

MSU IT & Telecom Infrastructure Replacement Plan: FY 08-09 Short Term Loan Program		
FY 08		Projected Loan Subtotals
Banner Equipment - Multi-Campus		\$ 875,000
	Banner SAN	
	3 - HP RX6600 Servers	
	Internet Native Forms Repl	
Banner Initiatives - Multi-Campus		\$ 1,200,000
	Oracle Site License	
	Disaster Recovery - Equipment	
	Disaster Recovery - software licenses	
Wiring - MSU Bozeman		\$ 443,000
	Remove CAT3 wiring misc buildings	
	Chem Research Building	
	SUB/Renne remodel	
Network Equipment - MSU Bozeman		\$ 852,000
	Core IDF Upgrade, 9 IDFs w SUP720s	
	IDF/BDF Telecom Room upgrades	
	Building switch replacements	
Data Servers - MSU Bozeman		\$ 250,000
	Gemini Server Cluster	
	Gemstones Servers	
	TREX & New Initiatives	
Other Data Equipment - MSU Bozeman		\$ 272,000
	New generator and UPSs	
	Compq DLT Mini Library - Jewels	
New Initiatives - MSU Bozeman		\$ 240,000
	Luminis/WebCT Integration, Backup srvr	
	MS SQL Server	
	Wireless Intrusion Detection	
Telecommunications - MSU Bozeman		\$0
Emergency Repair and/or Replacement - MSU Bozeman		\$200,000
	FY08 Subtotals	\$ 4,332,000
FY 09		
Banner Equipment - Multi-Campus		\$ 233,000
	Luminis Production servers	
Banner Initiatives - Multi-Campus		\$ 64,000
	Future Banner Initiatives	
Wiring - MSU Bozeman		\$ 213,000
	Building re-wiring	
Network Equipment - MSU Bozeman		\$ 133,000
	Intrusion Detection Cisco	
	Packeteer Packet Shaping	
	Cisco Switch maintenance renewal	
Data Servers - MSU Bozeman		\$ 81,000
	LDAP DS1 & DS2	
	Jade dept application server	
	Helene, Amber, Coral, Sw, Windrivers servers	
Other Data Equipment - MSU Bozeman		\$ 353,000
	New air conditioner, growth/redundancy	
	Data backup system	
	Powerware UPS S3 Rack Mount	
New Initiatives - MSU Bozeman		\$ 48,000
	Future New Initiatives	
Telecommunications - MSU Bozeman		\$ 138,000
	Back up air conditioning	
	Battery Charger/Rectifiers (AC to DC)	
	Automated Attendant System	
Emergency Repair and/or Replacement - MSU Bozeman		\$200,000
Contingency Expenses		\$500,000

Montana State University IT Infrastructure Replacement Program - MSU-Bozeman												
	FY 08-09											
	FY 06	FY 07	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17
REVENUES	Actual	Actual	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected
MSU Sister Campus Contributions (Portal, Banner, Oracle)												
MSU-Billings	110,866	110,383	150,454	163,212	171,386	188,277	194,318	210,474	208,585	187,262	193,666	212,222
MSU-Northern	43,144	42,320	58,980	63,706	66,563	73,122	75,468	81,743	81,010	72,728	75,215	82,422
MSU-Great Falls	18,950	19,342	31,226	34,009	35,953	39,497	40,764	44,153	43,757	39,284	40,627	44,520
Sub-Total (see comment for FY05)	172,960	172,044	240,660	260,927	273,902	300,896	310,550	336,371	333,351	299,275	309,509	339,164
MSU Bozeman ITC Revenue Contributions												
Switch Port Activations	\$33,820	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Interest Income - 1% of prior FY Fund Balance	14,186	50,159	14,228	18,475	19,415	20,080	20,104	19,847	19,808	19,940	21,570	23,742
Land Grant OLP	330,000											
Tel R&R Contribution Seed												
Tel R&R Telephone Structured Wiring	55,883	55,883	55,883	55,883	55,883	55,883	55,883	55,883	55,883	55,883	55,883	55,883
Data Capital Actual fund balance-include Inventory												
