

WESTERN MICHIGAN UNIVERSITY
PAYMENTS TO TRUSTEE
PRINCIPAL & INTEREST
As of October 2017

	17/18	18/19	19/20	20/21	21/22	22/23	23/24	24/25	25/26	26/27	27/28
2002B General Revenue											
Paper Technology Pilot Plant	1,287,982	1,287,270	1,284,982	1,285,988	1,285,157	1,282,488	1,277,982	1,281,376	1,276,812	1,274,251	1,269,252
2013 General Revenue and Refunding											
1991A/1993A/2003/2013											
Auditorium Bonds #5945	77,531	78,694	78,591	78,537	78,941	13,676	13,566				
Health Center Bond #6918	25,153	25,530	25,497	25,480	25,611	4,437	4,401				
Student Svcs Bldg Bond #6991	51,410	52,180	52,113	52,077	52,344	9,068	8,995				
Athletic Facility Bond #8923	223,972	227,329	227,034	226,878	228,044	39,507	39,189				
1987 Term Loan (Aux.-Apts)	66,093	67,083	66,996	66,950	67,294	11,658	11,564				
1987 Term Loan (BSC Chiller)	103,449	105,000	104,863	104,792	105,330	18,248	18,101				
1987 Term Loan (Res. Halls)	117,817	119,583	119,428	119,346	119,959	20,782	20,615				
1988 Term Loan - (Apts)	134,815	136,835	136,658	136,564	137,266	23,780	23,589				
1988 Term Loan - (Res. Halls)	477,979	485,144	484,513	484,182	486,669	84,312	83,632				
1989 Term Loan - Cont Ed	375,410	381,036	380,541	380,281	382,235	66,220	65,686				
1989 Term Loan - Aux	0	0	0	0	0	0	0				
1989 Term Loan - Res. Halls	99,281	100,769	100,638	100,569	101,086	17,512	17,371				
Housing Phase II & III-Aux (Elmwood)	21,258	21,577	21,549	21,534	21,645	3,750	3,720				
Housing Ph II & III-Res(Draper,Burnham)	42,517	43,154	43,098	43,069	43,290	7,500	7,439				
Telecommunications	156,699	159,047	158,841	158,732	159,547	27,641	27,418				
Elmwood Apts GLM	89,474	90,815	90,697	90,635	91,101	15,783	15,655				
IBM 3090 Purchase & Remodelling	81,832	83,058	82,951	82,894	83,320	14,435	14,318				
E/S Burnham Phase IV	56,809	57,661	57,586	57,546	57,842	10,021	9,940				
Draper/Siedschlag Phase IV	70,136	71,187	71,094	71,046	71,411	12,371	12,272				
Spindler Hall	165,886	168,373	168,154	168,039	168,902	29,261	29,025				
Walwood Hall and Union	201,586	204,608	204,342	204,202	205,251	35,558	35,272				
Elmwood Apts OPQ	87,226	88,534	88,419	88,358	88,812	15,386	15,262				
Big 4 Phase V	20,740	21,051	21,023	21,009	21,117	3,658	3,629				
Subtotal 1991A/1993A/2003	2,747,074	2,788,248	2,784,626	2,782,720	2,797,017	484,565	480,657	0	0	0	0
Health & Human Services	13,657	13,862	13,844	13,835	13,906	2,409	2,390				
Health & Human Svcs-surcharge	179,875	182,571	182,334	182,209	183,145	31,729	31,473				
H&HS Sitework	113,687	115,391	115,241	115,162	115,754	20,054	19,892				
H&HS Equip & Dept Relocat	124,243	126,105	125,942	125,855	126,502	21,916	21,739				
KPH Maintenance Bldg Demo	0	0	0	0	0	0	0				
Oakland Dr Campus Steam Relocation	29,593	30,037	29,998	29,977	30,131	5,220	5,178				
West District Roads	140,346	142,450	142,265	142,168	142,898	24,756	24,556				
Chemistry Bldg	89,964	91,313	91,194	91,132	91,600	15,869	15,741				
Richmond Center for Visual Art	164,310	166,773	166,556	166,442	167,298	28,983	28,749				
Subtotal 2003 new money	855,676	868,502	867,374	866,780	871,233	150,935	149,718	0	0	0	0
Subtotal 2003 bonds	3,602,750	3,656,750	3,652,000	3,649,500	3,668,250	635,500	630,375	0	0	0	0

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	17/18	18/19	19/20	20/21	21/22	22/23	23/24	24/25	25/26	26/27	27/28
<u>2013 New Money</u>											
Western View - Phase II	559,413	557,038	559,288	556,163	557,663	558,663	559,163	559,163	558,394	556,844	554,769
Freshman Res Hall	3,045,113	3,044,863	3,042,613	3,043,238	3,041,613	3,042,613	3,041,113	3,041,988	3,043,525	3,040,525	3,044,113
East Hall (Alumni Center)	954,525	956,900	953,650	954,775	955,150	954,775	953,650	956,650	953,319	953,631	952,894
Subtotal 2013 new money	4,559,051	4,558,801	4,555,551	4,554,176	4,554,426	4,556,051	4,553,926	4,557,801	4,555,238	4,551,000	4,551,776
Total 2013 bonds	8,161,801	8,215,551	8,207,551	8,203,676	8,222,676	5,191,551	5,184,301	4,557,801	4,555,238	4,551,000	4,551,776
<u>2014/2005 General Revenue</u>											
Chemistry Bldg	1,102,029	1,101,921	1,103,079	1,103,622	1,103,079	1,103,079	1,103,984	1,103,320	1,103,441	1,101,872	1,104,297
Richmond Center for Visual Art	274,251	274,224	274,513	274,648	274,513	274,513	274,738	274,573	274,603	274,212	274,816
Brown Hall Renov	33,796	33,793	33,828	33,845	33,828	33,828	33,856	33,836	33,839	33,791	33,866
HHS Equip & Dept Relocation	913	913	914	915	914	914	915	914	915	913	915
Kohrman & RCVA Retrofit	775,713	775,637	776,452	776,834	776,452	776,452	777,089	776,622	776,707	775,603	777,310
Central Kohrman Classrooms	96,821	96,812	96,914	96,961	96,914	96,914	96,993	96,935	96,945	96,808	97,021
Total 2014/2005 bonds	2,283,525	2,283,300	2,285,700	2,286,825	2,285,700	2,285,700	2,287,575	2,286,200	2,286,450	2,283,200	2,288,225

