Building/Campus/A	II As	sessed	l Faci	lities Com	pariso	n Report	:						
Montcalm Community	Colle	ge											
						Priority Issues	Data			0-5 Year Cumu	lative Data		
	Year	Building	Pct. of		Percent of		Percent of				Percent of		
Facility	Built	Area (S.F.)	Total S.F.	CRV	Total CRV	DMB	Total DMB	FCI	Rating	DMB	Total DMB	FCI	Rating
All assessed facilities		256,869		\$72,546,560		\$844,635		1.48%	GOOD	\$3,242,072		4.47%	GOOD
Greenville		40,980	16.0%	\$11,443,300	15.8%	\$0	0.0%	0.0%	GOOD	\$354,463	10.9%	3.10%	GOOD
Ash Technology and Learning Center	2001	19,495	7.6%	\$6,010,300	8.3%	\$0	0.0%	0.0%	GOOD	\$271,065	8.4%	4.51%	GOOD
Braman Center	2012	16,585	6.5%	\$5,212,400	7.2%	\$0	0.0%	1.5%	GOOD	\$83,398	2.6%	1.60%	GOOD
Greenville Pole Barn	1970	4,900	1.9%	\$220,600	0.3%	\$0	0.0%	0.0%	GOOD	\$0	0.0%	0.00%	GOOD
Main		215,889	84.0%	\$61,103,260	84.2%	\$844,635	100.0%	0.5%	GOOD	\$2,887,609	89.1%	4.73%	GOOD
Activities	1975	36,190	14.1%	\$10,870,200	15.0%	\$378,283	44.8%	3.48%	GOOD	\$584,817	18.0%	5.38%	GOOD
Barn Theater	1917	3,932	1.5%	\$947,600	1.3%	\$63,015	7.5%	6.65%	FAIR	\$123,928	3.8%	13.08%	POOR
Cold Storage	1967	3,880	1.5%	\$171,360	0.2%	\$0	0.0%	0.00%	GOOD	\$5,088	0.2%	2.97%	GOOD
Doser Building	1999	38,013	14.8%	\$11,342,200	15.6%	\$238,186	28.2%	2.10%	GOOD	\$533,083	16.4%	4.70%	GOOD
Farmhouse	1916	2,550	1.0%	\$511,200	0.7%	\$0	0.0%	0.00%	GOOD	\$32,972	1.0%	6.45%	FAIR
Kenneth J. Smith Instructional Buildin	1966	27,200	10.6%	\$9,266,500	12.8%	\$0	0.0%	0.00%	GOOD	\$0	0.0%	0.00%	GOOD
Instruction North	1968	21,780	8.5%	\$4,314,000	5.9%	\$43,140	5.1%	1.00%	GOOD	\$422,772	13.0%	9.80%	FAIR
Les Morford Instructional Building	1969	11,184	4.4%	\$3,350,400	4.6%	\$8,376	1.0%	0.25%	GOOD	\$303,211	9.4%	9.05%	FAIR
Donald C. Burns Library and Admin.	1966	28,720	11.2%	\$8,599,800	11.9%	\$107,498	12.7%	1.25%	GOOD	\$395,591	12.2%	4.60%	GOOD
Pole Barn	1998	1,800	0.7%	\$169,600	0.2%	\$0	0.0%	0.00%	GOOD	\$0	0.0%	0.00%	GOOD
Power Plant	1966	3,840	1.5%	\$2,454,800	3.4%	\$6,137	0.7%	0.25%	GOOD	\$228,296	7.0%	9.30%	FAIR
Ash Building	2007	28,800	11.2%	\$8,658,400	11.9%	\$0	0.0%	0.00%	GOOD	\$240,410	7.4%	2.78%	GOOD
Maintenance Building	2007	8,000	3.1%	\$447,200	0.6%	\$0	0.0%	0.00%	GOOD	\$17,441	0.5%	3.90%	GOOD
	-												
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## **Deferred Maintenance Report - All assessed facilities Montcalm Community College**

## **Facility Stats**

Number of Buildings	16
Oldest Building	1916
Newest Building	2012
Avg. Year Built	1975
Avg. Cost per S.F.	\$281

## **Facilities Condition Index - All assessed facilities**

_	Priority Iss	ues Data	_	_		0-5 Year Cu	ımulative	Data		
254,801	\$71,573,040	\$970,864	\$0	1.48%	GOOD	\$3,593,585	\$14,933	5.02%	\$1,431,461	FAIR
TOTAL S.F.	CRV	DMB	<b>EXCESS</b>	FCI	RATING	DMB	EXCESS	FCI	S/YR MAINTAIN	RATING



Notes:

Data from previous assessments is included for reference purposes. Current assessment notes indicate if past issues have been addressed.

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Communic Main	-H-H			Usa Turas	_	Notes:		5 40 4 05					
Campus: Main	-H-H			Use Types		Notes:	original building - 3		(-1.000 CF)				
Bldg. No: 01	-		+	35 % Athleti	IC .		2007 - Bookstore	enovation/addition	(+1,000 SF)			-	
Building: Activities Area: 36.190sf	V. D.	ilt: 1975	Посто 1								1	<b>-</b>	-
Area: 36,19081	I Tr Bui	III. 1975	FIOORS: 1	30 % Natato	rium								
	C	CRV of System	Pct. of s	ystem value to bu	udget for repair/re	placement:							
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Compo	nent Notes					
Structure	15	\$1,630,530	0	0	5	95	No reported p	roblems					
			\$0	\$0	\$81,527		<u> </u>						
							2007-2015 as	sessment:No	changes repo	rted			
							2016 Assess	ment: No char	nges reported.	No reported	problems.		
							2018 Assess	ment: Severe	corrosion of s	teel ladder in	n pool water t	reatment rooi	n.
								sion of reinfor					
							2019 Assess	ment: Continu	ed Severe co	rosion of ste	el ladder in		
								eatment room.					
							ľ						
							2021 Assess	ment: Structu	ıral concrete r	epair comple	ted in pool ed	quipment roor	n,
			1					ship's ladder.					ĺ
							2022 Assess	ment: No cha	nges or proble	ems reported	<u>.</u>  .		
										i i			
Roof	5	\$543,510	0	0	80	20	2004- Trocal	PVC roof repla	aced with EPD	M (\$105,000	)		
		,	\$0	\$0	\$434,808					, , , , , , , , , , , , , , , , , , ,	ĺ		
							2007 assess	ment: No repo	rted problems				
							2009 assess	ment:					
							Roof membra	ne detached a	nt perimeter du	ue to moistur	e problems in	wall	
							system, temp	orarily repaire	d. Permanen	t repair sche	duled and fur	ided.	
							2010 assess	ment: Pool ro	of replaced wi	th white EPD	M membrane	roof	
							2011-2015 as	sessment:No	changes. Ro	of inspected	annually, no	reported prol	olems.
							2016 Assess	ment: No char	nges reported	. No reported	problems.		
							Projected rep	lacement from	roof report: 2	2024			
							2018 Assess	ment: No cha	nges reported	I. Roof secti	ons 2, 5, and	l 6 scheduled	
							for roof repla	cement in 203	0. Section 1	to be replace	ed in 2035.		
							Roof compris	ed of single-pl	y membrane,	with insulation	on on metal d	eck, steel jois	sts
							2019 Assess	ment: No ch	anges reporte	d. No reporte	ed problems.		
							2021 Assess	ment: No cha	nges reported	I. No reported	d problems.		

			Projected roo	f replacement	in 2026.			
			2022 Assessi	ment: No rep	orted changes	s or problems	•	

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	_			ļ <u> </u>	1	₩		l		<b></b>	1	1	
Campus: Main				Use Types	:	Notes:		·		<u> </u>			
Bldg. No: 01				35 % Athlet			2007 - Bookstore re	enovation/addition	(+1,000 SF)	<u> </u>			
Building: Activities				35 % Stude	nt Union	Ш				ĮĮ			
Area: 36,190sf	Yr Bu	ilt: 1975	Floors: 1	30 % Natato	rium								
		CRV of System	Pct. of s	ystem value to b	udget for repair/re	placement:							
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Compo	nent Notes					
Glazing	3	\$326,106	0	0	20	90	Original glazir	na Skyliaht r	esealed				
Giazing	— i	ψ020,100	\$0		\$65,221		Original glazii	ig. Okyligiti i		tt – – – –	+		
			φυ	φυ	φ00,221	Ψ233,430	2002-new dbl.	nano alazino	in kitchon	Ħ	†		
						H	2002-New ubi.	parie giazing	III KILCHEH	H	+		
						₩	2007-2014 As	accament: N	roported pr	II	angos roport	od .	
						₩	2007-2014 AS	Sessment. No	Teported pro	II	I riges report	eu.	
						₩	2015 - No cha	ngos roporto	d Pasamma	nd roviouing	appdition of a	andente en	
								liges reporte	u. Recomme	II reviewing	T		
-			<del>                                     </del>		1	<del>                                     </del>	original units.	<del>                                     </del>		H	+	1	+
	-    -					₩	2040 2040 A		<u> </u>		+	+	
						<b>H</b>	2016, 2018 A	ssessment: N	io cnanges re	eportea.	<del> </del>	-	
									<u> </u>	<u>II</u>	<u> </u>	1	
							2019 Assessr	ment: Sever	al windows re	placed at the	pool. No oth	ner problems	reported.
						Щ							
							2021-2022 As	sessment: N	lo changes re	eported. No re	ported proble	ems.	
						Щ							
Cladding	7	\$760,914	0	0	10		2001-Recently	y replaced mo	ortar, caulk, c	ontrol joints.			
			\$0	\$0	\$76,091	\$684,823							
						Щ	2001-Recently	y waterproofe	d to countera	ct effloresce	nce, although	problem	
							expected to re	eturn due to h	nigh humidity	and salinity of	of air in buildir	ng.	
							2003-Replace	ment of pool	humidity cont	trol system a	pears to hav	e solved	
						III	problem with r	masonry					
						M .				ll .			
							2007 assessr	nent: No repo	rted problems	S			
						111							
						iii	2009 assessr	ment:		ii –			
	11 1						Moisture barri		a exterior wa	lls not perforr	ning properly	allowing	
	11 1					#	moisture into						
	+		1			<del>   </del>		I Stractare					1
	+					<del>   </del>	2010 assessr	ment:		1			1
	+		1				Moisture barri		lved as nart /	of roof replace	ement \M/sII/	roof transition	n insulated
	+						WOISTUIE DAIII	C: 133UE 1ESU	ivou as pail (	l 1001 Teplaci	CITICITE. VVdII/	iooi tialisitioi	i iiisuiateu.
			<del>                                     </del>			╫	2011 2016:	nocoment: N	lo oboress	II No roperted :-	robloms	1	+
			<del>                                     </del>			╫	2011-2016: as	ssessment: N	o changes.	тио герогсей р	iobienis.		+
	+					₩	0040 0040 0	204 0000 1		1	1	<u> </u>	<u> </u>
	+						2018-2019, 20	J21-2022 Ass	sessment: No	changes rep	orted. No rep	orted probler	ms.
						Ш						<u> </u>	

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Campus: Main				Use Types	:	Notes:	original building - 35,194 S	SF					
Bldg. No: 01				35 % Athleti	ic		2007 - Bookstore renovation	ion/addition (+	-1,000 SF)				
Building: Activities				35 % Studer	nt Union								
Area: 36,190sf	Yr Bu	ilt: 1975	Floors: 1	30 % Natator	rium								
	C	CRV of System	Pet of s	vstem value to hi	idget for repair/re	nlacement:							
-	-11		1	·									
System	%	S	Immediate	1-5 Years	6-10 Years		System/Component N	NOTES					
HVAC	24	\$2,608,848	13	0	10	77	2000-Independent I	HVAC sys	tem - origina	I. 2 new roc	ftop units.		
			\$339.150	\$0	\$260,885		HVAC system unab						
			, , , , , , , , , , , , , , , , , , , ,										
						iii	2002-pool energy/h	numidity m	amt. svstem	budgeted fo	r replacemen	t	
								11	· ·	I	'		
	11 1		i i			iii iii	2003-pool energy/h	numidity m	amt. system	replaced.			
	1 1		i i						J 1,110	.,			
	11 1						2005-2 coils replace	ed haland	ce of system	n generally o	riginal		
	1 1					iii	I I	Jour, Building	Jo or cyclor	gonorany o	1		
						iii –	2007 assessment:						
						<del>   </del>	Fitness center RTU		with newer co	omnressor	Coil leaks an	d loses chard	Δ
	+			+			System at end of li	<u> </u>			Con leaks an		<u>.                                    </u>
	+			+			Perimeter fin tube h				d problems		
	+			-			Repairs and mainte						
	-						Repairs and mainte	enance kee	eping aging s		ating.		
				1			2009 Assessment:	- #					
	-11						2008-Fitness cente		laced (\$14.0	00)			
									· · · · ·	00)			
							Dehumidification un	niit piping t	apgraded		1		
						<del>   </del>	2040 A				1		
							2010 Assessment:				<u> </u>	14.1.11	
	-			-			Minor HVAC work p					Majority of	
				1			building equipment				nt.		
			1	1	<del>                                     </del>	₩	Gas meter systems	s replaced	by Consum	ers ⊨nergy. I			
				<del>                                     </del>		<del>                                     </del>		<u> </u>				<u> </u>	
				<del>                                     </del>			2011 assessment:	No change	es reported.	∟quipment	Still due for r	epiacement.	
	$\parallel$						00.10	∦-					
	$\parallel$						2012 assessment:			<u> </u>			
	$\parallel$						System controls (a				•	of new energy	
	$\parallel$						management syste	em. HVAC	equipment s	still due for re	eplacement.		
				ļ								ļ	
							2013 assessment:					<u> </u>	
	$\perp$						2 RTUs over north	half of bui	ilding past er	nd of life and	due for repla	acement.	
							2014 assessment:						
							(2) RTUs budgeted	I for replac	ement in 201	15. Expecte	d cost of at I	east \$75,000	

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						N. t.							
Campus: Main	<del>-    -   </del>			Use Types:			original building - 3						
Bldg. No: 01				35 % Athleti	С		2007 - Bookstore r	enovation/addition	(+1,000 SF)				
Building: Activities				35 % Studer	nt Union								
Area: 36,190sf	Yr Buil	lt: 1975	Floors: 1	30 % Natator	ium								
	CF	RV of System	Pct. of s	ystem value to bu	dget for repair/re	placement:							
System	%	S	Immediate	1-5 Years	6-10 Years	11+ Years	System/Compo	nent Notes					
HVAC (continued)	24	\$2,608,848	0	0	•	0	2015 assessi	ment:					
			\$0	\$0			(2) new RTUs	with DDC cor	ntrols installed	l to serve nor	th lower leve	l cooling.	
							Installed cost	:: \$90,000+					
							2016 Assess	ment:					
							No changes r	eported. No r	eported proble	ems.			
							2018 Assess	ment: HVAC	is combination	of pool AHU	J, with remain	ing space se	rved
	11 11						by gas-fired e					<u> </u>	
	11 11						Perimeter hot		*				pumps.
	11 11						Building is ful		, ,				
	- 11 - 11						Weight trainin						
	<del>-    -   </del>						rroigin trainin	g area ie piai	постольный			1	Ì
	<del>- 11 - 11</del>						2019 Assess	ment: Renla	ced entry hea	ter in 2019	No other cha	nges or probl	ems
	<del>- 11 - 11</del>		<del> </del>	1			reported	T.Opia	l only nou	2010. 1	1.5 511151 51161	Sec of probl	
	<del>- 11 - 11</del>			1			roporteu	1		1		<b>†</b>	
	<del>-    -   </del>		<del> </del>	<del>                                     </del>			2021 Assess	ment: H\/^C	evetem to bo	replaced who	n weight train	ing area is o	vnanded
	<del>-    -   </del>		1	1			2021 A33633	IIICIII. TIVAC	ayatem to be	Teplaceu Wile	ii weigiit tiali	iiig aica is e	Apariucu.
	╫		<del>                                     </del>	<del>                                     </del>			2022 100000	mont: Modific	otiona roguira	d to convert	kitahan ta af	fices	1
			+	<del>                                     </del>	-	H	2022 Assess				kitchen to of	nces.	
	<del>-    -   </del>			<del>                                     </del>			Replace 2 roo	oftop units to	replace centra	al AC			

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					l	Notes:	<del>                                     </del>
Campus: Main	<del>-    -   </del>			Use Types		Notes:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Bldg. No: 01	<del>-    -   </del>			35 % Athleti	IC		2007 - Bookstore renovation/addition (+1,000 SF)
Building: Activities	<del>                                      </del>			35 % Studer	nt Union		<del>                                     </del>
Area: 36,190sf	Yr Buil	t: 1975	Floors: 1	30 % Natator	rium		
	CR	V of System	Pct. of s	ystem value to bu	idget for repair/re	placement:	
System	%	S	Immediate	1-5 Years	6-10 Years	11+ Years	s System/Component Notes
Plumbing/Drainage	7	\$760,914	3	0	15	82	Damaged fixtures replaced, hardware replaced, toilet partitions replaced.
Tidribnig, Brainage	<del>                                     </del>	ψ100,011	\$22,827		\$114,137		<del></del>
			ΨΕΕ, ΘΕ Ι	ΨΟ	ψ111,101	φο <u>Σ</u> ο,ο το	2003-pool pH system replaced (from acid to CO-2)
	<del>-    -   </del>						2000 poor pri system replaced (nom acid to GO 2)
	<del>-    -   </del>			1		H	2004-due for replacement: pool equip room plumbing, pool heat exchanger due
							for replacement (\$15-20,000)
	<del>-    -   </del>			1			To replacement (\$15-20,000)
	<del>-    -   -</del>			1			0005
	<del>-    -   </del>						2005-pool equipment room plumbing and heat exchanger replaced
							<del>                                     </del>
							2007 assessment: No reported problems.
							2009 Assessment:No changes reported.
							2010 assessment:
							Piping in pool equipment room repaired to improve efficiency (\$120,000)
							Pool circulation pump drive replaced with variable frequency drive unit.
							2011 assessment:
							Majority of pool equipment room piping still original (except for repaired
							sections), still due for replacement.
	11 11						
							2012 assessment: No changes reported
	<del>-    -   </del>			1			2013 assessment:
	<del>       </del>		<del>                                     </del>	1			New filter, circulation pump, controls, valves installed, relocated out of
	<del>-    -   </del>			1		H	basement Deteriorated piping replaced. (approx. \$130,000)
	<del>       </del>		<del>                                     </del>	1	<del>                                     </del>		Dasement Deteriorated piping replaced. (approx. \$150,000)
	<del>       </del>		<del>                                     </del>	1	<del>                                     </del>		2014 concernant: No reported problems
	<del>       </del>		<del>                                     </del>	1	<del>                                     </del>		2014 assessment: No reported problems.
	<del>-    -   </del>		<del> </del>	<b> </b>			Hours H.
							2015 assessment:
			<b> </b>				Pool supply and drain piping leaks have washed out sand under pool deck,
			<b> </b>				caused floor damage. Piping and collateral floor damage repaired in 2015.
			<b> </b>		ļl		<del>                                     </del>
							2016, 2018 Assessment: No changes reported. No reported problems.
							2019 Assessment: Pool medium was replaced. No reported problems.
							2021 Assessment: No changes reported. No reported problems.
	11 11						

			2022 Assessment: Modifications required to convert kitchen to offices.	

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	-			<u>                                     </u>			<u> </u>						
Campus: Main	-			Use Types		Notes:	original building - 35,1						
Bldg. No: 01				35 % Athleti		#	2007 - Bookstore rend	ovation/addition	(+1,000 SF)				
Building: Activities	V- D-	:14. 4075		35 % Stude		#	+						
Area: 36,190sf	Yr Bu	ilt: 1975	Floors: 1	30 % Natator	rium	Ш							
		CRV of System	Pct. of s	ystem value to bu	idget for repair/re	placement:							
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Componer	nt Notes					
Primary/Secondary	10	\$1,087,020	0	0	20	80	Primary - good o	condition					
		<b>V</b> 1,001,000	\$0		\$217,404		Secondary - god						
					, , ,		i i						
						111	2007 assessme	ent:					
						111	No reported prol	blems					
							2009 Assessme	ent:No chanç	ges reported.				
							2010 assessme	ent:					
							Campus primary	service up	graded by Co	nsumers Ene	rgy to provid	e additional c	apacity
							2011 - 2015 Ass	sessment: N	No changes re	eported.			
							2016 Assessme	ent: No chan	iges reported.	. No reported	problems.		
						Ш							
							2018 Assessme						
							Main gear and n						
							switches for over					vailable, but	still
						Щ	maintainable. N						
							Emergency pane	el tapped ah	nead of the m	ain switch is	no longer co	de-compliant.	
	-												
	-						2019 Assessme	ent: Federa	l panels repla	aced with Squ	are D panels		
	-												
	_						2021-2022 Ass	essment: N	lo changes re	ported. No re	eported proble	ems.	
	_					<b>  </b>							
Distribution	5	\$543,510	H		10		Some corroded						
			\$16,305	\$16,305	\$54,351	\$456,548	Majority of elect			ear is Federal	Pacific. Pai	nels are	
	-					Ш	obsolete and pa	arts are diffic	cult to find.				
	-		<del>                                     </del>			<del>                                     </del>	0007.0044		<u>                                       </u>	<u> </u>	1	1	
	$-\parallel$		<del>                                     </del>			<del>                                     </del>	2007-2014 asse	essment:No	changes repo	orted.			
			<del>   </del>			#	0045.4			01	<u> </u>	<u> </u>	-
			<del>   </del>			#	2015 Assessme					be budgeted	-
			<del>   </del>				for replacement.	. College es	staimates app	proximately \$	50,000		-
	+		<del>                                     </del>	}			2040 A	t. NIl					
	$-\parallel$		<del>   </del>				2016 Assessme	ent: No chan	iges reported.				<b> </b>
			<del>                                     </del>			₩	2010 Ac	nt. M	ranah : "		lard Deeff		
	+		<del>                                     </del>	}			2018 Assessme						
		1	<del>                                     </del>				It is common for MCC is in the pr						
		<del> </del>	<del>                                     </del>	1		<del>                                     </del>	IVICC IS IN THE PR	ocess of re	piacing. Rec		elerate the re	piacement pr	ocess.

			2019 Assessment: Replaced 90% of Federal panels with Square D panels.							
			Partial lighting replacement with LED fixtures.							
			2021 Assessment: No changes reported. No reported problems.							
			2022 Assessment: Modifications required to convert kitchen to offices.							

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	+			<del>                                     </del>									
Campus: Main	+			Use Types		Notes:	Ü						
Bldg. No: 01				35 % Athleti	IC		2007 - Bookstore re	enovation/addition	(+1,000 SF)				
Building: Activities		11. 4075		35 % Stude									
Area: 36,190sf	Yr Bu	ilt: 1975	Floors: 1	30 % Natator	rium								
	C	CRV of System	Pct. of s	ystem value to bu	idget for repair/re	placement:							
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Compo	nent Notes					
Lighting	5	\$543,510	0	0	5	95	Fixtures typic	ally original -	in good condi	ition			
			\$0	\$0	\$27,176		Locker room li						
							HID fixtures in				ult to maintai	n	
							2007 assessn	nent: New ligh	nting in books	tore area, no	other chang	es	
						iii – i	2009 Assessr	nent:No chan	ges reported.				
						iii – i			Ĭ	ii —			
							2010 assessn	nent:		Ì			
	<del>     </del>			1		iii	Gym lighting r		high bav T8 f	luorescent fix	ktures (\$10.0	00).	
						iii i	Pool lighting s				(, ,,	T	
	11 1						l corngramy		1				
	11 11					iii	2011 assessn	nent:		İ			
	11 1			1		iii	Pool lighting re		high hay T8 fl	luorescent fix	tures (\$10.00	20)	
							r oor lighting it	Cpiacca with	liigii bay 10 ii	II	(ταιου (φτο,οι	T	
	-11 -11		1				2012 assessn	nent:		H		1	
						lli l	Lighting upgra		of ECM contra	nct .		1	
							Lighting apgro	laca as part c	I LOW COME	II		1	
							2013-2015 As	sessment: No	changes rer	norted		1	
							2010 2010 713	SCSSITICITE: TW	onanges rep	II		1	
							2016 Assessr	ment: No char	nges reported	No reported	1 problems	1	
							2010 A336331	Herit. No crial	iges reported	II	problems.	1	
			+	1			2018 Assessr	ment: No ren	orted problem	II .		+	
							Fluorescent lig				CC has renlar	ed corridor	and
							Cyber Café lig				CO has replac		and
	-11 -11					lli l	Cyber Care iig	Inting with ha		II			
	-11 -11						2019 Assessr	nont: No ron	orted problem	<u> </u>			
			+	1			2019 ASSESSI	пепт. по гер	Tea problem	is. II		+	
							2021 Assess	nanti liaht fi	vturas abana	od to LED in		1	
	<del>     </del>			1			2021 Assessr	nent: Light fi	xtures chang	Eu IO LED IN	gyill.		
	╢┈╢		<del>                                     </del>	1		<del>                                     </del>	2022 Asses	nonti liekti-	arl. aar!	II	l an area M-	othor observ	
	╢		<del>                                     </del>	1			2022 Assessr		y work comple	etea in comm <b>II</b>	ion area. No	other change	28
				1			or problems re	еропед		H			
V : /D /	$\parallel \parallel$	0017 151			_		<b>.</b>	9.0		<u>  </u>	1		
Voice/Data	2	\$217,404	0		5	111	Not much in b	uiiaing - inst	alled around 2	∠∪∪U. No rep II	orted problen	ns T	+
	-		\$0	\$0	\$10,870	\$206,534	0007.0040		<u> </u>	<u>II </u>	1		
	$\parallel \parallel$						2007-2010 as:	sessment:No	changes repo	orted.	<u> </u>	<u> </u>	
			<del>                                     </del>						<u> </u>	<u>II</u>			1
			<del>                                     </del>				2011-2016 As	sessment: No	changes rep	oorted.			1
			<del>                                     </del>				1			<u> </u>	1	<u> </u>	1
						Ш	2018-2019, 20	)21-2022 Ass	sessment: No	changes rep	orted. No rep	orted proble	ms.

