stadium trees
4/6/2016	Elkins Brothers Tree Service	\$1,000.00	2		Foundation Lots
5/13/2016	Elkins Brothers Tree Service	\$1,000.00	1		Foundation Lots
5/12/2016	Elkins Brothers Tree Service	\$750.00	6		ISU Campus
5/13/2016	Elkins Brothers Tree Service	\$125.00	1		ISU Campus
4/6/2016	Elkins Brothers Tree Service	\$1,000.00	1	3	ISU Campus
7/26/2016	Elkins Brothers Tree Service	\$1,500.00	3	3	1 Birch, 2 Crabapple
7/26/2016	Elkins Brothers Tree Service	\$750.00	1	3	Foundation Lots
7/18/2016	Elkins Brothers Tree Service	\$1,000.00	1		1 Pine @ Memorial Stadium
7/18/2016	Elkins Brothers Tree Service	\$125.00	1		Ash
7/8/2016	Elkins Brothers Tree Service	\$2,500.00	7		Ash
8/23/2016	Elkins Brothers Tree Service	\$2,000.00	4		1 Maple, 2 Locust, 1 Oak
9/7/2016	Elkins Brothers Tree Service	\$2,000.00	7		1 Oak, 6 Ash
9/23/2016	Elkins Brothers Tree Service	\$1,625.00	4		3 Ash & 1 Locust
10/25/2016	Elkins Brothers Tree Service	\$750.00	1		Foundation Lots
10/25/2016	Elkins Brothers Tree Service	\$1,500.00	1	25	1 Ash
12/8/2016	Elkins Brothers Tree Service	\$2,000.00	2		1 Oak, 1 Maple
11/29/2016	Elkins Brothers Tree Service	\$1,000.00	2		1 Locust, 1 Ash
11/29/2016	Elkins Brothers Tree Service	\$2,000.00	5		3 Maple, 1 Hackberry, 1 Mulberry
11/10/2016	Elkins Brothers Tree Service	\$875.00	4		Softball
11/1/2016	Elkins Brothers Tree Service	\$1,000.00	3	3	ISU Campus
Total Amount Spent		\$42,450.00	103	274	

Indiana State University
 Grounds Maintenance
 Tree Purchases/Planting

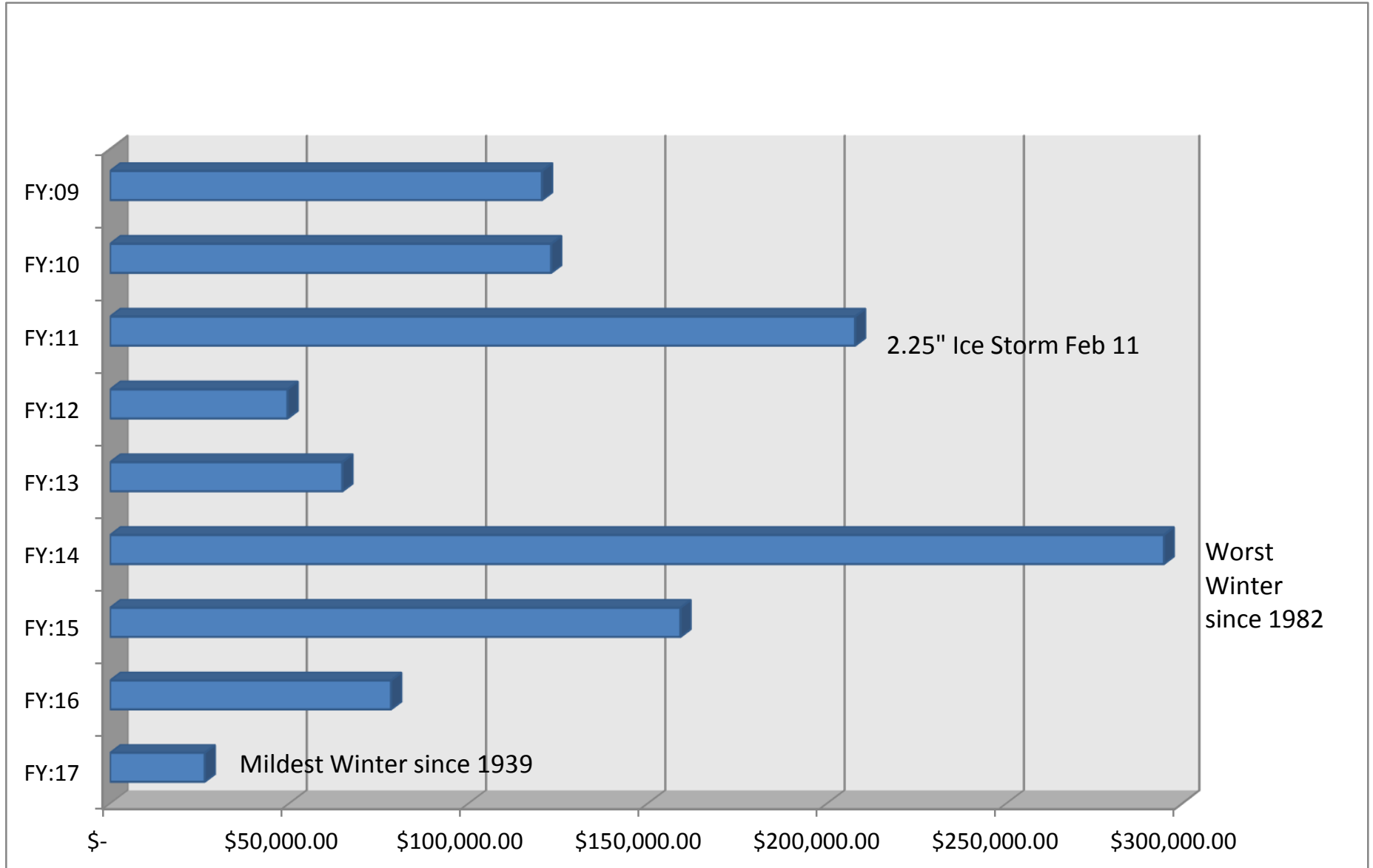
Date	Vendor	Amount	Quantity Purchased or Planted	Special Notes
4/19/2016	BlueGrass Farms	\$2,293.75	15	3rd & Cherry Gateway
6/13/2016	BlueGrass Farms	\$1,809.00	17	Pike Fraternity
2/26/2016	Vallonia State Nursery	\$140.00	400	Saplings
11/18/2016	BlueGrass Farms	\$2,764.00	19	Facilities
11/7/2016	BlueGrass Farms	\$887.00	6	Dura-Heat River Birch, Lot I
Total Amount Spent		\$7,893.75	457	

Indiana State University
 Grounds Maintenance
 Tree Farm Maintenance

Date	Vendor	Amount	Quantity Treated	Description
4/22/2016	White's Creative Landscape	\$4,389.00	1140	Maintenance
5/31/2016	White's Creative Landscape	\$2,109.00	1140	Spray Weeds
7/15/2016	Coldwell	\$46.00		Cable Ties for Tree Farms
7/15/2016	Industrial Supply Co.	\$233.12		PVC Pipe to make Tree Stakes
7/15/2016	Industrial Supply Co.	\$174.84		PVC Pipe to make Tree Stakes
Total Amount Spent		\$6,951.96		

Indiana State University
 Grounds Maintenance
 Arborist Services

Date	Vendor	Amount	Description
12/7/2016	Tree MD LLC	\$1,648.00	Consultation & Sampling
Total Amount Spent		\$1,648.00	





ISU Site Furnishings Inventory



XI.

FACILITIES MANAGEMENT

BUDGET SUMMARY

ORIGIN ACCOUNT CODE 0567 BREAKDOWN

ACCTS	DESCRIPTION	APPROPRIATION	ENCUMBRANCE (END OF YEAR)	EXPENSE	BALANCE
60050	SALARY - ADMINISTRATIVE	\$885,821.15		\$885,821.15	\$0.00
64050	SALARY - CLER & SVC STAFF	\$3,427,535.48		\$3,427,535.48	\$0.00
64150	SAL-ASAP STUDENTS	\$40,906.08		\$40,906.08	\$0.00
64200	SALARY - OVERTIME	\$215,408.54		\$215,408.54	\$0.00
65050	WAGES - STUDENT REG	\$93,377.28		\$93,377.28	\$0.00
65300	WAGES - TEMP NON-STUDENT	\$38,886.76		\$38,886.76	\$0.00
66060	EMP-CELL PHONE BILL	\$3,240.00		\$3,240.00	\$0.00
TOTAL	SALARIES AND WAGES	\$4,705,175.29	\$0.00	\$4,705,175.29	\$0.00
70250	CONSULTANTS	\$3,857.00		\$3,857.00	\$0.00
70380	TRASH REMOVAL	\$800.40		\$800.40	\$0.00
70450	OTHER PERSONAL SVCS	\$28,439.28		\$28,439.28	\$0.00
70550	LODGING, PER DIEM	\$3,472.77		\$3,472.77	\$0.00
70580	REGISTRATION	(\$499.00)		(\$499.00)	\$0.00
70650	OTHER TRANSPORTATION	\$797.75		\$797.75	\$0.00
70675	OPERATIONAL - LODGING; PER DIEM	\$3,456.16		\$3,456.16	\$0.00
70685	OPERATIONAL- TRANSPORTATION	\$56.00		\$56.00	\$0.00
71050	POSTAGE	\$1,606.86		\$1,606.86	\$0.00
71525	TELEPHONE COSTS GENERAL	\$95.00		\$95.00	\$0.00
71700	BUSINESS LINES	\$49,167.53		\$49,167.53	\$0.00
71715	PAGER	\$3,738.00		\$3,738.00	\$0.00
72025	PRINTING, INTERNAL	\$7,725.94		\$7,725.94	\$0.00
72050	PRINTING, OUTSIDE	\$1,687.31		\$1,687.31	\$0.00
72600	MEMBERSHIPS	\$462.50		\$462.50	\$0.00
72700	OTHER EXPENSE	\$27,748.00		\$27,748.00	\$0.00
73050	EDUCATION AND OFFICE SUPPLIES	\$10,024.66		\$7,604.66	\$2,420.00
73750	UNIFORMS	\$13,986.50		\$13,986.50	\$0.00
74120	DIESEL FUEL	\$258.72		\$258.72	\$0.00
74150	LIQUID PROPANE	\$4,613.53		\$4,613.53	\$0.00
TOTAL	PERSONAL & CONTRACTED SVCS	\$161,494.91	\$0.00	\$159,074.91	\$2,420.00
78010	GEN. BUILDING REPAIRS	\$8,427.35		\$8,427.35	\$0.00
78690	OTHER EQUIP	\$5,605.00		\$5,605.00	\$0.00
78716	VEHICLES AND MACHINERY	\$133,362.53		\$133,362.53	\$0.00
TOTAL	CAPITAL EQUIPMENT	\$138,967.53	\$0.00	\$138,967.53	\$0.00
	TOTALS - ACCOUNT 0565	\$5,005,637.73	\$0.00	\$5,003,217.73	\$2,420.00