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	17/18	18/19	19/20	20/21	21/22	22/23	23/24	24/25	25/26	26/27	27/28
2008 Refunding											
<u>1996 Nat City Loan/2000/2002A/2008</u>											
Engineering College & BTR Park	482,793										
COE Sitework	*										
COE Signage	*										
COE Relocation	*										
COE Icon	*										
COE Image Proj	*										
New Campus Parking Structures	100,618										
Energy Resource Center Phase I	290,523										
Energy Resource Center Phase II	56,162										
Health & Human Services	64,522										
Southwest Michigan Regional Ctr	79,456										
SMRC Fee	16,433										
Grand Rapids Bldg Renovation	77,467										
Indoor Practice Facility	423,114										
Indoor Practice Facility Sitework											
IPF-Oakland Gym Asbestos Abatement											
IPF-Brinks Asbestos Abatement											
ROTC Relocation to AT Bldg											
Brinks Printing Services Reloc											
AT Bldg Classroom Upgrade ROTC											
Athletic Soccer Complex											
Arboretum Property	58,612										
Arboretum-Student Apts Phase I	394,918										
Arboretum-Student Apts Phase II	374,593										
2002 Summer Parking Projects	58,007										
Parking Lot at COE	5,708										
West District Develop Sitework	30,012										
Howard/ W Mich City Proj	13,089										
Subtotal 2000 new money	2,526,028	0	0	0	0	0	0	0	0	0	0
Utilities	214,209										
HVAC	142,797										
Subtotal 1996 Nat City Loan	357,006	0	0	0	0	0	0	0	0	0	0
Subtotal 2000 bonds	2,883,035	0	0	0	0	0	0	0	0	0	0

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	17/18	18/19	19/20	20/21	21/22	22/23	23/24	24/25	25/26	26/27	27/28
BTR Design/Prof Fees	697,014										
Engineering College											
COE Surcharge Fee											
COE Sitework											
COE Substation											
Tcomm Fiber Optics											
COE Signage & Icon											
COE Relocation											
New Campus Parking Structures	384,849										
Health & Human Services	47,682										
Health & Human Services Sitework											
Indoor Practice Facility	447,353										
IPF Stadium Complex Generator											
Waldo Stadium Turf											
Fetzer Energy Mgmt	36,610										
Dalton Energy Mgmt											
Brown/Sprau Energy Mgmt											
Various Energy Mgmt											
SRC Energy Mgmt											
Admin Bldg DDC Controls											
Arboretum Community Center	42,146										
Arboretum Intersection	106,258										
Arboretum Entr Landscaping Proj-cancelled											
West District Road Proj	16,430										
Valley Drive Parking	7,501										
Subtotal 2002A bonds	1,785,840	0	0	0	0	0	0	0	0	0	0
Total 2008 bonds	4,668,875	0	0	0	0	0	0	0	0	0	0

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2009 Refunding											
1992/1997/2007/2009											
Recreational Facility	3,819,394	3,814,015	3,805,234	3,804,094	3,811,669	3,794,730					
Parking Structure #2/Bridge	702,950	701,960	700,344	700,134	701,529	698,411					
Miller/Shaw Utilities	114,531	114,369	114,106	114,072	114,299	113,791					
Subtotal 1992	4,636,876	4,630,345	4,619,684	4,618,300	4,627,497	4,606,932	0	0	0	0	0
Parking Ramp #1/Repairs	155,874	155,655	155,297	155,250	155,559	154,868			0	0	0
Subtotal 1997	155,874	155,655	155,297	155,250	155,559	154,868	0	0	0	0	0
Total 2009 Bonds	4,792,750	4,786,000	4,774,981	4,773,550	4,783,056	4,761,800	0	0	0	0	0
2011 General Revenue and Refunding											
1986/1999 Nat City Loan/1991B/2001/2011											
Power Improvements	66,469	66,446	66,566	66,534	71,809						
Campus Services Building	49,617	49,599	49,689	49,665	53,602						
Parking Systems	43,591	43,576	43,654	43,633	47,093						
Airport Hanger	0	0	0	0	0						
Telecommunications	295,348	295,242	295,776	295,633	319,072						
Computer Facility/ Equipment	479,975	479,803	480,671	480,440	518,530						
Subtotal 1986/1991B	935,000	934,665	936,355	935,905	1,010,106	0	0	0	0	0	0
BTR Design/Prof Fees	22,476	22,468	22,508	22,497							
Engineering College (Partial budget)	92,728	92,695	92,862	92,817							
New Campus Site Develop	75,885	75,858	75,995	75,958							
BTR Park Sitework (Partial Budget)	0	0	0	0							
BTR Landscape Buffer	10,550	10,546	10,565	10,560							
New Campus Parking Structures (partial)	50,114	50,096	50,186	50,162							
Subtotal 1999 Nat City Note/2001	251,753	251,662	252,117	251,996	0	0	0	0	0	0	0
Subtotal 2011 Refunding	1,186,753	1,186,327	1,188,472	1,187,901	1,010,106	0	0	0	0	0	0
Sangren Hall *	2,320,659	2,319,827	2,324,020	2,322,904	2,507,070	1,996,360	1,997,799	1,996,778	1,996,559	1,996,997	1,997,945
Western View Apts	966,722	966,375	968,122	967,657	1,044,375	831,628	832,227	831,802	831,711	831,893	832,288
Sangren Hall Sitework *	358,563	358,434	359,082	358,910	387,365	308,456	308,678	308,520	308,487	308,554	308,701
Schneider Hall Chiller Expansion *	263,165	263,071	263,547	263,420	284,305	226,390	226,553	226,437	226,412	226,462	226,569
West Michigan Substation *	68,259	68,234	68,357	68,325	73,742	58,720	58,762	58,732	58,726	58,739	58,766
Lee Honors College Expansion	134,592	134,544	134,787	134,723							
Subtotal 2011 new money	4,111,960	4,110,486	4,117,916	4,115,937	4,296,857	3,421,553	3,424,019	3,422,269	3,421,894	3,422,644	3,424,269
Total 2011 Bonds	5,298,713	5,296,813	5,306,388	5,303,838	5,306,963	3,421,553	3,424,019	3,422,269	3,421,894	3,422,644	3,424,269