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								1
								1
-						1		
								1

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				<del>   </del>									
Campus: Main				Use Types		Notes:	Ü	•					
Bldg. No: 01	-			35 % Athlet	ic	Ш	2007 - Bookstore re	enovation/addition	(+1,000 SF)				
Building: Activities	1, 1			35 % Stude									
Area: 36,190sf	Yr Bui	ilt: 1975	Floors: 1										
	C	RV of System	Pct. of s	ystem value to bu	udget for repair/re	placement:							
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Compo	nent Notes					
Ceilings	3	\$326,106	0	2	10	88	Sagging ceilin	as replaced i	n corridors an	nd bookstore.	Condition w	ill return if	
		,	\$0	\$6,522	\$32,611	**	humidity probl						
			1										
			1				2003 - humidit	ty problems re	esolved				
			1										
			1			m	2007-2010 as	sessment:No	changes repo	orted.			
			ii i			m							
			ii i			m	2011-2015 As	sessment: No	o changes rec	orted.			
										I			
						iii i	2016 Assessr	ment: No chai	naes reported	. No reported	problems.		
						iii i							
						iii i	2018 Assessr	ment. No repo	orted problems	·			
	-11 - 11		<del>                                     </del>			iii i	Corridor ceilin						
	-		<del>                                     </del>			111	COTTIGOT COMM	g ropiacea w	I now LLB ii				
			<del>                                     </del>				2019, 2021 A	seessment.	No reported c	hanges Nou	reported prob	lems	
	-		<del>                                     </del>				2010, 202174		l reperted of	II	T	1	
			<del>                                     </del>			<del>                                     </del>	2022 Assessr	ment: Minor re	enovations to	convert kitch	en to offices		
			<del>                                     </del>			<del>                                     </del>	2022 71330331	none. Willion to	I I I I I I I I I I I I I I I I I I I	II		1	
Walls/Casework	2	\$217,404	0	2	10	88	Recently repa	inted in avm	& nool Interi	or face of ex	terior walls a	re showing	
valis/ casework		Ψ217,404	\$0	\$4,348	\$21,740		efflorescence						1. 1.
			ΨΟ	ψ+,0+0		ψ131,310	CITIOICSCCIICC	Sirillar to pre	DICHT OH CALC		I	larry iii ballali	<u>l</u>
	-		<del>                                     </del>				2003 - humidi	v probleme r	osolvod	<u> </u>			•
	-		1				2003 - Humlun	ly problems n	esoived				
	-		1			111	2004- gym du	o for renaintir	II				
			l l			111	2004- gyiii du		ig.				
	<del>     </del>		<del>                                     </del>	+ -			2005 - bleach	ore at and of	lifo duo for r	onlacoment :	2.5 vooro	Facility use	
	-		1				may not requi					racility use	
			<del> </del>				may not requi	re replaceme	nt with same i	II	achers.		
	<del>     </del>		<del>                                     </del>	+ +			2007 assessr	nont:No sha-	ann ronarta-l				
	<del>     </del>		<del>                                     </del>				ZUUI assessi	nentino chan	ges reported				
	<del>     </del>		<del>                                     </del>	1	<del>                                     </del>	₩	2009 Assessr	mont. 2000	our loures bla	horo installa	din aum mi-	oollones	<del>                                     </del>
	<del>     </del>		<del>                                     </del>	1	<del>                                     </del>					ners installe	u iii gym, mis T	Cellaneous	<del>                                     </del>
	-		<del>                                     </del>	+ -	<del>                                     </del>		painting work	uone in gym		<b>H</b>			-
	-		<del>                                     </del>	+ -	<del>                                     </del>		2040 0045 1						-
	-		<del>                                     </del>	+ -	<del>                                     </del>	₩	2010-2015 As	sessment: N	o cnanges rep	οστεα. <b>Π</b>			-
	-		<del>                                     </del>			₩	0040.4			<u>                                     </u>			
	-		<del>                                     </del>	1			2016 Assessr	ment: No chai	nges reported	. No reported	problems.		
	-		<del>                                     </del>			₩	0040 6	<u> </u>		<u> </u>			
	-		<del>                                     </del>	1			2018 Assessr		orted problem	IS.			
	-		<del>                                     </del>	1			Gym painted i	n 2018.		<b> </b>			
						Ш				Ш			

			2019, 2021 A	ssessment:	No reported p	oroblems. No	reported cha	nges.	
			2022 Assessi	ment: Minor re	enovations to	convert kitch	en to offices.		

		T			1	m i	_					1	
	<b> </b>					Ш							
Campus: Main	₩—			Use Types		Notes:	. 3 3 .						
Bldg. No: 01				35 % Athleti	c	Ш	2007 - Bookstore r	enovation/addition	(+1,000 SF)				
Building: Activities				35 % Studer	nt Union								
Area: 36,190sf	Yr Bu	ilt: 1975	Floors: 1	30 % Natator									
		CRV of System	Pct. of s	ystem value to bu	idget for repair/re	placement:							
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Compo	onent Notes					
Doors	2	\$217,404	0	0	15	85	Exterior:						
			\$0	\$0	\$32,611	\$184,793	Original hollow	w metal and al	um frame full	lite doors			
							2001-some ex	xterior doors t	o gym require	replacement			
			i i	1			2003-worn/da	maged exterio	r doors repla	ced			
			i i	1									
	<del>    </del>		i i				Interior:			l	1	1	1
	1 1							or doors, mos	tly solid core	wood			
						<b>III</b>		oors due for re		T			
	<del>                                     </del>						2003-W000 U	oors due for te	I	+			+
							2007 assessi	mont:					
				1		#			and Approvi	mataly 14 aris	rinal daara ra	mainin a	
	╫					#		or doors replac	ea. Approxii	matery 14 ong	giriai doors re	maining,	+
							due for refinis	sning.					+
									<u> </u>	<u> </u>	<u> </u>		
	╫─┤						2009 Assess	ment: 2008-g	ym storage ro	om doors rep	placed		
	╫─┤								<u> </u>				
							2010, 2011, 2	2012 Assessm	ent:No chang	ges reported.			
						Ш							
	₩—						2013 assessi						
								pment room do					
						Ш		nage to elevat					
	₩						accommodate	e oversized ed	uipment. Is l	being replace	d with a new	door.	
	Ш												
	<u>ш</u> Т			<u> </u>			2014 Assess	ment: No char	nges reported				
							2015 Assess	ment: No char	nges reported	. Assess co	ndition of fini	sh on	
								ginal doors, re					
				1									
						iii – i	2016 Assess	ment: No char	nges reported				
			i i	1									
			i i			iii ii	2018 Assess	ment: Connec	tor doors to	Doser Buildin	g replaced in	2018.	1
	<del>                                     </del>		1	<del>                                     </del>			_5.5.60000		40010 101		J . Op. 2004 III		<del> </del>
	<del>    </del>		1	<del>                                     </del>		<del>                                     </del>	2010 Assess	ment: Severa	l doore replac	ed in 2010			+
	<del>    </del>			<del>                                     </del>			ZUIS ASSESS	ment. Severa	i doors repido	JEU III ZU 19.			+ -
	╫┈┤					₩	0004 0000 1		<u> </u>				+
	╫─┤						∠021-2022 A	ssessment: N	no cnanges re	eported. No re	eported probl	ems.	<del>                                     </del>
						Ш				ll .			

	п п		1	П	11	II I	
Campus: Main	+ +			Use Types:		Notes:	original building - 35,194 SF
Bldg. No: 01	+ +			35 % Athletic		Notes.	2007 - Bookstore renovation/addition (+1,000 SF)
Building: Activities	+ + +			35 % Studen			2007 - Bookstole Tellovation (41,000 St.)
Area: 36,190sf	Vr Buil	lt: 1975		30 % Natator			
Area: 50,15051	11	16. 1373	1 10013. 1	50 % Natator	luiii		
	CF	RV of System	Pct. of s	ystem value to bu	dget for repair/rep		
System	%	S	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Floors	4	\$434,808	0	15	5	80	Rubber gym floor split but OK, All other floors in good condition
. 10010	<del>         </del>	<b>\$ 10 1,000</b>	\$0	\$65.221	\$21,740		The same of the sa
				, , , , , , ,	<i></i>		2002-locker room floors retiled
	1 1			i i	İ		
	11 11						2005-pool deck ceramic tile floor cracking near west wall, migrating toward pool.
	11 11						
							2007 assessment:
							Gym floor shrinking at edges, showing minor splitting. Due for replacement within 2 years.
							2009 Assessment: 2008-New Terraflex gym floor installed (\$90,000)
	4 4						2010-2015 Assessment: No changes reported.
	$\bot$						
			<u> </u>				2016 Assessment: No changes reported. No reported problems.
	+						
	+						2018 Assessment: No reported problems. Fitness Center floor replaced in 2017.
	-			<del>                                     </del>			Corridor flooring replaced in 2018.
	╫╫						2040 Assessment Nicoland and Nicoland and Indian
	╫			<del>                                     </del>	<del></del>		2019 Assessment: No changes reported. No reported problems.
	╫		+	<del>                                     </del>			2024 Assessment, No shanges reported No reported problems
	╫			<del>                                     </del>	#		2021 Assessment: No changes reported. No reported problems.
	╫╫			<del>                                     </del>			2022 Assessment: Minor modications to convert kitchen to offices.
	+			<del>                                     </del>		H	Upgrade the gym floor to a wood floor system.
	╫			<del>                                     </del>			popyrade the gynthoot to a wood hoot system.
							<u> </u>

	11 11	1	1		т п	ш	П			<b>III</b>	1	T	Т
	<del>                                     </del>			<del> </del>				Ш					
Campus: Main	H H			Use Types		Notes:	original building - 3				1		
Bldg. No: 01	<del>                                     </del>			35 % Athlet			2007 - Bookstore r	renovation/addition	(+1,000 SF)				
Building: Activities		40==	4	35 % Stude									
Area: 36,190sf	Yr Bui	ilt: 1975	Floors: 1	30 % Natato	rium								
	C	RV of System	Pct. of 8	system value to bi	ıdget for repair/rej	placement:							
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Compo	onent Notes					
Bldg., Fire, ADA, Elevators	3	\$326,106			10		Sinks and toi						
	# #		\$0	\$114,137	\$32,611	\$179,358	Most doors a						0
	<del>     </del>					H	adjacent wall	) Elevator hyd	raulic system	requires repa	air, on servic	e contract.	
	╫┈╫						2007 assessi	mont: No ob	200				
	<del>     </del>					H	2007 assessi	ment. No char	iges	+	+		
	<del>     </del>			1		1	2009 Assess	ment: Sunken	nit area near	cafeteria filla	ed and levele	d for ADA ac	cess/safety
	<del>     </del>					ii –	2000 7 100000		pit area ricar			T TOT TREAT GO	
	1 1						2010 assessi	ment:No chan	ges reported.				
	11 11						2011 assessi					at end of life	
	# #						and due for re	eplacement. I	Elevator recei	ves only min	imal use.		
	1 1					H .		<u>                                     </u>	J				
	<del>                                     </del>						2012 assessi	ment: No char	nges reported				
	<del>     </del>					H	2013 255055	II ment: Elevato	r controls upo	raded car re	used jack re	l Neod	<u> </u>
	<del>                                     </del>						2013 8556551	II	Controls upg	laded, car re	luseu, jack re	l suseu.	
	11 11					H	2014 2015 2	2016 Assessm	nent: No chan	ges reported			
					`	ii –							
							2018 Assess	ment: No rep	orted problem	s. Lockers r	eplaced in 20	)18.	
	11 11						2019 Assess			s.			
	# #						Elevator pisto	on replaced in	2019.				
	<del>                                     </del>					H	2224.4	<u> </u>	<u> </u>	<u> </u>	<del>!</del>		
	<del>                                     </del>			1		H	2021 Assess	ment: No cha	inges reported	a. No reporte	a problems.		
	<del>     </del>					H	2022 Assess	mont: Minor r	modications to	convert kite	hon to office	<u> </u>	
	<del>                                     </del>						Replace fire a					J.	
				1		11			5_5. 1 topi		1		
mmed. Site, Ext. Ltg., etc	3	\$326,106	0	0	10	90	2005-Original	masonry pati	o area pavers	heaved, une	even, difficult	to maintain.	
			\$0	\$0	\$32,611	\$293,495							
		-					Replacement	with concrete	scheduled fo	r 2006			
	<u>                                     </u>					Щ							
							2007 assessi	ment: Masonry	y pavers repla	aced with pou	red concrete		
	<del>     </del>			1		H	2222 2245 :	<u>                                     </u>	<u> </u>	<u> </u>			
	╫┈╫						2009-2015 As	ssessment: No	o changes rep	orted.			
	╫┈╫			1		H	2016 - 2022	Assessment:	No changes r	enorted No	reported prob	lome	
	<del>     </del>		<del>                                     </del>	+	<del>                                     </del>	<del>  </del>	2010 - 2022	Assessineili.	INO CHAINGES I	eported. NO	I	10110.	1

	CRV	DMB	EXCESS	FCI	RATING	DMB	<b>EXCESS</b>	FCI	\$/YR MAINTAIN	RATING		
\$10,8	370,200	\$378,283	\$0	3.48%	GOOD	\$584,817	\$41,307	5.38%	\$217,404	FAIR		
P	riority	Issues Data	a			0-5 Year	Cumulati	ve Data				
CRV Totals:	100	\$10,870,200	\$378,283	\$206,534	\$1,516,393	\$8,801,601	\$10,902,811					
System	70	3	Immediate	1-5 Years		II+ Years	System/Compo	HEHL MOLES				
Uvetem		CRV of System			udget for repair/re		Uvotom /Ilomas	nest Netes				
7.1.00.1.00,1.000.				70 70 Hatate								
Building: Activities Area: 36,190sf	Yr Bı	l ıilt: 1975		35 % Stude 30 % Natato	nt Union rium							
Bldg. No: 01				35 % Athlet	ic		2007 - Bookstore r	enovation/addition	(+1,000 SF)			
Campus: Main				Use Types	:	Notes:	original building - 3:	5,194 SF				

Bldg. No: 02 Building: Barn Theater

Yr Built: 1917

Area: 3,932sf

Use Types:

Floors: 2

100% Auditorium

Notes: 2016-Building infrequently used.

2007-seating replaced, sprinkler system added, egress improved.
2016-the exterior envelope was replaced with new barn siding.
This building cannot be replaced with an equivalent building.

	anv.	of Occators	Det of our		-		
0	CKV	of System	-	_	et for repair/replac		Directors (Company to Nation
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Structure	15	\$142,140	0	0	20		Wood structure exposed on interior, no reported problems.
			\$0	\$0	\$28,428	\$113,712	2003-Chimney repaired.
							2007 assessment: No changes, no reported problems.
							2009-2015 Assessment: No changes reported.
							2016 Assessment: No changes reported. No reported problems.
							2018 Assessment: Modifications may trigger structural upgrades of building.  This building would be difficult to bring up to current structural requirements in building code. Structure comprises of wood timbers and gambrel barn roof form.
							2019, 2021-2022 Assessment: No changes reported. No reported problems.
Roof	7	\$66,332	15 \$9,950	10 \$6,633	<b>25</b> \$16,583	50 \$33,166	Tin roof/ some asphalt shingle on later addition
			<b>\$6,000</b>	φο,σσσ	<i>\$10,000</i>	\$00,700	2007 assessment: No changes, no reported problems.
							2009-2012 Assessment: No changes reported.
							2013 Assessment: Metal barn roof due for repaint. Asphalt shingles in fair condition.
							2014-2015 Assessment: No changes reported.
							2018 Assessment: Existing tin roof on original barn, with asphalt shingles on addition. No changes reported. No reported problems.
							2019, 2021-2022 Assessment: No changes reported. No reported problems.

Use Types:

Notes: 2016-Building infrequently used.

Bldg. No: 02 Building: Barn Theater Area: 3.932sf

100% Auditorium

2007-seating replaced, sprinkler system added, egress improved. 2016-the exterior envelope was replaced with new barn siding.

: 3,932sf Yr Built: 1917 Floors: 2 This building cannot be replaced with an equivalent building

Area: 3,932sf	Yr Built	t: 1917	Floors: 2				This building cannot be replaced with an equivalent building.
	CRV o	f System	Pct. of sy	stem value to budg	et for repair/replac	ement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Glazing	1	\$9,476	0	0	20	80	Minimal glazing - only on addition. 1972 - wood frame, single pane windows installed
			\$0	\$0	\$1,895	\$7,581	(approx. 12)
							2007 Assessment: No changes, no reported problems.
							2009-2012 Assessment: No changes reported.
							2013 Assessment:
							Windows observed to be deteriorating, with many at end of expected life.
							Paint worn on many frames, some showing signs of deterioration due to age.
							Recommendation to repaint and replaced as necessary.
							2014 - 2015 Assessment: No changes reported, windows still due for repair/replacement.
							2016 assessment: all wood frame windows replaced with vinyl insulated unit windows.
							2018, 2019, 2021-2022 Assessment: No changes reported. No reported problems.
Cladding	9	\$85,284	0	0	10	90	
			\$0	\$0	\$8,528	\$76,756	Some additional deterioration noted at north exterior wall.
							2007 - 2012 assessment: No changes reported
							2013 assessment: Wood planks on barn showing continued deterioration at base.
							Top coat of paint is failing where old base coat is deteriorated. T111 plywood siding
							on addition showing signs of paint peeling and some deterioration at edges.
							2014 - 2015 Assessment: No changes reported.
							Exterior wood and trim continue showing deterioration.
							2016 assessment: all exteior wood siding replaced with new painted wood siding.
							Project cost approx. \$60,000
							2018-2019, 2021-2022 Assessment: No changes reported. No reported problems.
Campus: Main				Use Types:		Notes:	2016-Building infrequently used.
Bldg. No: 02				100% Auditoriu	m		2007-seating replaced, sprinkler system added, egress improved.
Building: Barn Theater Area: 3,932sf	Vr Duill	· 1017	Floors: 2				2016-the exterior envelope was replaced with new barn siding.
AIEa. 3,932SI	Yr Built	. 191 <i>1</i>	Floors: 2				This building cannot be replaced with an equivalent building.

	CRV	of System	Pct. of sy	stem value to budg	jet for repair/replac	ement:	
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
HVAC	20	\$189,520	25	20	0	55	System upgraded in 1991
			\$47,380	\$37,904	\$0	\$104,236	Fan unit above stage noisy, often shut off during performances.
							Temperature varies significantly from low seats to high seats.
							2007 assessment: No changes, no reported problems.
							2009 Assessment: No changes reported.
							2011 assessment: No changes reported.
							2012 assessment: Barn not on campus-wide building automation system.
							2013 assessment:
							Barn ground mounted twin-condensor A/C unit installed in 1991 is near end of expected life. Budgeting for replacement recommended.
							2014 Assessment: No changes reported.
							2015 Assessment: No changes reported. HVAC system remains near end of
							expected life.
							2016 Assessment: No changes reported.
							2018 Assessment: The barn Theater HVAC is served by gas-fired heat and DX
							cooling AHUs/RTUs and both in good condition, should continue to function.  The building HVAC controls do not report to the School Campus's BEMS system.
							2019, 2021-2022 Assessment: No changes reported. No reported problems.

Use Types:

Notes: 2016-Building infrequently used. 2007-seating replaced, sprinkler system added, egress improved.

Bldg. No: 02 **Building: Barn Theater** 

100% Auditorium

2016-the exterior envelope was replaced with new barn siding.

|--|

Area: 3,932sf	Yr Buil	t: 1917	Floors: 2				This building cannot be replaced with an equivalent building.
	CRV (	of System	Pct. of sys	stem value to budg	et for repair/replac	ement:	
System	%	S	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Plumbing/Drainage	6	\$56,856	<b>0</b> \$0	<b>0</b> \$0	<b>25</b> \$14,214		Replaced in 1972. Septic system near capacity. Additional fixtures will likely overload system.
							2007 assessment: Piping for sprinkler system added.
							2009-2014 Assessment: No changes reported.
							2015 assessment: water supply piping from well replaced to both farmhouse and barn. Septic system remains near capacity.
							2016 Assessment: No changes reported.
							2018 Assessment: The Theater Building is an assembly space full of combustibles, fully sprinkled. The restroom plumbing was upgraded and appears to be in good condition.
							2019, 2021-2022 Assessment: No changes reported. No reported problems.
Primary/Secondary	5	\$47,380	0	0	30	70	Recently upgraded
			\$0	\$0	\$14,214	\$33,166	2007 assessment:No changes, no reported problems.
							2009 Assessment:No changes reported.
							2010 assessment:
							Campus primary service upgraded by Consumers Energy to provide additional capacity.
							2011-2015 Assessment: No changes reported.
							2016 Assessment: No changes reported. No reported problems.
							2018 Assessment: The building has two electrical services, both served overhead from the power lines along West Sidney Road. One service is 240/120V single phase and provides lighting and convenience power throughout the building. The other service is 480V three phase and only serves the two condensing units on the Wiring in the building is a mixture of many types, with some open junction boxes in the control room. No fire alarm exists in the building. As an assembly occupany, this is recommended to comply with life safety codes.
							2019, 2021-2022 Assessment: No changes reported. No reported problems.

Use Types:

Notes: 2016-Building infrequently used.

Bldg. No: 02 Building: Barn Theater 100% Auditorium

2007-seating replaced, sprinkler system added, egress improved. 2016-the exterior envelope was replaced with new barn siding.

Area: 3,932sf

Yr Built: 1917

Floors: 2

This building cannot be replaced with an equivalent building.

	CRV	of System	Pct. of sy	stem value to budg	et for repair/repla	cement:	
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Distribution	6	\$56,856	10	10	10	70	Recently upgraded
			\$5,686	\$5,686	\$5,686	\$39,799	Electrical system inadequate to support desired lighting levels.
							2007 assessment:No changes, no reported problems.
							2009 - 2016 Assessment: No changes reported.
							2018, 2019, 2021-2022 Assessment: No changes reported.
Lighting	5	\$47,380	0	10	10	80	Need better lighting for stage - other OK
			\$0	\$4,738	\$4,738	\$37,904	2007 assessment:
							Seat-mounted aisle lighting added as part of seating replacement project.
							Balance of theater lighting remains unchanged.
							2009-2011 Assessment:No changes reported
							2012 assessment: Lighting system upgraded as part of ECM contract.
							2013-2015 Assessment: No changes reported.
							2016, 2018, 2019, 2021-2022 Assessment: No changes reported.

Bldg. No: 02 Building: Barn Theater

Yr Built: 1917

Area: 3,932sf

Use Types:

Floors: 2

100% Auditorium

Notes: 2016-Building infrequently used.

2007-seating replaced, sprinkler system added, egress improved.

2018, 2019, 2021-2022 Assessment: No changes reported. No reported problems.

2016-the exterior envelope was replaced with new barn siding. This building cannot be replaced with an equivalent building.

	CRV o	of System	Pct. of sys	stem value to budg	et for repair/replac	cement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Voice/Data	1	\$9,476	0	0	10	90	Minimal - upgraded
			\$0	\$0	\$948	\$8,528	
							2007 assessment:No changes, no reported problems.
							2009-2015 Assessment: No changes reported.
							2016 Assessment: No changes reported.
							2018, 2019, 2021-2022 Assessment: No changes reported. No reported problems.
Ceilings	3	\$28,428	0	0	15	85	Exposed in theater, 2x4 suspended in other areas- OK
			\$0	\$0	\$4,264	\$24,164	
							2007 assessment:No changes, no reported problems.
							2009-2015 Assessment: No changes reported.
							2016 Assessment: No changes reported.
							2018, 2019, 2021-2022 Assessment: No changes reported. No reported problems.
Walls/Casework	8	\$75,808	0	0	10	90	Exposed sprayed-on insulation in theater - no reported problems. Seats worn and failing.
			\$0	\$0	\$7,581	\$68,227	
							2007 assessment: Seating replaced.
							2009-2015 Assessment: No changes reported.
							2016 Assessment: No changes reported.

Bldg. No: 02 Building: Barn Theater

Area: 3,932sf

Use Types: 100% Auditorium

Notes: 2016-Building infrequently used.

2007-seating replaced, sprinkler system added, egress improved.
2016-the exterior envelope was replaced with new barn siding.
This building cannot be replaced with an equivalent building.

Yr Built: 1917 Floors: 2

	CRV o	of System	Pct. of sys	stem value to budg	et for repair/replac	ement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Doors	2	\$18,952	<b>0</b> \$0	<b>0</b> \$0	<b>10</b> \$1,895	<b>90</b> \$17,057	Modified barn doors with panic hardware Hardware nearing end of life
							2007 Assessment: Egress hardware added as required. Exterior door weatherstripping added as required.
							2009-2012 Assessment:No changes reported.
							2010 assessment:No changes reported.
							2013 assessment: Secondary doors showing signs of additional deterioration.
							2014 - 2015 Assessment: No changes reported. Exterior doors continuing to show aging.
							2016 assessment: exterior wood doors replaced with new painted wood doors as part of siding replacement.
							2018, 2019, 2021-2022 Assessment: No changes reported. No reported problems.
Floors	2	\$18,952	<b>0</b> \$0	10 \$1,895	15 \$2,843	<b>75</b> \$14,214	Wood/concrete - OK. Carpet in dressing rooms
							2007 assessment: Carpet added in theater aisles. No reported problems.
							2009-2015 Assessment: No changes reported.
							2016 Assessment: No changes reported.
							2018 Assessment: No changes reported. No reported problems.  Existing floors are concrete slab-on-grade, with wood-frame construction, vinyl floors and carpeted floors in the 2-story addition.
							2019, 2021-2022 Assessment: No changes reported. No reported problems.

Bldg. No: 02 **Building: Barn Theater** 

Area: 3,932sf

Use Types: 100% Auditorium

Notes: 2016-Building infrequently used.

2007-seating replaced, sprinkler system added, egress improved. 2016-the exterior envelope was replaced with new barn siding. This building cannot be replaced with an equivalent building.

Yr Built: 1917 Floors: 2

	CRV	of System	Pct. of sys	stem value to budg	et for repair/replac	ement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Bldg., Fire, ADA, Elevators	7	\$66,332	0	10	10	80	No fire alarm/ sprinklers. Building generally not ADA compliant.
			\$0	\$6,633	\$6,633	\$53,066	
							2002-Portable wheelchair lift added
							2007 assessment: New handrails installed in aisles. New ADA accessible seating added.
							Automatic sprinkler system added.
							Toilet rooms not modified, not ADA compliant.
							No fire alarm system.
							2009-2016 Assessment: No changes reported.
							2018, 2019, 2021-2022 Assessment: No changes reported. No reported problems.
mmed. Site, Ext. Ltg., etc	3	\$28,428	0	0	5	95	Paving repaired 2000-2001. Site OK.
			\$0	\$0	\$1,421	\$27,007	
							2007 assessment: Exterior platform with railings added at stage door.
							2009 Assessment: No changes reported.
							2010 assessment: Exterior walks replaced.
							2011-2015 Assessment: No changes reported.
							2016 Assessment: No changes reported.
							2018, 2019, 2021-2022 Assessment: No changes reported. No reported problems.

Use Types:

Notes: 2016-Building infrequently used.

Bldg. No: 02

100% Auditorium

2007-seating replaced, sprinkler system added, egress improved. 2016-the exterior envelope was replaced with new barn siding.

Building: Barn Theater Area: 3,932sf

Yr Built: 1917

Floors: 2

This building cannot be replaced with an equivalent building.

1	CF	RV of System	Pct. of s	ystem value to bu	lget for repair/rep	lacement:				
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Compo	onent Notes		
CRV Totals:	100	\$953,295	\$63,015	\$63,489	\$119,871	\$701,224	\$947,600			
	Priority I	ssues Da	ta			0-5 Year	Cumulati	ve Data		
	\$947,600	\$63,015	\$15,730	6.65%	FAIR	\$123,928	\$76,263	13.00%	\$18,952	POOR
	CRV	DMB	EXCESS	FCI	RATING	DMB	EXCESS	FCI	\$/YR MAINTAIN	RATING

Use Types: 100% Storage

Notes: Pre-engineered building

**Building: Cold Storage** 

Area: 3,880sf

Yr Built: 1967

Floors: 1

	CRV (	of System	Pct. of sys	stem value to budg	et for repair/replac	ement:	
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Structure	35	\$59,360	0	0	0	100	No reported problems
			\$0	\$0	\$0	\$59,360	2007 assessment:No changes
							· ·
							2009 - 2015 Assessment: No changes reported.
							2016 Assessment: No changes reported. No reported problems.
							2018 Assessment: No changes reported. No reported problems.
							Structure is comprised of steel beams, corrugated metal walls and metal panel roof.
							2019, 2021-2022 Assessment: No changes reported. No reported problems.
Roof	15	\$25,440	0	0	0	100	Metal roof
			\$0	\$0	\$0	\$25,440	2007 assessment: No changes
							2009-2013 Assessment:No changes reported.
							2014 assessment: Roof inspected, repaired as necessary.
							2015 Assessment: No changes reported.
							2016 Assessment: No changes reported. No reported problems.
							2018 Assessment: No changes reported. No reported problems. Metal panel roof.
							2019, 2021-2022 Assessment: No changes reported. No reported problems.
Glazing	0	\$0	<b>0</b> \$0	0 \$0	<b>0</b> \$0	100 \$0	N/A
			, , , , , , , , , , , , , , , , , , ,	+0	**	40	2014 - 2015 Assessment: No changes reported.
							2016 Assessment: No changes reported. No reported problems.
							2018, 2019, 2021, 2022 Assessment: No changes reported. No reported problems.

Use Types: 100% Storage Notes: Pre-engineered building

Building: Cold Storage

Area: 3,880sf

Yr Built: 1967

Floors: 1

	CRV o	f System	Pct. of sys	stem value to budg	et for repair/replac	cement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Cladding	20	\$33,920	0	10	10	80	Metal siding, minor damage, not an issue
			\$0	\$3,392	\$3,392	\$27,136	
							2007 assessment:No changes
							2009-2016 Assessment: No changes reported.
							2018, 2019, 2021-2022 Assessment: No changes reported. No reported problems.
HVAC	0	\$0	0	0	0	100	N/A
			\$0	\$0	\$0	\$0	
							2014 - 2016 Assessment: No changes reported.
							2018, 2019, 2021-2022 Assessment: No changes reported. No reported problems.
Plumbing/Drainage	0	\$0	0	0	0	100	N/A
			\$0	\$0	\$0	\$0	
							2014 - 2016 Assessment: No changes reported.

