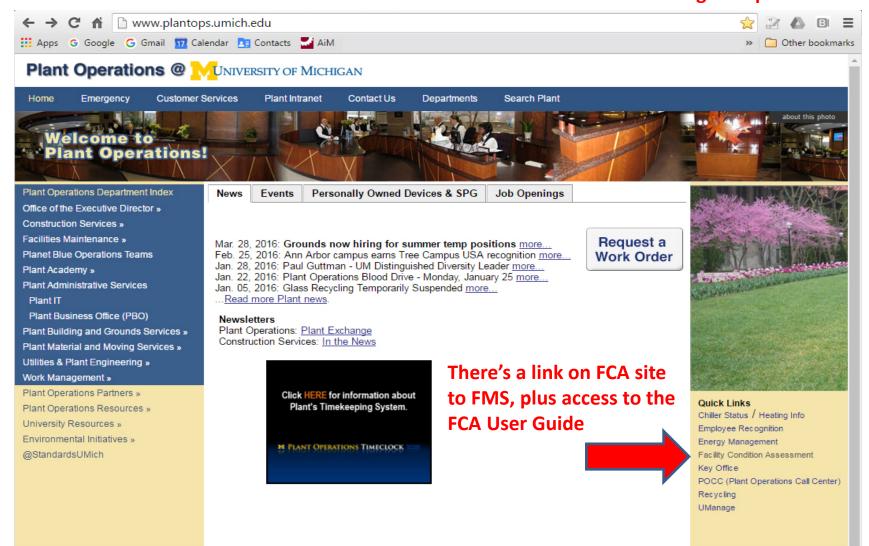
AiM FMS FCA User Guide Planning and Needs Analysis Module

November 2016

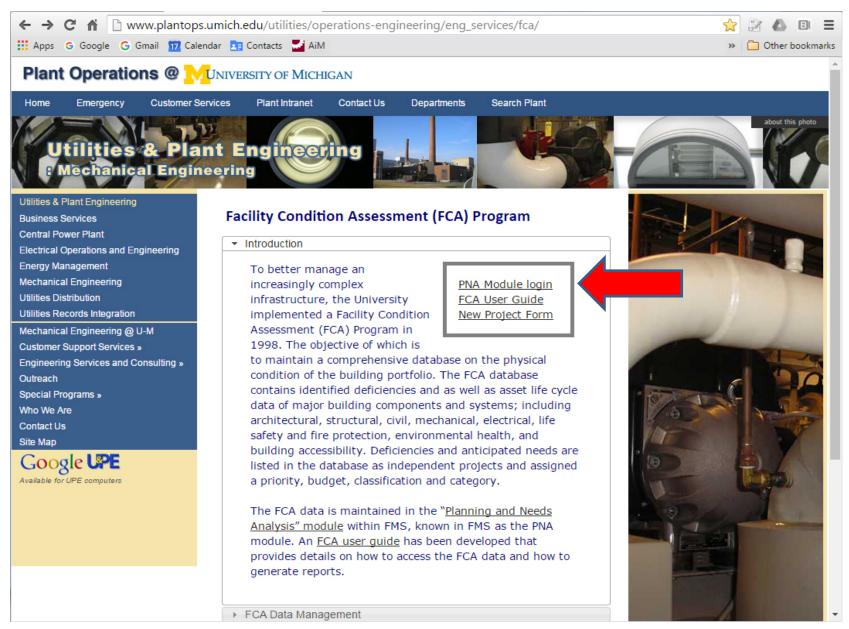
FCA Data resides in FMS

* Recommend using <u>GOOGLE</u> <u>CHROME</u>, formatting is better when viewing all reports



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* Recommend using GOOGLE CHROME, formatting is better when viewing all reports