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<u>2013 Lease Rental Revenue Bonds</u>											
Wmed	2,810,300	64,790,456	0	0	0	0	0	0	0	0	0
<u>2015 General Revenue and Refunding</u>											
<u>1996 Nat City Loan/2000/2002A/2008</u>											
Engineering College & BTR Park	440,513	923,448	868,435	910,755	874,097	918,109	882,912	892,361	891,249	892,620	906,851
COE Sitework	*										
COE Signage	*										
COE Relocation	*										
COE Icon	*										
COE Image Proj	*										
New Campus Parking Structures	91,806	192,454	180,989	189,809	182,169	191,341	184,006	185,975	185,744	186,029	188,995
Energy Resource Center Phase I	265,081	555,690	522,586	548,052	525,993	552,477	531,297	536,983	536,314	537,139	545,703
Energy Resource Center Phase II	51,243	107,421	101,022	105,945	101,680	106,800	102,706	103,805	103,676	103,835	105,491
Health & Human Services	58,872	123,413	116,061	121,717	116,818	122,700	117,996	119,259	119,110	119,293	121,195
Southwest Michigan Regional Ctr	72,498	151,978	142,924	149,889	143,856	151,099	145,307	146,862	146,679	146,904	149,246
SMRC Fee	14,994	31,432	29,560	31,000	29,752	31,251	30,053	30,374	30,336	30,383	30,867
Grand Rapids Bldg Renovation	70,683	148,173	139,346	146,136	140,254	147,316	141,669	143,185	143,007	143,226	145,510
Indoor Practice Facility	386,060	809,299	761,087	798,175	766,048	804,620	773,774	782,055	781,081	782,281	794,754
Indoor Practice Facility Sitework											
IPF-Oakland Gym Asbestos Abatement											
IPF-Brinks Asbestos Abatement											
ROTC Relocation to AT Bldg											
Brinks Printing Services Reloc											
AT Bldg Classroom Upgrade ROTC											
Athletic Soccer Complex											
Arboretum Property	53,479	112,108	105,430	110,568	106,117	111,460	107,187	108,335	108,200	108,366	110,094
Arboretum-Student Apts Phase I	360,333	755,368	710,368	744,985	714,999	751,001	722,210	729,939	729,030	730,151	741,792
Arboretum-Student Apts Phase II	341,788	716,491	673,807	706,642	678,200	712,349	685,040	692,371	691,509	692,572	703,614
2002 Summer Parking Projects	52,927	110,950	104,341	109,425	105,021	110,309	106,080	107,215	107,082	107,247	108,956
Parking Lot at COE	5,209	10,919	10,268	10,769	10,335	10,855	10,439	10,551	10,538	10,554	10,722
West District Develop Sitework	27,384	57,405	53,985	56,616	54,337	57,073	54,885	55,473	55,404	55,489	56,374
Howard/ W Mich City Proj	11,943	25,036	23,544	24,691	23,698	24,891	23,937	24,193	24,163	24,200	24,586
Subtotal 2000 new money	2,304,812	4,831,585	4,543,754	4,765,172	4,573,375	4,803,654	4,619,499	4,668,936	4,663,120	4,670,288	4,744,748
Utilities	195,450	409,723	385,314	404,091	387,826	407,354	391,738	395,930	395,437	396,045	402,359
HVAC	130,291	273,130	256,859	269,376	258,534	271,551	261,141	263,936	263,607	264,012	268,221
Subtotal 1996 Nat City Loan	325,742	682,853	642,173	673,467	646,360	678,905	652,878	659,865	659,043	660,057	670,580
Subtotal 2000 bonds	2,630,554	5,514,437	5,185,927	5,438,639	5,219,735	5,482,559	5,272,377	5,328,801	5,322,163	5,330,345	5,415,329