2018, 2019, 2021-2022 Assessment: No changes reported. No reported problems.

Use Types: 100% Storage

Notes: Pre-engineered building

Building: Cold Storage

Area: 3,880sf

Yr Built: 1967

Floors: 1

	CRV of	System	_	_	et for repair/repla		
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Primary/Secondary	4	\$6,784	0	0	0	100	minimal
			\$0	\$0	\$0	\$6,784	
							2007 assessment:No changes
							2009 - 2016 Assessment: No changes reported.
							2018, 2019, 2021-2022 Assessment: No changes reported. No reported problems.
Distribution	4	\$6,784	0	0	0	100	minimal
			\$0	\$0	\$0	\$6,784	
							2007 assessment:No changes
							2009-2016 Assessment: No changes reported.
							2018, 2019, 2021-2022 Assessment: No changes reported. No reported problems.
Lighting	4	\$6,784	0	0	0	100	minimal, No reported problems
			\$0	\$0	\$0	\$6,784	
							2007 assessment:No changes
							2009 - 2015 Assessment: No changes reported.
							2016 Assessment: No changes reported. No reported problems.
							2018 Assessment: No changes reported. No reported problems. Incandescent light fixtures.
							2019 Assessment: No changes reported. No reported problems.
							2021-2022 Assessment: No changes reported. No reported problems.

Use Types: 100% Storage Notes: Pre-engineered building

Building: Cold Storage

Area: 3,880sf

Yr Built: 1967

Floors: 1

	CRV of S	System	Pct. of sys	tem value to budg	et for repair/replace	ement:	
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Voice/Data	0	\$0	0	0	0	100	N/A
			\$0	\$0	\$0	\$0	
							2014 - 2016 Assessment: No changes reported.
							2018, 2019, 2021-2022 Assessment: No changes reported. No reported problems.
Ceilings	0	\$0	0	0	0	100	N/A
			\$0	\$0	\$0	\$0	
							2014 - 2016 Assessment: No changes reported.
							2018, 2019, 2021-2022 Assessment: No changes reported. No reported problems.
Walls/Casework	0	\$0	0	0	0	100	N/A
			\$0	\$0	\$0	\$0	
							2014 - 2016 Assessment: No changes reported.

2018, 2019, 2021-2022 Assessment: No changes reported. No reported problems.

Use Types: 100% Storage

Notes: Pre-engineered building

**Building: Cold Storage** 

Area: 3,880sf

Yr Built: 1967

Floors: 1

	CRV	of System	Pct. of sys	stem value to budg	et for repair/repla	cement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Doors	10	\$16,960	<b>0</b> \$0	<b>10</b> \$1,696	10 \$1,696	<b>80</b> \$13,568	Sliding doors, No reported problems
							2007 assessment:No changes
							2009-2016 Assessment: No changes reported.
							2018, 2019, 2021-2022 Assessment: No changes reported. No reported problems.
Floors	4	\$6,784	0	0	0	100	concrete, No reported problems
			\$0	\$0	\$0	\$6,784	2007 assessment:No changes
							2009-2015 Assessment: No changes reported.
							2016 Assessment: No changes reported. No reported problems.
							2018 Assessment: No changes reported. No reported problems. Concrete slab-on-grade.
							2021-2022 Assessment: No changes reported. No reported problems.
Bldg., Fire, ADA, Elevators	2	\$3,392	0	0	0	100	No reported problems
			\$0	\$0	\$0	\$3,392	2007 assessment:No changes
							2009-2016 Assessment: No changes reported.

2018, 2019, 2021-2022 Assessment: No changes reported. No reported problems.

Campus: Main Bldg. No: 03 Building: Cold Storage Area: 3,880sf Use Types: 100% Storage Notes: Pre-engineered building

Yr Built: 1967 Floors: 1

System	CRV (	of System S	Pct. of sys Immediate	tem value to budg 1-5 <b>Years</b>	et for repair/rep <b>6-10 Years</b>		System/Component Notes
Immed. Site, Ext. Ltg., etc	2	\$3,392	0	0	0	100	No reported problems
			\$0	\$0	\$0	\$3,392	2007 assessment:No changes
							2009-2016 Assessment: No changes reported.
							2018, 2019, 2021-2022 Assessment: No changes reported. No reported problems.
CRV Totals:	100	\$169,600	\$0	\$5,088	\$5,088	\$159,424	\$169,600
Pri	ority Is	sues Da	ta			0-5 Year	Cumulative Data
\$1	69,600	\$0	\$0	0.0%	GOOD	\$5,088	\$0 3.0% \$3,392 GOOD
	CRV	DMB	EXCESS	FCI	RATING	DMB	EXCESS FCI S/YR MAINTAIN RATING

Use Types:

Notes:

Building: Doser Building

10 % Administration45 % Technology Lab

Area: 38,013sf

Yr Built: 1999 Floors:

Floors: 1 45 % Classroom

•	CR	RV of System	Pct. of system value to budget for repair/replacement:				
System	%	\$	Immediate	1-5 Years	6-10 Years		System/Component Notes
Structure	15	\$1,701,330	0	0	5	95	Foundation wall cracked in 4 locations in computer lab. Some moisture infiltration.
			\$0	\$0	\$85,067	\$1,616,264	2007 assessment:
							computer lab exterior wall cracking sealed, no moisture problem noted.
							2009 -2012 assessment: No changes reported
							2013 assessment: Small amount of water infiltration in computer lab wall continuing.
							2014 Assessment: No changes reported.
							2015 assessment: water infiltration into computer lab reported to be resolved.
							2016 Assessment: No changes reported. No reported problems.
							2018 Assessment: Building in good structural condition, no deficiencies noted. No changes reported. No reported problems.
							2019, 2021-2022 Assessment: No changes reported. No reported problems.

Use Types:

Notes:

Building: Doser Building

10 % Administration45 % Technology Lab

Area: 38,013sf

Yr Built: 1999

Floors: 1 45 % Classroom

	CRV	of System	Pct. of sys	stem value to budg	et for repair/replac	ement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Roof	6	\$680,532	30	35	0	35	Ballasted single ply EPDM.
			\$204,160	\$238,186	\$0	\$238,186	2007 assessment:No changes. No reported problems.
							2009 Assessment:No changes reported.
							2010 Assessment: Roof evaluation performed. Roof membrane pulled away at parapets, repaired in 2010 under warranty.
							2011 assessment: Minor roof leaks repaired as part of annual maintenance.
							2012 assessment: No changes reported
							2013 assessment: Minor roof leaks repaired and roof seams serviced as part of annual maintenance.
							2014 assessment: Roof inspected, repaired as necessary.
							2015 Assessment: No changes reported. No reported problems.
							2016 Assessment: No changes reported. No reported problems. Projected roof membrane replacement from roof report: 2022
							2018 Assessment: No changes reported. No reported problems. Roof replacement scheduled in 2027.
							2019 Assessment: No changes reported. No reported problems.
							2021 Assessment: No changes reported. No reported problems. Projected roof replacement in 2023.

2022 Assessment: Partial roof repair/replacement in 2023, including 12' at roof edges.

Use Types:

Notes:

Building: Doser Building

10 % Administration45 % Technology Lab

Area: 38,013sf

Yr Built: 1999

	CRV	of System	Pct. of sy	stem value to budg	et for repair/replac	cement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Glazing	5	\$567,110	0	0	15	85	Window roller shade termination bars failing from handling and misuse.
			\$0	\$0	\$85,067	\$482,044	2007 assessment:No changes. Roller shades repaired as required.
							2009-2016 Assessment: No changes reported. No reported problems.
							2018-2019, 2021-2022 Assessment: No changes reported. No reported problems.
Cladding	6	\$680,532	0	0	15	85	No reported problems
			\$0	\$0	\$102,080	\$578,452	2007 assessment:
							Brick sills at air intakes failing. Brick swelling, buckling and spalling. No relief
							for brick expansion at either end.
							Exterior sealants not wearing well, near end of life and due for replacement.
							2009 Assessment:
							2008-brick at air intakes repaired.
							2008-building exterior sealants replaced as required.
							2010 Assessment:No changes reported.
							2011 assessment:No changes. No reported problems.
							2012 assessment: No changes reported
							2013 assessment: Flashing at base of wall in southwest corner of building torn, some loose. Due for repair.
							2014 - 2016 Assessment: No changes reported.
							2018-2019, 2021-2022 Assessment: No changes reported. No reported problems.

Use Types:

Notes:

Building: Doser Building

10 % Administration45 % Technology Lab

Area: 38,013sf

Yr Built: 1999

	CRV	V of System	Pct. of sy	stem value to budç	et for repair/repla	cement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
HVAC	24	\$2,722,128	0	0	20	80	Building on central boiler system with independent reheat coil boiler
			\$0	\$0	\$544,426	\$2,177,702	2002-Add'l AC unit added in telecom
							2002-reheat boiler correctly piped
							2005-package AC unit in telecom room (installed 2002) replaced with 4 Trane DX units (\$40,000)
							Variable Frequency Drive units controls failing. Several have been replaced.
							2005-No reported problems
							2007 assessment:No changes. No reported problems.
							2009 Assessment:
							2008-Additional reheat boiler installed to improve building humidity control (\$50,000).
							2010 Assessment: Gas meter systems replaced by Consumers Energy.
							2011 assessment:No changes. No reported problems. VFD units working well.
							2012 assessment:
							System controls upgraded to DDC as part of new energy management system.  3 VAV units replaced. New actuators, dampers and control valves installed as required.
							2013-2014 assessment: No changes reported

Use Types:

Notes:

Building: Doser Building

10 % Administration45 % Technology Lab

Area: 38,013sf

Yr Built: 1999 Floors: 1

Floors: 1 45 % Classroom

	CR	/ of System	Pct. of sy	stem value to budç	et for repair/repla	cement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
HVAC (continued)	24	\$2,722,128	0	0	20	80	2015 assessment: (2) variable frequency drives replaced in return air system.
			\$0	\$0	\$544,426	\$2,177,702	No reported problems.
							2016 Assessment: No changes reported. No reported problems.
							2018 Assessment: The HVAC system is served by two (2) central AHUs
							which appear in relatively good conditon. The system uses electric reheat coils and
							electric boilers which is recommended to be replaced with gas-fire boiler and hot water
							reheat coils for energy savings.
							Chilled water is supplied by an outdoor air-cooled chiller using 25% ethylene glycol.
							The current outdoor chiller is in good condition and will continue to provide 10 to 20 years.
							Recommend improvements on the summer humidity for both the north and south AHU
							systems by implementing CO2 demand ventilation control.
							The building is fully DDC controlled with the standed campus BEMS systems but
							recommended improved VAV zone control for the administration offices.
							Current IT Data room HVAC units are failing and not reliable with 2 for 4 AC units
							Units have reached their expected lives, recommended for replacement with 2 new AC units.
							2019 Assessment: Data room AC units were replaced.
							2021 Assessment: No changes reported. No reported problems.

2022 Assessment: Water/humidity issues resoloved with HVAC and building controls.

Use Types:

Notes:

**Building: Doser Building** 

10 % Administration45 % Technology Lab

Area: 38,013sf

Yr Built: 1999

Floors: 1 45 % Classroom

	CRV	of System	Pct. of sys	stem value to budg	et for repair/replac	ement:	
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Plumbing/Drainage	5	\$567,110	0	0	5	95	No reported problems
			\$0	\$0	\$28,356	\$538,755	
							2007 assessment:No changes. No reported problems.
							2009-2016 Assessment: No changes reported. No reported problems.
							2018-2019, 2021-2022 Assessment: No changes reported. No reported problems.
Primary/Secondary	8	\$907,376	0	0	5	95	No reported problems
			\$0	\$0	\$45,369	\$862,007	
							2007 assessment:No changes. No reported problems.
							2009 Assessment:No changes reported.
							2010 assessment:
							Campus primary service upgraded by Consumers Energy to provide additional capacity.
							2011-2015 Assessment: No changes reported. No reported problems.
							2016 Assessment: No changes reported. No reported problems.
							2018 Assessment: The building is served power via a unit substation which has a loop-feed
							primary and contains a 750kVA transformer with 480/277V secondary.
							Recommened to exercise / clean / tighten the newer Square D equipment same as older gear.
							The building has a Simplex 4005 fire alarm system, which appears to meet life safety code.
							The building has the only permament onsite generator (serving server room) - new, no issues.
							The electrical equipment in catering kitchen appears to now handle permanent appliances.
							2019, 2021-2022 Assessment: No changes reported. No reported problems.
Distribution	5	\$567,110	0	0	5	95	No reported problems
			\$0	\$0	\$28,356	\$538,755	
							2007 assessment: No changes. No reported problems.
							2009-2015 Assessment: No changes reported. No reported problems.

2018-2019, 2021-2022 Assessment: No changes reported. No reported problems.

Use Types:

Notes:

Building: Doser Building

10 % Administration45 % Technology Lab

Area: 38,013sf

Yr Built: 1999

	CRV	of System	Pct. of sys	tem value to bud	jet for repair/replace	ement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Lighting	5	\$567,110	<b>0</b> \$0	<b>10</b> \$56,711	<b>10</b> \$56,711		Insects in fixtures cannot be removed without disassembling fixture, no economical resolution found.
							2007 - 2011 assessment:No changes. No reported problems.
							2012 assessment: Lighting system upgraded as part of ECM contract.
							2013- 2015 Assessment: No changes reported. No reported problems.
							2016 Assessment: No changes reported. No reported problems.
							2018 Assessment: The main electrical room lacks emergency lighting. Recommend adding this for worker safety. Lighting throughout is T8 fluorescent technology. Classrooms typically have a mixture of switched and dimmed fluorescent indirect linear fixtures. Future remodels should have planned budget to replace with LED lighting for energy savings, maintenance savings, and ease of control/dimming.
							2019 Assessment: Replaced 70 light fixtures. No reported problems.
							2021 Assessment: No changes reported. No reported problems.
							2022 Assessment: Upgrade classroom lighting over next five years
Voice/Data	5	\$567,110	0	0	0		No reported problems
			\$0	\$0	\$0	\$567,110	2007 assessment:No changes. No reported problems.
							2009-2016 Assessment: No changes reported. No reported problems.
							2018-2019, 2021-2022 Assessment: No changes reported. No reported problems.
Ceilings	3	\$340,266	0	0	5	95	No reported problems
			\$0	\$0	\$17,013	\$323,253	2007 assessment: No changes. No reported problems.
							2009-2015 Assessment: No changes reported. No reported problems.
							2016 Assessment: No changes reported. No reported problems.
							2018-2019, 2021-2022 Assessment: No changes reported. No reported problems.

Use Types:

Notes:

Building: Doser Building

10 % Administration45 % Technology Lab

Area: 38,013sf

Yr Built: 1999

	CRV	of System	Pct. of sys	tem value to budg	jet for repair/replace	ment:	
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Walls/Casework	2	\$226,844	0	0	5		Recently repainted 303 & 305
			\$0	\$0	\$11,342	\$215,502	2007 - 2010 Assessment:No changes reported.
							2011 assessment: Routine wall painting performed in corridors. No reported problems.
							2012 assessment: No changes reported
							2013 assessment: Routine wall painting performed in corridors. No reported problems.
							2014 - 2016 Assessment: No changes reported. No reported problems.
							2018-2019, 2021-2022 Assessment: No changes reported. No reported problems.
Doors	3	\$340,266	0	0	5		No reported problems
			\$0	\$0	\$17,013	\$323,253	2007- 2012 assessment: No changes reported
							2013 assessment: Classroom door hardware changed to lockdown type for security.
							2014 assessment: Damaged doors to conference room replaced.
							2015 Assessment: No changes reported. No reported problems.
							2016 Assessment: No changes reported. No reported problems.
							2018 Assessment: No changes reported. No reported problems. Connector doors to Activities Building replaced in 2018.
							2019, 2021-2022 Assessment: No changes reported. No reported problems.

Use Types:

Notes:

Building: Doser Building

10 % Administration45 % Technology Lab

Area: 38,013sf

Yr Built: 1999

	CRV	of System	Pct. of sy	stem value to budg	et for repair/replac	cement:	
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Floors	3	\$340,266	0	0	10	90	2005-loose VCT in catering kitchen repaired
			\$0	\$0	\$34,027	\$306,239	2007 assessment:No changes. No reported problems.
							2009-2015 Assessment: No changes reported. No reported problems.
							2016, 2018, 2019, 2021 Assessment: No changes reported. No reported problems.
							2022 Asssessment:
Bldg., Fire, ADA, Elevators	2	\$226,844	0	0	10	90	fully sprinkled
			\$0	\$0	\$22,684	\$204,160	3 4 7 3 4 4 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
							replacement 2003-interior railings replaced with painted steel, problem resolved
							2003-Interior railings replaced with painted steet, problem resolved
							2007 assessment:No changes. No reported problems.
							2009-2016 Assessment: No changes reported. No reported problems.
							2018-2019, 2021 Assessment: No changes reported. No reported problems.
							2022 Assessment: Building adccess control upgraded

Use Types:

Notes:

Bldg. No: 04 Building: Doser Building 10 % Administration45 % Technology Lab

Area: 38,013sf

Yr Built: 1999

	CRV	of System	Pct. of sys	tem value to budg	et for repair/replac	ement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Immed. Site, Ext. Ltg., etc	3	\$340,266	10	0	10		No reported problems
			\$34,027	\$0	\$34,027	\$272,213	2007 assessment:No changes. No reported problems.
							2009-2012 Assessment: No changes reported. No reported problems.
							2013 assessment: Grade at northeast corner (outside computer lab) is very flat and may be contributing to the water infiltration problem. Regrading with a swale may improve situation.
							2014 - 2015 Assessment: No changes reported. No reported problems.
							2016 Assessment: No changes reported. No reported problems.
							2018 Assessment: No changes reported. No reported problems. South parking lot lights replaced in 2017.
							2019, 2021-2022 Assessment: No changes reported. No reported problems.

	CRV	DMB	EXCESS	FCI	RATING	DMB	EXCESS	FCI	\$/YR MAINTAIN	RATING	
	\$11,342,200	\$238,186	\$0	2.1%	GOOD	\$533,083	\$0	4.7%	\$226,844	GOOD	
	Priority	Issues Data	<u> </u>			0-5 Year	Cumulative	e Data			
CRV Totals:	100	\$11,342,200	\$238,186	\$294,897	\$1,111,536	\$9,697,581	\$11,342,200				

Use Types: 100% Residence Notes: 2015 - Farmhouse no longer used by College, leased out.

Building: Farmhouse

Area: 2,550sf

Yr Built: 1916 F

	CRV o	of System	Pct. of sys	tem value to budg	et for repair/replac	cement:	
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Structure	15	\$76,680	0	0	10	90	Wood frame structure on stone foundation.
			\$0	\$0	\$7,668	\$69,012	2007 - 2012 assessment:No changes reported.
							2013 assessment: Stone foundation cracking at mortar joints observed.
							2014 Assessment: No changes reported.
							2015 assessment: Entry porch rebuilt. No changes to building foundation wall.
							2016 Assessment: No changes reported.
							2018 Assessment: No changes reported. No reported problems. Fieldstone and concrete block foundation. Wood frame house.
							2019, 2021-2022 Assessment: No changes reported. No reported problems.
Roof	8	\$40,896	<b>0</b> \$0	<b>20</b> \$8,179	<b>20</b> \$8,179	<b>60</b> \$24,538	Tin roof on original house membrane roof on addition
			ΨΟ	φο, 173	ψ0,113	Ψ24,000	2007 - 2012 assessment:No changes reported.
							2013 assessment: Metal roof due for repainting.
							2014 - 2015 Assessment: No changes reported.
							2016 assessment: Metal roof due for repair and repainting.
							2018 Assessment: No changes reported. No reported problems. Tin roof on wood gable structure.
							2019, 2021-2022 Assessment: No changes reported. No reported problems.

Use Types: 100% Residence

Notes: 2015 - Farmhouse no longer used by College, leased out.

**Building: Farmhouse** 

Area: 2,550sf

Yr Built: 1916

Floors: 2

	CRV o	f System	Pct. of sys	tem value to budg	et for repair/replac	ement:	
system	%	S	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Glazing	5	\$25,560	0	15	20	65	Old - OK (Single pane)
			\$0	\$3,834	\$5,112	\$16,614	2007 assessment:No changes. No reported problems.
							2009-2012 Assessment: No changes reported.
							2013 assessment: Wood window frames showing peeling paint and wood deterioration. Windows due for repainting and limited replacement.
							2014 - 2015 Assessment: No changes reported.
							2016 Assessment: No changes reported. Windows continue to show need for repair/replacement.
							2018, 2019, 2021-2022 Assessment: No changes reported. No reported problems.
Cladding	10	\$51,120	0	15	20		2003-Wood siding replaced (60%)/repainted (100%)
			\$0	\$7,668	\$10,224	\$33,228	2007 assessment:No changes. No reported problems.
							2009 Assessment: 2009-exterior repainted
							2010- 2012 assessment:No changes reported.
							2013 assessment: Wood soffit showing paint aging and deterioration, some wood rotting, especially at entry Painted wood trim due for replacement at main door and other limited areas.
							2014 - 2015 Assessment: No changes reported.
							2016 Assessment: No changes reported. Wood siding, trim continue to show need for repair/replacement.
							2018, 2019, 2021-2022 Assessment: No changes reported. No reported problems.

Campus: Main Use Types: Notes: 2015 - Farmhouse no longer used by College, leased out.

Bldg. No: 05

100% Residence

Building: Farmhouse

Area: 2,550sf

Yr Built: 1916

	CRV	of System	Pct. of sys	stem value to budg	et for repair/replac		
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
HVAC	10	\$51,120	0	0	10	90	Newer residential grade system- 1995
			\$0	\$0	\$5,112	\$46,008	
							2007 assessment:No changes. No reported problems.
							2009 Assessment:No changes reported.
							2010 Assessment:
							Gas meter systems replaced by Consumers Energy.
							2011 - 2013 assessment:No changes reported. Building not on campus-wide building management system.
							2014 assessment: Furnace replaced with new residential unit, using existing AC unit.
							2015 Assessment: No changes reported.
							2016 Assessment: No changes reported
							2018 Assessment: No changes reported. No reported problems.
							Forced air furnace with central air-conditioning.
							2019, 2021-2022 Assessment: No changes reported. No reported problems.

Use Types: 100% Residence Notes: 2015 - Farmhouse no longer used by College, leased out.

**Building: Farmhouse** 

Area: 2,550sf

Yr Built: 1916

	CRV	of System	Pct. of sys	stem value to bud	jet for repair/replac	ement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Plumbing/Drainage	5	\$25,560	0	0	20	80	Pipes in basement - old. All other new in 1995
			\$0	\$0	\$5,112	\$20,448	Septic system separate from Barn Theater
							No reported problems
							2007 assessment:No changes. No reported problems.
							2009-2014 assessment:No changes. No reported problems.
							2012 - 2014 Assessment: No changes reported.
						2015 assessment: water supply piping from well replaced to both farmhouse	
						and barn.	
							2016, 2018-2019, 2021-2022 Assessment: No changes reported
Primary/Secondary	10	\$51,120	0	0	5	95	
			\$0	\$0	\$2,556	\$48,564	
							2007 assessment:No changes. No reported problems.
							2009 Assessment:No changes reported.
							2010 assessment:
							Campus primary service upgraded by Consumers Energy to provide additional capacity.
							2011-2016 Assessment: No changes reported.
							2018-2019, 2021-2022 Assessment: No changes reported

Use Types: 100% Residence Notes: 2015 - Farmhouse no longer used by College, leased out.

Building: Farmhouse

Area: 2,550sf

Yr Built: 1916

	CRV	of System	Pct. of sys	stem value to budg	et for repair/repla	cement:	
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Distribution	5	\$25,560	0	0	5	95	Newer service
			\$0	\$0	\$1,278	\$24,282	
							2007 assessment:No changes. No reported problems.
							2009-2016 Assessment: No changes reported. No reported problems.
							2018-2019, 2021-2022 Assessment: No changes reported. No reported problems.
Lighting	4	\$20,448	0	5	10	85	Newer Service
			\$0	\$1,022	\$2,045	\$17,381	
							2007 assessment:No changes. No reported problems.
							2009-2016 Assessment: No changes reported. No reported problems.
							2018 Assessment: No changes reported. No reported problems.
							Incandescent lighting.
							2019, 2021-2022 Assessment: No changes reported. No reported problems.
Voice/Data	3	\$15,336	0	0	0	100	New - minimal
			\$0	\$0	\$0	\$15,336	
							2007 assessment:No changes. No reported problems.
							2009-2016 Assessment: No changes reported. No reported problems.
							2018-2019, 2021-2022 Assessment: No changes reported. No reported problems.

Use Types: 100% Residence

Notes: 2015 - Farmhouse no longer used by College, leased out.

**Building: Farmhouse** 

Area: 2,550sf

Yr Built: 1916

Floors: 2

	CRV	of System	Pct. of sys	stem value to budg	et for repair/replac	ement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Ceilings	3	\$15,336	0	10	10	80	Recently renovated
			\$0	\$1,534	\$1,534	\$12,269	2007 assessment:
							2009-2016 Assessment: No changes reported. No reported problems.
							2018 Assessment: No changes reported. No reported problems. Plaster on lath.
							2019, 2021-2022 Assessment: No changes reported. No reported problems.
Walls/Casework	7	\$35,784	0	10	10	80	Recently renovated
			\$0	\$3,578	\$3,578	\$28,627	2007 assessment: No reported problems
							2009-2015 Assessment: No changes reported. No reported problems.
							2016 Assessment: No changes reported. No reported problems.
							2018 Assessment: No changes reported. No reported problems.  Plaster on lath. Drywall partitions in additions and 2nd floor.
							2019, 2021-2022 Assessment: No changes reported. No reported problems.
Doors	2	\$10,224	0	20	15	65	Recently renovated
			\$0	\$2,045	\$1,534	\$6,646	2007 assessment: Exterior entry door replaced.
							2009-2016 Assessment: No changes reported. No reported problems.

2018-2019, 2021-2022 Assessment: No changes reported. No reported problems.

Use Types: 100% Residence

Notes: 2015 - Farmhouse no longer used by College, leased out.

Building: Farmhouse

r	<b>Built:</b>	1916	Floors: 2
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Area: 2,550sf	Yr Buil	lt: 1916	Floors: 2				
	CRV	of System	Pct. of sys	stem value to budg	et for repair/repla	cement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Floors	5	\$25,560	0	20	10	70	Recently renovated
			\$0	\$5,112	\$2,556	\$17,892	2007 assessment: Exterior front door replaced.
							2009-2016 Assessment: No changes reported. No reported problems.
							2018 Assessment: No changes reported. No reported problems.  Concrete slab-on-grade, hardwood, vinyl tile in kitchen and bathroom.
							2019, 2021-2022 Assessment: No changes reported. No reported problems.
Bldg., Fire, ADA, Elevators	5	\$25,560	0	0	10	90	Smoke detectors/CO sensors.
			\$0	\$0	\$2,556	\$23,004	No central fire alarm.
							Toilet rooms ADA compliant.
							2007 assessment:No changes.
							2009-2016 Assessment: No changes reported. No reported problems.
							2018-2019, 2021-2022 Assessment: No changes reported. No reported problems.
Immed. Site, Ext. Ltg., etc	3	\$15,336		0	15		2007 assessment:No changes. No reported problems.
			\$0	\$0	\$2,300	\$13,036	2009 - 2013 assessment:No changes reported.
							2014 Assessment: Exterior concrete steps and ramps replaced.
							2015, 2016 Assessment: No reported changes.
							2018-2019, 2021-2022 Assessment: No changes reported. No reported problems.