Oracle Upgrade Financing (prior to Student IT Fee)	82,727											
Microsoft Litigation Settlement-see New Init-LANdesk												
Provost/ITC Funding for Web CT-Luminis Integration	50,000	50,000										
ITC Compensated Balance + Other Transfers	361,711	170,000										
MSU Bozeman Institutional Contributions												
Contribution Commitment - OLP General Operations		69,863	71,085	72,329	73,595	74,883	76,193	77,527	78,883	80,264	81,669	83,098
Contribution Commitment - AES		26,884	27,354	27,833	28,320	28,816	29,320	29,833	30,355	30,887	31,427	31,977
Contribution Commitment - Extension Service		21,024	21,392	21,766	22,147	22,535	22,929	23,330	23,739	24,154	24,577	25,007
Contribution Commitment - Fire Services Training School		917	933	949	966	983	1,000	1,018	1,035	1,054	1,072	1,091
Contribution Commitment - Current Restricted		32,701	33,273	33,856	34,448	35,051	35,664	36,288	36,923	37,570	38,227	38,896
Contribution Commitment - Auxiliaries		50,685	51,572	52,474	53,393	54,327	55,278	56,245	57,230	58,231	59,250	60,287
MSU Bozeman Student Contributions												
Student IT Fee Income		906,532	922,396	938,538	971,387	1,005,386	1,040,574	1,076,994	1,114,689	1,153,703	1,194,083	1,235,876
TOTAL REVENUES - IT Cap Plan Fund 478265 only	\$1,101,286	\$1,606,692	\$1,438,777	\$1,483,032	\$1,533,457	\$1,598,839	\$1,647,496	\$1,713,337	\$1,751,897	\$1,760,960	\$1,817,265	\$1,895,020
MSU Bozeman ITC Contribution from Operations												
ITC-Bzn SW Costs from General Operating Fund 401115	337,463	355,490	590,454	607,975	637,853	669,277	702,333	737,107	773,696	812,197	852,717	895,367
Student Fee Per Semester		35.00	35.61	36.24	36.87	37.52	38.17	38.84	39.52	40.21	40.91	41.63
Percentage Increase			1.75%	1.75%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%
EXPENDITURES												
Multi-Campus Shared Expenditures												
Banner Equip & Banner Initiatives, no renewal	\$275,760	\$280,445	\$388,933	\$489,517	\$576,792	\$665,074	\$674,829	\$754,560	\$704,580	\$514,964	\$519,826	\$608,688
Banner/Oracle Software Licensing & Renewals	337,463	355,490	590,454	607,975	637,853	669,277	702,333	737,107	773,696	812,197	852,717	895,367
Total Multi-Campus Shared Expenditures w/ SW/Renewals	613,223	635,934	979,387	1,097,492	1,214,645	1,334,351	1,377,162	1,491,667	1,478,276	1,327,161	1,372,543	1,504,055
MSU Bozeman Only Capital Expenditures												
Past Oracle Upgrade Financing	82,727											
MSU Bozeman Infrastructure												
Wiring Debt Retirement + Cash Outlay	174,329	177,131	246,315	271,094	295,415	240,876	266,876	292,841	318,058	315,917	321,238	336,580
Network Equipment Debt Retirement + Cash Outlay	365,283	161,765	105,935	236,102	242,774	271,390	276,899	316,426	322,807	327,131	312,829	319,145
Data Servers Debt Retirement + Cash Outlay	81,524	97,057	91,409	135,749	126,431	182,624	195,864	204,080	209,800	214,974	212,904	180,288
Other Data Equipment Debt Retirement + Cash Outl	3,720	16,605	13,542	52,789	100,791	101,757	113,628	93,483	126,189	166,415	162,793	163,255
MSU Bozeman Future Initiatives												
New Initiatives Debt Retirement + Cash Outlay	240,754	174,533	168,003	203,772	124,728	134,712	145,118	55,850	57,224	58,632	70,454	82,568