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BTR Design/Prof Fees	635,973	1,333,192	1,253,770	1,314,866	1,261,943	1,325,485	1,274,670	1,288,311	1,286,707	1,288,685	1,309,231
Engineering College											
COE Surcharge Fee											
COE Sitework											
COE Substation											
Tcomm Fiber Optics											
COE Signage & Icon											
COE Relocation											
New Campus Parking Structures	351,146	736,108	692,256	725,990	696,769	731,852	703,796	711,328	710,441	711,534	722,878
Health & Human Services	43,506	91,202	85,769	89,949	86,328	90,675	87,199	88,132	88,022	88,158	89,563
Health & Human Services Sitework											
Indoor Practice Facility	408,176	855,661	804,687	843,900	809,933	850,715	818,101	826,856	825,826	827,096	840,283
IPF Stadium Complex Generator											
Waldo Stadium Turf											
Fetzer Energy Mgmt	33,404	70,024	65,853	69,062	66,282	69,619	66,950	67,667	67,583	67,686	68,766
Dalton Energy Mgmt											
Brown/Sprau Energy Mgmt											
Various Energy Mgmt											
SRC Energy Mgmt											
Admin Bldg DDC Controls											
Arboretum Community Center	38,455	80,613	75,811	79,505	76,305	80,147	77,075	77,899	77,802	77,922	79,164
Arboretum Intersection	96,952	203,241	191,133	200,447	192,379	202,066	194,319	196,399	196,154	196,456	199,588
Arboretum Entr Landscaping Proj-cancelled											
West District Road Proj	14,991	31,425	29,553	30,994	29,746	31,244	30,046	30,368	30,330	30,376	30,861
Valley Drive Parking	6,844	14,346	13,492	14,149	13,580	14,264	13,717	13,864	13,846	13,868	14,089
Subtotal 2002A bonds	1,629,446	3,415,813	3,212,323	3,368,861	3,233,265	3,396,066	3,265,873	3,300,824	3,296,712	3,301,780	3,354,421
Subtotal 2015 refunding of 2008 bonds	4,260,000	8,930,250	8,398,250	8,807,500	8,453,000	8,878,625	8,538,250	8,629,625	8,618,875	8,632,125	8,769,750
2015 New Money											
Heritage Hall	284,750	281,250	282,625	283,750	284,625	285,250	280,750	281,125	281,250	281,125	280,750
Goldsworth Valley Dining	1,288,000	1,287,125	1,290,375	1,287,750	1,289,250	1,289,750	1,289,250	1,287,750	1,285,250	1,286,625	1,286,750
Subtotal 2015 new money	1,572,750	1,568,375	1,573,000	1,571,500	1,573,875	1,575,000	1,570,000	1,568,875	1,566,500	1,567,750	1,567,500
Total 2015 Bonds	5,832,750	10,498,625	9,971,250	10,379,000	10,026,875	10,453,625	10,108,250	10,198,500	10,185,375	10,199,875	10,337,250
TOTAL PAYMENT TO TRUSTEES	35,136,696	97,158,015	31,830,852	32,232,877	31,910,427	27,396,717	22,282,127	21,746,146	21,725,769	21,730,970	21,870,772

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	28/29	29/30	30/31	31/32	32/33	33/34	34/35	35/36	36/37	37/38	38/39	39/40
2002B General Revenue												
Paper Technology Pilot Plant	1,266,678	1,261,394	1,258,264	1,252,154	1,247,927							
2013 General Revenue and Refunding												
1991A/1993A/2003/2013												
Auditorium Bonds #5945												
Health Center Bond #6918												
Student Svcs Bldg Bond #6991												
Athletic Facility Bond #8923												
1987 Term Loan (Aux.-Apts)												
1987 Term Loan (BSC Chiller)												
1987 Term Loan (Res. Halls)												
1988 Term Loan - (Apts)												
1988 Term Loan - (Res. Halls)												
1989 Term Loan - Cont Ed												
1989 Term Loan - Aux												
1989 Term Loan - Res. Halls												
Housing Phase II & III-Aux (Elmwood)												
Housing Ph II & III-Res(Draper,Burnham)												
Telecommunications												
Elmwood Apts GLM												
IBM 3090 Purchase & Remodelling												
E/S Burnham Phase IV												
Draper/Siedschlag Phase IV												
Spindler Hall												
Walwood Hall and Union												
Elmwood Apts OPQ												
Big 4 Phase V												
Subtotal 1991A/1993A/2003	0	0	0	0	0	0	0	0	0	0	0	0
Health & Human Services												
Health & Human Svcs-surcharge												
H&HS Sitework												
H&HS Equip & Dept Relocat												
KPH Maintenance Bldg Demo												
Oakland Dr Campus Steam Relocation												
West District Roads												
Chemistry Bldg												
Richmond Center for Visual Art												
Subtotal 2003 new money	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal 2003 bonds	0	0	0	0	0	0	0	0	0	0	0	0