Campus: Main Bldg. No: 05

Use Types: 100% Residence Notes: 2015 - Farmhouse no longer used by College, leased out.

Building: Farmhouse

Area: 2,550sf

Yr Built: 1916

Floors: 2

10/20/22

	CRV	of System	Pct. of s	system value to buo	lget for repair/rep	lacement:					
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Compo	nent Notes			
CRV Totals:	100	\$511,200	\$0	\$32,972	\$61,344	\$416,884	\$511,200				
Prio	rity Is	sues Da	ta			0-5 Year	Cumulati	ve Data			
\$51	1,200	\$0	\$0	0.0%	GOOD	\$32,972	\$7.412	6.5%	\$10,224	FAIR	
	CRV	DMB	EXCESS	FCI	RATING	DMB	EXCESS	FCI	\$/YR MAINTAIN	RATING	

Use Types:

40 % Lab

Notes: 2015-Formerly called Instruction East

Building: Kenneth J. Smith Instructional Building

2007-Renovated as part of Ash Building project 2005-Building scheduled for major renovation as part of planned addition in 2006-2007

Area: 25,132sf

60 % Classroom

Yr Built: 1966 Floors: 2 Minor renovation in 1999.

	CR	V of System	Pct. of sys	tem value to budg	et for repair/replacen	nent:	
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Structure	15	\$1,389,975	<b>0</b> \$0	<b>0</b> \$0	<b>0</b> \$0		Occasional water infiltration, maintained regularly.  2005 - water infiltration problem resolved except for water entering mechanical room through areaway during heavy rains
							2007 assessment: Water infiltration problem resolved as part of renovation.
						2009-2015 Assessment: No changes reported. No reported problems. 2016 Assessment: No changes reported. No reported problems.	
						2018 Assessment: Greenhouse addition brick has substantial moisture damage.	
							2019, 2021 Assessment: No changes reported. No reported problems.
							2022 Assessment: Renovations and additions nearing completion. No reported problems.
Roof	5	\$463,325	<b>0</b> \$0	<b>0</b> \$0	<b>O</b> \$0		1996 - EPDM roof installed 2004: greenhouse roof due for replacement
							2007 assessment: Greenhouse reshingled. No other issues reported
							2009 - 2010 Assessment: No changes reported.
							2011-2014 Assessment: No changes. Roof inspected annually, repaired as needed. Roof nearing end of expected life.
							2015, 2016 Assessment: No changes reported. Projected roof membrane replacement from roof report: 2024
							2018, 2019 Assessment: No changes reported. No reported problems.
							2021 Assessment: No changes reported. No reported problems. Projected roof replacement in 2023.
							2022 Assessment: Renovations and additions nearing completion. No reported problems.

Use Types: 40 % Lab Notes: 2015-Formerly called Instruction East

Bldg. No: 06

2007-Renovated as part of Ash Building project

Building: Kenneth J. Smith Instructional Building

60 % Classroom

2005-Building scheduled for major renovation as part of planned addition in 2006-2007

2022 Assessment: Renovations and additions nearing completion. No reported problems.

Area: 25,132sf

Yr Built: 1966

Floors: 2

	CRV	of System	Pct. of sy	stem value to budg	et for repair/replaceme	ent:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Glazing	5	\$463,325	<b>0</b> \$0	<b>0</b> \$0	<b>0</b> \$0		OK condition. Some single pane. Greenhouse windows in poor condition
							2007 Assessment: Curtain wall system at east wall replaced as part of door replacement work.
							2009 -2011 assessment:No changes reported. Glazing on greenhouse continues to be an issue.
							2012 assessment:No changes reported.
							2013 assessment:No changes reported. Glazing on greenhouse continues to be an issue.
							2014 Assessment: No changes reported.
							2015 Assessment: No changes reported. Glazing on greenhouse continues to be an issue.
							2016 assessment: New greenhouse being built on campus. The deteriorating greenhouse may be demolished.
							2018, 2019, 2021 Assessment: No changes reported. No reported problems.

Area: 25,132sf

Bldg. No: 06

Building: Kenneth J. Smith Instructional Building

Yr Built: 1966 Floors: 2 Use Types:

40 % Lab

60 % Classroom

Notes: 2015-Formerly called Instruction East

2007-Renovated as part of Ash Building project

2005-Building scheduled for major renovation as part of planned addition in 2006-2007

2022 Assessment: Renovations and additions nearing completion. No reported problems.

	CRV	of System	Pct. of sy	stem value to budg	et for repair/replace	ment:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Cladding	6	\$555,990	0	0	0	100	Brick, No reported problems on main building. Brick on greenhouse
			\$0	\$0	\$0	\$555,990	deteriorating.
							2007 Assessment: minimal brickwork performed as part of Ash Building construction.
							2009-2012 Assessment:No changes reported. No reported problems.
							2013 assessment:No changes reported. Brick on greenhouse spalling, failing,
							due for repair, replacement or removal.
							2014 Assessment: No changes reported.
							2015 Assessment: No changes reported. Greenhouse brick continues to deteriorate.
							2016 assessment: New greenhouse being built on campus. The deteriorating
							greenhouse may be demolished.
							2018 Assessment: No changes reported. No reported problems.
							Greenhouse brick continues to deteriorate.
							2019 Assessment: No changes reported. No reported problems.
							2021 Assessment: No changes reported. No reported problems.

Area: 23,152sf

Use Types:

40 % Lab

60 % Classroom

**Notes:** 2015-Formerly called Instruction East

Bldg. No: 06

Building: Kenneth J. Smith Instructional Building

Floors: 2

Yr Built: 1966

2007-Renovated as part of Ash Building project

2005-Building scheduled for major renovation as part of planned addition in 2006-2007

2011 Assessment: No changes reported. No reported problems.

CR	of System	Pct. of sys	stem value to bud	jet for repair/replac	cement:	
%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
25	\$2,316,625	<b>0</b> \$⊘	<b>0</b> \$0	10 \$231,663	90 \$2,084,963	System mostly new in 1999.  Building on central steam loop. Heat exchanger provides HW for perimeter heating.  (1) interior AHU with steam coil and chilled water coil.  Heat provided by single steam coil in AHU.  Fume hoods original, not up to current ventilation standards, no hoods in classrooms or storage/prep area. Potential addition of Organic Chemistry may require additional hoods.  2004 - new biohazard unit added.  2007 Assessment:  Existing HVAC system, distribution, and controls remain.  DDC controls connected to existing DDC system in Ash Building.  Existing chiller connected in loop with new chiller for Ash Building to provide cooling to both buildings.  Chemistry lab relocated to new building. Ventilation system upgraded to meet current standards.  2009 Assessment: No changes reported.  2012 assessment: Controls upgraded to DDC  2010 Assessment: Gas meter systems replaced by Consumers Energy.
	%	CRV of System % \$ 25 \$2,316,625	<b>% \$ Immediate</b> 25 \$2,316,625 0	%         \$         Immediate         1-5 Years           25         \$2,316,625         0         0	%         \$         Immediate         1-5 Years         6-10 Years           25         \$2,316,625         0         0         10	%         \$         Immediate         1-5 Years         6-10 Years         11+ Years           25         \$2,316,625         0         0         10         90

Bldg. No: 06 Building: Kenneth J. Smith Instructional Building Use Types: 40 % Lab 60 % Classroom Notes: 2015-Formerly called Instruction East 2007-Renovated as part of Ash Building project

2005-Building scheduled for major renovation as part of planned addition in 2006-2007

2021 Assessment: No changes reported. No reported problems.

2022 Assessment: Renovations and additions nearing completion. No reported problems.

Minor renovation in 1999.

Area: 23,152sf Yr Buil

		_
ilt:	1966	Floors: 2

	CRV	of System	Pct. of sys	stem value to budg	et for repair/replace	ment:	
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
HVAC (continued)	25	\$2,316,625	0	0	0	0	2012 assessment: System controls upgraded to DDC as part of new energy
			\$0	\$0	\$0	\$0	management system. Actuators on dampers and control valves replaced as required.
							2013 - 2015 Assessment: No changes reported. No reported problems.
							2016 Assessment: No changes reported. No reported problems.
							2018 Assessment: The HVAC system is served by a steam to hot water heat exchanger
							to provide heat to perimeter classroom unit ventilators.
							Chilled water is supplied by an outdoor air-cooled chiller using 25% ethylene glycol.
							The current outdoor chiller is in good condition and will continue to provide 10 to 20 years.
							The building controls were improved in 2009 with occupancy sensors which save energy.
							It is recommended to upgrade building controls with the standard campus BEMS system.
							The present classroom unit ventilators do no perform well in providing comfort & noise control
							Recommend horizontal units to be replaced with improved floor mounted vertical type
							to provide the proper ventilation and reuse the existing distribution & control systems.
							2019 Assessment: No changes reported. No reported problems.

Area: 23,152sf

Use Types: 40 % Lab

Floors: 2

60 % Classroom

Notes: 2015-Formerly called Instruction East

Bldg. No: 06

Building: Kenneth J. Smith Instructional Building

Yr Built: 1966

2007-Renovated as part of Ash Building project

2005-Building scheduled for major renovation as part of planned addition in 2006-2007

	CRV	of System	Pct. of sys	stem value to budg	et for repair/replac	ement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Plumbing/Drainage	5	\$463,325	0	0	10	90	New fixtures and associated exposed plumbing installed in 1999.
			\$0	\$0	\$46,333	\$416,993	Laboratory plumbing due for replacement.
							2003-New sinks & faucets installed. Waste lift station at end of life, float sticks, pump fails, holding tank corroding, worn out. May be decommissioned as part of proposed renovation.
							2007 Assessment: Plumbing replaced as required by new building layout.
							Existing toilet rooms remain unchanged. Waste lift station replaced with new system.
							2009-2015 Assessment: No changes reported. No reported problem
							2016, 2018, 2019, 2021 Assessment: No changes reported. No reported problems.
							2022 Assessment: Renovations and additions nearing completion. No reported problems.
Primary/Secondary	9	\$833,985	0	0	5	95	Primary - no reported problems
			\$0	\$0	\$41,699	\$792,286	2007 Assessment: Primary feeds Ash Building, no reported problems.
							2009 Assessment:No changes reported.
							2010 assessment: Campus primary service upgraded by Consumers Energy to provide additional capacity.
							2011-2015 Assessment: No changes reported. No reported problems.
							2016 Assessment: No changes reported. No reported problems.
							2018 Assessment: The building is served via an exterior primary pad-mount switch (S&C PMH-13) This unit substation consists of a main switch and two transformers (one rated 750kVA with a 480/277V secondary and the other a 15kVA with a 240/120V secondary Recommended that gear is exercised, cleaned, tightened during a scheduled outage. Most 120V utilization power within the building is served via smaller step-down transformers fed from the 480V system.
							Systems throughout the building were mostly upgraded around 2007 when the Ash Building was added on No immediate concerns with lighting, fire alarm, or other systems.
							2019 Assessment: No changes reported. No reported problems.
							2021 Assessment: No changes reported. No reported problems.
							2022 Assessment: Renovations and additions nearing completion. No reported problems.

Building: Kenneth J. Smith Instructional Building Area: 23,152sf Floors: 2

Yr Built: 1966

Use Types:

40 % Lab 60 % Classroom

2005-Building scheduled for major renovation as part of planned addition in 2006-2007

Notes: 2015-Formerly called Instruction East

Minor renovation in 1999.

2007-Renovated as part of Ash Building project

	CRV	of System	Pct. of sys	stem value to budg	et for repair/replac	cement:	
ystem	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
istribution	5	\$463,325	<b>0</b> \$0	<b>0</b> \$0	<b>10</b> \$46,333	<b>90</b> \$416,993	
							2007 Assessment: minimal modifications, no reported problems.  2009-2015 Assessment: No changes reported. No reported problems.
							2016, 2018, 2019, 2021 Assessment: No changes reported. No reported problems.
							2022 Assessment: Renovations and additions nearing completion. No reported problems.
ighting	5	\$463,325	0	0	10		2001-Complete T8 upgrade funded
			\$0	\$0	\$46,333	\$416,993	2002-new lighting installed
							2007 Assessment: Classroom lighting replaced as part of ceiling replacement. Corridor lighting reinstalled. No reported problems.
							2009 - 2011 assessment: No changes reported. No reported problems.
							2012 assessment:No changes reported. Lighting upgrade not required.
							2013 assessment: Some lighting upgrades performed as part of performance contract work.
							2014 Assessment: No changes reported.
							2015, 2016, 2018, 2019, 2021 Assessment: No changes reported. No reported problems.

2022 Assessment: Renovations and additions nearing completion. No reported problems.

Area: 23,152sf

Use Types: 40 % Lab

60 % Classroom

Notes: 2015-Formerly called Instruction East

Bldg. No: 06

Building: Kenneth J. Smith Instructional Building Yr Built: 1966

Floors: 2

2007-Renovated as part of Ash Building project

2005-Building scheduled for major renovation as part of planned addition in 2006-2007

	CRV	of System	Pct. of sys	stem value to budg	et for repair/replac	cement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Voice/Data	5	\$463,325	0	0	10	90	Recently updated
			\$0	\$0	\$46,333	\$416,993	
							2007 Assessment:No changes. No reported problems.
							2009-2014 assessment:No changes reported. No reported problems.
							2015, 2018, 2019, 2021 Assessment: No changes reported. No reported problems.
							2022 Assessment: Renovations and additions nearing completion. No reported problems.
Ceilings	3	\$277,995	0	0	20	80	Most new.
			\$0	\$0	\$55,599	\$222,396	Some areas beginning to show signs of sagging, possibly caused by humidity.
							2007 Assessment:
							Ceilings replaced with 2x2 lay-in as part of sprinkler system installation.
							2009-2014 assessment:No changes reported. No reported problems.
							2015, 2018, 2019, 2021 Assessment: No changes reported. No reported problems.
							2022 Assessment: Renovations and additions nearing completion. No reported problems.
Valls/Casework	2	\$185,330	0	0	20	80	Masonry corridor walls, balance of walls painted gypsum - recently repainted.
			\$0	\$0	\$37,066	\$148,264	
							2007 Assessment: minimal wall removal/addition as part of renovation.
							Interior walls repainted.
							2009-2014 assessment:No changes reported. No reported problems.
							2015, 2018, 2019, 2021 assessment: No changes reported. No reported problems.
							2022 Assessment: Renovations and additions nearing completion. No reported problems.

Bldg. No: 06
Building: Kenneth J. Smith Instructional Building

Use Types: 40 % Lab 60 % Classroom Notes: 2015-Formerly called Instruction East 2007-Renovated as part of Ash Building project

2005-Building scheduled for major renovation as part of planned addition in 2006-2007

2022 Assessment: Renovations and additions nearing completion. No reported problems.

Minor renovation in 1999.

Area: 23,152sf Yr Built: 1966 Floors: 2

	CRV	of System	Pct. of sy	stem value to budg	et for repair/replac	cement:	
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Doors	2	\$185,330	0 \$0	<b>0</b> \$0	10 \$18,533	90 \$166,797	Exterior: original hollow metal doors
			Ψ	ΨΟ	ψ10,000	Ψ100,101	2005-hinges and hardware failing and deteriorating, doors rusting at bottoms, due for replacement.
							Interior: Original solid core wood doors. Finish worn ,some swelling.
							2007 Assessment: Exterior: (3) exterior doors replaced
							Interior: (3) new doors added, (2) removed.
							2009-2012 assessment:No changes reported. No reported problems.
							2013 assessment: Classroom door hardware changed to lockdown type for security.
							2014 Assessment: No changes reported.
							2015, 2018, 2019, 2021 assessment: No changes reported. No reported problems.

Use Types:

Notes: 2015-Formerly called Instruction East 40 % Lab 2007-Renovated as part of Ash Building project 60 % Classroom

Building: Kenneth J. Smith Instructional Building

2005-Building scheduled for major renovation as part of planned addition in 2006-2007

Area: 23,152sf Yr Built: 1966 Floors: 2

	CRV	of System	Pct. of sys	stem value to bud	get for repair/replac	ement:	
ystem	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
loors	3	\$277,995	0	0	20	80	Quarry tile in corridors, no reported problems.
			\$0	\$0	\$55,599	\$222,396	Some new carpet, new VCT.
							2004-Some offices still need new carpet.
							2007 Assessment:
							flooring replaced as required by renovation.
							Sheet vinyl installed in labs.
							VCT installed in small portions of classrooms (near sinks).
							Carpet installed in office, some classrooms.
							2009-2014 assessment:No changes reported. No reported problems.
							2015 assessment: No changes reported. No reported problems.
							2018 Assessment: No changes reported. No reported problems.
							Carpet replacement in selected area.
							2019 Assessment: No changes reported. No reported problems.
							2021 Assessment: No changes reported. No reported problems.
							2022 Assessment: Renovations and additions nearing completion. No reported problems.
Bldg., Fire, ADA, Elevators	2	\$185,330	0	0	10	90	Stairway doors propped open on lower level.
			\$0	\$0	\$18,533	\$166,797	Unisex ADA toilet room added.
							New fire alarm system.
							Elevator installed in 1999, no reported problems
							2007 Assessment:
							New exit signage added. Existing emergency lighting remains.
							Connection to Ash Building resolves ADA toilet room issues.
							2009-2014 assessment:No changes reported. No reported problems.
							2015 assessment: No changes reported. No reported problems.
							2018 Assessment: No changes reported. No reported problems.

2021 Assessment: No changes reported. No reported problems.

2022 Assessment: Renovations and additions nearing completion. No reported problems.

Use Types:

Notes: 2015-Formerly called Instruction East

Bldg. No: 06

40 % Lab

2007-Renovated as part of Ash Building project

Building: Kenneth J. Smith Instructional Building Area: 23,152sf

Yr Built: 1966

60 % Classroom Floors: 2

2005-Building scheduled for major renovation as part of planned addition in 2006-2007

	CRV	of System	Pct. of sys	tem value to budg	et for repair/repla	cement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Immed. Site, Ext. Ltg., etc	3	\$230,684	0	0	10		No reported problems
			\$0	\$0	\$23,068	\$207,616	2007 Assessment: Sitework performed as part of Ash Building construction. No reported problems.
							2009-2014 assessment:No changes reported. No reported problems.
							2015, 2018, 2019, 2021 assessment: No changes reported. No reported problems.
							2022 Assessment: Renovations and additions nearing completion. No reported problems.

CRV Totals:	100	\$9,266,500	\$0	\$0	\$667,090	\$8,482,600	\$9,149,690				
	Priority I	ssues Da	ta			0-5 Year	Cumulativ	e Data			
	\$9,266,500	\$0	\$0	0.0%	GOOD	\$0	\$0	0.0%	\$185,330	FAIR	
	CRV	DMB	EXCESS	FCI	RATING	DMB	EXCESS	FCI	\$/YR MAINTAIN	RATING	

Use Types:

Notes: 2007-majority of building renovated. North and south exterior walls replaced.

One classroom renovated in 2001.

Bldg. No: 07

100% Vo/Tech

2005-Building scheduled for major repairs and renovation as part of Instruction East work in 2006-2007

2019, 2021-2022 Assessment: No changes reported. No reported problems.

**Building: Instruction North** 

Area: 21,780sf

Yr Built: 1968 F

	CRV (	of System	Pct. of sy	stem value to budg	et for repair/replac	ement:	
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
tructure	12	\$517,680	<b>0</b> \$0	0 \$0	<b>5</b> \$25,884	95 \$491,796	Unprotected steel structure with block infill.
			40	40	\$20,007	<i>\$101,100</i>	2000-Some cracks in walls, some blocks replaced, still some water infiltration.
							2003-severe exterior wall damage - see cladding notes.
							2007 assessment: Structure at exterior walls modified as part of renovation -
							exterior wall was providing lateral support.  Exterior column deterioration (due to water infiltration) repaired.
							Water infiltration problems resolved as part of renovation.
							2009-2014 assessment:No changes reported. No reported problem
							2015 Assessment: No changes reported. No reported problems.
							2018 Assessment: Building in good structural condition, no deficiencies noted.

Use Types:

Notes: 2007-majority of building renovated. North and south exterior walls replaced.

One classroom renovated in 2001.

Bldg. No: 07

100% Vo/Tech

2005-Building scheduled for major repairs and renovation as part of Instruction East work in 2006-2007

2022 Assessment: No reported problems. Roof replacement within next five years.

**Building: Instruction North** 

Area: 21,780sf

Yr Built: 1968 Flo

	CRV	of System	Pct. of sy	stem value to bud	jet for repair/replac	ement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Roof	7	\$301,980	0	70	0	30	Trocal roof in 1998
			\$0	\$211,386	\$0	\$90,594	2003-icecicles and roof runoff clinging to drip edge (covered over with Trocal roof), running down wall and into mortar joints, causing severe wall damage.  Lack of gutters exacerbating problem.
							2007 assessment: Gutters and downspouts added. No reported problems
							2009 Assessment:No changes reported.
							2010 Assessment:No changes reported.
							2011 assessment: Minor roof leaks repaired as part of annual maintenance. Roof inspected annually, no reported problems, but roof nearing end of expected life.
							2012 assessment:No changes reported.
							2013 assessment:No changes reported.
							2014 assessment: Roof inspected, due for replacement within 5 years.
							2015 assessment: Roof membrane near end of expected life. Projected roof membrane replacement from roof report: 2019
							2018 Assessment: Single-ply membrane with insulation. Roof replacement scheduled in 2024.
							2019, 2021 Assessment: No changes reported. No reported problems.

Use Types: 100% Vo/Tech

Notes: 2007-majority of building renovated. North and south exterior walls replaced.

Bldg. No: 07

**Building: Instruction North** 

2005-Building scheduled for major repairs and renovation as part of Instruction East work in 2006-2007

One classroom renovated in 2001.

Area: 21,780sf Yr Built: 1968 Floors: 1

	CRV	of System	Pct. of sys	stem value to bud	jet for repair/replac	ement:	
System	%	S	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Glazing	5	\$215,700	<b>0</b> \$0	5 \$10,785	<b>5</b> \$10,785	<b>90</b> \$194,130	Minimal original alum frame single pane, in fair condition, resealed in 2000.
							2007 assessment: All exterior windows in north and south walls replaced with insulated aluminum frame units as part of renovation. Windows in east wall not replaced (minimal)
							2009-2014 Assessment:No changes reported.
							2015 Assessment: No changes reported.
							2018, 2019, 2021 Assessment: No changes reported. No reported problems.
							2022 Assessment:
Cladding	15	\$647,100	0	5	5		Block. Repainted, waterproofed and caulked in 2001-Monitor condition for
			\$0	\$32,355	\$32,355	\$582,390	2001-recurring leaking problems.
							2002-entry canopy repaired
							2003-water infiltration problem continues, block severely damaged (spalled,
							shattered, growing algae) from roof runoff at most exterior door jambs on north and south sides of building. concrete lintels also showing damage.
							Deep raked mortar joints allowing water into block and spalling of block surface.
							Repair or replacement of damaged block required. Roof condition will also require repair to avoid future damage.
							2007 assessment: North and south exterior concrete block walls replaced with
							prefinished metal siding and concrete block base.  All remaining walls cleaned, repaired as required, and repainted.
							2009-2016 Assessment: No changes reported. No reported problems.
							2018-2019, 2021-2022 Assessment: No changes reported. No reported problems.

Use Types:

Notes: 2007-majority of building renovated. North and south exterior walls replaced.

Bldg. No: 07

100% Vo/Tech

2005-Building scheduled for major repairs and renovation as part of Instruction East work in 2006-2007

**Building: Instruction North** 

Area: 21,780sf

Floors: 1

Yr Built: 1968

One dassroom renovated in 2001.

	CRV	of System	Pct. of sys	stem value to bud	jet for repair/replac	ement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
HVAC	20	\$862,800	0	5	5	90	Original (steam from power plant building) - in poor but working condition,
			\$0	\$43,140	\$43,140	\$776,520	building is heated, although not properly.
							2003-steam pipes reported in poor condition, failures often require removal of
							several feet of deteriorated pipe. Some AHU's non-functioning and disconnected.
							A/C only provided to a few classrooms - most DX units at end of life.
							2005-One DX unit has failed, but repairs not planned due to upcoming
							proposed renovation. Some fin tube units damaged. Most ceiling mounted unit heaters
							not working. Inadequate ventilation in darkroom, clay mixing area and kiln area.
							2003-Unit ventilator in one classroom replaced.
							2007 Assessment:
							East half of building - piping, units and controls replaced. No reported problems.
							Steam line repaired and reinsulated as required.
							(2) mezzanine-mounted AHU's provide heating and cooling in east half of building.
							Cooling: (2) ground mounted Trane DX units added.
							Ceiling mounted gas-fired heaters added at overhead door locations.  West half of building-existing unit heaters reused, controls minimal. No reported problems.
							west riall of building-existing unit neaters reused, controls minimal. No reported problems.
							2009 Assessment: No changes reported.
							2010 Assessment: Gas meter systems replaced by Consumers Energy.
							2011 assessment:No changes reported. Older HVAC equipment still
							operating, but past end of useful life and due for replacement.
							2012 assessment: System controls on newer HVAC equipment upgraded to
							DDC as part of new energy management system. Actuators on dampers and control valves replaced as required.
							2013-2015 Assessment: No changes reported. Older HVAC equipment still
							operating, but past end of useful life and due for replacement.

Campus: Main Bldg. No: 07 Use Types: 100% Vo/Tech

Notes: 2007-majority of building renovated. North and south exterior walls replaced.

2005-Building scheduled for major repairs and renovation as part of Instruction East work in 2006-2007

**Building: Instruction North** 

Floors: 1

Area: 21,780sf

Yr Built: 1968

	One classroom renovated in 2001.
1	

System	CRV (	of System	Pct. of system value to budget for repair/replacement:				
	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
HVAC (continued)	20	\$862,800	0	0	0	0	2016 Assessment: No changes reported.
			\$0	\$0	\$0	\$0	2018 Assessment:  The HVAC system is a combination of classroom unit ventilators and air handling units served by hot water heating split DX A/C outoor condensing units.  The building is a metal building with minimal insulation and is currently under-utilized.  Shop Classrooms appear to have minimum heat and ventilation (served by overhead doors) Recommend old steam radiators (at shop classrooms/storage) to be replaced with hot water.  Gas fired unit heaters are to remain.  Steam and condensate services enter into the building, are converted to hot water heating and mainly serve perimeter fin tube or hot water coils located in central AHUs.  East offices areas are served by wall hung split air conditioning units which appear in good working condition.
							2021 Assessment: No changes reported. No reported problems.

2022 Assessment: Steam pipes need to be replaced.

Use Types:

Notes: 2007-majority of building renovated. North and south exterior walls replaced.

2005-Building scheduled for major repairs and renovation as part of Instruction East work in 2006-2007

Bldg. No: 07

**Building: Instruction North** 

100% Vo/Tech

One classroom renovated in 2001.

Area: 21,780sf  System	Yr Built: 1968 CRV of System		Floors: 1				
			Pct. of system value to budget for repair/replacement:				
	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Plumbing/Drainage	5	\$215,700	<b>0</b> \$0	5 \$10,785	<b>5</b> \$10,785	<b>90</b> \$194,130	
							2005-New hand sink installed in facilities work area.  2007 Assessment: East half of building - all new plumbing, toilet rooms and art sinks.  No reported problems. Trench drains removed and infilled with concrete. West half of building - existing toilet rooms remain, in poor condition. Due for renovation or removal.  2009-2015 Assessment: No changes reported. West half - older toilet rooms remain.  2016 Assessment: No changes reported.  2018-2019, 2021-2022 Assessment: No changes reported. No reported problems.
Primary/Secondary	8	\$345,120	<b>0</b> \$0	<b>5</b> \$17,256	<b>5</b> \$17,256	90 \$310,608	Original - in working condition, capacity available  2007 assessment: No reported problems  2009 Assessment: No changes reported.  2010 assessment: Campus primary service upgraded by Consumers Energy to provide additional capacity.  2011-2015 Assessment: No changes reported. No reported problems.  2016 Assessment: No changes reported. No reported problems.

2019, 2021 Assessment: No changes reported. No reported problems.

system, National Time & Signal 902 series, with no issues.

with possible leak. A sticker indicates it has been tested clear of PCBs.