ORIGIN ACCOUNT CODE 0566 BREAKDOWN

ACCTS	DESCRIPTION	APPROPRIATION	ENCUMBRANCE (END OF YEAR)	EXPENSE	BALANCE
60040	ADMINISTRATIVE SALARY	(\$55,346.49)		\$0.00	(\$55,346.49)
64000	TOTAL BI-WEEKLY	\$186,129.56		\$0.00	\$0.00
64200	SAL-OVERTIME	\$70,215.62		\$0.00	\$0.00
TOTAL	SALARIES & WAGES	\$0.00	\$0.00	\$0.00	\$0.00
66100	PERF EMPLOYEE SHARE	\$148,937.00		\$112,593.56	\$36,343.44
67200	NEW LIFE	\$14,487.10		\$14,487.10	\$0.00
68000	UNEMPLOYMENT COMPENSATION	\$23,000.00		\$0.00	\$23,000.00
68200	MEDICAL INSURANCE	\$1,109,948.57		\$1,105,499.80	\$4,448.77
68550	TIAA, CREF	\$100,343.35		\$100,343.35	\$0.00
68800	PERF	\$420,342.26		\$420,342.26	\$0.00
69050	DISABILITY INS	\$14,323.48		\$14,323.48	\$0.00
69550	FICA TAX EMPLOYERS SHARE	\$276,134.62		\$276,134.62	\$0.00
69600	MEDICAID TAX-UNIV SHARE	\$64,761.71		\$64,761.71	\$0.00
TOTAL	EMPLOYEE BENEFITS	\$2,373,276.78	\$0.00	\$2,108,485.88	\$8,445.72
72700	OTHER EXPENSE	\$76,853.94		\$76,853.94	\$0.00
72820	NON-CONTRACTUAL SVCS	\$109,781.67		\$109,781.67	\$0.00
72890	MISCELLANEOUS SVCS	\$98,250.65		\$98,250.65	\$0.00
74020	WATER	\$654,912.57		\$654,912.57	\$0.00
74030	ELECTRICITY	\$6,847,434.27		\$6,028,815.71	\$818,618.56
74050	GAS-MISC BLDGS	\$243,509.06		\$243,509.63	\$0.00
74070	SEWAGE	\$1,199,639.61		\$1,199,639.61	\$0.00
TOTAL	PERSONAL & CONTRACTED SVCS	\$9,230,381.77	\$0.00	\$8,411,763.78	\$818,618.56
74825	OTHER RENTAL	\$200,000.00		\$200,000.00	\$0.00
78010	GEN BUILDING REPAIRS	\$145,851.37		\$145,851.37	\$0.00
TOTAL	RENTALS INTEREST INS DEPRECIATION	\$345,851.37	\$0.00	\$345,851.37	\$0.00
	TOTALS - ACCOUNT 0566	\$11,949,509.92	\$0.00	\$10,866,101.03	\$827,064.28

ORIGIN ACCOUNT CODE 0570 BREAKDOWN

ACCTS	DESCRIPTION	APPROPRIATION	ENCUMBRANCE (OPEN COMMITMENT)	EXPENSE (END OF YEAR)	BALANCE
60050	SALARY - ADMINISTRATIVE	\$118,819.36	\$0.00	\$118,819.36	\$0.00
64050	SALARY - CLER & SVC STAFF	\$251,287.94	\$0.00	\$251,287.94	\$0.00
64200	SALARY - OVERTIME	\$61,915.25	\$0.00	\$61,915.25	\$0.00
65400	NON STU TEMP	\$0.00	\$0.00	\$0.00	\$0.00
65600	WAGES-OVERTIME	\$0.00	\$0.00	\$0.00	\$0.00
66060	EMP-CELLULAR PHONE BENEFIT	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL	SALARIES & WAGES	\$432,022.55	\$0.00	\$432,022.55	\$0.00
70550	LODGING; PER DIEM	\$442.30	\$0.00	\$442.30	\$0.00
70625	CAR RENTAL	\$117.65	\$0.00	\$117.65	\$0.00
70630	GASOLINE - CAR RENTAL	\$30.00	\$0.00	\$30.00	\$0.00
71500	TOTAL TELEPHONE AND TELEGRAPH	\$0.00	\$0.00	\$0.00	\$0.00
71625	TEL - LONG DISTANCE	\$0.00	\$0.00	\$0.00	\$0.00
71700	BUSINESS LINES	\$4,964.52	\$0.00	\$4,964.52	\$0.00
72000	TOTAL PRINTING PUBLIC	\$0.00	\$0.00	\$0.00	\$0.00
72500	TOTAL OTHER SERVICES	\$0.00	\$0.00	\$0.00	\$0.00
72025	PRNTG, INTERNAL	\$358.54	\$0.00	\$358.54	\$0.00
72700	OTHER EXPENSES	\$2,394.10	\$0.00	\$2,394.10	\$0.00
72800	TOTAL MISCELLANEOUS SERVICES	\$0.00	\$0.00	\$0.00	\$0.00
72890	MISCELLANEOUS SERVICES	\$1,200.00	\$0.00	\$1,200.00	\$0.00
73300	TOTAL MOTOR VEHICLE SUPPLY	\$0.00	\$0.00	\$0.00	\$0.00
73350	MOTOR VEHICLE GEN	\$0.00	\$0.00	\$0.00	\$0.00
73750	UNIFORMS	\$5,019.27	\$0.00	\$5,019.27	\$0.00
73900	TOTAL MISCELLANEOUS SUP	\$0.00	\$0.00	\$0.00	\$0.00
73925	MISCELLANEOUS SUPPLIES - GENERAL	\$64,612.43	\$0.00	\$62,709.32	\$1,903.11
74120	DIESEL FUEL	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL	PERSONAL & CONTRACTED SVCS	\$79,138.81	\$0.00	\$77,235.70	\$1,903.11
77600	TOTAL REPAIRS AND MAINTENANCE	\$0.00	\$0.00	\$0.00	\$0.00
78120	POWER PLT REP (STEAM)	\$12,847.45	\$0.00	\$12,847.45	\$0.00
78130	TUNNEL REPAIR	\$2,000.00	\$0.00	\$2,000.00	\$0.00
TOTAL	REPAIRS & MAINTENANCE	\$14,847.45	\$0.00	\$14,847.45	\$0.00
78300	TOTAL CAPITAL EQUIPMENT	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL	CAPITAL EQUIPMENT	\$0.00	\$0.00	\$0.00	\$0.00
TOTALS - ACCOUNT 0570		\$526,008.81	\$0.00	\$524,105.70	\$1,903.11

ORIGIN ACCOUNT CODE 0571 BREAKDOWN

ACCTS	DESCRIPTION	APPROPRIATION	ENCUMBRANCE (OPEN COMMITMENT)	EXPENSE (END OF YEAR)	BALANCE
60040	ADMINISTRATIVE SALARIES	\$0.00	\$0.00	\$0.00	\$0.00
64000	TOTAL - BI-WEEKLY SALARIES	\$0.00	\$0.00	\$0.00	\$0.00
64200	SALARY - OVERTIME	\$0.00	\$0.00	\$0.00	\$0.00
66100	PERF EMPLOYEE SHARE	\$12,458.00	\$3,061.90	\$9,396.10	\$0.00
TOTAL	SALARIES & WAGES	\$12,458.00	\$3,061.90	\$9,396.10	\$0.00
67200	NEW LIFE	\$1,134.00	\$76.76	\$1,057.24	\$0.00
68000	UNEMPLOYMENT COMPENSATION	\$0.00	\$0.00	\$0.00	\$0.00
68200	MEDICAL INSURANCE	\$84,857.00	\$3,102.00	\$81,755.00	\$0.00
68550	TIAA, CREF	\$11,882.00	\$0.00	\$11,882.00	\$0.00
68800	PERF	\$34,907.00	(\$171.80)	\$35,078.80	\$0.00
69050	DISABILITY INS	\$1,152.00	\$232.56	\$919.44	\$0.00
69550	FICA TAX - EMPLOYERS SHARE	\$25,006.00	(\$190.85)	\$25,196.85	\$0.00
69600	MEDICAID TAX - UNIV SHARE	\$5,848.00	(\$44.80)	\$5,892.80	\$0.00
TOTAL	EMPLOYEE BENEFITS	\$164,786.00	\$3,003.87	\$161,782.13	\$0.00
74000	TOTAL UTILITIES AND MISCELLENEOUS FU	\$0.00	\$0.00	\$0.00	\$0.00
74020	WATER	\$4,767.03	\$0.00	\$4,767.03	\$0.00
74050	GAS MISC BLDGS	\$225,000.00	\$48,154.07	\$176,845.93	\$0.00
74070	SEWAGE	\$459.87	\$0.00	\$459.87	\$0.00
74350	GAS - BOILER	\$1,800,000.00	\$183,305.51	\$1,616,694.49	\$0.00
TOTAL	PERSONAL & CONTRACTED SVCS	\$2,030,226.90	\$231,459.58	\$1,798,767.32	\$0.00
TOTALS - ACCOUNT 0571		\$2,207,470.90	\$237,525.35	\$1,969,945.55	\$0.00

XII.