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As of October 2017

	28/29	29/30	30/31	31/32	32/33	33/34	34/35	35/36	36/37	37/38	38/39	39/40
<u>2013 New Money</u>												
Western View - Phase II	557,038	558,519	559,213	559,119	558,238	556,569	559,413	556,788	558,288	558,788	558,288	556,788
Freshman Res Hall	3,044,025	3,045,131	3,042,300	3,045,269	3,043,775	3,042,688	3,044,088	3,042,963	3,041,963	3,040,838	3,044,213	3,041,838
East Hall (Alumni Center)	955,975	957,744	953,331	957,606	955,438	956,825	957,375	957,125	955,375	957,000	956,875	955,000
Subtotal 2013 new money	4,557,038	4,561,394	4,554,844	4,561,994	4,557,451	4,556,082	4,560,876	4,556,876	4,555,626	4,556,626	4,559,376	4,553,626
Total 2013 bonds	4,557,038	4,561,394	4,554,844	4,561,994	4,557,451	4,556,082	4,560,876	4,556,876	4,555,626	4,556,626	4,559,376	4,553,626
<u>2014/2005 General Revenue</u>												
Chemistry Bldg	1,102,681	1,100,871	1,101,836	1,102,982	1,101,921	1,103,803	1,104,044	1,102,644				
Richmond Center for Visual Art	274,413	273,963	274,203	274,489	274,224	274,693	274,753	274,404				
Brown Hall Renov	33,816	33,761	33,790	33,825	33,793	33,851	33,858	33,815				
HHS Equip & Dept Relocation	914	912	913	914	913	915	915	914				
Kohrman & RCVA Retrofit	776,172	774,898	775,578	776,384	775,637	776,962	777,132	776,147				
Central Kohrman Classrooms	96,879	96,720	96,805	96,905	96,812	96,977	96,998	96,876				
Total 2014/2005 bonds	2,284,875	2,281,125	2,283,125	2,285,500	2,283,300	2,287,200	2,287,700	2,284,800	0	0	0	0

**WESTERN MICHIGAN UNIVERSITY
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	28/29	29/30	30/31	31/32	32/33	33/34	34/35	35/36	36/37	37/38	38/39	39/40
2008 Refunding												
<u>1996 Nat City Loan/2000/2002A/2008</u>												
Engineering College & BTR Park												
COE Sitework												
COE Signage												
COE Relocation												
COE Icon												
COE Image Proj												
New Campus Parking Structures												
Energy Resource Center Phase I												
Energy Resource Center Phase II												
Health & Human Services												
Southwest Michigan Regional Ctr												
SMRC Fee												
Grand Rapids Bldg Renovation												
Indoor Practice Facility												
Indoor Practice Facility Sitework												
IPF-Oakland Gym Asbestos Abatement												
IPF-Brinks Asbestos Abatement												
ROTC Relocation to AT Bldg												
Brinks Printing Services Reloc												
AT Bldg Classroom Upgrade ROTC												
Athletic Soccer Complex												
Arboretum Property												
Arboretum-Student Apts Phase I												
Arboretum-Student Apts Phase II												
2002 Summer Parking Projects												
Parking Lot at COE												
West District Develop Sitework												
Howard/ W Mich City Proj												
Subtotal 2000 new money	0	0	0	0	0	0	0	0	0	0	0	0
Utilities												
HVAC												
Subtotal 1996 Nat City Loan	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal 2000 bonds	0	0	0	0	0	0	0	0	0	0	0	0

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	28/29	29/30	30/31	31/32	32/33	33/34	34/35	35/36	36/37	37/38	38/39	39/40
BTR Design/Prof Fees												
Engineering College												
COE Surcharge Fee												
COE Sitework												
COE Substation												
Tcomm Fiber Optics												
COE Signage & Icon												
COE Relocation												
New Campus Parking Structures												
Health & Human Services												
Health & Human Services Sitework												
Indoor Practice Facility												
IPF Stadium Complex Generator												
Waldo Stadium Turf												
Fetzer Energy Mgmt												
Dalton Energy Mgmt												
Brown/Sprau Energy Mgmt												
Various Energy Mgmt												
SRC Energy Mgmt												
Admin Bldg DDC Controls												
Arboretum Community Center												
Arboretum Intersection												
Arboretum Entr Landscaping Proj-cancelled												
West District Road Proj												
Valley Drive Parking												
Subtotal 2002A bonds	0	0	0	0	0	0	0	0	0	0	0	0
Total 2008 bonds	0	0	0	0	0	0	0	0	0	0	0	0

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	28/29	29/30	30/31	31/32	32/33	33/34	34/35	35/36	36/37	37/38	38/39	39/40
2009 Refunding												
<u>1992/1997/2007/2009</u>												
Recreational Facility												
Parking Structure #2/Bridge												
Miller/Shaw Utilities												
Subtotal 1992	0	0	0	0	0	0	0	0	0	0	0	0
Parking Ramp #1/Repairs	0	0	0									
Subtotal 1997	0	0	0	0	0	0	0	0	0	0	0	0
Total 2009 Bonds	0	0	0	0	0	0	0	0	0	0	0	0
2011 General Revenue and Refunding												
<u>1986/1999 Nat City Loan/1991B/2001/2011</u>												
Power Improvements												
Campus Services Building												
Parking Systems												
Airport Hanger												
Telecommunications												
Computer Facility/ Equipment												
Subtotal 1986/1991B	0	0	0	0	0	0	0	0	0	0	0	0
BTR Design/Prof Fees												
Engineering College (Partial budget)												
New Campus Site Develop												
BTR Park Sitework (Partial Budget)												
BTR Landscape Buffer												
New Campus Parking Structures (partial)												
Subtotal 1999 Nat City Note/2001	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal 2011 Refunding	0	0	0	0	0	0	0	0	0	0	0	0
Sangren Hall *	1,996,413	1,998,091	1,996,997	1,995,975	1,996,925	1,996,668	1,997,770	1,997,040	1,998,010	1,997,533	1,995,454	1,997,303
Western View Apts	831,650	832,349	831,893	831,468	831,863	831,756	832,215	831,911	832,315	832,116	831,250	832,021
Sangren Hall Sitework *	308,464	308,723	308,554	308,396	308,543	308,503	308,674	308,561	308,711	308,637	308,316	308,601
Schneider Hall Chiller Expansion *	226,396	226,586	226,462	226,346	226,454	226,424	226,549	226,467	226,577	226,523	226,287	226,496
West Michigan Substation *	58,721	58,771	58,739	58,708	58,736	58,729	58,761	58,740	58,768	58,754	58,693	58,748
Lee Honors College Expansion												
Subtotal 2011 new money	3,421,644	3,424,519	3,422,644	3,420,894	3,422,522	3,422,081	3,423,969	3,422,719	3,424,381	3,423,563	3,420,000	3,423,169
Total 2011 Bonds	3,421,644	3,424,519	3,422,644	3,420,894	3,422,522	3,422,081	3,423,969	3,422,719	3,424,381	3,423,563	3,420,000	3,423,169