2022 Assessment: Primary service may need to be redesigned and replaced.

2018 Assessment: The building is powered by a pad-mounted transformer, which serves 480/277V to a main 600A panel on the mezzanine. The transformer appears old, rusted,

Recommend full electrical testing on this transformer to help in determining remaining useful life and budgeting for its replacement. The building has an existing manual fire alarm

Use Types: 100% Vo/Tech Notes: 2007-majority of building renovated. North and south exterior walls replaced.

Bldg. No: 07

Building: Instruction North

2005-Building scheduled for major repairs and renovation as part of Instruction East work in 2006-2007

2019, 2021-2022 Assessment: No changes reported. No reported problems.

One classroom renovated in 2001.

Area: 21,780sf Yr Built: 1968 Floors:1

	CRV (	of System	Pct. of sys	stem value to budç	jet for repair/replac	cement:	
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Distribution	5	\$215,700	<b>5</b> \$10,785	5 \$10,785	<b>5</b> \$10,785	<b>85</b> \$183,345	Original - in working condition, but most panels are obsolete Federal-Pacific
							2007 assessment: East half of building - all power and lighting panels replaced. West half of building - original Federal Pacific panels remain. (2) near end of life and scheduled for replacement.
							2009 Assessment: All distribution panels upgraded, no reported problems.
							2010-2015 Assessment: No changes reported. No reported problems.
							2016 Assessment: No changes reported. No reported problems.
							2018 Assessment: Some branch panelboards in the building are Federal Pacific brand
							have known issues with the failure of breakers to trip in fault conditions.  Recommend replacement of all such panels for life safety reasons.

Use Types: 100% Vo/Tech Notes: 2007-majority of building renovated. North and south exterior walls replaced.

One classroom renovated in 2001.

Bldg. No: 07

2005-Building scheduled for major repairs and renovation as part of Instruction East work in 2006-2007

**Building: Instruction North** 

Area: 21,780sf

Yr Built: 1968 Floors:1

ro.1

	CRV	of System	Pct. of sys	stem value to bud	get for repair/replac	cement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
ighting	5	\$215,700	0	5	5		Majority original T12, working, with no more than typical ballast replacement.
			\$0	\$10,785	\$10,785	\$194,130	2007 assessment: East half of building - all lighting replaced with T8 fixtures. No "Darkroom in use" warning light installed outside darkroom door.
							West half of building - original lighting remains. No reported problems 2009-2011 Assessment:No changes reported.
							2012 assessment:No changes reported. Lighting upgrades not required.
							2013-2015 Assessment: No changes reported. No reported problems.
							2016 Assessment: No changes reported. No reported problems.
							2018 Assessment: Majority of lighting is T8 linear fluorescent, though some T12 lamps. T12 have been phased out due to energy efficiency, these should be replaced with LEDs. Exterior wall packs are compact fluorescent with battery packs. While previously appropriate, these are not the best solution for exterior lighting in northern climate, as it is difficult to start in cold weather with light output significantly reduced Recommend replacement with LED wall packs.
							2019, 2021 Assessment: No changes reported. No reported problems.
							2022 Assessment: Replace lighting with LED in the next 5 years
oice/Data	3	\$129,420	<b>0</b> \$0	0 \$0	15 \$19,413		No reported problems
			φU	\$0	φ1 <del>9</del> ,413	\$110,007	2007 assessment: System upgraded in east half of building. No reported problems.
							2009-2015 Assessment: No changes reported. No reported problems.
							2016, 2018, 2019, 2021 Assessment: No changes reported. No reported problems.
							2022 Assessment: Building access control upgraded. No reported problems.

Campus: Main Use Types: Notes: 2007-majority of building renovated. North and south exterior walls replaced.

Bldg. No: 07 100% Vo/Tech 2005-Building scheduled for major repairs and renovation as part of Instruction East work in 2006-2007

**Building: Instruction North** 

Area: 21,780sf Yr Built: 1968

Floors: 1

	CRV (	of System	Pct. of sy	stem value to budg	jet for repair/replac	ement:	
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Ceilings	1	\$43,140	5	5	5	85	Mostly open to deck, some suspended ceiling (replaced in 2000-2001).
			\$2,157	\$2,157	\$2,157	\$36,669	
							2007 assessment: East half of building - Underside of deck cleaned and repainted.  Minimal lay-in ceiling added as required.
							West half of building - no changes, no reported problems.
							2009-2015 Assessment: No changes reported. No reported problems.
							2016, 2018, 2019, 2021-2022 Assessment: No changes reported. No reported problems.
Walls/Casework	4	\$172,560	5	5	5	85	Interior walls recently repainted, monitor condition for recurring problems.
			\$8,628	\$8,628	\$8,628	\$146,676	
							2003 - water problems in exterior walls damaging paint.
							2007 assessment: East half of building - walls removed/built as necessary for
							renovation work. Remaining walls repainted. West half of building - no changes.
							2009-2016 Assessment: No changes reported. No reported problems.
							2018-2019, 2021-2022 Assessment: No changes reported. No reported problems.

One classroom renovated in 2001.

Use Types:

Notes: 2007-majority of building renovated. North and south exterior walls replaced.

2005-Building scheduled for major repairs and renovation as part of Instruction East work in 2006-2007

2019, 2021-2022 Assessment: No changes reported. No reported problems.

Bldg. No: 07

Building: Instruction North

100% Vo/Tech

One dassroom renovated in 2001.

Area: 21,780sf Yr Built: 1968 Floors: 1

	ODU	of Overton	Det cf	dam value da biid	et for rendin/n!		
System	CKV	of System S	PCT. OT SYS Immediate	stem value to buog 1-5 <b>Years</b>	pet for repair/replac <b>6-10 Years</b>		System/Component Notes
Doors	3	\$129,420	5	5	5		Exterior hollow metal doors rusting, sills deteriorating, a few replaced in 1998.
70013	J	Ψ123,420	\$6,471	\$6,471	\$6,471	\$110,007	Extends fioliow flotal additionally, said actendrating, a few replaced in 1990.
			72,	7-,	7-7,	7,	2002-main OH door replaced, others OK.
							Damage to lintels and jambs may require removal of doors to repair. Interior doors OK.
							2007 assessment: All exterior man and overhead doors and frames replaced.
							East half of building - interior doors replaced.
							West half of building - interior doors remain as is, no reported problems.
							2009-2013 Assessment:No changes reported.
							2014 assessment: Classroom door hardware changed to lockdown type for security.
							2015 Assessment: No changes reported. No reported problems.
							2016 Assessment: No changes reported. No reported problems.
							2018 Assessment: Select doors need to be replaced.
							2019, 2021-2022 Assessment: No changes reported. No reported problems.
Floors	3	\$129,420	5	5	5		concrete - OK
			\$6,471	\$6,471	\$6,471	\$110,007	2007 assessment: East half of building - floors patched and coated with epoxy.
							Exiting trench drains removed and infilled with concrete.
							Carpet installed in offices and classroom.
							West half of building - no changes, no reported problems.
							Trock hall of ballating the entanges, the reported problems.
							2009-2015 Assessment: No changes reported. No reported problems.
							2016 Assessment: No changes reported. No reported problems.
							2018 Assessment: No changes reported. No reported problems.
							Concrete slab-on-grade.

Use Types: 100% Vo/Tech Notes: 2007-majority of building renovated. North and south exterior walls replaced.

One classroom renovated in 2001.

Bldg. No: 07

2005-Building scheduled for major repairs and renovation as part of Instruction East work in 2006-2007

**Building: Instruction North** 

Area: 21,780sf

Yr Built: 1968

Floors: 1

	CRV (	of System	Pct. of sys	stem value to budg	jet for repair/replac	ement:	
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Bldg., Fire, ADA, Elevators	2	\$86,280	<b>5</b> \$4,314	<b>5</b> \$4,314	<b>5</b> \$4,314		Fire alarms updated. Toilets not ADA, but space exists to rework. Exit signs replaced. No sprinkler system.
							2007 assessment: East half of building: Fire alarm upgraded as required by renovation.
							Emergency and exit lighting upgraded as required by renovation.  No sprinkler system.  ADA toilet rooms added.
							West half of building - no changes, no reported problems. 2009 Assessment:No changes reported.
							2010 Assessment: ADA door openers added to toilet rooms.
							2011-2015 Assessment: No changes reported. No reported problems.
							2016, 2018, 2019, 2021 Assessment: No changes reported. No reported problems.
							2022 Assessment: No reported problems.
mmed. Site, Ext. Ltg., etc	2	\$86,280	5 \$4,314	5 \$4,314	<b>5</b> \$4,314	<b>85</b> \$73,338	Paving problems - some deterioration of sidewalks
			ψ,,σ	ψ.,σ	<i>ψ.</i> ,σ	ψ, σ,σσσ	2003-lot resealed and restriped.
							2007 assessment: concrete sidewalks on south side of building replaced. No reported problems.
							2009-2015 Assessment: No changes reported. No reported problems.
							2016 Assessment: No changes reported. No reported problems.
							2018 Assessment: Asphalt paving is in poor condition and should be replaced.
							2019, 2021-2022 Assessment: No changes reported. No reported problems.

Campus: Main Use Types: Notes: 2007-majority of building renovated. North and south exterior walls replaced.

GOOD

**RATING** 

1.0%

FCI

Bldg. No: 07 100% Vo/Tech 2005-Building scheduled for major repairs and renovation as part of Instruction East work in 2006-2007

**Building: Instruction North** 

Area: 21,780sf Yr Built: 1968

\$4,314,000

**CRV** 

\$43,140

DMB

Floors: 1

\$0

**EXCESS** 

	CR	RV of System	Pct. of sy	stem value to budg	get for repair/repl	placement:	
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
CRV Totals:	100	\$4,314,000	\$43,140	\$379,632	\$213,543	\$3,677,685	\$4,314,000

\$422,772

DMB

One classroom renovated in 2001.

\$437,739

**EXCESS** 

9.8%

FCI

\$86,280

\$/YR MAINTAIN

FAIR

RATING

Use Types: 55 % Auditorium Notes:

2015-Formerly called Instruction West

Bldg. No: 08

**Building: Les Morford Instructional Building** 

2007-covered walkway to Ash Building added.

45 % Classroom

Vr Built: 1060

Area: 11,18451	Yr Bui	IT: 1969	Floors: 1				
	CRV	of System	Pct. of sy	stem value to budg	jet for repair/replac	ement:	
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Structure	15	\$502,560	0	5	10	85	No reported problems
			\$0	\$25,128	\$50,256	\$427,176	
							2007 assessment:No changes. No reported problems.

2016 Assessment: No changes reported. No reported problems.

2009-2015 Assessment: No changes reported. No reported problems.

2018 Assessment: Penthouse screen wall support steel has significant corrosion - will need cleaning and paint.

Penthouse block cracked at support steel bearing due to thermal expansion contraction - slide bearing will be required to prevent continued deterioration

Efflorescence on face of Penthouse block indicates moisture penetration into wall - block should be painted or sealed. Possible clogged roof drain on Penthouse roof.

2019, 2021-2022 Assessment: No changes reported. No reported problems.

Roof	5	\$167,520	0	90	10	
			\$0	\$150.768	\$16 752	

0 Firestone EPDM in 1999

2005 - some flashing due for replacement

2007 assessment:

Flashing problems resolved during construction of covered walkway to Ash Building.

2009 Assessment: No changes reported.

2010 Assessment: Minor roof leaks discovered, repaired under warranty.

2011 assessment: Leaks Resolved.

Roof inspected annually, no reported problems, but roof past half of expected life.

2012 assessment: No changes reported.

2013 assessment: Minor roof leaks at penthouse on west side. Extending membrane up to wall flashing to eliminate leaks.

2014 assessment: Roof inspected, repaired with new RTU installation.

2015 assessment: Projected roof membrane replacement from roof report: 2024

2016 Assessment: No changes reported. No reported problems.

2018 Assessment: Roof scheduled for replacement in 2024.

2019 Assessment: No changes reported. No reported problems.

2021 Assessment: No changes reported. No reported problems.

Projected roof replacement in 2026.

2022 Assessment: Projected replacement in 2026. No reported problems.

Glazing	5	\$167,520	0	0	15	85	Original - good condition
			\$0	\$0	\$25,128	\$142,392	
							2007 assessment:No changes. No reported problems.
							2009 -2015 Assessment: No changes reported. No reported problems.
							2000 -2010 Assessment. No changes reported. No reported problems.
							2016, 2018-2019, 2021-2022 Assessment: No changes reported. No reported problems.
Cladding	5	\$167,520	0	0	5	95	Brick, No reported problems
			\$0	\$0	\$8,376	\$159,144	

2007 assessment:No changes. No reported problems.

2009-2016 Assessment: No changes reported. No reported problems.

2018-2019, 2021-2022 Assessment: No changes reported. No reported problems.

Use Types: 55 % Auditorium Notes: 2015-Formerly called Instruction West

Bldg. No: 08

**Building: Les Morford Instructional Building** 

2007-covered walkway to Ash Building added.

Area: 11,184sf

Yr Built: 1969

45 % Classroom

Floors: 1

	CRV	of System	Pct. of sy	stem value to budg	get for repair/replac	ement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
HVAC	25	\$837,600	0	5	20	75	(2) AHU's in penthouse
			\$0	\$41,880	\$167,520	\$628,200	(2) rooftop condenser units for AC.
							Original Pneumatic controls at end of life
							2003-some piping deterioration possible - continue to monitor condition
							2004-major system components due for replacement (\$225,000), scheduled for 2006
							2007 assessment: system components scheduled for replacement not yet done.
							steam line to building replaced.  (2) AHU's in penthouse original, at end of life, due for replacement.
							(2) rooftop condenser units original, at end of life, due for replacement.
							Coolant leaks slowly, but units functioning. Pneumatic controls functioning.
							2009 Assessment:No changes reported.
							2010 Assessment: Gas meter systems replaced by Consumers Energy.
							HVAC system still due for upgrade / replacement.
							2011 assessment:No changes reported. HVAC system still due for upgrade / replacement.
							2012 assessment:
							Majority of HVAC system replaced as part of ECM contract (\$200,000): New
							Trane heat pump/steam coil RTU's, controls, VAV units, actuators, dampers, water pumps. Distribution ductwork reworked as required for new system.
							2013 assessment: Building now on campus-wide Building Automation System.

2014 - 2015 Assessment: No changes reported. No reported problems.

Use Types:

Notes:

2015-Formerly called Instruction West

2012 Assessment: New water heater installed.

upgrades to the current Mansard roof system.

for meet ADA goals. Urinals replaced.

2013 assessment: Toilet rooms renovated and fixtures relocated as necessary

2014-2015, 2016 Assessment: No changes reported. No reported problems.

2018 Assessment: Recommend new roof drains and overflow drains at time of roof

Bldg. No: 08

**Building: Les Morford Instructional Building** 

55 % Auditorium 45 % Classroom 2007-covered walkway to Ash Building added.

Area: 11,184sf

Yr Built: 1969

Floors: 1

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	CRV	of System	Pct. of sys	tem value to budg	jet for repair/replac	ement:	
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
IVAC (continued)	25	\$837,600	0	0	0	0	2016 Assessment: No changes reported. No reported problems.
			\$0	\$0	\$0	\$0	
							2018 Assessment:
							Steam is supplied to the building with a hot water converter used for the Building's primary heating system at the perimeter of the building.
							Steam heating AHUs are to be replaced with new hot water system that currently serves
							the auditorium.
							Existing gas-fired RTU model TCH301F400AD was installed in 2012.
							The air condition does not operate with no demand for cooling in the space.
							Recommend controls upgrade for the HVAC systems serving the entries to
							incorporate security access control.
							Recommend control upgrades to be integrsated into the Campus BEMS.
							Domestic hot water heater is electric. The School District should consider a new gasfired water heater in the future for energy savings.
							(The existing gas service appears to be a 3" piped into the Classroom building)
							2019 Assessment: 4 heaters replaced. No problems reported.
							2021 Assessment: No changes reported. No reported problems.
							2022 Assessment: Unit ventilators and VAV boxes were replaced
Plumbing/Drainage	5	\$167,520	0	5	20	75	Plumbing fixtures and associated exposed plumbing recently replaced.
			\$0	\$8,376	\$33,504	\$125,640	
							2007 assessment:No changes. No reported problems.
							2009-2011 Assessment:No changes reported.

2019, 2021-2022 Assessment: No changes reported. No reported problems.

Use Types: 55 % Auditorium Notes: 2015-Formerly called Instruction West

2022 Assessment:

Bldg. No: 08

**Building: Les Morford Instructional Building** 

2007-covered walkway to Ash Building added.

45 % Classroom

Yr Built: 1969 Area: 11,184sf Floors: 1

	CRV	of System	Pct. of sy	stem value to bud	get for repair/replac	cement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Primary/Secondary	10	\$335,040	0	0	10	90	No reported problems
			\$0	\$0	\$33,504	\$301,536	
							2007 assessment:No changes. No reported problems.
							2009 Assessment:No changes reported.
							2010 assessment: Campus primary service upgraded by Consumers Energy to
							provide additional capacity.
							2011-2015 Assessment: No changes reported. No reported problems.
							2016 Assessment: No changes reported. No reported problems.
							2018 Assessment: The main panel is a new Eaton PRL3a panel serving the building
							200A at 480/277V, 3 phase. The source of this 480V is not apparent, though it is likely
							fed from the unit substation in the basement of the Smith Building.
							The existing fire alarm system head-end is upgraded to a National Time & Signal PT
							series, but many of the devices are original.
							The pull stations are not at a height that complies with current ADA requirements.
							2019 Assessment: No changes reported. No reported problems.
							2021 Assessment: No changes reported. No reported problems.

Use Types: 55 % Auditorium Notes: 201

2015-Formerly called Instruction West 2007-covered walkway to Ash Building added.

**Building: Les Morford Instructional Building** 

45 % Classroom

Area: 11,184sf

Yr Built: 1969 Floors: 1

	CRV	of System	Pct. of sys	stem value to bud	jet for repair/replac	ement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
istribution	5	\$167,520	<b>0</b> \$0	<b>5</b> \$8,376	<b>5</b> \$8,376	90 \$150,768	No reported problems
			<b>4</b> 0	φο,στο	φο,σ.	φ. 100, 100	2007 assessment:No changes. No reported problems.
							2009-2016 Assessment: No changes reported. No reported problems.
							2018-2019, 2021-2022 Assessment: No changes reported. No reported problems.
ghting	5	\$167,520	5	5	5	85	Corridor lighting replaced in 2001.
, ,			\$8,376	\$8,376	\$8,376		Auditorium lighting funded for replacement with compact fluorescent.
							2007 assessment: recessed can lighting in auditorium upgraded to compact fluorescent.
							2009 Assessment:No changes reported.
							2010 Assessment: A few T12 fixtures remain, due for upgrade to T8
							2011 assessment:No changes reported.
							2012 assessment: Lighting upgraded as part of ECM contract.
							2013 assessment: occupancy sensors added to control classroom lighting.
							2014-2015 Assessment: No changes reported. No reported problems.
							2016 Assessment: No changes reported. No reported problems.
							2018 Assessment: Lighting is mainly T8 fluorescent.  Recommend replacement with LED technology and upgraded lighting controls as budget allows to lower operating and energy costs.  Emergency lighting is served throughout using unit battery "bugeye" style fixtures.
							Future lighting upgrades will trigger an upgrade to current life safety code requirements.  2019, 2021 Assessment: No changes reported. No reported problems.
							2022 Assessment: No changes reported. No reported problems. Replace lighting in nex

Use Types: 55 % Auditorium Notes:

2015-Formerly called Instruction West

2007-covered walkway to Ash Building added.

Bldg. No: 08

**Building: Les Morford Instructional Building** 

45 % Classroom

Area: 11,184sf Yr Built: 19

Yr Built: 1969 Floors:1

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% Classroc

	CRV	of System	Pct. of sy	stem value to budg	et for repair/replac	ement:	
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Voice/Data	5	\$167,520	0	0	5	95	Recently upgraded
			\$0	\$0	\$8,376	\$159,144	
							2007 assessment:No changes. No reported problems.
							2009-2016 Assessment: No changes reported. No reported problems.
							2018-2019, 2021-2022 Assessment: No changes reported. No reported problems.
Ceilings	3	\$100,512	0	5	10	85	Corridor ceilings replaced as part of lighting upgrade.
			\$0	\$5,026	\$10,051	\$85,435	
							2007 assessment:No changes. No reported problems.
							2009-2012 Assessment:No changes reported.
							2013 assessment: toilet room ceilings replaced as part of renovation.
							2014-2016 Assessment: No changes reported. No reported problems.
							2018-2019, 2021-2022 Assessment: No changes reported. No reported problems.
Walls/Casework	2	\$67,008	0	5	10	85	Masonry corridor walls, balance of walls painted gypsum - recently repainted.
			\$0	\$3,350	\$6,701	\$56,957	2007 assessment:No changes. No reported problems.
							2009-2012 Assessment:No changes reported.
							2013 assessment: Toilet rooms renovated recently, including partitions, tiling, etc.
							2014-2016 Assessment: No changes reported. No reported problems.
							2018-2019, 2021-2022 Assessment: No changes reported. No reported problems.

Use Types: 55 % Auditorium

45 % Classroom

Notes: 2015-Formerly called Instruction West

Bldg. No: 08

**Building: Les Morford Instructional Building** 

2007-covered walkway to Ash Building added.

Ar

rea: 11,184sf	Yr Built: 1969	Floors: 1

	CRV o	f System	Pct. of sy	stem value to bud	jet for repair/replac	ement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Ooors	2	\$67,008	0	0	10	90	Exterior: Original hollow metal doors
			\$0	\$0	\$6,701	\$60,307	
							2005-hinges and hardware failing and deteriorating, doors rusting at bottoms, due for replacement.
							Interior: Original solid core wood doors. Finish worn ,some swelling.
							2007 assessment:
							Exterior doors cleaned, patched and repainted. Hardware and doors still due
							for replacement.
							Interior doors - no changes.
							2009 Assessment:No changes reported.
							2010 Assessment:No changes reported.
							2011 assessment: Exterior doors continuing to deteriorate. Doors and
							hardware are at end of their useful life and due for replacement.
							2012 assessment: Penthouse door replaced.
							2013 assessment: All classroom door hardware be changed to lockdown type for security.
							2014 Assessment: No changes reported.
							2015 Assessment: No changes reported.
							2016 Assessment: No changes reported. Exterior entrance doors continuing to
							deteriorate. Doors and hardware are at end of their useful life and due for replacement.
							2018 Assessment: No changes reported.
							2019 Assessment: No changes reported. No reported problems.

2021-2022 Assessment: No changes reported. No reported problems.

Use Types: 55 % Auditorium Notes:

2015-Formerly called Instruction West 2007-covered walkway to Ash Building added.

2007 assessment: No changes. No reported problems.

**Building: Les Morford Instructional Building** 

45 % Classroom

Area: 11,184sf Yr Built: 1969 Floors: 1

	CRV	of System	Pct. of sys	stem value to bud	get for repair/replace	ment:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Floors	3	\$100,512	0	35	15	50	Offices - carpet replaced in 2002.
			\$0	\$35,179	\$15,077	\$50,256	
							2007 Assessment: No changes. No reported problems.
							2009-2013 Assessment:No changes reported.
							2014 assessment: Office carpet due for replacement.
							2015 Assessment: No changes reported.
							2016 Assessment: No changes reported. Office carpet due for replacement.
							2018 Assessment: No changes reported.
							2019, 2021 Assessment: No changes reported. No reported problems.
							2022 Assessment: Floors need a facelift
Bldg., Fire, ADA, Elevators	2	\$67,008	0	5	5	90	Unisex ADA toilet room added in 1999.
			\$0	\$3,350	\$3,350	\$60,307	
							New fire alarm system
							2007 assessment:No changes. No reported problems.
							2009-2012 Assessment:No changes reported.
							2013 assessment: Toilet rooms upgraded to meet ADA guidelines. (\$55,000)
							2014-2016 Assessment: No changes reported. No reported problems.
							2018-2019, 2021 Assessment: No changes reported. No reported problems.
							2022 Assessment: ADA issues in lecture halls remain. No other reported problems.
Immed. Site, Ext. Ltg., etc	3	\$100,512	0	5	10	85	No reported problems
			\$0	\$5,026	\$10,051	\$85,435	

2009-2016 Assessment: No changes reported. No reported problems.

2018 Assessment: No changes reported. No problems reported. Selected sidewalks replaced in 2017.

2019, 2021-2022 Assessment: No changes reported. No reported problems.

	CRV	DMB	<b>EXCESS</b>	FCI	RATING	DMB	EXCESS	FCI	\$/YR MAINTAIN	RATING	
	\$3,350,400	\$8,376	\$0	0.3%	GOOD	\$303,211	\$135,691	9.1%	\$67,008	FAIR	
	Priority	Issues D	ata			0-5 Year	Cumulati	ve Data			
CRV Totals:	100	\$3,350,400	\$8,376	\$294,835	\$412,099	\$2,635,090	\$3,350,400				

Use Types:

60 % Administration

Building: Donald C. Burns Library and Admin. Area: 28,720sf

Yr Built: 1966

Floors: 2

40 % Library

Notes: 2015-Formerly called LRC/Admin Building Complete interior renovation in 1999.

2019 - New writing lab completed at library

	CR	V of System	Pct. of sy	stem value to bud	jet for repair/repla	cement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Structure	15	\$1,289,970	0	0	5	95	No reported problems
			\$0	\$0	\$64,499	\$1,225,472	2007 assessment:No changes. No reported problems.
							2007 assessment. No changes. No reported problems.
							2009-2015 Assessment: No changes reported. No reported problems.
							2016 Assessment: No changes reported. No reported problems.
							2018 Assessment:
							Crack in concrete basement wall has been injected to prevent water leakage.
							Unsightly but not representative of structural deficiency.
							2019, 2021-2022 Assessment: No changes reported. No reported problems.
Roof	5	\$429,990	0	0	80		Single ply EPDM, installed in 1999, No reported problems.
			\$0	\$0	\$343,992	\$85,998	2007 assessment:No changes. No reported problems.
							2007 assessment to oranges. To reported problems.
							2009 -2010 Assessment: No changes reported.
							2011 assessment:Roof inspected annually, no reported problems, but roof past
							half of expected life.
							2012 -2014 assessment: Roof inspected, repaired as necessary.
							2015 Assessment: No changes reported.
							2016 Assessment: No changes reported. No known leaks,
							Projected roof membrane replacement from roof report: 2019
							2018 Assessment: Roof replacement scheduled in 2024.
							2019 Assessment: No changes reported. No reported problems.
							2021 Assessment: No changes reported. No reported problems.
							Projected roof replacement in 2026.
							2022 Assessment: No changes reported. No reported problems.

Use Types:

60 % Administration

Notes: 2015-Formerly called LRC/Admin Building Complete interior renovation in 1999.

Bldg. No: 09

Building: Donald C. Burns Library and Admin.

40 % Library

Area: 28.720sf

Yr Built: 1966

Floors: 2

Alea. 20,72051	II Dull	1. 1900	F10015. 2				
	CRV	of System	Pct. of sys	stem value to budg	et for repair/replac	cement:	
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Glazing	5	\$429,990	<b>0</b> \$0	<b>0</b> \$0	<b>10</b> \$42,999	<b>90</b> \$386,991	Mostly original, in good condition
							2007 assessment:No changes. No reported problems.
							2009-2011 Assessment:No changes reported.
							2012 assessment: Glass replaced on 3 offices in southwestern corner.
							2013-2016 Assessment: No changes reported. No reported problems.
							2018-2019, 2021-2022 Assessment: No changes reported. No reported problems.
Dadding	6	\$515,988	5	0	20	75	No reported problems
			\$25,799	\$0	\$103,198	\$386,991	
							2007 assessment:
							Brick screen wall surrounding chillers: brick at top of wall and at louvers are
							deteriorating - mortar loosening, some bricks loose, due for tuckpointing.
							2009-2010 Assessment:No changes reported.
							2011 assessment:No changes reported. Masonry at louvers still due for repair.

2016 assessment: Masonry at air louvers budgeted for repair in 2016.