UTILITY SERVICES /

CENTRAL HEATING PLANT DIVISION

Gas cost continue to lower this year. The total cost of natural gas for the July 1, 2016 to June 30, 2017 contract was \$1,678,140.00, down \$ 164,640.60 from last year. Again this year we purchased natural gas for future use. The university natural gas hedge purchase was:

Fiscal Year	Dekatherms Gas Purchased	Natural Gas Cost	Basis Cost	Total Gas Cost	Total Basis Cost	Total Management Fee	Total Gas Cost
2017 - 2018	370,000	\$ 3.4600	\$ 0.2400	\$ 1,280,200.00	\$ 88,800.00	\$ 11,100.00	\$ 1,380,100.00
2018 – 2019	370,000	\$ 3.3400	\$ 0.2400	\$ 1,235,800.00	\$ 88,800.00	\$ 11,100.00	\$ 1,324,600.00
2019 – 2020	370,000	\$ 3.0940	\$ 0.2300	\$ 1,144,780.00	\$ 85,100.00	\$ 11,100.00	\$ 1,240,980.00
2020 – 2021	370,000	\$ 3.0730	\$ 0.2300/\$ 0.1300	\$ 1,137,010.00	\$ 65,600.00	\$ 11,100.00	\$ 1,213,710.00
2021 – 2022	370,000	\$ 3.0730	\$ 0.0130	\$ 1,137,010.00	*\$ 22,750.00	\$ 11,100.00	\$ 1,170,860.00
2022 - 2023	370,000	\$ 3.0730	**-----	\$ 1,137,010.00	**-----	\$ 11,100.00	\$ 1,148,110.00
* Only June thru December Basis has been purchased.				** No basis hasn't been purchased as of now.			

This was the fifth year the Utility Services and Central Heating Plant Division has been attempting to hold the price we pay for natural gas on campus by having changed some of the buildings using natural gas from Rate 220, General Sales Service, to Rate 225, School Transportation Service, and one account to Rate 245, Large General Transportation Service. The Central Heating Plant remained at Rate 260, Large Volume Transportation Service. Cost of these accounts can be seen on page XII – 2.

In January 2017, Phase I of the T-02 Utility Tunnel Renovation Project and the manhole in tunnel T-17 were completed. On June 27, 2017 we had a kickoff meeting for Phase II of the T-2 Utility Tunnel Renovation Project to begin. This project also is replacing the tunnel top for sections of tunnels T-15 and T-17.

The Boiler #1, #2, & #3 control cabinets were upgraded form X-Links with DeltaV Virtual Interface Modules in June 2017. These interfaces have improved boiler operations.

Also the following took place:

TOURS

- Economics 100 (Perspectives on Environmental Issues) – Katrina Babb September 19, 2016
- Physics 101 Class (Science Building) October 11, 2016
- Safety Management Class Tour – Mike Williamson October 19, 2016
- Safety Management Class Tour – Mike Williamson March 9, 2017

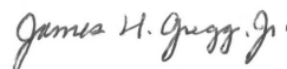
TRAINING & MEETINGS

- Natural Gas Roundtable, Purdue University May 19, 2016
- Title IX Supervisor Training - ISU July 13, 2016
- EDF Energy Conference, Notre Dame University October 6, 2016
- Administrative In-Service Workshop – ISU November 16, 2016
- Natural Gas Meeting, EDF Energy Services - Bill Langdon December 6, 2016
- Nalco Annual Business Review, ISU February 8, 2017
- General Electrical Safety Training – ISU February 16, 2017

Goals and objectives for this next fiscal year include:

- Complete Phase II of the T-02 Tunnel Renovation Project.
- Replace High Pressure Return piping in Tunnel T-06 from Library.
- Complete Utility Tunnel signage and valve identification.
- Replace the Condensate Polisher brine pumps.
- Replace the Magnetrol, Forced Draft Fan module for Boiler #2.
- Continue to monitor the natural gas market and look for opportunities to purchase and maintain Rate 225, Rate 245, & Rate 260 gas prices to meet ISU energy budgets. EDF has continued as our Natural Gas marketer.

The Utility Services & Central Heating Plant Division is committed to providing reliable services that enhance the learning experience at Indiana State University for our students.



James H. Gregg, Jr.
Steam Plant Manager

**FACILITIES MANAGEMENT DEPARTMENT
2016 - 2017 ANNUAL REPORT
NATURAL GAS & TRANSPORTATION COST (RATE 225, 245, 260)**

INDIANA STATE UNIVERSITY

Building	Rate	FY 2016 - 2017 Avg. Temp. 56.87°F			FY 2015 - 2016 Avg. Temp. 55.92°F			Difference Temp. Diff. 0.95°F	
		Therms	Cost/Therm	Annual Cost	Therms	Cost/Therm	Annual Cost	Therms	Cost
Afr.-Amer Cultural Ctr.	Rate 225	2,520	\$ 0.90	\$ 2,276.05	2,920	\$ 0.85	\$ 2,485.49	(400)	\$ (209.44)
Art Annex	Rate 225	9,461	\$ 0.81	\$ 7,676.65	7,905	\$ 0.81	\$ 6,418.41	1,556	\$ 1,258.24
Athletic Annex West	Rate 225	10,388	\$ 0.83	\$ 8,573.94	3,816	\$ 1.06	\$ 4,027.85	6,572	\$ 4,546.09
Central Chilled Wtr. Plt.	Rate 225	865	\$ 1.35	\$ 1,169.06	589	\$ 1.64	\$ 967.16	276	\$ 201.90
Facilities Management	Rate 225	10,143	\$ 0.98	\$ 9,928.43	8,905	\$ 1.02	\$ 9,081.54	1,238	\$ 846.89
Food Court Commons	Rate 225	15,560	\$ 0.86	\$ 13,328.89	16,180	\$ 0.92	\$ 14,893.40	(620)	\$ (1,564.51)
Grounds Maint. Building	Rate 225	28,142	\$ 0.71	\$ 20,070.29	24,859	\$ 0.78	\$ 19,477.50	3,283	\$ 592.79
Landsbaum Center	Rate 225	27,271	\$ 0.60	\$ 16,248.03	24,679	\$ 0.75	\$ 18,548.20	2,592	\$ (2,300.17)
Lincoln Quad	Rate 225	8,307	\$ 0.98	\$ 8,149.62	6,000	\$ 0.99	\$ 5,941.63	2,307	\$ 2,207.99
Morge Building	Rate 225	5,882	\$ 0.83	\$ 4,888.11	4,166	\$ 0.89	\$ 3,722.08	1,716	\$ 1,166.03
Recycling Institute	Rate 225	2,188	\$ 0.98	\$ 2,143.57	2,178	\$ 1.01	\$ 2,208.17	10	\$ (64.60)
Satellite Chilled Wtr. Plt.	Rate 225	10,926	\$ 0.86	\$ 9,392.50	12,876	\$ 0.88	\$ 11,307.86	(1,950)	\$ (1,915.36)
Science Building	Rate 225	1,675	\$ 1.22	\$ 2,047.95	1,691	\$ 1.33	\$ 2,240.64	(16)	\$ (192.69)
Stadium	Rate 225	14,373	\$ 0.82	\$ 11,810.15	16,605	\$ 0.85	\$ 14,074.53	(2,232)	\$ (2,264.38)
Stalker Hall	Rate 225	960	\$ 1.89	\$ 1,816.87	1,158	\$ 1.71	\$ 1,979.89	(198)	\$ (163.02)
Tirey Hall	Rate 225	1,925	\$ 0.85	\$ 1,629.66	1,971	\$ 0.89	\$ 1,758.31	(46)	\$ (128.65)
University Housing (N)	Rate 225	28,907	\$ 0.94	\$ 27,051.80	29,240	\$ 0.98	\$ 28,619.65	(333)	\$ (1,567.85)
Totals:	Rate 225	179,493	\$ 0.83	\$ 148,201.57	165,738	\$ 0.89	\$ 147,752.31	13,755	\$ 449.26

Building	Rate	Therms	Cost/Therm	Annual Cost	Therms	Cost/Therm	Annual Cost	Therms	Cost
University Apartments (S)	Rate 245	88,119	\$ 0.73	\$ 64,188.20	52,027	\$ 1.36	\$ 70,852.63	36,092	\$ (6,664.43)

Building	Rate	Dkth	Cost/Dkth	Annual Cost	Dkth	Cost/Dkth	Annual Cost	Dkth	Cost
Central Heating Plant	Rate 260	341,565	\$ 5.27	\$ 1,800,124.77	343,177	\$ 5.37	\$ 1,842,780.39	(1,612)	\$ (42,655.62)

(1) Rate 225 & 245 cost is per Therm.