https://fms.bf.umich.edu/fmax/login

AssetW © RKS		
		AiM
	User Name Password	Login

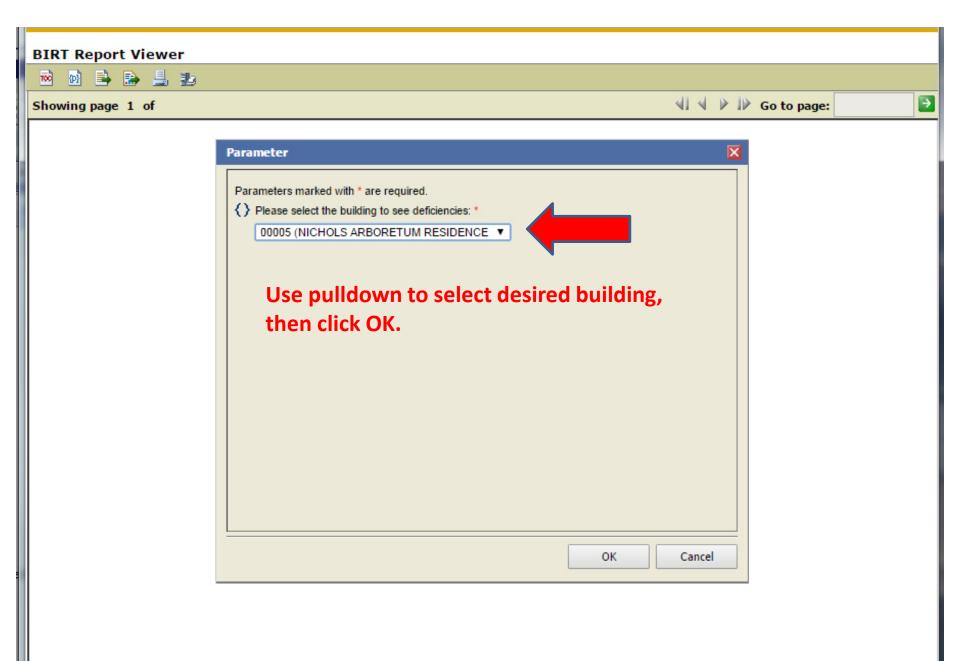
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Login using umich user name and kerberos password

AiM WorkDesk	MICHAEL	About	Help	Logout
Add Restore				
Menu 🔺	Personal Query Listing		•	G O
Work Management Accounts Payable AiMport Asset Management Condition Assessment Contract Administration Customer Service Estimating				
Finance				
Human Resources IQ Inventory Key Performance Indicators				
Planning and Needs Analysis Preventive Maintenance Project Management	aka FCA Module			
Property Purchasing Time and Attendance System Administration	Note: You may not see all of thsee other modules			
©2015 AssetWorks				

AiM Planning and Needs Analysis Add Restore Menu A	MICHAEL About Help Logout
Q Image: Condition Assessment Asset Profile Q Image: Assessment Deficiency Q Image: Cost Model Q Image: Strategic Plan Q Image: Cost Model Adjustment Q Image: Cost Model Adjustment Q Image: Property Needs Analysis Setup Image: Cost Adjustment	 REPORTING LISTING (Use to generate basic FCA reports) 1. Most users can obtain the information that they are after in this section. 2. Reports are being developed and will be added to this section. 3. Current reports include: "Asset Deficiencies Custom" - Generates custom reports with several fields to search on.
Q Assessment Deficiency Status Q Cost Model Type Q Strategic Plan Type Q Strategic Plan Type Q Strategic Plan Status Q Planning Group Q Priority Q Inflation	 (Note: Custom report only appears to F&O architects and engineers) "Asset Deficiencies by BLG" - Generates standard FCA Report for any building. "FCI" - Generate "Facility Condition Index" = Deferred Maintenance / Replacement Cost. "FCNI" - Generate "Facility Condition Needs Index" = Entire Backlog / Replacement Cost. Matrix - Backlog report by category & priority (Note: Only available to select few)
Asset Deficiencies Custom Asset Deficiencies by BLD FCI FCNI Matrix	

AiM Planning and Needs Analysis	MICHAEL	About	Help	Logout
Add Restore Menu				
Setup Q Assessment Deficiency Status Q Cost Model Type Q Strategic Plan Type Q Strategic Plan Type Q Strategic Plan Status Q Planning Group Q Priority Q Inflation				
Report Listing Asset Deficiencies Custom Asset Deficiencies by BLD FCI FCNI Matrix	 "Asset Deficiencies by BLG" The most common report. Generates a standard FCA Report for any building. Use this report when searching for all needs within a given building. 	<u>z</u> .		
©2015 AssetWorks				