2018, 2019, 2021 Assessment: No changes reported. No reported problems.

2022 Assessment: Stone repair work needed. No other reported problems or changes.

Use Types:

60 % Administration

Bldg. No: 09

Building: Donald C. Burns Library and Admin.

4

40 % Library

Area: 28,720sf

Yr Built: 1966 Floors: 2

	CR	V of System	Pct. of sys	stem value to bud	jet for repair/replac	cement:	
system	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
VAC	25	\$2,149,950	0	5	25	70	Replaced in 1999, No reported problems.
			\$0	\$107,498	\$537,488	\$1,504,965	Variable Frequency Drive controls failing, recently replaced.
							Library humidity requirements (low humidity) handled through overcooling of space.
							2007 assessment:No changes. No reported problems.
							2009 Assessment: 2008 - new reheat boiler installed to control building humidity
							(cost part of Doser Building reheat boiler install)
							2010 Assessment:
							Gas meter systems replaced by Consumers Energy.
							2011 assessment:No changes reported. No reported problems.
							2012 assessment: System controls upgraded to DDC as part of new energy
							management system. Dampers, actuators on control valves replaced as required.
							2013-2015 Assessment: No changes reported.
							2016 Assessment: No changes reported. No reported problems.
							2018 Assessment: The HVAC system is a combination of central AHU with hot water
							heating and chilled water cooling which require upgrades to their respective controls.
							Chilled water is supplied by an outdoor air-cooled chille (1999) using 25% ethylene glycol.
							The current outdoor chiller appears in good condition and will continue to provide 10 years. There is evidence of high humidity in the lower level library where ceiling tiles are sagging.
							Recommend CO2 controls for demand ventilation and de-humidification reheat added to
							the lower level AHUs. VFDs are on all motors and should be controlled.
							The building is fully DDC controlled with the standard campus BEMS system.
							The current AHU systems need to expand with controls upgrades.
							Steam and condensate services enter in to the building and converted to hot water heating
							The School is currently adding side stream filtration to the hot water circulation
							and distribution heating system to help improved water quality.
							Steam line improvements made in 2017.
							2019 Assessment: Entry heater replaced. No reported problems.

Notes: 2015-Formerly called LRC/Admin Building

Complete interior renovation in 1999.

2021-2022 Assessment: No changes reported. No reported problems.

Use Types: 40 % Library

60 % Administration

Building: Donald C. Burns Library and Admin.

Notes: 2015-Formerly called LRC/Admin Building Complete interior renovation in 1999.

Area: 28,720sf	Yr Buil	t: 1966	Floors: 2				
	CRV	of System	Pct. of sys	stem value to bud	jet for repair/replac	cement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Plumbing/Drainage	5	\$429,990	<b>0</b> \$0	<b>5</b> \$21,500	<b>20</b> \$85,998	<b>75</b> \$322,493	Some original roof drains, No reported problems  2007 assessment:No changes. No reported problems.
							2009-2014 assessment: No changes reported. No reported problems.
							2015 Assessment: No changes reported. No reported problems.
							2016 assessment:lower level flooded during heavy rainstorm in 2016.  Damage reported as minor.
							2018 Assessment: The building is a 2-story fully sprinkled building.
							2019, 2021-2022 Assessment: No changes reported. No reported problems.
Primary/Secondary	9	\$773,982	<b>0</b> \$0	<b>0</b> \$0	<b>20</b> \$154,796	<b>80</b> \$619,186	No reported problems
			40	<b>4</b> 0	<i>\$101,100</i>	<b>4070,700</b>	2007 assessment:No changes. No reported problems.
							2009 Assessment:No changes reported.
							2010 assessment: Campus primary service upgraded by Consumers Energy to provide additional capacity.
							2011-2015 Assessment: No changes reported. No reported problems.
							2016 Assessment: No changes reported. No reported problems.
							2018 Assessment: Power enters this building via a pad-mounted transformer on the north, fed from a S&C Electric pad-mounted primary switch with a PMH-6 configuration.

2019, 2021-2022 Assessment: No changes reported. No reported problems.

The fire alarm system is a newer National Time & Signal system, no issues found.

the "six disconnect rule" and has no single main switch or breaker.

The main electrical room seems to be lacking any emergency lighting.

Recommend adding this for worker safety.

480/277V power is delivered from a main panel on the lower level north end that utilizes

2022 Assessment:

Use Types:

60 % Administration

Notes: 2015-Formerly called LRC/Admin Building Complete interior renovation in 1999.

Building: Donald C. Burns Library and Admin.

40 % Library

Area: 28,720sf

Yr Built: 1966

Floors: 2

	CRV	of System	Pct. of sys	stem value to bud	get for repair/replac	cement:		
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes	
Distribution	4	\$343,992	0	10	15	75	No reported problems	
			\$0	\$34,399	\$51,599	\$257,994		
							2007 assessment:No changes. No reported problems.	
							2009-2015 Assessment: No changes reported. No reported problems.	
							2016, 2018, 2019, 2021 Assessment: No changes reported. No reported problems.	
							2022 Assessment:	
Lighting	5	\$429,990	5	5	10		No reported problems	
			\$21,500	\$21,500	\$42,999	\$343,992	2007 assessment:No changes. No reported problems.	
							2007 assessment. No changes. No reported problems.	
							2009-2011 Assessment: No changes reported.	
							2012 assessment: Exterior lighting upgraded as part of ECM contract.	
							2013-2015 Assessment: No changes reported. No reported problems.	
							2016 Assessment: No changes reported. No reported problems.	
							2018 Assessment: Lighting is a mixture of linear and compact fluorescent.	
							Recommend switchover to LED technology as remodel work happens.	
							2019, 2021 Assessment: No changes reported. No reported problems.	
							2022 Assessment: Lighting to be upgraded to LED over next five years.	
Voice/Data	5	\$429,990	10	5	5	80	New	
			\$42,999	\$21,500	\$21,500	\$343,992		
							2007 assessment:No changes. No reported problems.	
							2009-2016 Assessment: No changes reported. No reported problems.	
							2018-2019, 2021-2022 Assessment: No changes reported. No reported problems.	
							• • • • •	

Use Types:

60 % Administration

Building: Donald C. Burns Library and Admin.

40 % Library

Area: 28,720sf

Yr Built: 1966

Floors: 2

**Notes:** 2015-Formerly called LRC/Admin Building Complete interior renovation in 1999.

	CRV	of System	Pct. of sys	stem value to bud	jet for repair/replac	ement:	
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Ceilings	3	\$257,994	<b>0</b> \$0	<b>5</b> \$12,900	<b>15</b> \$38,699	<b>80</b> \$206,395	No reported problems
			<b>4</b> 0	<i>\$12,000</i>	<b>\$</b>	φ200,000	2007 assessment:No changes. No reported problems.
							2009-2015 Assessment: No changes reported. No reported problems.
							2016 Assessment: No changes reported. No reported problems.
							2018 Assessment: There is evidence of high humidity in the lower level library where ceiling tiles are sagging.
							2019, 2021 Assessment: No changes reported. No reported problems.
							2022 Assessment: No reported problems. Library needs a facelift.
Walls/Casework	2	\$171,996	0	5	15	80	No reported problems
			\$0	\$8,600	\$25,799	\$137,597	2007 assessment:No changes. No reported problems.
							2009-2015 Assessment: No changes reported. No reported problems.
							2016, 2018, 2019, 2021 Assessment: No changes reported. No reported problems.
							2022 Assessment: No reported problems. Library needs a facelift.
Doors	2	\$171,996	<b>0</b> \$0	<b>5</b> \$8,600	<b>15</b> \$25,799	<b>80</b> \$137,597	Some doors on lower level original, working, but finish worn.
			φυ	φο, οσο	Ψ20,199	φ101,091	2007 assessment:No changes. No reported problems.
							2009-2015 Assessment: No changes reported.
							2016 Assessment: No changes reported.  Lower level wood door finish due for replacement. Flood may have incerased deterioration.
							2018 Assessment: No changes reported.
							2019, 2021 Assessment: No changes reported. No reported problems.

2022 Assessment: No reported problems. Library needs a facelift.

Use Types:

60 % Administration

Building: Donald C. Burns Library and Admin.

40 % Library

Area: 28,720sf

Yr Built: 1966

Floors: 2

**Notes:** 2015-Formerly called LRC/Admin Building Complete interior renovation in 1999.

2022 Assessment: No reported problems. Library needs a facelift.

	CRV	of System	Pct. of sys	stem value to bud	jet for repair/replac	ement:	
stem	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
oors	3	\$257,994	<b>0</b> \$0	<b>10</b> \$25,799	<b>15</b> \$38,699	<b>75</b> \$193,496	2005-Metal stairway tread pans rusting, paint chipping at nosings.
			Ψ	φ20,700	φου, σσσ	φ100, 100	2005-Upper level carpet discolored, wearing, easily soiled (due to light color). Due for replacement in 2-3 years.
							2007 assessment: Carpet discoloration continuing.
							2009 Assessment: No changes reported.
							2010 Assessment: Carpet worn and due for replacement.
							2011 assessment:No changes reported. Carpet continues to age and is due for replacement.
							2012 assessment: Risers on library steps cleaned and painted. No other changes.
							2013 assessment: Upper level carpet is at end of life and due for replacement.  Seams are fraying, surface is worn. Stair risers are rusting again and due for repaint.  Will likely be an ongoing maintenance issue.
							2014 assessment: Upper level carpet due for replacement.
							2015 assessment: Upper level carpet budgeted for replacement in 2015.
							2016, 2018, 2019, 2021 Assessment: No changes reported. No reported problems.

Use Types:

60 % Administration

Bldg. No: 09 Building: Donald C. Burns Library and Admin.

Yr Built: 1966

40 % Library

Area: 28,720sf Floors: 2 **CRV** of System Pct. of system value to budget for repair/replacement: System S **Immediate** 1-5 Years **6-10 Years** 11+ Years System/Component Notes 0 5 10 Bldg., Fire, ADA, Elevators 2 \$171,996 85 Sprinkler - new. New alarm system. Handrails in stairs may not meet code, \$0 \$8,600 \$17,200 \$146,197 should be reviewed. 2007 assessment: No changes. No reported problems. 2009-2016 Assessment: No changes reported. No reported problems. 2018-2019, 2021-2022 Assessment: No changes reported. No reported problems. Immed. Site, Ext. Ltg., etc \$343.992 5 5 10 80 Building partially below grade - lower level open on 3 sides with stone retaining walls. \$17,200 \$17,200 \$34,399 \$275,194 2007 Assessment: Original stone site walls deteriorating. Water infiltration into mortar causing stones to loosen, mortar to deteriorate. Walls due for repair and tuckpointing. 2009 Assessment: No changes reported. 2010 Assessment: Stone site wall deterioration continuing. 2011 assessment:No changes reported. Stone site wall deterioration continuing. 2012 assessment: No changes reported. 2013 assessment: Deterioration at both north and south site walls continues. Mortar is failing and many stones are loose or have fallen. Repair of existing walls not likely to prevent return of problem. Vertical stone walls and sloped retaining walls are due for replacement. 2014 Assessment: No changes reported. Site wall continues to deteriorate. 2015 assessment: Stone site walls and retaining walls due for replacement. 2016 assessment:lower level site flooded extensively during heavy rainstorm in 2016, some water entered building. Stone retaining walls continue to deteriorate; issues may have accelerated due to flooding. Direct buried steam line replacement work may be disturbing site wall further.

Notes: 2015-Formerly called LRC/Admin Building

Complete interior renovation in 1999.

2018 Assessment: Some retaining wall repair was completed in 2017.

2019 Assessment: No changes reported. No reported problems.

2021 Assessment: No changes reported. No reported problems.

2022 Assessment: No changes reported. No reported problems.

	CRV	DMB	<b>EXCESS</b>	FCI	RATING	DMB	EXCESS	FCI	\$/YR MAINTAIN	RATING	
	\$8,599,800	\$107,498	\$0	1.3%	GOOD	\$395,591	\$0	4.6%	\$171,996	FAIR	
	Priority	Issues Da	ta			0-5 Year	Cumulativ	e Data			
CRV Totals:	100	\$8,599,800	\$107,498	\$288,093	\$1,629,662	\$6,574,547	\$8,599,800				

Use Types: 100% Storage Notes:

Bldg. No: 10
Building: Pole Barn

Building: Pole Barn Area: 1,800sf	Yr Buil	t: 1998	Floors: 1				
·		of System		stem value to budg	et for repair/replac	ement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Structure	30	\$50,880	0	0	0	100	No reported problems
			\$0	\$0	\$0	\$50,880	2007 assessment:No changes. No reported problems.
							2009-2015 Assessment: No changes reported. No reported problems.
							2016 Assessment: No changes reported. No reported problems.
							2018 Assessment: No changes reported. No reported problems.
							Wood frame with metal panel roof structure on concrete slab-on-grade.
							2019, 2021 - 2022 Assessment: No changes reported. No reported problems.
Roof	15	\$25,440	0	60	0		Asphalt shingles, No reported problems
			\$0	\$15,264	\$0	\$10,176	2007 assessment:No changes. No reported problems.
							2009 Assessment:No changes reported.
							2010 Assessment:No changes reported.
							2011- 2014 assessment: Roof inspected, repaired as necessary.
							2015 Assessment: No changes reported.
							Projected roof membrane replacement from roof report: 2022
							2016, 2018, 2019, 2021 Assessment: No changes reported. No reported problems.
							2022 Assessment: Roof needs to replaced in next five years.
Glazing	0	\$0	0	0	0	100	N/A
			\$0	\$0	\$0	\$0	

Montcalm Community College

2014 - 2015 Assessment: No changes reported. No reported problems.

2016, 2018, 2019, 2021-2022 Assessment: No changes reported. No reported problems.

Use Types: 100% Storage

Notes:

Building: Pole Barn

Area: 1,800sf

Yr Built: 1998

Floors: 1

	CRV (	f System	Pct. of sys	stem value to bud	jet for repair/replac	ement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Cladding	20	\$33,920	0	0	10	90	metal siding, No reported problems
			\$0	\$0	\$3,392	\$30,528	2007 assessment:No changes. No reported problems.
							2009-2015 Assessment: No changes reported. No reported problems.
							2016 Assessment: No changes reported. No reported problems.
							2018 Assessment: No changes reported. No reported problems. Metal panel cladding.
							2019, 2021-2022 Assessment: No changes reported. No reported problems.
HVAC	5	\$8,480	0	0	0	100	has gas hookup for future addition of heater.
			\$0	\$0	\$0	\$8,480	
							2007 assessment:No changes. No reported problems.
							2009-2015 Assessment: No changes reported. No reported problems.
							2016, 2018, 2019, 2021-2022 Assessment: No changes reported. No reported problems
Plumbing/Drainage	0	\$0	0	0	0	100	N/A
			\$0	\$0	\$0	\$0	
							2014 - 2015 Assessment: No changes reported.

2016, 2018, 2019, 2021-2022 Assessment: No changes reported. No reported problems.

Use Types: 100% Storage

Notes:

Building: Pole Barn

Area: 1,800sf

Yr Built: 1998

Floors: 1

	CRV o	f System	Pct. of sys	stem value to budg	jet for repair/replace	ment:	
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
rimary/Secondary	4	\$6,784	0	0	0	100	minimal
			\$0	\$0	\$0	\$6,784	
							2007 assessment:No changes. No reported problems.
							2009-2016 Assessment: No changes reported. No reported problems.
							2018, 2019, 2021-2022 Assessment: No changes reported. No reported problems.
Distribution	4	\$6,784	0	0	0	100	minimal
			\$0	\$0	\$0	\$6,784	
							2007 assessment:No changes. No reported problems.
							2009-2016 Assessment: No changes reported. No reported problems.
							2018, 2019, 2021-2022 Assessment: No changes reported. No reported problems.
_ighting	4	\$6,784	0	0	10	90	minimal, No reported problems
			\$0	\$0	\$678	\$6,106	
							2007 assessment:No changes. No reported problems.
							2009-2014 assessment: no changes reported. No reported problems.
							2015 assessment: Lighting upgraded.
							2016, 2018, 2019, 2021-2022 Assessment: No changes reported. No reported problems
Voice/Data	0	\$0	0	0	0	100	N/A
			\$0	\$0	\$0	\$0	
							2014 - 2016 Assessment: No changes reported.
							2018, 2019, 2021-2022 Assessment: No changes reported. No reported problems.
Ceilings	0	\$0	0	0	0	100	N/A
•			\$0	\$0	\$0	\$0	
							2014 - 2016 Assessment: No changes reported.

2018, 2019, 2021-2022 Assessment: No changes reported. No reported problems.

Valls/Casework	0	\$0	0	0	0	100	N/A
			\$0	\$0	\$0	\$0	2014 2010 1
							2014 - 2016 Assessment: No changes reported.
							2018, 2019, 2021-2022 Assessment: No changes reported. No reported problems.
Doors	10	\$16,060	0	0	20		4 overhead doors, 1 man door, No reported problems
			\$0	\$0	\$3,212	\$12,848	2007 assessment:No changes. No reported problems.
							2009-2012 assessment:No changes reported. No reported problems.
							2013 Assessment: New weather seals installed at existing overhead doors.
							2014 - 2016 assessment: exterior man door replaced.
							2018, 2019, 2021-2022 Assessment: No changes reported. No reported problems.
Floors	4	\$6,784	0	0	0	100	Concrete floor
			\$0	\$0	\$0	\$6,784	2007 assessment:No changes. No reported problems.
							2009-2016 Assessment: No changes reported. No reported problems.
							2018, 2019, 2021-2022 Assessment: No changes reported. No reported problems.
Bldg., Fire, ADA, Elevators	2	\$3,392	0	0	0		No reported problems
			\$0	\$0	\$0	\$3,392	2007 assessment:No changes. No reported problems.
							2009-2016 Assessment: No changes reported. No reported problems.
							2018, 2019, 2021-2022 Assessment: No changes reported. No reported problems.
mmed. Site, Ext. Ltg., etc	2	\$3,392	0	0	0	100	No reported problems
mined. Site, Ext. Ltg., etc	2	φ3,392	\$0	\$0	\$0	\$3,392	no reported problems
							2007 assessment:No changes. No reported problems.
							2009-2016 Assessment: No changes reported. No reported problems.
							2018, 2019, 2021-2022 Assessment: No changes reported. No reported problems.

Priority	Issues D	ata	0-5 Year Cumulative Data						
\$169,600	\$0	\$0	0.0%	GOOD	\$15,264	\$0	9.0%	\$3,427	FAIR
CRV	DMB	EXCESS	FCI	RATING	DMB	EXCESS	FCI	\$/YR MAINTAIN	RATING

Use Types: 100% Power House

**Notes:** 2005- Proposed renovations in 2006-2007 may require some heating system equipment and/or operation

changes.

Bldg. No: 11

Building: Power Plant Area: 3,840sf

Yr Built: 1966 F

Floors: 1

2005-Water tower due for draining/inspecting and repaint

	CRV	of System	Pct. of sy	stem value to bud	get for repair/replacem	ent:	
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Structure	15	\$368,220	0	5	5	90	Concrete - no reported problems
			\$0	\$18,411	\$18,411	\$331,398	
							2007 assessment:No changes. No reported problems.
							2009-2015 Assessment: No changes reported. No reported problems
							2016 Assessment: No changes reported. No reported problems
							2018 Assessment: Shrinkage cracks visible in floors – not due to settlement – not critical.
							Storage shed behind building has substantial settlement, cracks in block, near end of life. Structural steel frame, with concrete buttresses.
							Structural steel frame, with concrete buttlesses.
							2021-2022 Assessment: No changes reported. No reported problems.
oof	3	\$73,644	0	40	0	60	Replaced in 1998, No reported problems
			\$0	\$29,458	\$0	\$44,186	
							2007 assessment:No changes. No reported problems.
							2009 Assessment:No changes reported.
							2010 Assessment:No changes reported.
							2011 Assessment:
							Roof inspected annually, no reported problems, but roof nearing end of expected life.
							2012-2014 assessment: Roof inspected, repaired as necessary.
							2015 assessment: Proposed roof membrane replacement in 2022, per roof report.
							2016 Assessment: No changes reported. No reported problems
							2018 Assessment: No changes reported. No reported problems.
							1-1/2" steel deck on steel joists. Built-up roof, with insulation.
							2019, 2021 Assessment: No changes reported. No reported problems
							2022 Assessment: Replace roof in next 5 years.

Area: 3,840sf

Use Types: 100% Power House

Notes: 2005- Proposed renovations in 2006-2007 may require some heating system equipment and/or operation

changes.

Bldg. No: 11

**Building: Power Plant** 

Yr Built: 1966 Floors: 1

2005-Water tower due for draining/inspecting and repaint

	CRV	of System	Pct. of sy	stem value to budg	et for repair/replac	ement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Glazing	1	\$24,548	0	10	0		Very few windows original. OK
			\$0	\$2,455	\$0	\$22,093	2007 assessment:No changes. No reported problems.
							2009 Assessment: 2008-windows replaced due to forklift damage.
							2010-2016 Assessment:No changes reported. No reported problems.
							2018, 2019, 2021-2022 Assessment: No changes reported. No reported problems
Cladding	5	\$122,740	0	5	5	90	Concrete due for repainting.
			\$0	\$6,137	\$6,137	\$110,466	2007 assessment: Building repainted.
							2009-2014 assessment:No changes reported. No reported problems.
							2015 assessment: Exterior paint beginning to peel. Building is due for repaint.
							2016 Assessment: No changes reported. No reported problems
							2018 Assessment: No changes reported. No reported problems. Insulated metal panels.
							2019, 2021-2022 Assessment: No changes reported. No reported problems

Use Types: 100% Power House

Notes: 2005- Proposed renovations in 2006-2007 may require some heating system equipment and/or operation

changes.

**Building: Power Plant** Area: 3,840sf

Yr Built: 1966 Floors: 1 2005-Water tower due for draining/inspecting and repaint

	CRV	of System	Pct. of sy	stem value to budg	et for repair/replac	ement:	
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
HVAC	30	\$736,440	<b>0</b> \$0	<b>5</b> \$36,822	<b>10</b> \$73,644	<b>85</b> \$625,974	Boilers replaced 1987. 2 boilers, cycled to run every other month to prolong life.  Additional load on system may require running both boilers at once.  Main steam valves replaced in 2001.
							2005-two new condensate pumps and receiver installed (\$2,000) New flow meter scheduled for installation in 2006 (\$7,200)
							2007 assessment: Flow meter replaced. Section of steam loop replaced between Instruction West and Ash Building. Past condensate leaks caused excessive water loss from system. Replacement of steam line appears to have resolved problem.
							2009 Assessment: 2009-de-aerator installed (\$45,000)
							2010 Assessment: Gas meter systems replaced by Consumers Energy.
							2011 assessment: Boilers tested in November 2011. No reported problems.
							2012 assessment: Boiler system controls upgraded as part of ECM contract. New LonWorks DDC Energy Management System installed for campus (\$600,000).
							2013-2014 assessment:No changes reported.
							2015 assessment: Boiler valves replaced. Blowdown added. Boilers nearing 30 years old. Inspected and reported in good condition. College should start budgeting for replacement.
							2016 assessment: direct buried steam and condensate lines deteriorating, undergoing replacement. College is evaluating switching from central steam to hot water boilers in each buildng.

Use Types: 100% Power House **Notes:** 2005- Proposed renovations in 2006-2007 may require some heating system equipment and/or operation

2021-2022 Assessment: No changes reported. No reported problems.

changes.

Bldg. No: 11

**Building: Power Plant** 

2005-Water tower due for draining/inspecting and repaint

Area: 3,840sf	Yr Buil	t: 1966	Floors: 1				2003-water tower due for drawing/inspecing and repairt		
	CRV	of System	Pct. of sy	stem value to bud	jet for repair/replac	ement:			
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes		
-WAC (continued)	30	\$736,440	<b>O</b> \$0	\$ \$36,822	10 \$73,644	<b>85</b> \$625,974	2018 Assessment:  A central steam boiler plant is served by two (2) Cleaver Brooks steam boilers rated at 5,230 MBH natural gas input.  Boilers are 1980's vintage operating to provide the school campus with 100% backup heating capacity.  The steam boiler system and its accessories have been routinely maintained with water / condensate control and chemical treatment. Therefore, this plant is in fairly good condition and will continue to function for the School District to supply steam heat.  Recent new improvements and equipment investments through capital expense have allowed the plant to be reliable and continued operations. We expect an additional 10 to 20 years of continuing Steam generation and distribution to campus buildings. The campus steam heating captures 100% of its building condensate at each building and their steam use to minimalize water make-up and chemicals needs at the boiler plant. We estimate the make-up water at 200 GPD based on the recorded water meter. The boiler-feed water system was replaced and upgraded in 2009 and in good condition Well water is softened with a new water softener for improved lasting equipment life. Maintenance records indicate blowdown once per week to purge solids for on-going quality control of steam.  A recent steam trap replacement and maintenance program was financed with a Consumers Energy rebate program.  Steam & condensate distribution pipe was replaced in 2000.  The current 70 psig steam pressure provides about 340F heating BTU temperatures to the building with minimal steam pipe losses in the distribution piping system.  We recommend HVAC control improvements and to be incorporated into the Campus BEMS (Building Energy Management System).  Current BEMS hardware is manufactured by Snieder using Tridium software as represented by Grand Valley Automation (GVA).  The current boilers are dual fuel fired with #2 oil as backup to the natural gas valve train.		
							2019 Assessment: Tubes redone on the boilers. No problems reported.		

Use Types: 100% Power House Notes: 2005- Proposed renovations in 2006-2007 may require some heating system equipment and/or operation

changes.

Bldg. No: 11

Building: Power Plant Area: 3,840sf

Yr Built: 1966

Floors: 1

2005-Water tower due for draining/inspecting and repaint

	CRV	of System	Pct. of sy	stem value to budg	jet for repair/replac	ement:	
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Plumbing/Drainage	8	\$196,384	<b>0</b> \$0	<b>10</b> \$19,638	<b>10</b> \$19,638	<b>80</b> \$157,107	F
							2007-2014 Assessment: No changes reported.
							2015 Assessment: New frequency drive added to well pump to improve water pressure. No reported problems
							2016, 2018, 2019, 2021 Assessment: No changes reported. No reported problems.
							2022 Assessment: No changes reported. No reported problems.
Primary/Secondary	10	\$245,480	0	5	15	80	OK. Some original
			\$0	\$12,274	\$36,822	\$196,384	2007 assessment:No changes. No reported problems.
							2000 Assessment No changes reported

2009 Assessment: No changes reported.

2010 assessment: Campus primary service conductors upgraded to 8360V by Consumers Energy to provide additional capacity.

2011-2016 Assessment: No changes reported. No reported problems.

Use Types: 100% Power House **Notes:** 2005- Proposed renovations in 2006-2007 may require some heating system equipment and/or operation

2019, 2021, 2022 Assessment: No changes reported. No reported problems

changes.

Bldg. No: 11 **Building: Power Plant** 

2005-Water tower due for draining/inspecting and repaint

Area: 3,840sf	Yr Built: 1966		Floors: 1				2000-Water tower due for diaming inspecting and repairt		
	CRV	of System	Pct. of sy	stem value to budg	et for repair/replac	cement:			
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes		
System  Primary/Secondary (continued)	10	\$245,480	<b>0</b> \$0	<b>0</b> \$0	15 \$36,822	<b>85</b> \$208,658	2018 Assessment:  Exterior north side of building has the main primary utility switch and switchgear.  Based on the primary voltage of the transformers on campus, the primary system is operating at 8320V.  The main primary utility switch appears to feed directly into the power plant building and also to a nearby MCC-owned pad-mounted switch, an S&C Electric PMH-9.  It is presumed that this PMH-9 feeds the Maintenance Building and North Instructional Building, while the primary loops through and feeds south to the rest of the campus.  The Power Plant itself contains a primary unit substation with a single main switch, Square D HVL, 15kV, 600A.  The unit substation contains two transformers: one 225kVA with a 480/277V, three-phase secondary and the other 15kVA with a 240/120V, single-phase secondary. The final section of the substation consists of an I-line style distribution panel.  Replacement parts for the unit substation are still readily available.  Recommend a scheduled outage for cycling of all switches, tightening of all connections, and cleaning throughout.		
							The boiler room is lacking Emergency Power Off buttons, which are now required by code. Recommend adding these for safety.  The existing fire alarm system within the building is antiquated and no longer compliant with current life safety code.  Recommend replacement.  There are various vintages of energy monitoring spread throughout campus.  Recommend that this equipment be re-instated and some regular monitoring/reporting of power usage is established as a useful tool in future energy savings projects to reduce the power bill for the campus.		