(2) Rate 260 cost is per Dekatherm

**FACILITIES MANAGEMENT DEPARTMENT
 2016 - 2017 ANNUAL REPORT
 UTILITY SERVICES & CENTRAL HEATING PLANT DIVISION - POPLT
 CENTRAL HEATING PLANT PRODUCTION SUMMARY**

INDIANA STATE UNIVERSITY

	2015 - 2016	2016 - 2017
STEAM & WATER PRODUCED		
Steam Produced (Lbs)	231,391,540	233,516,770
Makeup Water (Gallons)	4,362,000	3,833,800
FUELS USED		
Gas Used (MMBtu) (Boiler)	343,177 (1)	341,576
Oil Used (Gallons) (Boiler)	0	0
Oil Used (Gallons) (Generator)	135	202
EXPENSES		
Cost of Fuel	\$ 1,845,925.65	\$ 1,800,124.77
Cost of Electricity	\$ 92,852.20	\$ 108,109.69
Cost of Water	\$ 2,539.02	\$ 4,767.03
Cost of Sewage	\$ 454.55	\$ 459.87
Labor	\$ 622,892.09	\$ 603,230.78
Supplies & Misc.	\$ 118,209.88	\$ 77,235.70
Repairs & Maintenance	\$ 31,970.36	\$ 12,847.45
Capital Outlay	\$ -	\$ -
TOTAL EXPENSES:	\$ 2,714,843.75	\$ 2,606,775.29
DIFFERENCE FROM PREVIOUS YEAR:		(2) \$ (108,068.46)
STEAM PRODUCTION COST		
Cost per 1,000 Lbs. Of Steam	\$ 11.73	\$ 11.16
Cost of Steam Per Square Foot	\$ 0.777	\$ 0.746
Square Feet Served	3,496,191	3,496,191
Steam in 1,000 Lbs. Per Square Foot	0.0662	0.0668
STEAM HISTORICAL COST		
Cost of Steam Per Square Foot (2014-2015)		\$ 0.810
Cost of Steam Per Square Foot (2013-2014)		\$ 1.270
Cost of Steam Per Square Foot (2012-2013)		\$ 1.178

(1) Gas cost was down **\$45,800.88** this year over last due to lower gas cost. The cost of gas & delivery fees dropped from \$5.37/Dth to \$5.27/Dth. We also dropped usage by 1601 Dekatherm.

(2) The total cost of the Central Heating Plant Production was **\$108,068.46** less than the previous year.

**FACILITIES MANAGEMENT DEPARTMENT
2016 - 2017 ANNUAL REPORT
UTILITY SERVICES & CENTRAL HEATING PLANT DIVISION - POPLT
CENTRAL HEATING PLANT ACCOUNTS SUMMARY**

FUEL		
Account No.	Account Name	Cost
74330	Fuel Oil Boiler	\$ -
74350	Gas - Boiler	\$ 1,622,095.06
74050	LDC Charges	\$ 178,029.71
TOTAL:		\$ 1,800,124.77
UTILITIES		
Account No.	Account Name	Cost
74030	Electricity	\$ 108,109.69
74020	Water	\$ 4,767.03
74070	Sewer	\$ 459.87
TOTAL:		\$ 113,336.59
LABOR		
Account No.	Account Name	Cost
60050	Salaries - Administrative, Fiscal	\$ 118,819.36
64050	Salaries - Clerical & Service Staff	\$ 251,287.94
64200	Salaries - Overtime	\$ 61,915.25
SUB TOTAL (SALARIES):		\$ 432,022.55
66100	PERF Employees Share	\$ 9,396.10
67200	New Life	\$ 1,057.24
68000	Unemployment Comp	\$ -
68050	Workmans Comp	\$ -
68200	Medical Insurance	\$ 81,755.00
68550	TIAA -CREF	\$ 11,882.00
68800	PERF	\$ 35,078.80
69050	Disability Insurance	\$ 949.44
69550	FICA Tax Employers Share	\$ 25,196.85
69600	Medicare Tax - University Share	\$ 5,892.80
SUB TOTAL (BENEFITS):		\$ 171,208.23
TOTAL:		\$ 603,230.78
UNAVOIDABLES SUMMARY		
FUELS:		\$ 1,800,124.77
UTILITIES:		\$ 113,336.59
LABOR (Salaries & Benefits):		\$ 603,230.78
TOTAL UNAVOIDABLES:		\$ 2,516,692.14

SUPPLIES & EXPENSES		
Account No.	Account Name	Cost
70550	Lodging; Per Diem	\$ 442.30
70625	Car Rental	\$ 117.65
70630	Gasoline - Car Rental	\$ 30.00
71700	Telephone - Business Lines	\$ 4,964.52
72025	Printing, Internal	\$ 358.54
72700	Other Expenses	\$ 2,394.10
72890	Miscellaneous Services	\$ 1,200.00
73750	Uniforms	\$ 5,019.27
73925	Miscellaneous Supplies - General	\$ 62,709.32
TOTAL:		\$ 77,235.70
REPAIRS & MAINTENANCE		
Account No.	Account Name	Cost
78010	General Building Repairs	\$ -
78120	Power Plant Repairs - Steam	\$ 12,847.45
78130	Tunnel Repairs	\$ -
TOTAL:		\$ 12,847.45
CAPITAL EQUIPMENT		
Account No.	Account Name	Cost
TOTAL:		\$ -
TOTAL CENTRAL HEATING PLANT OPERATIONAL COST		
2016-2017	TOTAL:	\$ 2,606,775.29
2015-2016	TOTAL:	\$ 2,714,843.76
2014-2015	TOTAL:	\$ 2,830,568.33
2013-2014	TOTAL:	\$ 4,846,767.28
OPERATIONS SUMMARY		
SUPPLIES & EXPENSES:		\$ 77,235.70
REPAIRS & MAINTENANCE:		\$ 12,847.45
CAPITAL EQUIPMENT:		\$ -
TOTAL OPERATIONS:		\$ 90,083.15

**FACILITIES MANAGEMENT DEPARTMENT
2016 - 2017 ANNUAL REPORT
UTILITY SERVICES & CENTRAL HEATING PLANT DIVISION - POPLT
BOILER / GENERATOR FUEL CONSUMPTION & COST**

INDIANA STATE UNIVERSITY

INTERRUPTIBLE GAS SERVICE

MONTH	PIPELINE GAS PURCHASED			LDC THROUGHPUT CHARGES			GAS COST TOTAL GAS COST
	VOLUME (MMBtu)	GAS COST	PIPELINE GAS COST/MMBtu	VOLUME (MMBtu)	LDC (1) CHARGES	LDC DELIVERY COST/MMBtu	
July	19,276	\$ 83,497.60	\$ 4.33	19,218	\$ 10,732.45	\$ 0.56	\$ 94,230.05
August	18,818	\$ 82,480.18	\$ 4.38	18,762	\$ 10,499.38	\$ 0.56	\$ 92,979.56
September	20,255	\$ 91,423.53	\$ 4.51	20,194	\$ 11,486.17	\$ 0.57	\$ 102,909.70
October	24,989	\$ 116,927.53	\$ 4.68	24,919	\$ 13,461.78	\$ 0.54	\$ 130,389.31
November	31,948	\$ 156,468.87	\$ 4.90	31,852	\$ 16,366.35	\$ 0.51	\$ 172,835.22
December	46,785	\$ 220,426.89	\$ 4.71	46,645	\$ 21,223.00	\$ 0.45	\$ 241,649.89
January	42,528	\$ 217,145.79	\$ 5.11	42,397	\$ 20,020.32	\$ 0.47	\$ 237,166.11
February	30,358	\$ 168,770.36	\$ 5.56	30,267	\$ 16,491.58	\$ 0.54	\$ 185,261.94
March	34,773	\$ 165,422.33	\$ 4.76	34,669	\$ 17,932.14	\$ 0.52	\$ 183,354.47
April	25,911	\$ 118,258.70	\$ 4.56	25,833	\$ 14,252.26	\$ 0.55	\$ 132,510.96
May	24,890	\$ 109,589.02	\$ 4.40	24,815	\$ 13,735.29	\$ 0.55	\$ 123,324.31
June	21,034	\$ 91,684.26	\$ 4.36	20,971	\$ 11,828.99	\$ 0.56	\$ 103,513.25
2016 - 2017 TOTALS	341,565	\$ 1,622,095.06	\$ 4.75	340,542	\$ 178,029.71	\$ 0.52	\$ 1,800,124.77
2015 - 2016 TOTALS	343,177	\$ 1,667,879.95	\$ 4.86	342,391	\$ 174,900.44	\$ 0.51	\$ 1,842,780.39
% Change:							-2.37%

#2 FUEL OIL

MONTH	FUEL OIL PURCHASED		
	GALLONS PURCHASED	PRICE PER GALLON	TOTAL COST
July	0	\$ -	\$ -
August	0	\$ -	\$ -
September	0	\$ -	\$ -
October	0	\$ -	\$ -
November	0	\$ -	\$ -
December	0	\$ -	\$ -
January	0	\$ -	\$ -
February	0	\$ -	\$ -
March	0	\$ -	\$ -
April	0	\$ -	\$ -
May	0	\$ -	\$ -
June	0	\$ -	\$ -
2016 - 2017 TOTALS	0	\$ -	\$ -
2015 - 2016 TOTALS	0	\$ -	\$ -

TOTAL PLANT FUEL COST/MMBtu at BURNERTIP	
MMBtu INPUT	341,565
COST OF FUEL	\$ 1,800,124.77
COST/MMBtu	5.27

GENERATOR FUEL OIL	
Gallons of Fuel Oil from Storage to Day Tank	
GALLONS	202
COST/GALLON	\$ 0.81
TOTAL COST	\$ 163.62