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owingpage	1 of 3							ৰা ৰ
		A	sset Deficienc	ies by Build	ing			
lding:		this to export to PDF or other	format			Report as it	: appears usi	ing GOOGLE
```		this to export to Excel				CHROME.	l <mark>f you use</mark> an	other browser
	<b>`</b>	this to select another building	g if desired			formatting	may appear	differently.
EFICIENCY	TITLE		COST	PRIORITY	CLASS	SOURCE	YEAR	STATUS
00005EL01	UPGRADE INT TO INCLUDE I	TERIOR / EXTERIOR ELECTRICAL	\$24,252.31	2	DM			OPEN
The interior e wiring, and s	electrical system everal wire runs	(switches, receptacles, wiring, and ele and outlets were not grounded. The	ectrical panels) within e is an increased ne	n this acility vary ed for properly g	r in age and life cycl rounded and reliabl	e. The wiring is p e power in facilitie	rimarin the old a es that are utilize	asbestos coth type ed by students, as
computers ar	nd other sensitiv	e equipment are often used. Most of t	he interior electrical	system needs to	be replaced very qu	lickly due to its de	eteriorating state	and the age and
time, and ens	sure proper grou	cility. New panels with adequate sizin inding of the building's electrical syste	m. Replace distribut	ion wire as need	led. The light fixture	es also vary in age	e and life cycle.	t is recommended
that new fixtu	ires be added in	each room and that the corridor and i	estroom lighting als	be upgraded.	-			
00005ES01	WEST BASEM REPLACEME*	ENT WINDOW AND DOOR	\$4,137.44	2	DM			OPEN
The window	door, and ope				/			, window, and
door assemb	lies is recomm	COST Pallacele and A /F to			SOURCE			n otif of the rest
of the house.		Ballpark project cost, A/E to	validate		Source used fo	or funded item	ns	
00005ES02	REFURBISH							OPEN
	k patio area is	PRIORITY			YEAR			the enclosure
	ded to restore t ask repairs and	1 = Failed item, address in cu	rrent vear		If Year < curre	nt = year it wa	as completed	inded exterior
		2 = Goal is to address in  2 -5	•		If Year > curre	nt = then targ	et date	
00005ES04	EXTERIOR T	3 = Goal is to address in  2 = 3	•					OPEN
	e exterior ceda	4 = Goal is address via major	•		STATUS —			in need of
epair on the protect the fa	east gable. It i cility.	,			OPEN = unfun	had assassme	ont deficiency	weather-
00005ES05	REPLACE ~3	CLASS	/		ACTIVE = unfu		and denote ity	OPEN
	ROOF	DM = Deferred Maintenance			COMPLETE = c		contract	OFEN
The existing	shingles are be	CR = Capital Renewal			FINAL = compl	•		
00005FS01	IMPROVE GU AREAWELL	PA = Plant Adaption						OPEN
	otecting the ba	•						here, it is
	infill the guard pipes as appr							or horizontal) andrail system.
		ve mstalleu on uns stall.						muran system.
		SIGNAGE AND EMERGENCY						

Ine building has no exit signs or emergency egress lighting units. Both are necessary to illuminate and direct the orderly and rapid evacuation of the building during times of an emergency. Self-illuminated exits signs and egress lighting units with battery and charger power packs are recommended.

BIRT Report Viewer				
🖻 💩 🚔 🔛 📕 🐉				
Showing page 1 of 3				41 4 🕨 🕪
	Asset Deficiencies by Buildi	ng		
Building: NICHOLS ARBORETUM RESIDENCE 00005 Use this to export report	to PDF, or other format			
V Se this to export report	to excel			
Use this to select other b	uildings if desired	ens this dialog box		
DEFICIENCY TITLE	COST PRIORITY	CLASS SOURCE	YEAR	STATUS
1000005EL01 UPGRADE INTERIOR / EXTERIOR ELECT TO INCLUDE LIGHTING	RICAL \$24,252.31 2	DM		OPEN