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	28/29	29/30	30/31	31/32	32/33	33/34	34/35	35/36	36/37	37/38	38/39	39/40
<u>2013 Lease Rental Revenue Bonds</u>												
Wmed	0	0	0	0	0	0	0	0	0	0	0	0
<u>2015 General Revenue and Refunding</u>												
<u>1996 Nat City Loan/2000/2002A/2008</u>												
Engineering College & BTR Park	887,824	888,535	886,247	257,431	258,090							
COE Sitework												
COE Signage												
COE Relocation												
COE Icon												
COE Image Proj												
New Campus Parking Structures	185,030	185,178	184,701	53,651	53,788							
Energy Resource Center Phase I	534,253	534,681	533,304	154,911	155,307							
Energy Resource Center Phase II	103,277	103,360	103,094	29,946	30,023							
Health & Human Services	118,652	118,747	118,441	34,404	34,492							
Southwest Michigan Regional Ctr	146,115	146,232	145,856	42,367	42,476							
SMRC Fee	30,220	30,244	30,166	8,762	8,785							
Grand Rapids Bldg Renovation	142,457	142,571	142,204	41,306	41,412							
Indoor Practice Facility	778,079	778,702	776,697	225,610	226,187							
Indoor Practice Facility Sitework												
IPF-Oakland Gym Asbestos Abatement												
IPF-Brinks Asbestos Abatement												
ROTC Relocation to AT Bldg												
Brinks Printing Services Reloc												
AT Bldg Classroom Upgrade ROTC												
Athletic Soccer Complex												
Arboretum Property	107,784	107,870	107,592	31,253	31,333							
Arboretum-Student Apts Phase I	726,228	726,810	724,938	210,575	211,114							
Arboretum-Student Apts Phase II	688,851	689,403	687,627	199,737	200,249							
2002 Summer Parking Projects	106,670	106,756	106,481	30,930	31,009							
Parking Lot at COE	10,497	10,506	10,479	3,044	3,052							
West District Develop Sitework	55,191	55,235	55,093	16,003	16,044							
Howard/ W Mich City Proj	24,070	24,089	24,027	6,979	6,997							
Subtotal 2000 new money	4,645,198	4,648,917	4,636,947	1,346,909	1,350,358	0	0	0	0	0	0	0
Utilities	393,917	394,232	393,217	114,219	114,512							
HVAC	262,594	262,804	262,127	76,141	76,336							
Subtotal 1996 Nat City Loan	656,511	657,036	655,344	190,360	190,847	0	0	0	0	0	0	0
Subtotal 2000 bonds	5,301,708	5,305,954	5,292,291	1,537,268	1,541,205	0	0	0	0	0	0	0

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	28/29	29/30	30/31	31/32	32/33	33/34	34/35	35/36	36/37	37/38	38/39	39/40
BTR Design/Prof Fees	1,281,761	1,282,788	1,279,485	371,656	372,608							
Engineering College												
COE Surcharge Fee												
COE Sitework												
COE Substation												
Tcomm Fiber Optics												
COE Signage & Icon												
COE Relocation												
New Campus Parking Structures	707,711	708,278	706,454	205,206	205,731							
Health & Human Services	87,684	87,754	87,528	25,425	25,490							
Health & Human Services Sitework												
Indoor Practice Facility	822,652	823,311	821,191	238,534	239,145							
IPF Stadium Complex Generator												
Waldo Stadium Turf												
Fetzer Energy Mgmt	67,323	67,377	67,203	19,521	19,571							
Dalton Energy Mgmt												
Brown/Sprau Energy Mgmt												
Various Energy Mgmt												
SRC Energy Mgmt												
Admin Bldg DDC Controls												
Arboretum Community Center	77,503	77,565	77,366	22,473	22,530							
Arboretum Intersection	195,400	195,557	195,053	56,658	56,803							
Arboretum Entr Landscaping Proj-cancelled												
West District Road Proj	30,213	30,237	30,160	8,761	8,783							
Valley Drive Parking	13,793	13,804	13,769	3,999	4,010							
Subtotal 2002A bonds	3,284,042	3,286,671	3,278,209	952,232	954,670	0	0	0	0	0	0	0
Subtotal 2015 refunding of 2008 bonds	8,585,750	8,592,625	8,570,500	2,489,500	2,495,875	0	0	0	0	0	0	0
2015 New Money												
Heritage Hall	285,000	283,875	282,500	280,875	283,875	281,500	283,750	280,625	282,125	283,125	283,625	283,625
Goldsworth Valley Dining	1,285,625	1,288,125	1,289,125	1,288,625	1,286,625	1,288,000	1,287,625	1,285,500	1,286,500	1,285,500	1,287,375	1,287,000
Subtotal 2015 new money	1,570,625	1,572,000	1,571,625	1,569,500	1,570,500	1,569,500	1,571,375	1,566,125	1,568,625	1,568,625	1,571,000	1,570,625
Total 2015 Bonds	10,156,375	10,164,625	10,142,125	4,059,000	4,066,375	1,569,500	1,571,375	1,566,125	1,568,625	1,568,625	1,571,000	1,570,625
TOTAL PAYMENT TO TRUSTEES	21,686,610	21,693,057	21,661,002	15,579,542	15,577,575	11,834,863	11,843,920	11,830,520	9,548,632	9,548,814	9,550,376	9,547,420