BOILER BURNERTIP COST

MONTH	FUEL OIL			NATURAL GAS			TOTAL OIL & GAS COST
	VOLUME (MMBtu)	OIL (2) COST/MMBtu	TOTAL COST	VOLUME (MMBtu)	NATURAL GAS COST/MMBtu	TOTAL COST	
July	0	\$ -	\$ -	19,276	\$ 4.89	\$ 94,230.05	\$ 94,230.05
August	0	\$ -	\$ -	18,818	\$ 4.94	\$ 92,979.56	\$ 92,979.56
September	0	\$ -	\$ -	20,255	\$ 5.08	\$ 102,909.70	\$ 102,909.70
October	0	\$ -	\$ -	24,989	\$ 5.22	\$ 130,389.31	\$ 130,389.31
November	0	\$ -	\$ -	31,948	\$ 5.41	\$ 172,835.22	\$ 172,835.22
December	0	\$ -	\$ -	46,785	\$ 5.17	\$ 241,649.89	\$ 241,649.89
January	0	\$ -	\$ -	42,528	\$ 5.58	\$ 237,166.11	\$ 237,166.11
February	0	\$ -	\$ -	30,358	\$ 6.10	\$ 185,261.94	\$ 185,261.94
March	0	\$ -	\$ -	34,773	\$ 5.27	\$ 183,354.47	\$ 183,354.47
April	0	\$ -	\$ -	25,911	\$ 5.11	\$ 132,510.96	\$ 132,510.96
May	0	\$ -	\$ -	24,890	\$ 4.95	\$ 123,324.31	\$ 123,324.31
June	0	\$ -	\$ -	21,034	\$ 4.92	\$ 103,513.25	\$ 103,513.25
2016 - 2017 TOTALS	0	\$ -	\$ -	341,565	\$ 5.27	\$ 1,800,124.77	\$ 1,800,124.77
2015 - 2016 TOTALS	0	\$ -	\$ -	343,177	\$ 5.39	\$ 1,842,780.39	\$ 1,842,780.39

Fuel Oil Btu/Gal 138,696

(1) LDC charges reflect the throughput (city gate fee or transportation charge by the Local Distribution Co. based off gas volume) and Customer Service Charge. These charges were paid from the POPLT-UNAV 74050 account.

(2) Blended value of current fuel oil inventory is \$6.05/MMBtu. Last oil was received June 2003.

(3) No oil was purchased during FY2016-2017. Oil usage was limited to Emergency Generator.

** The Central Heating Plant ended fiscal year 2016-2017 with 130,018 gallons stored oil as our backup fuel. This quantity will provide 6.83 days of fuel at an average days steam production of 75,000 lb./hr. Maximum storage capacity of 135,000 gallons.

**FACILITIES MANAGEMENT DEPARTMENT
2016 - 2017 ANNUAL REPORT
UTILITY SERVICES & CENTRAL HEATING PLANT DIVISION - POPLT
CAMPUS BUILDINGS SERVED & PLANT PRODUCTION SUMMARY**

INDIANA STATE UNIVERSITY

BUILDINGS SERVED BY CENTRAL HEATING PLANT					
Academic & Service Bldgs Heated			Auxiliary Bldgs Heated		
	Gross Square Feet	Assigned Square Feet		Gross Square Feet	Assigned Square Feet
Animal Facilities Bldg.	4,500	3,700	Condit House (Office of the President)	12,082	7,011
Arena/HHP	293,846	176,963	Hulman Center	174,011	115,549
Richard D. Landini Center for Performing & Fine Arts	41,604	26,432	Hulman Memorial Student Union	98,303	66,112
Dreiser Hall	51,809	28,943	Student Recreation Center	109,450	80,000
Fairbanks Hall	17,760	13,292			
Federal Hall (Scott College of Business)	84,730	55,730	Total Auxiliary Bldgs Sq. Ft. Heated	393,846	268,672
Fine Arts Bldg	63,379	36,989			
Gillum Hall	48,830	31,814	Service Bldgs Heated		
Holmstedt Hall	99,324	50,898	Utility Services & Central Heating Plant	44,603	5,019
Library, Cunningham Memorial	172,356	134,172			
John W. Moore Welcome Center	22,847	13,226	Total Service Bldgs Sq. Ft. Heated	44,603	5,019
John T. Myers Technology Hall	110,000	74,500			
Normal Hall	65,393	42,435	Residence Halls		
Nursing, School Of	40,083	21,655	Blumberg Hall	87,732	61,968
Root Hall	94,620	64,250	Burford Hall	59,912	43,728
Science Bldg.	260,192	125,582	Cromwell Hall	87,378	61,608
Science North	6,535	3,997	Erickson Hall	78,690	46,885
Stalker Hall	46,972	28,616	Hines Hall	70,431	46,885
Career Center, Student Computing Center	12,930	8,284	Jones Hall	70,431	46,885
Sycamore Center					
For Wellness & Applied Medicine	54,476	33,892	Lincoln Quad - North	81,202	50,584
Technology (A)	51,962	36,403	Lincoln Quad - South	79,242	49,524
Theater Bldg	12,971	7,994	Mills Hall	87,610	61,590
Tilson / Pool	23,621	12,000	Pickerl Hall	59,823	40,676
University Hall (Bayh College of Education)	157,119	94,591	Reeve Hall	128,256	89,779
University Pavillion (Parsons Hall)	45,115	23,766	Rhodes Hall	86,760	60,888
University Pavillion (Rankin Hall)	37,337	22,147	Sandison Hall	64,707	44,422
University Pavillion (Tirey Hall)	95,257	52,078			
			Total Residence Halls Sq. Ft. Heated	1,042,174	705,422
Total Academic Bldgs Sq. Ft. Heated	2,015,568	1,224,349	TOTAL SQUARE FEET HEATED	3,496,191	2,203,462

CENTRAL HEATING PLANT PRODUCTION SUMMARY							
MONTHLY STEAM PRODUCTION							
Month	Total Steam Output Lb/Month	Average Steam Output LB/Hour	Average Steam Output LB/Day				
July	11,922,560	16,959	407,011				
August	11,892,970	15,985	383,644				
September	12,344,440	17,145	411,481				
October	16,333,100	21,953	526,874				
November	22,500,620	31,251	750,021				
December	33,349,250	44,824	1,075,782				
January	30,900,730	41,533	996,798				
February	22,840,050	33,988	815,716				
March	22,115,330	29,725	713,398				
April	17,271,600	23,988	575,720				
May	16,902,040	22,718	545,227				
June	14,449,290	20,068	481,643				
MONTHLY AVG:	19,459,731						
ANNUAL STEAM PRODUCTION							
YEAR	TOTAL STEAM OUTPUT LB	AVERAGE STEAM OUTPUT LB/DAY	AVERAGE STEAM OUTPUT LB/HR	TOTAL BTU INPUT MM/Btu	AVERAGE BTU/LB STEAM	TOTAL MAKEUP WATER GAL	TOTAL PERCENT MAKEUP
2016-2017	233,516,770	639,772	26,675	341,565	1,463	3,883,800	14%
2015-2016	231,391,540	632,217	26,342	343,177	1,483	4,362,000	16%
2014-2015	248,462,650	680,720	28,363	357,206	1,438	4,721,000	16%
2013-2014	287,879,380	788,711	32,863	415,080	1,442	5,800,500	17%
2012-2013	322,327,120	883,088	36,795	387,279	1,202	5,013,000	13%
2011-2012	277,708,260	758,766	31,615	330,234	1,189	6,714,700	20%
2010-2011	314,746,460	862,319	35,930	376,142	1,196	6,343,800	17%
2009-2010	337,097,212	923,554	38,481	395,721	1,174	5,513,200	14%
2008-2009	309,513,170	847,981	35,333	383,931	1,240	5,755,900	16%
2007-2008	317,600,930	867,762	36,256	371,418	1,169	4,296,499	11%
2006-2007	318,058,300	871,393	36,308	368,093	1,157	3,098,401	8%
2005-2006	309,919,410	849,094	35,379	358,029	1,155	3,207,000	9%
2004-2005	330,846,890	906,430	37,768	392,480	1,186	3,946,800	10%

XIII.

MASTER PLANS

**FACILITIES MANAGEMENT DEPARTMENT
2016 - 2017 ANNUAL REPORT
HEATING, VENTILATION, & AIR CONDITIONING SYSTEMS**

INDIANA STATE UNIVERSITY

BUILDING NAME	COOLING SOURCE	HVAC DESCRIPTION	AGE	REPLACEMENT DATE (Approximate)	COST 2016 DOLLARS (Approximate)
African American Cultural Center	BC	Package Rooftop Units.	21	2017	\$ 200,000
8th St. Animal Facility	BC	Package Rooftop Units.	19	2015 Replacement Underway	\$ 100,000
Arena/CNHHS	BC	Multizone and Single Zone AHU's & H.&V. units/variable volume reheat and single zone AHU's.	varies	2030 2029/2031	\$ 5 Million
Art Annex West	NC	Unit Heaters, Gas Forced Air. No Cooling.	44	2016	\$ 800,000
Athletic Annex West	NC	Gas Unit Heaters	6	2024	\$ 125,000
Bayh College of Education (University Hall)	BC or CCWP	VAV system	9	2028	\$ 5 Million
Career Center	CCWP	VAV Units & Radiation.	25	2023	\$ 450,000
Center for Multimedia Services (formerly University Club)	BC	Single Zone DX Split System.	8	2025	\$ 15,000
Richard G. Landini Center for Performing and Fine Arts	CCWP/BC	VAV Reheat, Constant Volume & Radiation	19	2026	\$ 600,000
Central Chilled Water Plant	NC	Unit Heaters	26	2025	\$ 200,000.00
Central Heating Plant	BC	Single Zone, VAV AHU's and Unit Heaters. New Chiller 2009	15	2026	\$ 500,000
College of Nursing	CCWP	Dual Duct AHU. Part of Major Renovation ON HOLD	46	2013	\$ 1.5 Million
Condit House	BC	DX Split System.	8	2030	\$ 70,000
Dreiser Hall	CCWP/BC	Single & Multizone AHU's & perimeter fan coil units & radiation.	25	2022	\$ 1.6 Million
Erickson Hall	CCWP	Single Zone, Fan Coil Units, Radiation and VAV.	4	2043	\$ 2.5 Million
Facilities Management/ Purchasing	BC	Package Roof Top Units.	19	2018	\$ 250,000
Facilities Management Custodial/Recycling	BC	Package Roof Top Units.	19	2018	\$ 200,000
Facilities Management Grounds Maintenance	BC	Unit Heaters, Split System DX. (Direct Expansion)	7	2029	\$ 600,000
Fairbanks Hall	CCWP	Constant Volume Reheat System.	12	2030	\$ 600,000
Fine Arts Building	CCWP	Multizone & single zone AHU's, fan coils, unit ventilation radiation.	18	2019	\$ 250,000
Gillum Hall	CCWP	VAV AHU's & fan coil units.	24/11	2020	\$ 1.6 Million
Holmstedt Hall	CCWP	Multizone & dual duct AHU's.	13	2025	\$ 3.2 Million
Hospitality Home (Former Mullens House)	BC	DX Cooling with Heat Pumps	9	2028	\$ 15,000
Hulman Center	CCWP/BC	Multizone & Single Zone AHU's.	44	2017	\$ 4.5 Million