Campus: Main Bldg. No: 11

Use Types: 100% Power House **Notes:** 2005- Proposed renovations in 2006-2007 may require some heating system equipment and/or operation

changes.

**Building: Power Plant** 

Area: 3,840sf

Yr Built: 1966

Floors: 1

2005-Water tower due for draining/inspecting and repaint

	CRV	of System	Pct. of sys	stem value to bud	et for repair/replac	ement:	
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
istribution	5	\$122,740	0	5	10	85	No reported problems
			\$0	\$6,137	\$12,274	\$104,329	
							2007 assessment:No changes. No reported problems.
							2009-2015 Assessment: No changes reported. No reported problems
							2016 Assessment: No changes reported. No reported problems
							2018 Assessment: The configuration of the existing primary power distribution system
							can only be surmised based on the initial walk-through.
							Additional research is need to fully understand the system and how it might be expanded in the future if the need arises.
							A one-line diagram of this system likely exists somewhere from when first constructed o
							when buildings were added, though such a drawing is not known.
							2019, 2021, 2022 Assessment: No changes reported. No reported problems
ighting	5	\$122,740	0	20	0		No reported problems
			\$0	\$24,548	\$0	\$98,192	2007, 2009, 2010 Assessment: No changes. No reported problems.
							2011 assessment: Lighting replaced with high-bay fluorescent fixtures.
							2013-2016 Assessment: No changes reported. No reported problems
							2018 Assessment:
							Emergency egress lighting and exit signs appear to be absent from the building entirely.
							Recommend adding both for safety reasons.
							Lighting is T8 fluorescent, low priority to switch to LED based on lower
							use/occupancy of this building compared to instructional buildings.
							MCC has replaced much of the original site lighting locations with LED in recent years.
							Many areas of the campus remain darker than recommended and future site work should
							consider additional pole locations to increase the feeling of safety and security for all.  The existing site lighting is controlled via a master photocell with contactors placed
							around campus to perform the switching.
							2019, 2021 Assessment: No changes reported. No reported problems

2022 Assessment: Replace lighting in next five years

Use Types: 100% Power House

**Notes:** 2005- Proposed renovations in 2006-2007 may require some heating system equipment and/or operation

changes.

Bldg. No: 11

Building: Power Plant Area: 3,840sf

Yr Built: 1966

Floors: 1

2005-Water tower due for draining/inspecting and repaint

	CRV o	f System	Pct. of sy	stem value to bud	jet for repair/replac	ement:	
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Voice/Data	2	\$49,096	0	0	5	95	Only for energy management system - No reported problems
			\$0	\$0	\$2,455	\$46,641	
							2007 assessment:No changes. No reported problems.
							2009-2022 Assessment: No changes reported. No reported problems
Ceilings	2	\$49,096	0	30	0	70	Break room only, balance open to deck
			\$0	\$14,729	\$0	\$34,367	
							2007 assessment:No changes. No reported problems.
							2009-2021 Assessment: No changes reported. No reported problems
							2022 Assessment: Replace ceilings in next five years
Walls/Casework	3	\$73,644	0	20	0	80	No reported problems
			\$0	\$14,729	\$0	\$58,915	
							2007 assessment:No changes. No reported problems.
							2009-2015 Assessment: No changes reported. No reported problems.
							2016 Assessment: No changes reported. No reported problems.
							2018 Assessment: No changes reported. No reported problems.
							Concrete block parition walls.
							2019, 2021 Assessment: No changes reported. No reported problems
							2022 Assessment: Refinish walls and casework in the next five years.
)oors	3	\$73,644	5	20	0	75	Man doors deteriorated, due for replacement.
			\$3,682	\$14,729	\$0	\$55,233	
							2007 assessment:No changes.
							2009-2015 Assessment: No changes reported. No reported problems
							2016 Assessment: No changes reported. No reported problems
							2018 Assessment: Rusting on exterior doors - Need replacement.

2019, 2021 Assessment: No changes reported. No reported problems

2022 Assessment: Replace doors in the next five years.

Floors	3	\$73,644	0	30	0	70	No reported problems
			\$0	\$22,093	\$0	\$51,551	
							2007 assessment:No changes. No reported problems.
							2009-2016 Assessment: No changes reported. No reported problems
							2018 Assessment: Concrete slab-on-grade. Vinyl tile in office and bathroom.
							2019, 2021 Assessment: No changes reported. No reported problems
							2022 Assessment: Replace floors in the next five years.
Bldg., Fire, ADA, Elevators	2	\$49,096	5	0	10	85	No fire alarm.
			\$2,455	\$0	\$4,910	\$41,732	
							2007 - 2022 Assessment:No changes. No reported problems.
Immed. Site, Ext. Ltg., etc	3	\$73,644	0	0	10	90	Site OK
			\$0	\$0	\$7,364	\$66,280	
							2007 - 2022 assessment:No changes. No reported problems.
CRV Totals:	100	\$2,454,800	\$6,137	\$222,159	\$181,655	\$2,044,848	\$2,454,800
Pri	ority	Issues Da	. ,	. , ,	. ,		Cumulative Data
				0.00/	0000		
\$2,454		\$6,137	\$0	0.3%	GOOD	\$228,296	\$43,363 9.3% \$49,096 FAIR
	CRV	DMB	EXCESS	FCI	RATING	DMB	EXCESS FCI S/YR MAINTAIN RATING

Area: 28,800sf

Use Types:

Bldg. No: 12 Building: Ash Building

Yr Built: 2007

40 % Lab 25 % Classroom

Floors: 2 25 % Admin 10 % Audit

7.1.04. 20,0000.		2001		10 % Audit			
	CR	V of System	Pct. of s	ystem value to bu	dget for repair/replac	ement:	
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Structure	16	\$1,385,344	<b>0</b> \$0	5 \$69,267	<b>5</b> \$69,267		Steel structure. Slab on grade, partially below grade on 2 sides of lower level.
							2007-New construction, under warranty
							2009-2015 Assessment: No changes reported. No reported problems
							2016 Assessment: No changes reported. No reported problems
							2018 Assessment: Signs of moisture migration to interior at grade level.  Possible issue with flashing at grade level.  Signs of water leakage in server room at conduit entry points.
							2019 Assessment: No changes reported. No reported problems
							2021 Assessment: No changes reported. No reported problems.
							2022 Assessment:
Roof	4	\$346,336	0	5	5		White EPDM, fully adhered (Carlisle)
			\$0	\$17,317	\$17,317	\$311,702	2007-New construction, under warranty
							2009 Assessment:No changes reported.
							2010 Assessment: Minor roof leaks repaired under warranty.
							2011 assessment:No changes reported. Roof inspected annually, no reported problems.
							2012-2014 assessment:No changes reported.
							2015 assessment: Roof report indicated no issues.
							2016 Assessment: No changes reported. No reported problems
							2018 Assessment: No changes reported. No reported problems. Roof replacement scheduled in 2035.
							2019 Assessment: No changes reported. No reported problems
							2021 Assessment: No changes reported. No reported problems.

Notes: Connected to Instruction East

2022 Assessment:

Campus: Main Bldg. No: 12 Use Types: 40 % Lab

Building: Ash Building Area: 28,800sf

Yr Built: 2007

25 % Classroom Floors: 2 25 % Admin

10 % Audit

Notes: Connected to Instruction East

				10 % Audit				
	CRV	V of System	Pct. of s	ystem value to bu	dget for repair/replac	ement:		
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes	
Glazing	5	\$432,920	0	0	0	100	Aluminum frame storefront system typical. Minimal curtain wall.	
			\$0	\$0	\$0	\$432,920	2007 New construction and accommode	
							2007-New construction, under warranty	
							2009-2021 Assessment: No changes reported. No reported problems	
							2022 Assessment:	
Cladding	6	\$519,504	0	0	0	100	Brick on block backup metal siding on block backup	
			\$0	\$0	\$0	\$519,504	2007 New construction, under unwenty	
							2007-New construction, under warranty	
							2009-2021 Assessment: No changes reported. No reported problems	
							2022 Assessment:	
HVAC	25	\$2,164,600	0	5	5	90	Building on central steam loop. Heat exchanger provides HW for perimeter heating.	
			\$0	\$108,230	\$108,230	\$1,948,140	(1) interior AHU with steam coil and chilled water coil. New air cooled Trane chiller connected to existing chiller for Instruction East Building to provide cooling to both buildings.	
							Heat provided by single steam coil in AHU. Perimeter heat provided by HW radiant panels.	
							Distribution provided through VAV boxes (no reheat coils).	
							DDC controls connected to existing DDC system in Instruction East Building.	
							2007-New construction, under warranty	
							2009 Assessment: 2009-Chillers still being balanced for proper operation	
							(cool summer complicated adjustments)	
							2010 Assessment: Heat recovery wheel not turning when inspected by facilities department.	
							May be turned off by safety interlock system. Issue being investigated by college.	
							Chillers balanced. Dedicated ventilation system added for spectrometer in lab.  Gas meter systems replaced by Consumers Energy.	
							Cas mater systems replaced by consumine Emergy.	
							2011 assessment: Heat recovery wheel repaired. No reported problems.	
							2012 assessment: Actuator controls replaced with LonWorks DDC as part of energy management system under ECM contract.	
							2013-2015 Assessment: No changes reported. No reported problems	
							2016 Assessment: No changes reported. No reported problems	

2018 Assessment: The HVAC system is a combination of central AHU/ERU and appear relatively new and in good condition.

Chilled water is supplied by an outdoor air-cooled chiller using 25% ethylene glycol.

The current outdoor chiller is in good condition and will continue to provide 10 to 20 years.

The building is fully DDC controlled with the standard campus BEMS system.

Steam and condensate services both enter in to the building and converted to hot water heating.

The present classroom unit ventilators do no perform well in providing comfort & noise control.

Recommend horizontal units to be replaced with improved floor mounted vertical type to provide the proper ventilation and reused the existing air distribution & control systems.

2019 Assessment: No changes reported. No reported problems

2021 Assessment: No changes reported. No reported problems.

2022 Assessment:

Area: 28,800sf

Use Types:

Bldg. No: 12 Building: Ash Building

Yr Built: 2007

40 % Lab 25 % Classroom

Floors: 2 25 % Admin

				10 % Audit			
	CRV	of System	Pct. of s	ystem value to bud	lget for repair/replaceme	nt:	
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Plumbing/Drainage	5	\$432,920	<b>0</b> \$0	<b>0</b> \$0	<b>0</b> \$0		Under slab drainage system (due to high water table) Acid waste system (plastic piping) from chemistry lab to acid dilution tank in janitor's closet. Waterless urinals in 2 men's toilet rooms.
							2007-New construction, under warranty
							2009-2015 Assessment: No changes reported. No reported problems
							2016 Assessment: No changes reported. No reported problems
							2018 Assessment: The Ash Building is a 2-story classroom building fully sprinkled.
							2019, 2021 Assessment: No changes reported. No reported problems
							2022 Assessment:
Primary/Secondary	8	\$692,672	O SO	0 \$0	<b>0</b> \$0	100 \$692,672	Primary power provided from Instruction East Building. Main service to campus upgraded due to new construction. Small transformers in each electrical closet. 2007-New construction, under warranty  2009 Assessment: No changes reported.  2010 assessment: Campus primary service upgraded by Consumers Energy to provide additional capacity.  2011-2015 Assessment: No changes reported. No reported problems  2016 Assessment: No changes reported. No reported problems  2018 Assessment: Power to this building is served by the unit substation in the Smith Instructional building via an add-on switch.
							Panels in the Ash building are Square D NF and NQOD and all appear to be in good condition.  2019, 2021 Assessment: No changes reported. No reported problems
							2022 Assessment:

Notes: Connected to Instruction East

Use Types: 40 % Lab

Notes: Connected to Instruction East

Bldg. No: 12 Building: Ash Building

25 % Classroom

Area: 28,800sf

Yr Built: 2007

Floors: 2 25 % Admin

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				10 % Audit				
	CRV	of System	Pct. of s	ystem value to bu	dget for repair/replace	ement:		
ystem	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes	
Distribution	5	\$432,920	0	0	0	100	2007-New construction, under warranty	
			\$0	\$0	\$0	\$432,920		
							2009-2021 Assessment: No changes reported. No reported problems	
							2022 Assessment:	
Lighting	5	\$432,920	0	10	5	85	All fluorescent. Linear direct/indirect pendant fixtures in classrooms and labs.	
			\$0	\$43,292	\$21,646	\$367,982	Recessed 1x4 typical in corridors, minimal recessed cans and specialty fixtures.	
							Recessed 2x4 in offices.	
							2007-New construction, under warranty	
							2009-2015 Assessment: No changes reported. No reported problems	
							2016 Assessment: No changes reported. No reported problems	
							2018 Assessment: Exterior canopy lighting regularly fills with insects.	
							Recommend replacement with new, sealed LED modules.	
							Exterior wall packs are compact fluorescent with battery packs.	
							While previously appropriate, these are not the best solution for exterior lighting in	
							northern climate, as it is difficult to start in cold weather with light output significantly reduced.	
							Recommend replacement with LED wall packs.	
							Interior lighting is primarily a mixture of T8 and compact fluorescent technology.	
							The various compact fluorescent sources in the building can present maintenance complications.	
							Recommend a switchover to LED as budget allows.	
							2019 Assessment: No changes reported. No reported problems	
							2021 Assessment: No changes reported. No reported problems.	
							2022 Assessment:	
Voice/Data	4	\$346,336	0	0	0	100	2007-New construction, under warranty	
			\$0	\$0	\$0	\$346,336	2009-2021 Assessment: No changes reported. No reported problems	

2022 Assessment:

Area: 28,800sf

Use Types: 40 % Lab

Bldg. No: 12 Building: Ash Building

Yr Built: 2007

25 % Classroom Floors: 2 25 % Admin

25 % Admin 10 % Audit

				0 / Auuit			
	CRV	of System	Pct. of sy	stem value to bud	get for repair/replace	ement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Ceilings	3	\$259,752	0	0	10	90	2x2 lay-in ceilings typical throughout.
			\$0	\$0	\$25,975	\$233,777	Minimal gypsum ceilings in corridors
							2007-New construction, under warranty
							2009-2021 Assessment: No changes reported. No reported problems
							2022 Assessment:
Walls/Casework	3	\$259,752	0	0	10	90	Painted gypsum board on metal studs typical.
			\$0	\$0	\$25,975	\$233,777	
							2007-New construction, under warranty
							2009 Assessment:No changes reported.
							2010 Assessment:No changes reported.
							2011 assessment: Main corridor repainted where damaged and scuffed by students.
							2012-2021 Assessment: No changes reported. No reported problems
							2022 Assessment:

Notes: Connected to Instruction East

Campus: Main Bldg. No: 12

Use Types: 40 % Lab

**Building: Ash Building** Area: 28,800sf

Yr Built: 2007

25 % Classroom Floors: 2 25 % Admin

				10 % Audit			
	CRV	of System	Pct. of s	ystem value to bu	dget for repair/replace	ement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Doors	2	\$173,168	0	0	10	90	Exterior: Aluminum frame full-lite doors. (1) Hollow metal door.
			\$0	\$0	\$17,317	\$155,851	Interior: Solid score wood typical.
							(1) sliding aluminum frame full-lite door system in computer lab.
							(5) aluminum frame full-lite doors. (2) hollow metal doors at stairwells.
							2007-New construction, under warranty
							2009-2021 Assessment: No changes reported. No reported problems
							2022 Assessment:
Floors	3	\$259,752	0	0	10	90	Porcelain tile - corridors.
			\$0	\$0	\$25,975	\$233,777	Sheet vinyl - chemistry lab.
							Carpet tile - offices, classrooms.
							VCT - nursing lab, biology lab.
							2007-New construction, under warranty
							2009 Assessment: 2009-Grout in lower level east corridor cracked, repaired twice.
							Cause under investigation.
							2010 Assessment: Floor crack issue appears to have resolved.
							2011-2021 Assessment: No changes reported. No reported problems
							2022 Assessment:
Bldg., Fire, ADA, Elevators	3	\$259,752	0	0	10	90	Hydraulic passenger elevator.
<b>3</b> , , ,			\$0	\$0	\$25,975		Fully sprinklered.
							New, ADA compliant fire alarm, exit signage and emergency lighting.
							2007-New construction, under warranty
							2009-2021 Assessment: No changes reported. No reported problems
							2022 Assessment:
Immed. Site, Ext. Ltg., etc	3	\$259,752	0	0	10	90	(6) pole mounted site lights at west sidewalk only.
			\$0	\$0	\$25,975	\$233,777	Building mounted recessed exterior lighting.
							New sidewalks poured as part of construction.
							2007-New construction, under warranty

Notes: Connected to Instruction East

## 2022 Assessment:

	CR	V of System	Pct. of	system value to b	udget for repair/re	eplacement:					
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Componen	t Notes			
CRV Totals:	100	\$8,658,400	\$0	\$238,106	\$363,653	\$8,056,641	\$8,658,400				
	Priority	Issues Da	ıta			0-5 Year C	umulative [	Data			
	\$8,658,400	\$0	\$0	0.0%	GOOD	\$238,106	\$0	2.8%	\$174,844	GOOD	
	CRV	DMB	EXCESS	FCI	RATING	DMB	EXCESS	FCI	\$/YR MAINTAIN	RATING	

Use Types: 100% Storage

Notes: Pole barn building with 3 offices.

Bldg. No: 13

**Building: Maintenance Building** 

Area: 8,000sf

Yr Built: 2007

Floors: 1

2016-Replacement value corrected to match construction type.

	CRV	of System	Pct. of sy	stem value to bud	get for repair/replac	ement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Structure	15	\$67,080	<b>0</b> \$0	<b>0</b> \$0	<b>0</b> \$0	<b>100</b> \$67,080	Typical pole-barn type construction.  Load-bearing wood frame structure, prefabricated roof trusses. 6" concrete floor slab.
							2007-New construction, under warranty
							2009-2022 Assessment: No changes reported. No reported problems
Roof	10	\$44,720	0	0	80		Asphalt shingles.
			\$0	\$0	\$35,776	\$8,944	2007-New construction, under warranty
							2009 Assessment:No changes reported.
							2010 Assessment:No changes reported.
							2011 assessment:No changes reported. Roof inspected annually, no reported problems.
							2012-2015 assessment: No changes reported. No reported problems.
							2016 Assessment: No changes reported. No reported problems. Projected shingle replacement, per roof report: 2030
							2018 Assessment: Roof replacement scheduled for 2025.
							2019 Assessment: No changes reported. No reported problems.
							2021-2022 Assessment: No changes reported. No reported problems.

Campus: Main Bldg. No: 13 Use Types: 100% Storage

**Notes:** Pole barn building with 3 offices.

**Building: Maintenance Building** 

Area: 8,000sf

Yr Built: 2007

Floors: 1

2016-Replacement value corrected to match consruction type.

	CRV	of System	Pct. of sy	stem value to bud	get for repair/repla	cement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Glazing	2	\$8,944	0	0	0	100	Minimal windows - (7) vinyl clad sliders in office areas.
			\$0	\$0	\$0	\$8,944	
							2007-New construction, under warranty
							2009-2022 Assessment: No changes reported. No reported problems
Cladding	15	\$67,080	0	0	0	100	prepainted metal siding with blown-in cellulose insulation
			\$0	\$0	\$0	\$67,080	
							2007-New construction, under warranty
							2009-2022 Assessment: No changes reported. No reported problems
HVAC	15	\$67,080	0	0	0	100	(3) stand alone electric in-wall heaters/AC units in offices.
		, , , , , , , ,	\$0	\$0	\$0	\$67,080	
							2007-New construction, under warranty
							2009 Assessment:No changes reported.
							2010 Assessment: Gas meter systems replaced by Consumers Energy.
							2011 assessment:No changes reported. No reported problems.
							2012 assessment: Energy Management System upgraded as part of ECM contract.
							2013-2018 Assessment: No changes reported. No reported problems
							2019 Assessment: Replace two heaters. No reported problems.
							2021-2022 Assessment: No changes reported. No reported problems.
Plumbing/Drainage	5	\$22,360	0	0	0	100	Minimal plumbing - 1 toilet room, work sink, hose bibbs.
			\$0	\$0	\$0	\$22,360	Linear floor drain with oil separator in shop area.
							2007-New construction, under warranty
							2009-2022 Assessment: No changes reported. No reported problems

Campus: Main Bldg. No: 13 Use Types:

100% Storage

Notes: Pole barn building with 3 offices.

2016-Replacement value corrected to match consruction type.

**Building: Maintenance Building** 

Area: 8,000sf

Yr Built: 2007

Floors: 1

	CRV o	of System	Pct. of sys	stem value to budg	jet for repair/replacement:	:	
System	%	8	Immediate	1-5 Years	6-10 Years 11	1+ Years	System/Component Notes
rimary/Secondary	5	\$22,360	0	0	0	100	2007-New construction, under warranty
			\$0	\$0	\$0	\$22,360	
							2009 Assessment:No changes reported.
							2010 assessment:
							Campus primary service upgraded by Consumers Energy to provide additional capacity.
							2011-2022 Assessment: No changes reported. No reported problems
Distribution	4	\$17,888	0	0	0	100	2007-New construction, under warranty
			\$0	\$0	\$0	\$17,888	
							2009-2022 Assessment: No changes reported. No reported problems
_ighting	4	\$17,888	0	0	0	100	Fluorescent ceiling mounted fixtures typical. Recessed fluorescent in offices.
			\$0	\$0	\$0	\$17,888	
							2007-New construction, under warranty
							2009-2011 assessment:No changes reported. No reported problems.
							2012 assessment: Lighting upgraded as part of ECM contract.
							2013-2021 Assessment: No changes reported. No reported problems
							2022 Assessment: LED lighting replacement completed
/oice/Data	3	\$13,416	0	0	0	100	Minimal
			\$0	\$0	\$0	\$13,416	
							2007-New construction, under warranty
							2009-2022 Assessment: No changes reported. No reported problems
Ceilings	4	\$17,888	0	0	0	100	Prepainted metal ceiling in shop area. Lay-in ceiling in office areas.
			\$0	\$0	\$0	\$17,888	
							2007-New construction, under warranty
							2009-2022 Assessment: No changes reported. No reported problems

Campus: Main Use Types: Notes: Pole barn building with 3 offices.

Bldg. No: 13 100% Storage 2016-Replacement value corrected to match consruction type.

**Building: Maintenance Building** 

Area: 8,000sf Yr Built: 2007 Floors: 1

	CRV (	of System	Pct. of sy	stem value to bud <u>ç</u>	jet for repair/replac	ement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Walls/Casework	5	\$22,360	0	30	0	70	Painted gypsum board walls between offices and shop areas.
			\$0	\$6,708	\$0	\$15,652	
							2007-New construction, under warranty
							2009-2021 Assessment: No changes reported. No reported problems
							2022 Assessment: Add hallway in the next five years.
Doors	4	\$17,888	0	30	0	70	(1) overhead door in shop area.
			\$0	\$5,366	\$0	\$12,522	(1) Hollow metal exterior door.
							Hollow metal interior doors with lites.
							2007-New construction, under warranty
							2009-2021 Assessment: No changes reported. No reported problems
							2022 Assessment: Replace overhead doors in next five years.
Floors	4	\$17,888	0	30	0	70	Concrete floor in shop area.
			\$0	\$5,366	\$0	\$12,522	Carpet in offices.

2007-New construction, under warranty

2009-2021 Assessment: No changes reported. No reported problems

2022 Assessment: Add hallway in next five years.

Use Types: 100% Storage Notes: Pole barn building with 3 offices. 2016-Replacement value corrected to match consruction type. Bldg. No: 13

**Building: Maintenance Building** 

Area: 8,000sf Yr Built: 2007 Floors: 1

100 % Storage	2016-Replacement value corrected to match constitution type

	CRV	of System	Pct. of sy	stem value to bud	get for repair/rep	lacement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Bldg., Fire, ADA, Elevators	2	\$8,944	0	0	0	100	No fire alarm system.
			\$0	\$0	\$0	\$8,944	No sprinkler system.
							2007-New construction, under warranty
							2009-2022 Assessment: No changes reported. No reported problems
mmed. Site, Ext. Ltg., etc	3	\$13,416	0	0	0	100	Exterior lighting: wall packs
			\$0	\$0	\$0	\$13,416	Exterior paving: asphalt drive and parking.
							2007-New construction, under warranty
							2009-2022 Assessment: No changes reported. No reported problems
RV Totals:	100	\$447,200	\$0	\$17,441	\$35,776	\$393,983	
Pric	ority I	ssues Da	ata	. ,	, , , ,		Cumulative Data
	7,200	\$0	\$0	0.0%	GOOD	\$17,441	\$0 3.9% \$8,944 GOOD
	CRV	DMB	EXCESS	FCI	RATING	DMB	EXCESS FCI S/YR MAINTAIN RATING

Use Types: 10 % Auditorium Notes:

Bldg. No: 14

**Building: Ash Technology and Learning Center** 

50 % Technology Lab

Area: 19,495sf

Yr Built: 2001

Floors: 1 30 % Classroom 10 % Admin

			1	10 % Admin			
	CRV	of System	Pct. of sys	tem value to budg	et for repair/replace	ment:	
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Structure	16	\$961,648	<b>0</b> \$0	<b>0</b> \$0	<b>5</b> \$48,082	95 \$913,566	Some CMU walls showing cracking - 2003
			φυ	φυ	φ40,002	φ313,300	2007 assessment: Cracking continuing at door frames - especially in center corridor.
							2009-2015 Assessment: No changes reported. No reported problems
							2016 assessment: minor grout cracking from settlement continues
							2018 Assessment: Building in good structural condition, no deficiencies noted.
							2019 Assessment: Building in good structural condition, no deficiencies noted.
							2021 - 2022 Assessment: No changes reported. No reported problems.
Roof	5	\$300,515	0	10	60		Fully adhered EPDM roof.
			\$0	\$30,052	\$180,309	\$90,155	2007 assessment:No changes. No reported problems.
							2010 Assessment:No changes reported.
							2011 assessment:No changes reported.
							2012 assessment:No changes reported.
							2013 assessment: Minor leaks at equipment curbs - repaired.
							2014 assessment: Roof inspected, multiple flashing, membrane tears and
							punctures repaired as necessary.  Projected roof membrane replacement, per roof report: 2022
							2016 Assessment: No changes reported. No reported problems
							2018 Assessment: No changes reported. No reported problems.
							2019 Assessment: No changes reported. No reported problems.
							2021 - 2022 Assessment: No changes reported. No reported problems.

Use Types: 10 % Auditorium Notes:

Bldg. No: 14

Building: Ash Technology and Learning Center

50 % Technology Lab

Area: 19,495sf

Yr Built: 2001

Floors: 1 30 % Classroom

10 % Admin

				10 % Admin			
	CRV	of System	Pct. of sys	stem value to bud	get for repair/replaceme	nt:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Glazing	5	\$300,515	0	0	5	95	2004-Window at rear of building not recaulked after block wall repair.
			\$0	\$0	\$15,026	\$285,489	
							2004-Some caulk deterioration at sills, needs replacement.
							2005-Sills have negative slope. Caulk deterioration continuing, allowing water
							into wall cavity.
							2007 assessment: No changes.
							2009 Assessment: window sills recaulked as required to control water infiltration
							2010-2022 Assessment: No changes reported. No reported problems
Cladding	5	\$300,515	0	2	5		See structural notes for CMU info.
			\$0	\$6,010	\$15,026	\$279,479	Some sealant joints delaminating.  Masonry due for resealing in 2006 - verify with specifications.
							Water infiltration at sills causing efflorescence of block.
							water inititiation at sills causing emplescence of block.
							2007 assessment:No changes. Masonry not resealed.
							2009 Assessment:No changes reported.
							2010 Assessment:
							Masonry due for resealing.
							2011 assessment:
							Masonry scheduled for resealing in 2012.
							2012 assessment:
							Exterior masonry washed and resealed.
							2013-2022 Assessment: No changes reported. No reported problems

Use Types:

Notes:

Bldg. No: 14

**Building: Ash Technology and Learning Center** 

10 % Auditorium50 % Technology Lab

Area: 19.495sf

Yr Built: 2001

30 % Classroom

Floors: 1

	CRV	of System	Pct. of sy	stem value to budg	et for repair/replac	ement:	
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
HVAC	24	\$1,442,472	0	15	0	85	(2) HW boilers.
			\$0	\$216,371	\$0	\$1,226,101	Rooftop AHUs loud in corridors
							2007 assessment:
							One boiler retubed due to excessive corrosion. Second boiler-no reported problems.
							DDC controls - one panel board does not restart properly after power failures.
							Uninterruptable power supply added to prevent loss of power.