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	40/41	41/42	42/43	43/44	44/45	45/46	Balance Fy 2018 - FY 2046
2002B General Revenue							
Paper Technology Pilot Plant							20,379,957
2013 General Revenue and Refunding							
1991A/1993A/2003/2013							
Auditorium Bonds #5945							419,536
Health Center Bond #6918							136,109
Student Svcs Bldg Bond #6991							278,188
Athletic Facility Bond #8923							1,211,954
1987 Term Loan (Aux.-Apts)							357,639
1987 Term Loan (BSC Chiller)							559,782
1987 Term Loan (Res. Halls)							637,530
1988 Term Loan - (Apts)							729,506
1988 Term Loan - (Res. Halls)							2,586,431
1989 Term Loan - Cont Ed							2,031,408
1989 Term Loan - Aux							0
1989 Term Loan - Res. Halls							537,227
Housing Phase II & III-Aux (Elmwood)							115,033
Housing Ph II & III-Res(Draper,Burnham)							230,067
Telecommunications							847,924
Elmwood Apts GLM							484,159
IBM 3090 Purchase & Remodelling							442,807
E/S Burnham Phase IV							307,405
Draper/Siedschlag Phase IV							379,516
Spindler Hall							897,640
Walwood Hall and Union							1,090,820
Elmwood Apts OPQ							471,997
Big 4 Phase V							112,227
Subtotal 1991A/1993A/2003	0	0	0	0	0	0	14,864,906
Health & Human Services							73,902
Health & Human Svcs-surcharge							973,334
H&HS Sitework							615,180
H&HS Equip & Dept Relocat							672,302
KPH Maintenance Bldg Demo							0
Oakland Dr Campus Steam Relocation							160,135
West District Roads							759,439
Chemistry Bldg							486,813
Richmond Center for Visual Art							889,112
Subtotal 2003 new money	0	0	0	0	0	0	4,630,219
Subtotal 2003 bonds	0	0	0	0	0	0	19,495,125

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	40/41	41/42	42/43	43/44	44/45	45/46	Balance Fy 2018 - FY 2046
<u>2013 New Money</u>							
Western View - Phase II	558,581	558,513	557,131	559,295			15,067,130
Freshman Res Hall	3,045,169	3,043,538	3,044,556	3,042,822			82,166,493
East Hall (Alumni Center)	955,256	957,338	957,056	954,412			25,799,650
Subtotal 2013 new money	4,559,006	4,559,389	4,558,743	4,556,529	0	0	123,033,273
Total 2013 bonds	4,559,006	4,559,389	4,558,743	4,556,529	0	0	142,528,398
<u>2014/2005 General Revenue</u>							
Chemistry Bldg							20,954,504
Richmond Center for Visual Art							5,214,745
Brown Hall Renov							642,616
HHS Equip & Dept Relocation							17,368
Kohrman & RCVA Retrofit							14,749,782
Central Kohrman Classrooms							1,841,009
Total 2014/2005 bonds	0	0	0	0	0	0	43,420,025

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	40/41	41/42	42/43	43/44	44/45	45/46	Balance Fy 2018 - FY 2046
2008 Refunding							
<u>1996 Nat City Loan/2000/2002A/2008</u>							
Engineering College & BTR Park							482,793
COE Sitework							0
COE Signage							0
COE Relocation							0
COE Icon							0
COE Image Proj							0
New Campus Parking Structures							100,618
Energy Resource Center Phase I							290,523
Energy Resource Center Phase II							56,162
Health & Human Services							64,522
Southwest Michigan Regional Ctr							79,456
SMRC Fee							16,433
Grand Rapids Bldg Renovation							77,467
Indoor Practice Facility							423,114
Indoor Practice Facility Sitework							0
IPF-Oakland Gym Asbestos Abatement							0
IPF-Brinks Asbestos Abatement							0
ROTC Relocation to AT Bldg							0
Brinks Printing Services Reloc							0
AT Bldg Classroom Upgrade ROTC							0
Athletic Soccer Complex							0
Arboretum Property							58,612
Arboretum-Student Apts Phase I							394,918
Arboretum-Student Apts Phase II							374,593
2002 Summer Parking Projects							58,007
Parking Lot at COE							5,708
West District Develop Sitework							30,012
Howard/ W Mich City Proj							13,089
Subtotal 2000 new money	0	0	0	0	0	0	2,526,028
Utilities							214,209
HVAC							142,797
Subtotal 1996 Nat City Loan	0	0	0	0	0	0	357,006
Subtotal 2000 bonds	0	0	0	0	0	0	2,883,035

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BTR Design/Prof Fees							697,014
Engineering College							0
COE Surcharge Fee							0
COE Sitework							0
COE Substation							0
Tcomm Fiber Optics							0
COE Signage & Icon							0
COE Relocation							0
New Campus Parking Structures							384,849
Health & Human Services							47,682
Health & Human Services Sitework							0
Indoor Practice Facility							447,353
IPF Stadium Complex Generator							0
Waldo Stadium Turf							0
Fetzer Energy Mgmt							36,610
Dalton Energy Mgmt							0
Brown/Sprau Energy Mgmt							0
Various Energy Mgmt							0
SRC Energy Mgmt							0
Admin Bldg DDC Controls							0
Arboretum Community Center							42,146
Arboretum Intersection							106,258
Arboretum Entr Landscaping Proj-cancelled							0
West District Road Proj							16,430
Valley Drive Parking							7,501
Subtotal 2002A bonds	0	0	0	0	0	0	1,785,840
Total 2008 bonds	0	0	0	0	0	0	4,668,875