**FACILITIES MANAGEMENT DEPARTMENT
2016 - 2017 ANNUAL REPORT
HEATING, VENTILATION, & AIR CONDITIONING SYSTEMS**

INDIANA STATE UNIVERSITY

BUILDING NAME	COOLING SOURCE	HVAC DESCRIPTION	AGE	REPLACEMENT DATE (Approximate)	COST 2016 DOLLARS (Approximate)
John T. Myers Technology Center	CCWP	Single Zone VAV, Heat Recovery, Radiation, Unit Heater.	19	2028	\$ 4.1 Million
John W. Moore Welcome Center	CCWP	VAV AHU's	6	2032	\$ 800,000
Landsbaum Medical Center	BC	2 package rooftop systems. Constant volume reheat	13	2023	\$ 1.2 Million
Library, Cunningham Memorial	CCWP	Dual Duct VAV. New Chiller for rare books in 04	24/10	2024	\$ 4.8 Million
Memorial Stadium	BC	Single Zone AHU, DX system with Hot Water Heat.	11	2018	\$ 60,000
Memorial Stadium Dressing Room	BC	Single Zone AHU, DX system with Steam Heat.	7 8	2025	\$ 50,000
Morge Building	BC	Single Zone AHU, Boiler, Unit Heaters.	20	2015	\$ 120,000
Michael Simmons Student Activity Building	BC	DX cooling with Heat Pump	11	2025	\$ 15,000
Normal Hall	CCWP	VAV System	3	2040	\$ 2.3Million
Root Hall	CCWP	VAV & fan power boxes.	27	2019	\$ 2.7 Million
Satellite Chilled Water Plant	SCWP	Unit Heaters and 2500 ton Chiller	6	2033	N/A
Science Building	CCWP/ Partial BC	Dual Duct AHU's w/multizone controls. Heat Recovery System installed in 2001.	16	2020	\$ 8 Million
Science Building North (Animal Facility)	BC	Constant Volume Re-heat with chille water cooling.	16 A/C only	2020	\$ 50,000
Scott College of Business (Federal Hall)	BC	Single Zone VAV	5	2033	\$ TBA
Stalker Hall	CCWP	Multizone with Reheat.	13	2025	\$ 1.3 Million
Sycamore Wellness and Applied Medicine Building (former Stud. Serv.)	CCWP	VAV System	9	2030	\$ 1.6 Million
Technology (A)	CCWP	Single Zone AHU's & VAV.	38	2016	\$ 1.5 Million
Theater Building	BC	Single Zone AHU & Fan Coil Units. New Chiller installed in 05	52/13	2016	\$ 100,000
University Pavilion: Parsons Hall	CCWP	VAV, Fan powered boxes & Radiation.	25	2023	\$ 1.6 Million
Rankin Hall	CCWP	VAV, Fan powered boxes & Radiation.	25	2023	\$ 1.4 Million
Tirey Hall	CCWP	VAV, Fan powered boxes & Radiation.	28	2017	\$ 3.3 Million

Cooling Source Legend:

BC: Has it's own cooling source (stand alone chiller, direct expansion unit, etc.). Not connected to the Central Chilled Water Plant.

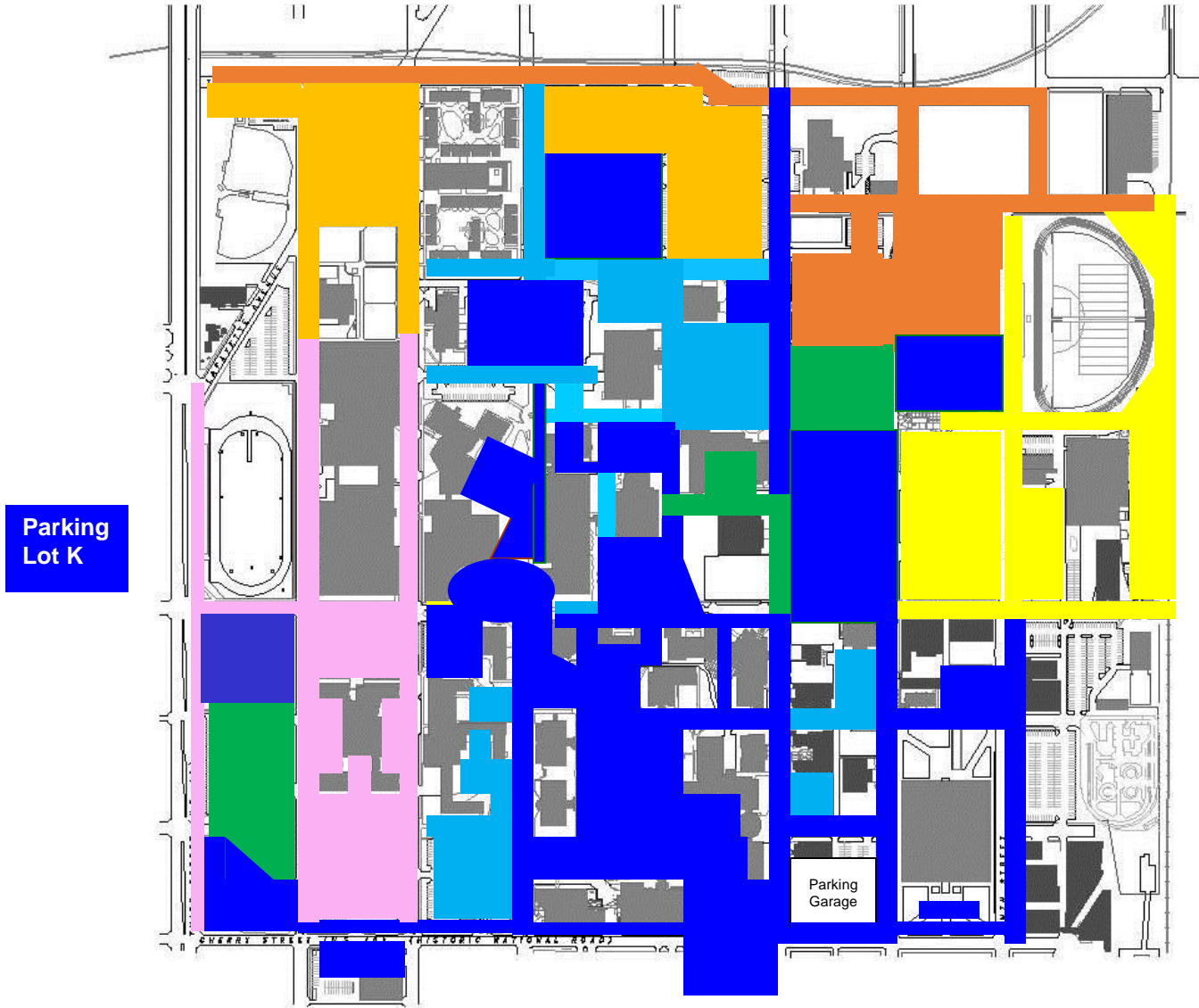
CCWP: Connected to the Central/Satellite Chilled Water Plants.

NC: No cooling system currently available.