Subtotal MSU Bozeman Only Expenditures	948,337	627,092	625,204	899,507	890,139	931,360	998,384	962,680	1,034,078	1,083,070	1,080,218	1,081,836
MSU Bozeman Share of Multi-Campus Expenses	\$462,002	\$483,692	\$758,535	\$850,008	\$940,743	\$1,033,455	\$1,066,612	\$1,155,296	\$1,144,925	\$1,027,887	\$1,063,035	\$1,164,890
Total MSU Bozeman All Expenditures	1,410,340	1,110,784	1,383,739	1,749,515	1,830,882	1,964,815	2,064,996	2,117,976	2,179,003	2,110,956	2,143,253	2,246,727
TOTAL CAPITAL PLAN EXPENDITURES w/o SW/Renewals	\$1,224,098	\$907,537	\$1,014,136	\$1,389,025	\$1,466,932	\$1,596,434	\$1,673,213	\$1,717,240	\$1,738,658	\$1,598,034	\$1,600,044	\$1,690,524
(Multi-Campus Banner Equip & Inits + MSU Bozeman Only)												
ADJUSTED PROJECTED FUND BALANCE (not incl Inv, AR) w/o Renewals												
(Prior FY Balance + Total Revenues - Total Expenditures w/o Renewal)	\$723,660	\$1,422,832	\$1,847,473	\$1,941,480	\$2,008,005	\$2,010,411	\$1,984,693	\$1,980,790	\$1,994,029	\$2,156,955	\$2,374,176	\$2,578,672

Montana State University Telecommunications Replacement Program - MSU-Bozeman												
	FY 08-09											
	FY 06	FY 07	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17
	Actual	Actual	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected
REVENUES												
Interest Income - 2.5%	8,443	9,729	5,945	6,342	7,501	7,269	7,361	6,556	6,086	4,810	4,239	3,154
Telephone Line Life Cycle Transfer fr 435023	123,029	123,648	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000
Transfers in from ITC & Other												
Total Revenues	131,472	133,376	125,945	126,342	127,501	127,269	127,361	126,556	126,086	124,810	124,239	123,154
EXPENDITURES												
Air Conditioning												
Back Up Air Conditioning				18,000								
PBX Upgrades												
PBX Core Processor Upgrades		71,719						60,000				
PBX Software Upgrades	23,820		25,000		25,000		25,000		25,000		25,000	
PBX Software Port Capacity Expansion (RTU)			3,200	1,639	1,680	1,721	1,763	1,807	1,851	1,897	1,943	1,991
PBX Line Cards (Used for Port Cap Expansion)			5,000		5,123		5,249		5,378		5,510	
PBX Succession Media Card Voice Gateway			4,500					5,081				
PBX Succession Signaling Server			4,500					5,081				
Digital telephone set conversion												
Battery Chargers-Rectifiers				70,000								
Battery Backup System - 48 VDC string					15,000							
Power Inverter 48 VDC to 120 VAC					2,500							
Halon Fire Suppression system												
Voice Messaging System					200,000							
Recorded Announcers		21,100										
Automated Attendent System				50,000								
Cable Infrastructure Upgrades	21,546											
IT Data Equipment												
Future Initiatives						50,000			50,000			50,000
Miscellaneous Expense		315										
Transfer to IT Data Capital Plan	55,883	55,883	55,883	55,883	55,883	55,883	55,883	55,883	55,883	55,883	55,883	55,883
Total Expenditures	101,249	149,017	98,083	195,522	305,186	107,604	87,895	127,853	138,112	57,780	88,337	107,874
FUND BALANCE												
(Prior Yr Bal + Rev - Exp + Proc - Payments)												
Loan Proceeds		93,847	0	138,000	215,000	50,000	0	60,000	50,000	0	0	50,000
Loan Payments		40,052	11,991	22,451	46,605	65,990	71,681	77,505	89,020	89,858	79,314	79,314
Ending Fund Balance	199,665	237,819	253,691	300,060	290,771	294,446	262,230	243,428	192,382	169,554	126,142	112,107