The interior electrical system (switches, receptacles, wirin wiring, and several wire runs and outlets were not ground computers and other sensitive equipment are often used. type of construction of this facility. New panels with adequ time, and ensure proper grounding of the building's electr that new fixtures be added in each room and that the corr         1000005ES01       WEST BASEMENT WINDOW AND DOOR REPLACEMENT         The window, door, and opening framing within the confindoor assemblies is recommended. Work should include i of the house.         1000005ES02       REFURBISH SCREEN PORCH	ELEMENT_117 ELEMENT_118 ELEMENT_11 To export, use pulldown to select ELEMENT_11	▼ Selected Columns		d asbestos cloth type ized by students, as ate and the age and nout the facility at one e. It is recommended OPEN raming, window, and eneral motif of the rest OPEN
The rear brick patio area is now covered by a screened p is recommended to restore the feature. Repair the framin painting to mask repairs and unify the appearance of the			•	ding of the enclosure commended exterior
1000005ES04 EXTERIOR TRIM REPAIR AND PAINTING Generally, the exterior cedar siding application is in good repair on the east gable. It is recommended that the wate protect the facility.	Output encoding:  UTF-8	▼ blank,use the local encoding)		OPEN onents in need of operly weather-
1000005ES05 REPLACE ~30 YEAR OLD PITCHED SHIN ROOF	Separator: Comma ( , )	blank, use the local encoding)		OPEN
The existing shingles are beyond thier life expectancy an				
1000005FS01 IMPROVE GUARD AND HANDRAILS ON I AREAWELL	Export column's data type     Export data with Carriage Return	ort column as locale neutral		OPEN
The guard protecting the basement stairwell is a two-rail ( necessary to infill the guard systems with material which v steel rods (or pipes as appropriate) be added to close the A steel pipe handrail should be installed on this stair.		ОК	Cancel	nch sphere, it is ertical (or horizontal) s no handrail system.
1000005FS03 INSTALL EXIT SIGNAGE AND EMERGENO	\$4,362.39 2	PA		OPEN

The building has no exit signs or emergency egress lighting units. Both are necessary to illuminate and direct the orderly and rapid evacuation of the building during times of an emergency. Self-illuminated exits signs and egress lighting units with battery and charger power packs are recommended.

AiM Planning and Needs Analysis Add Restore Menu	MICHAEL	About	Help	Logout
<ul> <li>Condition Assessment Asset Profile</li> <li>Assessment Deficiency</li> <li>Cost Model</li> <li>Strategic Plan</li> <li>Cost Model Adjustment</li> <li>Property Needs Analysis</li> </ul> Setup <ul> <li>Assessment Deficiency Status</li> <li>Cost Model Type</li> <li>Strategic Plan Type</li> <li>Strategic Plan Type</li> <li>Strategic Plan Status</li> <li>Planning Group</li> <li>Priority</li> <li>Inflation</li> </ul> Report Listing <ul> <li>Co</li> <li>Asset Deficiencies Custom</li> <li>Asset Deficiencies by BLD</li> <li>FCI</li> <li>FCNI</li> <li>Matrix</li> </ul>	<ul> <li>"Asset Deficiencies Custom"</li> <li>Generates custom reports with several fields to search on.</li> <li>Note: Custom report only appears to F&amp;O architects and engineers.</li> <li>Search fields include: <ul> <li>Non-completed, Completed or both</li> <li>Campus, Region or Sub-region</li> <li>Planning Group</li> <li>Priority</li> <li>Renewal Year</li> <li>Funding Source</li> </ul> </li> </ul>			
O2015 AssetWorks				

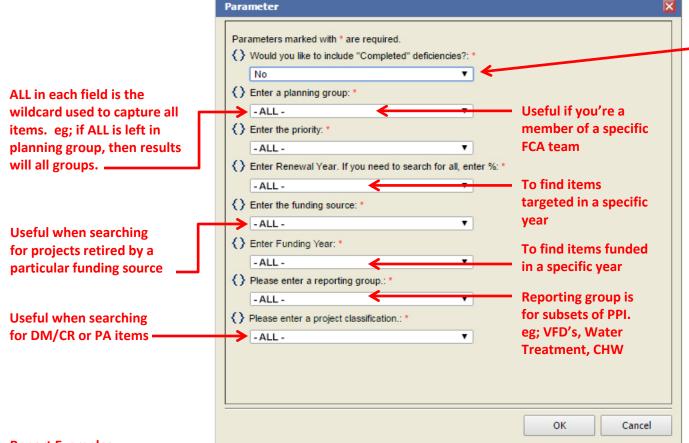
#### Asset Deficiencies Custom Report

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Showing page 1 of

Use pulldown to select desired search parameters, you can search on .

For instructions on how to export the report, refer to the instructions provided for exporting a BLD report outlined previously.