Building	System	When Installed	Status	Comments	Next Replace
Lincoln Quad	Simplex 4120	1990	OL	Being Studied	2017
University Apartments 3&4	Simplex 4100ES	2017	OL	Under Construction	2037
Rhoads Hall	Simplex 4100ES	2018	OL	Under Construction	2038
CHHS	Simplex 4100ES	2019	OL	Under Construction	2039
University Apartments 1&2	Simplex 4120	1991	OL	Funded Under Design	2018
HMSU Commons	Simplex 4120	1998	OL	Voice System	Urgent
Condit House	Simplex 4020	1992	OL	Non-Voice System	Over Due
Central Chiller Plant	Simplex 4120	1992	OL	Non-Voice System	Over Due
Center for Multi-Media Services	Simplex 4120	1992	OL	Non-Voice System	Over Due
College of Nursing	Simplex 4020	1993	OL	Non-Voice System	Over Due
Landini Center for Performing Arts	Simplex 4120	1996	OL	Non-Voice System	Over Due
Hulman Center	Simplex 4120	1997	OL	Voice System	Over Due
John T Myers Technology Center	Simplex 4120	1997	OL	Non-Voice System	Over Due
Science and Science North	Simplex 4120	1997	OL	Non-Voice System	Over Due
Fine Arts	Simplex 4010	1998	OL	Non-Voice System	Over Due
Technology A Building	Simplex 4010	1998	OL	Non-Voice System	Over Due
Morge Building	Simplex 4020	1999	OL	Non-Voice System	2019
Theater Building	Simplex 4010	1999	OL	Non-Voice System	2019
THCME N 8th Street Facility	Simplex 4020	1999	OL	Non-Voice System	2019
Campus FA Network	Simplex TSW	2011	OL	Fiber Network	2020
Art Annex	Simplex 4120	2001	OL	Voice System	2021
Central Heating Plant	Simplex 4120	2001	OL	Voice System	2021
Cunningham Memorial Library	Simplex 4120	2001	OL	Voice System	2021
Gillum / Dreiser Hall	Simplex 4100U	2003	OL	Voice System	2023
Landsbaum Medical Center	Simplex 4100U	2003	OL	Voice System	2023
Fairbanks Hall	Simplex 4100U	2004	OL	Voice System	2024
Holmstedt Hall	Simplex 4100U	2004	OL	Voice System	2024
Normal Hall	Simplex 4100U	2005	OL	Voice System	2025
Stalker Hall	Simplex 4100U	2005	OL	Voice System	2025
Burford Hall	Simplex 4100U	2006	OL	Voice System	2026
Michael Simmons Center	Simplex 4100U	2006	OL	Voice System	2026
Root Hall	Simplex 4100U	2006	OL	Voice System	2026
Facilities Management	Simplex 4100U	2007	OL	Voice System	2027
John W Moore Welcome Center	Simplex 4100U	2007	OL	Voice System	2027
Student Service Center	Simplex 4100U	2007	OL	Voice System	2027
Federal Hall Scott/College of Bus	Simplex 4100U	2008	OL	Voice System	2028
Hines Hall	Simplex 4100U	2009	OL	Voice System	2029
Student Recreation Center	Simplex 4100U	2009	UC	Voice System	2029
University Hall/Bayh College of Ed	Simplex 4100U	2009	UC	Voice System	2029
Jones Hall	Simplex 4100U	2010	OL	Voice System	2030
Sandison Hall	Simplex 4100U	2010	OL	Voice System	2030
Satellite Chilled Water Plant	Simplex 4100U	2010	OL	Voice System	2030
Pickert Hall	Simplex 4100U	2011	UC	Voice System	2031
Erickson Hall	Simplex 4100ES	2013	OL	Voice System	2033
Career Center	Simplex 4100ES	2013	OL	Voice System	2033
Reeve Hall East & West (two sys)	Simplex 4100ES	2014	OL	Voice System	2034
Mills Hall	Simplex 4100ES	2015	OL	Voice System	2035
African American Cultural Center	Simplex 4100ES	2016	OL	Voice System	2036
Blumberg Hall	Simplex 4100ES	2016	OL	Voice System	2036
Grounds Maintenance Building	Simplex 4100ES	2016	OL	Voice System	2036
Hulman Memorial Student Union	Simplex 4100ES	2016	OL	Voice System	2036
Parsons Hall	Simplex 4100ES	2016	OL	Voice System	2036
Rankin/Tirey/Tilson Halls	Simplex 4100ES	2016	OL	Voice System	2036
Cromwell Hall	Simplex 4100ES	2017	UC	Voice System	2037

Emergency Power Systems						
Priority	Building	Existing System	Installed When	Install / Replace	Estimated Cost	Comments
TBD	CHHS/Arena	Two 15kW emergency generators	1990	2017	Included in Project Costs	New 250KW generator included in Project
2010 - 2017 - Deferred Unfunded (Costs Estimated in "2018 Dollars")						
2	Art Annex	Battery Lights	1972		\$ 100,000	Life Safety and Egress Lighting
2	Center for Multi-Media Services	Battery Lights	???		\$ 60,000	Life Safety and Egress Lighting-Repurpose 15KW generator from CHHS
Ancillary and Residential Life Unfunded Needs (Cost Estimated in "2018 Dollars")						
1	The Commons	Emergency Battery Lights	1991	ASAP	\$ 40,000	Battery Units to remain. Connect elevator to HMSU Generator. ADA Concern
Normal Power Systems (Switchgear)						
Priority	Building	Existing System	Installed When	Install / Replace	Estimated Cost	Comments
Ancillary and Residential Life Unfunded Needs (Cost Estimated in "2012 Dollars")						
3	Hulman Center	Manual Main-Tie-Main LV switchgear	1972	2019	Included in Project Costs	Being replaced under renovation project

Status	Building	State Number	Elevator Information	Repair When	Install When	Estimated Cost	Comments
2000-Present Deferred Unfunded Finance & Administration Buildings							
DEF	Root Hall	45243	Hyd; 3 Stop	ASAP		\$ 50,000	Code & ADA Items
DEF	Root Hall	45244	Hyd; 3 Stop	ASAP		\$ 50,000	Code & ADA Items
			Deferred Funding Needs			\$ 100,000	
2010-16 - Partially Funded							
DEF	Dreiser Hall	26085	OT; 4 Stop		On Hold	\$ 750,000	Renovate Elevator for ADA
			2010-11 Partially Funded			\$ 750,000	\$375,000 funded
2000-Present Deferred Unfunded Residential Life and Ancillary Buildings							
DEF	HMSU	34202	OT; 10 Stop	ASAP		\$ 250,000	Operational, Code & ADA Issues
DEF	HMSU	34203	OT; 10 Stop	ASAP		\$ 250,000	Operational, Code & ADA Issues
DEF	HMSU	45897	Hyd; 6 stop	ASAP		\$ 50,000	Code & ADA Items
DEF	HMSU	34731	Hyd; 2 stop	ASAP		\$ 150,000	Modernization, Code & ADA Items
			Deferred Funding Needs			\$ 700,000	Code & ADA Items



Complete Through July 2017	Do With Renovation / Construction Project
Proposed for 2018-19	Estimated Cost \$450,000
Proposed for 2019-20	Estimated Cost \$300,000
Proposed for 2020-21	Estimated Cost \$300,000
Proposed for 2021-22	Estimated Cost \$250,000
Proposed for 2022-23	Estimated Cost \$350,000

Historic Lighting
Now and the Future
Master Plan to 2023
Pat Teeters

EXISTING LOAD
Campus Buildings Served by the Central Chilled Water System

BUILDING	LOAD TONS
Human Center	250
College of Nursing Building	113
Parsons Hall, Rankin Hall, Trey Hall	205
John T. Myers Technology Center	282
College of Technology	101
Fine Arts Building	160
Normal Hall	120
Stalker Hall	160
Center for Performing and Fine Arts (CPFA)	86
Student Center	63
Moore Welcome Center	50
Ericsson Hall	200
Dresser Hall	134
Gillum Hall	105
Science Building North (North Branch)	1,227
Science Building South (South Branch)	273
Hines Hall & Jones Hall	400
Holmsted Hall	202
Root Hall	144
Lincoln Memorial Library	106
Science Building	190
Sycamore Dining / Center Core	200
Mills Hall	200
Blumberg Hall	200
Sandison Hall	130
Bayn College of Education	550
Burford Hall	120
Reeve Hall	170
Scott College of Business	170
Fairbanks Hall	50
Lincoln Quadrangles	300
Cromwell Hall	200
Arena and CHHS Building - North	705
Total Existing Load	7,725
Buildings with Stand-Alone Chiller Capacity	800
Total Load Less Buildings with Chillers	6,925

FUTURE LOAD
Future Campus Buildings to be Served by the Central Chilled Water Plant

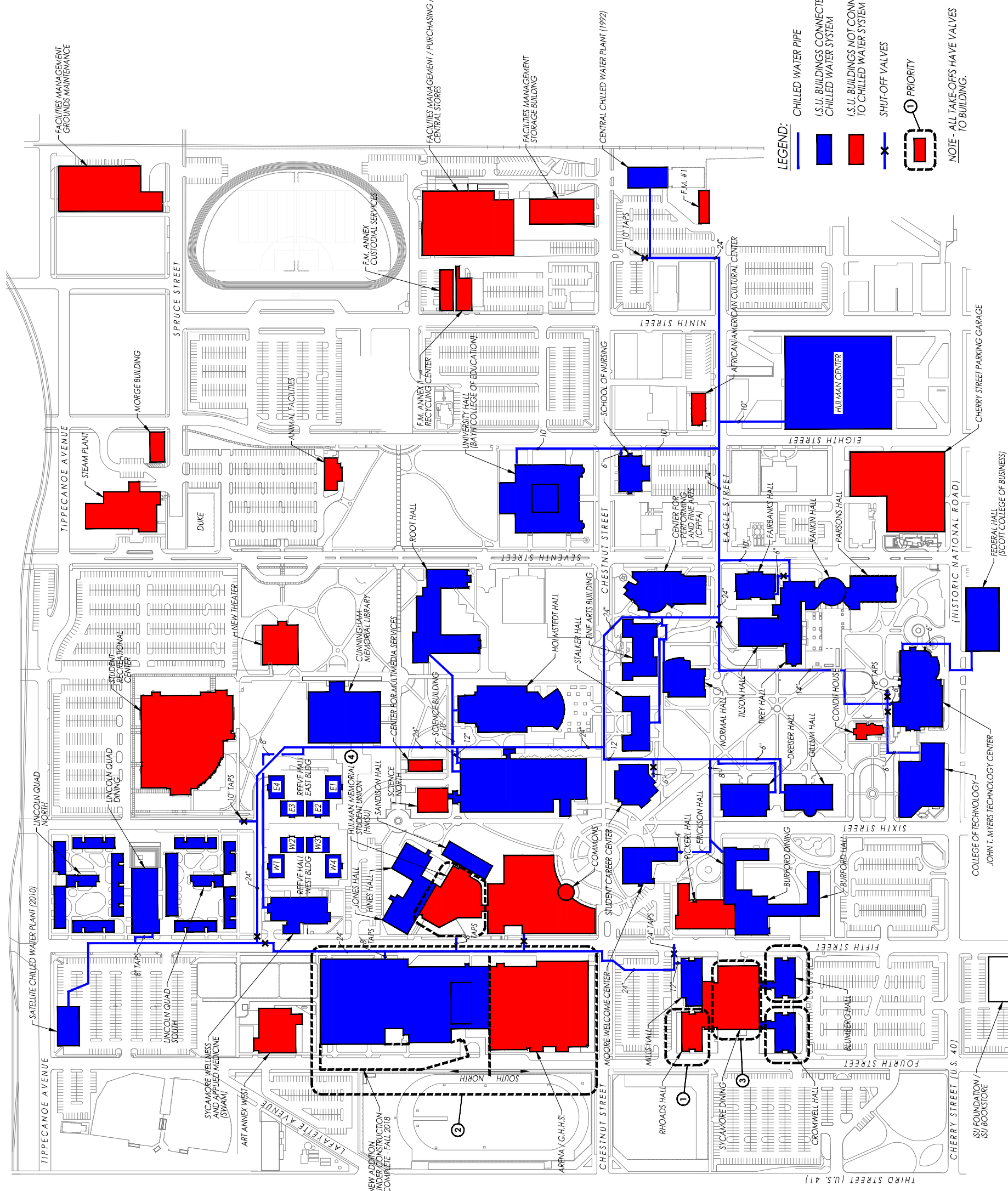
BUILDING	LOAD TONS
Rhoads Hall	200
Sycamore Dining / Center Core	100
Arena and CHHS Building - South	145
Picker Hall	160
Hulman Memorial Student Union (HMSU)	150
Future Load	765
Buildings with Stand-Alone Chiller Capacity	465
Total Future Load	8,480
Total Building Stand-Alone Chiller Capacity	1,255
Total Future Load Less Buildings with Chillers	7,225