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	40/41	41/42	42/43	43/44	44/45	45/46	Balance Fy 2018 - FY 2046
2009 Refunding							
<u>1992/1997/2007/2009</u>							
Recreational Facility							22,849,137
Parking Structure #2/Bridge							4,205,328
Miller/Shaw Utilities							685,169
Subtotal 1992	0	0	0	0	0	0	27,739,634
Parking Ramp #1/Repairs							932,503
Subtotal 1997	0	0	0	0	0	0	
Total 2009 Bonds	0	0	0	0	0	0	28,672,137
2011 General Revenue and Refunding							
<u>1986/1999 Nat City Loan/1991B/2001/2011</u>							
Power Improvements							337,823
Campus Services Building							252,172
Parking Systems							221,547
Airport Hanger							0
Telecommunications							1,501,071
Computer Facility/ Equipment							2,439,419
Subtotal 1986/1991B	0	0	0	0	0	0	4,752,031
BTR Design/Prof Fees							89,949
Engineering College (Partial budget)							371,102
New Campus Site Develop							303,696
BTR Park Sitework (Partial Budget)							0
BTR Landscape Buffer							42,222
New Campus Parking Structures (partial)							200,558
Subtotal 1999 Nat City Note/2001	0	0	0	0	0	0	1,007,528
Subtotal 2011 Refunding	0	0	0	0	0	0	5,759,559
Sangren Hall *	1,996,938						49,738,033
Western View Apts	831,869						20,719,478
Sangren Hall Sitework *	308,545						7,684,979
Schneider Hall Chiller Expansion *	226,455						5,640,351
West Michigan Substation *	58,737						1,462,966
Lee Honors College Expansion							538,646
Subtotal 2011 new money	3,422,544	0	0	0	0	0	85,784,453
Total 2011 Bonds	3,422,544	0	0	0	0	0	91,544,012

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<u>2013 Lease Rental Revenue Bonds</u>							
Wmed	0	0	0	0	0	0	67,600,756
2015 General Revenue and Refunding							
<u>1996 Nat City Loan/2000/2002A/2008</u>							
Engineering College & BTR Park							12,579,477
COE Sitework							0
COE Signage							0
COE Relocation							0
COE Icon							0
COE Image Proj							0
New Campus Parking Structures							2,621,664
Energy Resource Center Phase I							7,569,771
Energy Resource Center Phase II							1,463,324
Health & Human Services							1,681,170
Southwest Michigan Regional Ctr							2,070,287
SMRC Fee							428,180
Grand Rapids Bldg Renovation							2,018,456
Indoor Practice Facility							11,024,508
Indoor Practice Facility Sitework							0
IPF-Oakland Gym Asbestos Abatement							0
IPF-Brinks Asbestos Abatement							0
ROTC Relocation to AT Bldg							0
Brinks Printing Services Reloc							0
AT Bldg Classroom Upgrade ROTC							0
Athletic Soccer Complex							0
Arboretum Property							1,527,175
Arboretum-Student Apts Phase I							10,289,840
Arboretum-Student Apts Phase II							9,760,249
2002 Summer Parking Projects							1,511,400
Parking Lot at COE							148,736
West District Develop Sitework							781,991
Howard/ W Mich City Proj							341,041
Subtotal 2000 new money	0	0	0	0	0	0	65,817,271
Utilities							5,581,363
HVAC							3,720,659
Subtotal 1996 Nat City Loan	0	0	0	0	0	0	9,302,023
Subtotal 2000 bonds	0	0	0	0	0	0	75,119,294

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BTR Design/Prof Fees							18,161,129
Engineering College							0
COE Surcharge Fee							0
COE Sitework							0
COE Substation							0
Tcomm Fiber Optics							0
COE Signage & Icon							0
COE Relocation							0
New Campus Parking Structures							10,027,475
Health & Human Services							1,242,383
Health & Human Services Sitework							0
Indoor Practice Facility							11,656,067
IPF Stadium Complex Generator							0
Waldo Stadium Turf							0
Fetzer Energy Mgmt							953,890
Dalton Energy Mgmt							0
Brown/Sprau Energy Mgmt							0
Various Energy Mgmt							0
SRC Energy Mgmt							0
Admin Bldg DDC Controls							0
Arboretum Community Center							1,098,137
Arboretum Intersection							2,768,607
Arboretum Entr Landscaping Proj-cancelled							0
West District Road Proj							428,087
Valley Drive Parking							195,432
Subtotal 2002A bonds	0	0	0	0	0	0	46,531,206
Subtotal 2015 refunding of 2008 bonds	0	0	0	0	0	0	121,650,500
2015 New Money							
Heritage Hall	283,125	282,125	285,500	283,250	285,375	281,875	8,203,000
Goldsworth Valley Dining	1,289,250	1,289,000	1,286,250	1,285,875	1,287,625	1,286,375	37,337,875
Subtotal 2015 new money	1,572,375	1,571,125	1,571,750	1,569,125	1,573,000	1,568,250	45,540,875
Total 2015 Bonds	1,572,375	1,571,125	1,571,750	1,569,125	1,573,000	1,568,250	167,191,375
TOTAL PAYMENT TO TRUSTEES	9,553,925	6,130,514	6,130,493	6,125,654	1,573,000	1,568,250	566,005,535