2009 Assessment: DDC panel board replaced.

2010 Assessment: Gas meter systems replaced by Consumers Energy.

2011 assessment: No changes reported. No reported problems.

2012 assessment: HVAC noise reduced through installation of noise isolation. New actuators on control valves and dampers installed as part of ECM contract.

2013 assessment: Compressor on RTU #4 (over conference room) replaced. Entire HVAC system now on college-wide building automation system.

2014 assessment: No changes reported. No reported problems.

2015 assessment: Compressor on RTU #3 replaced.

2016 Assessment: No changes reported. No reported problems.

Typical maintenance only.

## 2018 Assessment:

The HVAC system consist of packaged gas-fired heating with DX cooling RTUs which appear relatively new and in good condition.

Central hot water heating boiler and pumps provide zone control via 2-way valves.

The building is fully DDC controlled with the standard campus BEMS system.

The domestic hot water boiler is in good condition.

Classroom's ceiling air distribution provide food comfort, ventilation & noise control.

2019 Assessment: No changes reported. No reported problems.

2021 Assessment: Replaced a rooftop unit. No other changes reported. No reported problems.

2022 Assessment: Campus-wide BMS system upgraded with new hardware Replace all rooftop units in next five years.

Use Types:

Notes:

Bldg. No: 14

**Building: Ash Technology and Learning Center** 

10 % Auditorium

Area: 19,495sf

Yr Built: 2001

50 % Technology Lab Floors: 1 30 % Classroom

				10 % Admin			
_	CRV	of System	-	_	et for repair/replacen		
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Plumbing/Drainage	5	\$300,515	0	0	0	100	Irrigation system pump has frozen in past winters. Year-end draining program
			\$0	\$0	\$0	\$300,515	implemented to resolve problem.
							Shut-off valve to catering kitchen dishwasher leaks, currently turned off.
							2007 assessment:No changes. No reported problems.
							2009-2015 Assessment: No changes reported. No reported problems
							2016 Assessment: No changes reported. No reported problems
							2018 Assessment: The MTEC Building is a 2-story classroom building fully sprinkled.
							2019, 2021 Assessment: No changes reported. No reported problems.
							2022 Assessment: Water-coolers upgraded to auto, no-touch
Primary/Secondary	8	\$480,824	0	0	0	100	2007 assessment: No reported problems.
			\$0	\$0	\$0	\$480,824	
							2009-2015 Assessment: No changes reported. No reported problems
							2016 Assessment: No changes reported. No reported problems
							2018 Assessment: Power to the building is delivered via a utility-owned pad-mounted
							transformer on the west side.
							This delivers 208/120V, three-phase power to a 1200A main distribution panel utilizing
							the "six disconnect rule" and therefore containing no single main service disconnect.
							The main panel is a Cutler-Hammer PRL4, which is still available and maintainable.
							The fire alarm system is a Simplex 4010 with no issues found.
							2019, 2021 - 2022 Assessment: No changes reported. No reported problems.
Distribution	5	\$300,515	0	0	0	100	2007 assessment: No reported problems.
			\$0	\$0	\$0	\$300,515	
							2009-2015 Assessment: No changes reported. No reported problems
							2016 Assessment: No changes reported. No reported problems
							2018 Assessment:
							Panelboards throughout are Eaton/Cutler-Hammer and appear to be in good condition.

2019, 2021 - 2022 Assessment: No changes reported. No reported problems.

Use Types:

Notes:

Bldg. No: 14

**Building: Ash Technology and Learning Center** Area: 19,495sf Floors: 1 10 % Auditorium 50 % Technology Lab

Yr Built: 2001

30 % Classroom

10	%	Adm
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	10 % Admin												
	CRV	of System	Pct. of sy	stem value to bud	get for repair/replac	ement:							
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes						
Lighting	5	\$300,515	0	5	10	85	2007 assessment: Ballasts prone to excessive failure replaced, problem resolved.						
			\$0	\$15,026	\$30,052	\$255,438							
							2009-2016 Assessment: No changes reported. No reported problems						
							2018 Assessment: Lighting throughout the building is primarily T8 fluorescent, with						
							classrooms containing direct/indirect fixtures on a multi-level switching scheme.						
							Some exit signs were noted as no longer being illuminated.						
							These are likely past their life and should be fixed or replaced.						
							2019, 2021 Assessment: No changes reported. No reported problems.						
							2022 Assessment: Lights to be changed to LED over the next five years.						
Voice/Data	5	\$300,515	0	0	0	100	2007 assessment: No reported problems.						
			\$0	\$0	\$0	\$300,515							
							2009-2021 Assessment: No changes reported. No reported problems						
							2022 Assessment: Building Access controls upgraded with new servers						
Ceilings	3	\$180,309	0	0	0	100	Some stained ceiling tiles in corridor outside M112, likely roof related, but no						
			\$0	\$0	\$0	\$180,309	known recent leaks.						
							2007 assessment: Damaged ceiling tiles replaced. No reported problems.						
							2009-2022 Assessment: No changes reported. No reported problems						
Walls/Casework	4	\$240,412	0	0	5	95	2005-water damage to cabinets in catering kitchen from dishwasher leak						
			\$0	\$0	\$12,021	\$228,391							
							2007 - 2011 assessment:No changes.						
							2012 assessment: Minor renovations performed to relocate interior partitions to						
							modify classroom sizes.						
							2013-2022 assessment:No changes reported. No reported problems.						
Doors	2	\$120,206	0	0	0	100	2007 assessment: No reported problems.						
			\$0	\$0	\$0	\$120,206	·						
							2009-2012 assessment:No changes reported. No reported problems.						

2013 assessment:

All classroom door hardware be changed to lockdown type for security.

2014-2022 Assessment: No changes reported. No reported problems

Use Types:

Notes:

Bldg. No: 14

Area: 19,495sf

Building: Ash Technology and Learning Center

Yr Built: 2001

Floors: 1

10 % Auditorium50 % Technology Lab30 % Classroom

				10 % Admin			
	CRV	of System	Pct. of sys	stem value to bud	get for repair/replac	ement:	
ystem	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
loors	3	\$180,309	0	0	10		2003-concrete floor showing cracks
			\$0	\$0	\$18,031	\$162,278	2004-tile at entry lobby cracking, some loose grout, cracked tile at concrete control joints ( recurring problem).
							2005-tile replaced and repaired as necessary. Control joints added at crack location.
							2005-water damage to VCT in catering kitchen from dishwasher leak
							2007 assessment:No changes. No reported problems.
							2009 Assessment: Minor settlement cracking continuing, repaired as required.
							2010 Assessment: No changes reported. Cracking in grout repaired as required.
							2011 assessment: No changes reported. Cracking in grout repaired as required.
							2012 assessment: No changes reported. Cracking in grout repaired as required.
							2013 assessment: Floor slab cut and underlying issue causing floor cracking resolved. Floor fully repaired.
							2014-2022 Assessment: No changes reported. No reported problems
Bldg., Fire, ADA, Elevators	2	\$120,206	0	0	0		2007 assessment:No changes. No reported problems.
			\$0	\$0	\$0	\$120,206	2009-2022 Assessment: No changes reported. No reported problems
mmed. Site, Ext. Ltg., etc	3	\$180,309	0	2	2		2007 assessment:No changes. No reported problems.
			\$0	\$3,606	\$3,606	\$173,097	2009-2013 assessment:No changes reported. No reported problems.
							2014 assessment: Parking lot lighting scheduled for upgrade to LED.
							2015 assessment: parking lot lighting upgraded.
							2016 assessment: concrete block screenwall and dumpster enclosure due for tuckpointing.
							2018, 2019, 2021-2022 Assessment: No changes reported. No reported problems.

	CRV	of System	Pct. of sy	stem value to bud	get for repair/rep	lacement:					
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Compone	nt Notes			
CRV Totals:	100	\$6,010,300	\$0	\$271,065	\$322,152	\$5,417,083	\$6,010,300				
	Priority	Issues Da	ata			0-5 Year	Cumulativ	e Data			
	\$6,010,300	\$0	\$0	0.0%	GOOD	\$271,065	\$0	4.5%	\$120,206	GOOD	
	CRV	DMB	EXCESS	FCI	RATING	DMB	EXCESS	FCI	\$/YR MAINTAIN	RATING	

Use Types:

Notes: New construction, completed in 2013

Bldg. No: 15

50 % Technology Lab 50 % Classroom

**Building: Braman Center** 

2019 - Welding lab renovation and robotics lab renovation completed.

Area: 16,585sf Yr Built: 2012 Floors: 1

	CRV	of System	Pct. of sy	stem value to budg	jet for repair/replace	ement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Structure	18	\$938,232	0	0	0	100	Steel frame structure, concrete slab-on-grade.
			\$0	\$0	\$0	\$938,232	2010
							2013 assessment - building complete, under warranty.
							2014 - 2015 Assessment: No changes reported. No reported problems
							2016 Assessment: No changes reported. No reported problems.
							2018 Assessment: Building in good structural condition, no deficiencies noted.
							2019 - 2022 Assessment: No changes reported. No reported problems.
Roof	6	\$312,744	0	0	0	100	White EPDM roof membrane.
			\$0	\$0	\$0	\$312,744	
							2013 assessment - building complete, under warranty.
							2014 - 2015 Assessment: No changes reported. No reported problems
							2016 Assessment: No changes reported. No reported problems.
							Projected roof membrane replacement from roof report: 2024
							2018, 2019, 2021, 2022 Assessment: No changes reported. No reported problems.
Glazing	3	\$156,372	0	0	0	100	Aluminum framed fixed windows and clerestory. Some construction issues
			\$0	\$0	\$0	\$156,372	reported regarding clerestory, causing water infiltration.
							2013 assessment - building complete, under warranty.
							2014 Assessment: No changes reported.
							2015 assessment: Past leaks in clerestory caused water infiltration into receiving area.
							Issue reported as resolved.
							2016 Assessment: No changes reported. No reported problems.
							2018 Assessment: No changes reported. No reported problems.
							2019 Assessment: Modified glazing at new welding lab No reported problems

2021 - 2022 Assessment: No changes reported. No reported problems.

Use Types:

Notes: New construction, completed in 2013

Bldg. No: 15 Building: Braman Center 50 % Technology Lab 50 % Classroom

Area: 16,585sf

Yr Built: 2012

Floors: 1

	CRV	of System	Pct. of sy	stem value to budg	et for repair/replace	ement:	
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Cladding	15	\$781,860	0	0	0	100	Brick with metal panels at areas with windows.
			\$0	\$0	\$0	\$781,860	2013 assessment - building complete, under warranty.
							2014 - 2015 Assessment: No changes reported. No reported problems
							2016 - 2022 Assessment: No changes reported. No reported problems.
VAC	15	\$781,860	0	0	20	80	2 condensing boilers, ground mounted DX chillers, 1 air handler for entire building.
			\$0	\$0	\$156,372	\$625,488	System on DDC controls and college-wide system.
							2013 assessment - building complete, under warranty.
							2014 - 2015 Assessment: No changes reported. No reported problems
							2016 assessment: exhaust system added for new welding equipment.
							2018 Assessment: The HVAC system consist of shop rooms make-up air and exhaust
							appear relatively new and in good condition.  RTUs provide the necessary HVAC using hot water boiler for zone control reheats.
							Central hot water heating boiler and pumps provide zone control via 2-way valves and the boiler appears to be in good condition.
							The building is fully DDC controlled with the standard campus BEMS system.
							The domestic hot water boiler is in good condition.
							The IT Data room is served by spit AC condensing units.
							Shop classrooms should have the ventilation verified and add controls to help meet
							current demands and shut-off airflow when not occupied.
							2019 Assessment: Upgrades at renovated welding lab. No reported problems.
							2021 Assessment: Plan to add rootop unitat welding lab. No other reported problems.
							2022 Assessment: Two 12-ton rooftop units added for welding labs. No reported problem HVAC BMS has been upgraded.

Use Types:

Notes: New construction, completed in 2013

Bldg. No: 15 Building: Braman Center 50 % Technology Lab50 % Classroom

Area: 16,585sf

Floors: 1

Area: 16,585sf Yr Built: 2012			Floors: 1				
	CRV	of System	Pct. of sy	stem value to budg	et for repair/replac	ement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Plumbing/Drainage	5	\$260,620	<b>0</b> \$0	<b>0</b> \$0	<b>0</b> \$0	100 \$260,620	2013 assessment - building complete, under warranty.
							2014 - 2015 Assessment: No changes reported. No reported problems
							2016 assessment: Compressed air system added for lab/shop use.
							2018 Assessment: The Braman building fully sprinkled.
							2019, 2021 Assessment: No changes reported. No reported problems.
							2022 Assessment: Watercoolers upgraded to auto, no-touch. No reported problems.
Primary/Secondary	5	\$260,620	<b>0</b> \$0	<b>0</b> \$0	<b>0</b> \$0	100 \$260,620	·
							2013 assessment - building complete, under warranty.
							2014 - 2015 Assessment: No changes reported. No reported problems
							2016 Assessment: No changes reported. No reported problems.
							2018 Assessment: Power to the building is delivered via a utility-owned pad-mounted transformer on the southwest side.  This delivers 208/120V, three-phase power to a 800A main distribution

panel with 800A main breaker.

The main panel is Square D I-line, which is still available and maintainable.

Power delivery to the building is a mixture of branch panelboards and overhead bus, depending on the use of the room.

Future planning should include a careful look at each room to ensure that the power is as flexible as possible for the anticipated use.

The fire alarm consists of a Notifier system, no issues noted.

2019 Assessment: Transformers and panelboards relocated as part of the renovation project.

2021, 2022 Assessment: No changes reported. No reported problems.

Use Types:

Notes: New construction, completed in 2013

Bldg. No: 15 Building: Braman Center 50 % Technology Lab 50 % Classroom

Area: 16,585sf

Yr Built: 2012

Floors: 1

	CRV	of System	Pct. of sys	stem value to budq	jet for repair/replacen	nent:	
ystem	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
stribution	4	\$208,496	0	35	0	65	2013 assessment - building complete, under warranty.
			\$0	\$72,974	\$0	\$135,522	
							2014 Assessment: No changes reported.
							2015 assessment: Step-up transformer added to power new CNC equipment.
							Distribution panel, disconnects and bus ducts added. Total cost approx. \$60,000.
							2016 Assessment: No changes reported. No reported problems.
							2018 Assessment: No changes reported. No reported problems.
							2019 Assessment: Distribution panels revised in welding lab renovation.
							No reported problems.
							2021 Assessment: No changes reported. No reported problems.
							2022 Assessment: Increase distribution capacity for switch gear equipment
ighting	4	\$208,496	0	5	10	85	Predominantly fluorescent fixtures throughout.
			\$0	\$10,425	\$20,850	\$177,222	
							2013 assessment - building complete, under warranty.
							2014 - 2015 Assessment: No changes reported. No reported problems
							2016 Assessment: No changes reported. No reported problems.
							2018 Assessment: Lighting is a mix of T8 and compact fluorescent.
							The compact fluorescent in particular should be considered for replacement due to
							stocking issues and general inefficiency as compared to current LED technology.
							2019 Assessment: Lighting changes in welding lab and robotics lab renovation
							2021 Assessment: No changes reported. No reported problems.
							2022 Assessment: No reported problems. Replace lights with LED bulbs in next five year

Area: 16,585sf

Use Types: 50 % Technology Lab

50 % Classroom

Notes: New construction, completed in 2013

Bldg. No: 15 Building: Braman Center

Yr Built: 2012 Floors: 1

	CRV	of System	Pct. of sy	stem value to budg	jet for repair/replac	ement:	
System	%	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Voice/Data	3	\$156,372	0	0	0	100	2013 assessment - building complete, under warranty.
			\$0	\$0	\$0	\$156,372	
							2014 - 2021 Assessment: No changes reported. No reported problems
							2022 Assessment: Building access control has been upgraded with new servers
Ceilings	4	\$208,496	0	0	0	100	Combination of lay-in and open to deck in corridors & some labs, gypsum in toilet rooms.
			\$0	\$0	\$0	\$208,496	
							2013 assessment - building complete, under warranty.
							2014 - 2015 Assessment: No changes reported. No reported problems
							2018 Assessment:
							2019 Assessment: Ceiling removed in robotics lab.
							2021 - 2022 Assessment: No changes reported. No reported problems.
Walls/Casework	5	\$260,620	0	0	0	100	Painted drywall typical, with tile wainscots. Tile in toilet rooms.
			\$0	\$0	\$0	\$260,620	
							2013 assessment - building complete, under warranty.
							2014 - 2022 Assessment: No changes reported. No reported problems
Doors	4	\$208,496	0	0	0	100	Exterior doors - aluminum full-lite doors at entries, painted hollow metal at service entries
			\$0	\$0	\$0	\$208,496	Interior doors - hollow metal.

2013 assessment - building complete, under warranty.

2014 - 2022 Assessment: No changes reported. No reported problems

Use Types:

Notes: New construction, completed in 2013

Bldg. No: 15 Building: Braman Center 50 % Technology Lab50 % Classroom

Area: 16,585sf

Yr Built: 2012

Floors: 1

	CRV	of System	Pct. of sy	stem value to budg	et for repair/replac	ement:	
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Component Notes
Floors	4	\$208,496	0	0	10	90	Corridors - porcelain tile; classrooms - carpet; labs - concrete; toilet rooms-porcelain tile
			\$0	\$0	\$20,850	\$187,646	Mix of carpet, sheet goods and concrete.
							2013 assessment - building complete, under warranty.
							2014 Assessment: No changes reported.
							2015 assessment: carpet removed as needed for repurposing rooms for industrial equipment.
							2016 assessment: carpet being damaged from change in builduing use - worn, stained from industrial equipment, dirt, grease.
							2018 Assessment: No changes reported. No reported problems.
							2019 Assessment: Floor finish changes in welding and robotics labs
							2021 - 2022 Assessment: No changes reported. No reported problems.
Bldg., Fire, ADA, Elevators	2	\$104,248	0	0	0	100	Building is fully sprinkled.
			\$0	\$0	\$0	\$104,248	
							2013 assessment - building complete, under warranty.
							2014 - 2022 Assessment: No changes reported. No reported problems
Immed. Site, Ext. Ltg., etc	3	\$156,372	0	0	35	65	2013 assessment - building complete, under warranty.
			\$0	\$0	\$54,730	\$101,642	

2014 - 2021 Assessment: No changes reported. No reported problems

2022 Assessment: Site lighting improvements needed in next 5-10 years.

Campus: Greenville Use Types: Notes: New construction, completed in 2013

Bldg. No: 1550 % Technology LabBuilding: Braman Center50 % Classroom

Area: 16,585sf Yr Built: 2012 Floors: 1

	CF	RV of System	Pct. of s	ystem value to bu	dget for repair/rep	lacement:					
System	<b>%</b>	8	Immediate	1-5 Years	6-10 Years	11+ Years	System/Compon	ent Notes			
CRV Totals:	100	\$5,212,400	\$0	\$83,398	\$252,801	\$4,876,200	\$5,212,400				
	Priority	Issues Da	ata			0-5 Year	Cumulativ	e Data			
	\$5,212,400	\$0	\$0	0.0%	GOOD	\$83,398	\$0	1.6%	\$104,248	GOOD	
	CRV	DMR	FXCFSS	FCI	RATING	DMR	FXCFSS	FCI	\$/YR MAINTAIN	RATING	

Campus: Greenville Bldg. No: 16													
Bldg. No: 16				Use Types:			Orie is all as a star etic.		D. 34 4 - 6 - 1-1 4				+
				100% Storage			Original construction	n date unknown.	Built as part of old 1	airgrounds, now o	whea by MCC.		+
Building: Greenville Pole	o Barn			100% Storage	;		1						+
			Floors: 1	1			1						+
Aica. 4,50031	11 50	111. 1370	1 10013. 1	1			†				†		+
	CRV	of System	Pet of	evetem value to hur	dget for repair/rep								
System	%	S	Immediate	1-5 Years		11	S System/Component Notes						+
		Ť			0								+
Structure	30	\$66,180	0	0			Wood pole ba	rn structure					+
			\$0	\$0	\$0		0040						+
<del>                                     </del>				<del> </del>			2013 assessr	nent - no repo	rted problems		+		+
<del>                                     </del>				1			2014 Assessr	mont: No obor	ago roportod				+
				h h			2014 ASSESSI	nent. No chai	iges reported.				+
				1			2015 - 2022 A	Assessment: N	Vo changes re	norted No re	norted problet	ms	+
				1			2010 20227	toocooment. I	to changes re	portou. No ro	Ported problem	110	+
Roof	20	\$44,120	0	0	5		Standing sear	m metal roof.					1
		, ,	\$0	\$0	\$2,206								
							2013 assessr	ment - no repo	rted problems				
							2014 assessr	nent: Roof ins	pected, repair	ed as neces	sary.		
							2015 - 2022 A	Assessment: N	No changes re	ported. No re	ported probler	ms	
Glazing	0	\$0	0	0	0		N/A				ļ		
<u> </u>			\$0	\$0	\$0		<u>                                     </u>			<u> </u>	1		4
				H			2018 Assessr	ment: No char	nges reported.	No reported	problems.		+
<del>                                     </del>	-			<u> </u>			2019 Assessr	annati Na alaa		No second and			+
				1			Steel vertical		iges reported.	по геропеа	problems.		+
				h h			Steel vertical	siding.					+
				<del>                                     </del>			2021 - 2022 A	Assessment: N	No changes re	ported No.re	eported proble	ems	+
				† †						1			1
Cladding	24	\$52,944	0	0	5	95	1						
			\$0	\$0	\$2,647	\$50,297							
							2013 assessr	ment - no repo	rted problems				
							2014 Assessr	ment: No char	nges reported.				
	igsqcut												
				<del>                                     </del>			2015 - 2022 A	Assessment: N	No changes re	ported. No re	ported probler	ms	
	$\vdash \vdash \downarrow$			<del>                                     </del>									+
				<del>                                     </del>			<del>                                     </del>						
<del>                                     </del>	$\vdash \vdash \vdash \mid$			<del>                                     </del>			<del>                                     </del>						+
<del> </del>				<del>                                     </del>			<del>                                     </del>			1	+	1	+
Campus: Greenville	$\vdash$			Use Types:			Original construction	n data unimanii	Duit on port of all t	oiraroundo nom	owned by MCC		+

Bldg. No: 16				100% Storage	е								
Building: Greenville P	ole Barn	l											
Area: 4,900sf	Yr Bu	ilt: 1970	Floors: 1										
	CRV of System Pct. of system value to budget for repair/replacement:				placement:								
System	%	\$	Immediate	1-5 Years	6-10 Years	11+ Years	System/Comp	onent Notes					
HVAC	2	\$4,412	0	0	0	100	N/A						
			\$0	\$0	\$0	\$4,412							
							2014 assessment: Gas fired infrared heater ad			iter added.			
							2015 - 2022	Assessment:	No changes re	ported. No re	ported problei	ms	
	4												
Plumbing/Drainage	0	\$0	+	0		100	N/A						
			\$0	\$0		\$0	ļ	Ш				<u> </u>	
							2018, 2019, 2021, 2022 Assessment: No changes reported.					orted problems	3.
								<b>H</b>					
Primary/Secondary	0	\$0		0 \$0		100 \$0	N/A						
	+		\$0	\$0	\$0		2014 assess	<u>II</u>	H			<u> </u>	
	+							ded to building	ll Lta aupport lin	itad liahtina s	and booter		
	+						rower exteri	II	io support iiii		iliu lieatei.		
	+						2015 - 2022	Assessment:	II No changes re	norted No re	norted proble	ns ms	
	11 1						2010 2022		l silanges re	10000	police problem	1	
Lighting	0	\$0	0	0		100	N/A	ii e	l				
		, .	\$0	\$0	\$0	\$0		11	İ				
							2018, 2019,	2021, 2022 As	sessment: No	changes rep	orted. No repo	orted problems	5.

	1					П		I	II	1		1	
Campus: Greenville				Use Types:		Notes:	Original construction	an data unknown	Built as part of old t	airarounda nowa	owned by MCC		
Bldg. No: 16	+ +		-	100% Storage		Notes.	Original Construction	on date dikilowii.	Built as part of old	aligiounus, now c	Whed by MCC.	+	
Building: Greenville Pol	le Barn	,		100 /0 Otorage	,	1			ii -			†	
Area: 4,900sf	Yr Built: 1970		Floors: 1										
7.1.001.1,00001	11111												
	CRV of System		Pct. of s	system value to bu	dget for repair/rep								
System	%	8	Immediate	1-5 Years			System/Component Notes						
Voice/Data	1	\$2,206	0	0	0	100	N/A						
VOICE/ Data	<del>  ' </del>	\$2,200	\$0	\$0			IN/A				<del> </del>	1	
			Ψ	Ç			2014 assess	ment: data c	n ahlina extende	d to building t	to support se	curity	
							2014 assessment: data ca		l	a to ballaling		J	
							ouniora, o y o c	<u> </u>					
							2018, 2019,	2021, 2022 As	sessment: No	changes rep	orted. No rep	orted problems	S.
				1			, , , , , ,						
Ceilings	0	\$0	0	0	0		N/A		ĺ				
-			\$0	\$0	\$0	\$0							
							2018, 2019,	2021, 2022 As	ssessment: No	changes rep	orted. No rep	orted problems	S.
Walls/Casework	0	\$0	0	0	0		N/A						
			\$0	\$0	\$0								
							2018, 2019,	2021, 2022 As	sessment: No	changes rep	orted. No rep	orted problems	3.
Doors	5	\$11,030	0	0			2 new overhe	ead doors, 3 n	nan doors				
			\$0	\$0	\$0								
							2013 - 2022 Assessment - no reported problems.						
Floors	14	\$30,884	0	0	0	100	Concrete sla	b floor					
			\$0	\$0	\$0								
							2013 - 2022 assessment - no reported problems.						
Bldg., Fire, ADA, Elevators	0	\$0	0	0			N/A						
			\$0	\$0	\$0								
							2018, 2019,	2021, 2022 As	ssessment: No	changes rep	orted. No rep	orted problems	S.
				1									
Immed. Site, Ext. Ltg., etc	4	\$8,824	0	_			No reported	problems	<u> </u>			1	
			\$0	\$0	\$0								
	$\sqcup$			<u> </u>			2013 assess	ment - no rep	orted problems				
	$\sqcup$			<u>                                     </u>									
				<u>                                      </u>			2014 Assess	ment: No cha	nges reported.		ļ	ļ	
				<b> </b>									
				<u> </u>			2015 - 2022	Assessment:	No changes re	ported. No re	ported proble	ms	
				<b> </b>		<b>   </b>					ļ	1	
	$\sqcup$			<u> </u>		<b>  </b>			<u> </u>				

CRV Totals:	100	\$220,600	\$0	\$0	\$4,853	\$215,747	\$220,600								
Priority Issues Data							0-5 Year Cumulative Data								
	\$220,600	\$0	\$0	0.0%	GOOD	\$0	\$0	0.0%	\$4,412	GOOD					
	CRV	DMB	EXCESS	FCI	RATING	DMB	EXCESS	FCI	\$/YR MAINTAIN	RATING					
						ĬI									