- ④ BUILDING CURRENTLY HAS BOTH AN OPERATIVE CHILLER AND IS CONNECTED TO CENTRAL CHILLED WATER PLANT
- ⑤ HULMAN CENTER LOAD ON DESIGN DAY WITH MINIMAL OCCUPANCY. FUTURE LOAD WITH CONVENTION CENTER - 1,100 TONS.
- ⑥ THIS LOAD INCLUDES AN 80,000 SF (3) STORY CLASSROOM ADDITION AND A 20,000 SF ADDITION TO THE GYMNASIUM.
- ⑦ BUILDING CURRENTLY HAS OPERATIVE CHILLER.
- ⑧ 800 (TONS) + 455 (TONS) = 1,255 TONS
- ⑨ BUILDING NOT PIPED TO CENTRAL PLANT
- ⑩ TOTAL FUTURE LOAD INCLUDING THE HULMAN/CONVENTION CENTER WILL BE 7,330 TONS.

CAPACITY

BUILDING	TONS	Capacity (TONS)
Central Plant		
Chiller 1	1,200	
Chiller 2	1,200	
Chiller 3	1,200	
Chiller 4	1,200	
Plant Total		4,800
Satellite Plant		
Chiller 5	2,500	
Chiller 6	2,500	
Plant Total		5,000
Total Capacity		9,800

COOLING DESIGN DAY BASED ON ASHRAE - 92 degrees / 76.4 Relative Humidity



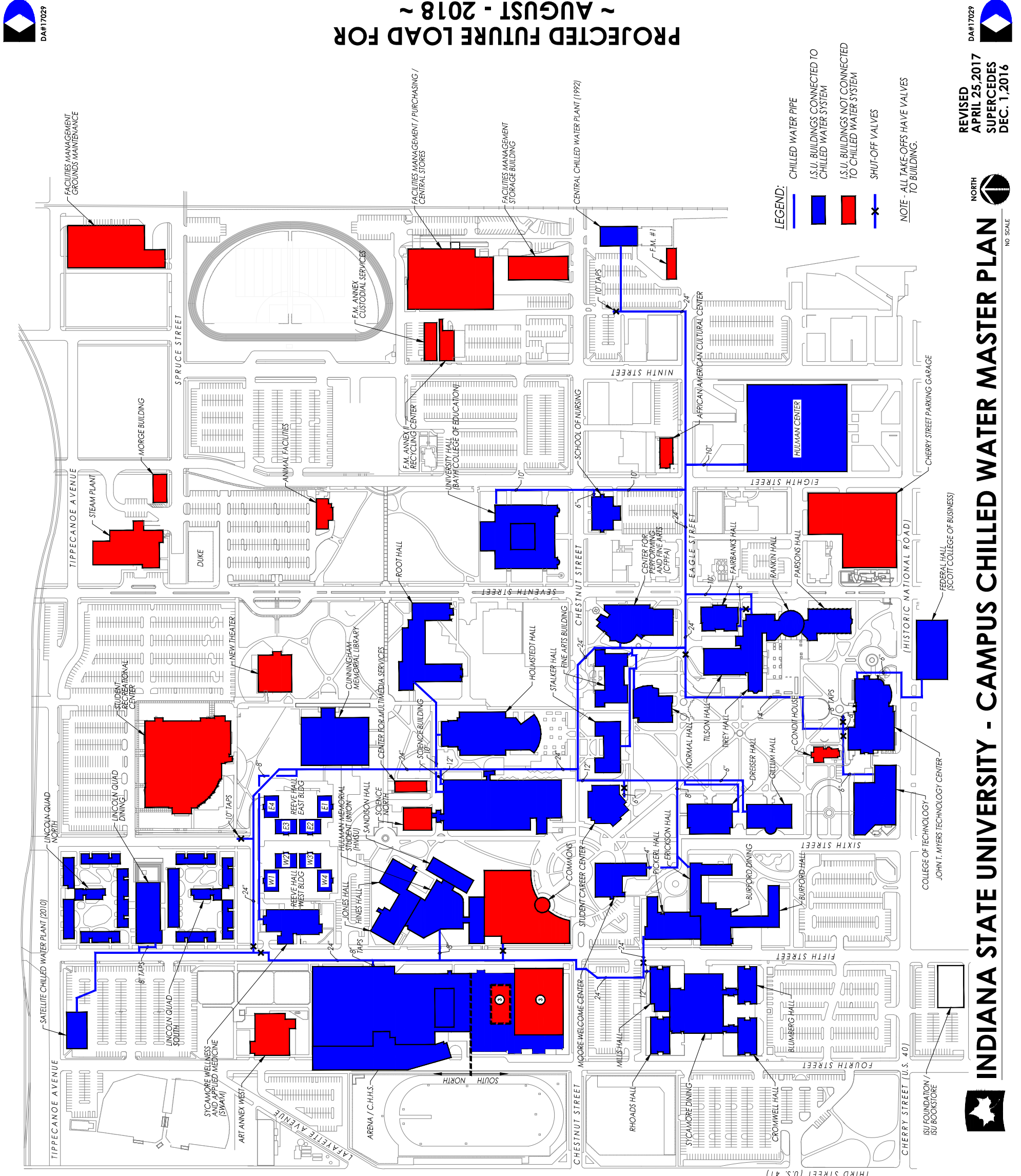
AUGUST 2018 LOAD

BUILDING	LOAD (TONS)	Buildings w/ Stand Alone Chillers
Human Center	260	
College of Nursing Building	113	
Parsons Hall, Rankin Hall, Tiley Hall	205	
John T. Myers Technology Center	282	
College of Technology	101	
Fine Arts Building	160	
Spiker Hall	160	
Center for Performing and Fine Arts	166	
Student Center Center	63	
Moore Welcome Center	20	
Erickson Hall	50	
Dresler Hall	134	
Glum Hall	105	
Science Building North (North Branch)	117	
Science Building South (South Branch)	273	
Hines Hall & Jones Hall	400	
Hornstead Hall	202	
Root Hall	144	
Cunningham Memorial Library	458	
SWAM Building	109	
Mills Hall	200	
Ray College of Education	130	
Burdick Hall	650	
Burdick Hall	120	
Reeve Hall	170	
Scott College of Business	80	
Fairbanks Hall	300	
Lincoln Quadrangles	200	
Blumberg Hall	200	
Rhoads Hall	200	
Sycamore Dining / Center Core	100	
Arena and CHHS Building - North	705	
Arena and CHHS Building - South	170	
Pickler Hall	160	
Human Memorial Student Union (HMSU)	150	
Total Load	8505	
Buildings with Chiller Capacity		
Total Load Less Buildings with Chillers		1255
Total Load	7250	

- * BUILDING HAS BOTH AN OPERATIVE CHILLER AND IS CONNECTED TO CENTRAL CHILLED WATER PLANT
- ① HUMAN CENTER LOAD ON DESIGN DAY WITH MINIMAL OCCUPANCY. ASSUMES LINCOLN QUADRANGLES ADDED TO CHILLED WATER PLANT.
- ② THIS LOAD INCLUDES AN 80,000 SF (3) STORY CLASSROOM ADDITION AND A 20,000 SF ADDITION TO THE GYMNASIUM.
- ③ SOUTH GYMNASIUM AND EAST ENTRANCE FOR SOUTH GYM SERVED BY DEDICATED 145 TON ROOFTOP CHILLER AND NOT CONNECTED TO CHILLED WATER PLANT. BASEMENT INDICATED BY DASHED LINE ALSO SERVED BY THIS DEDICATED 145 TON CHILLER.

BUILDING	TONS	Capacity (TONS)
Central Plant		
Chiller 1	1,200	
Chiller 2	1,200	
Chiller 3	1,200	
Chiller 4	1,200	
Plant Total	4,800	
Satellite Plant		
Chiller 5	2500	
Total Existing Capacity	7,300	
Future Capacity	2500	
Total Future Capacity	9,800	

COOLING DESIGN DAY BASED ON ASHRAE - 82 degrees / 76.4 Relative Humidity



LEGEND:

- CHILLED WATER PIPE
- I.S.U. BUILDINGS CONNECTED TO CHILLED WATER SYSTEM
- I.S.U. BUILDINGS NOT CONNECTED TO CHILLED WATER SYSTEM
- ✕ SHUT-OFF VALVES

NOTE - ALL TAKE-OFFS HAVE VALVES TO BUILDING.

PROJECTED FUTURE LOAD FOR ~ AUGUST - 2018 ~

REVISED
APRIL 25, 2017
SUPERCEDES
DEC. 1, 2016



INDIANA STATE UNIVERSITY - CAMPUS CHILLED WATER MASTER PLAN