If you want to include completed items change to "yes". If you're searching on particular year, or funding source, be sure to change this to "yes".

**Report Examples:** 

Give me all of the unfunded, priority 1 items: Leave Completed = No, Priority = 1, leave ALL other fields. Give me all of the unfunded, priority 2 items for HV: Leave Completed = No, Planning group = HV, Priority = 2, leave ALL other fields. Give me all of the projects funded in FY16: Change Completed to YES, Select 2016 in "Funding Year", leave ALL other fields.

#### AiM Planning and Needs Analysis

#### Add Restore

#### Menu

- 🔍 🖹 Condition Assessment Asset Profile
- Q 🖺 Assessment Deficiency
- 🔍 🖺 Cost Model
- 🔍 🖺 Strategic Plan
- 🔍 🖺 Cost Model Adjustment
- 🔍 🖺 Property Needs Analysis

#### Setup

Q 🖺 Assessment Deficiency Status

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- 🔍 🖺 Cost Model Type
- 🔍 🖺 🛛 Strategic Plan Type
- 🔍 🖺 🛛 Strategic Plan Status
- 🔍 🖺 🛛 Planning Group
- 🔍 🖺 Priority
- 🔍 🖺 Inflation

#### Report Listing Asset Deficiencies Custom



### "FCI" and "FCNI" – Generate condition index reports.

- FCI is calculated by taking the unfunded "deferred maintenance backlog" and dividing by the facility replacement cost.
- FCNI is calculated by taking the "total unfunded backlog" and dividing by the facility replacement cost.
- The lower the FCI & FCNI values the better the condition of a building.
- Report can be generated for ALL buildings, the General Fund buildings, or BOTH.
- BOTH includes only the buildings that are shared between Auxiliaries and General Fund.

For instructions on how to export the report, refer to the instructions provided for exporting a BLD report outlined previously.

AiM Planning and Needs Analysis	N	MICHAEL	About	Help	Logout
Add Restore					
Menu 🔺					
Condition Assessment Asset Profile     Assessment Deficiency					
Q 🖺 Cost Model					
Q 📔 Strategic Plan Q 📔 Cost Model Adjustment					
Q 🖺 Property Needs Analysis					
Setup 🔺					
Q 📔 Assessment Deficiency Status Q 📔 Cost Model Type					
🔍 🖺 Strategic Plan Type					
Q 📔 Strategic Plan Status Q 📔 Planning Group					
Q 📔 Priority Q 📔 Inflation					
Report Listing   Asset Deficiencies Custom	"Matrix"				
Asset Deficiencies Custom Asset Deficiencies by BLD	Only available to select few.				
FCI FCNI	• This report provides backlog totals by category and priority				
Matrix	and includes DM, CR & PA backlog totals.				
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# **Understanding FCA Data**

# Two types of FCA Items

# Original ISES data migrated as non-recurring

#### Lifecycle Renewal (Recurring)

**Condition Assessment Asset Profile** 

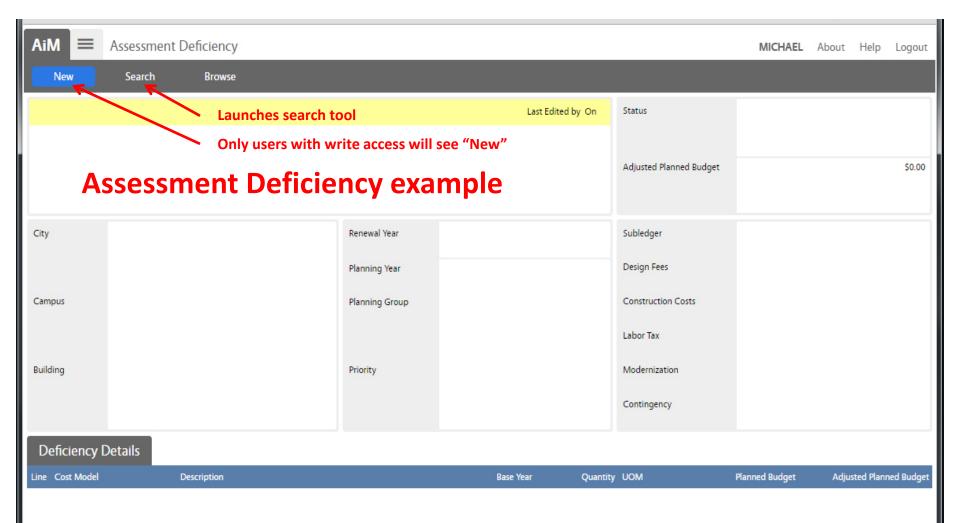
Lifecycle Assessment Cost Model (Renewal Cost) **Recommended Project (Non-Recurring)** 

**Assessment Deficiency** 

Project Assessment Cost Model (Deficiency Estimate)

FCA data contains both recurring (lifecycle) and non-recurring items (one-time repair)

Planning and Needs Analysis	MICHAEL About Help Logout
Add Restore	
hu Condition Assessment Asset Profile Assessment Deficiency Cost Model Strategic Plan Cost Model Adjustment Property Needs Analysis	<ul> <li>Condition Assessment Asset Profile contains recurring items.</li> <li>(Replacement of Assets based on life cycle)</li> <li>Assessment Deficiencies contains one time repairs, or a group of Assets as single project. (Original ISES data migrated as Assessment Deficiencies)</li> </ul>
etup	
Report Listing     Image: Comparison of the second se	
©2015 AssetWorks	



There is a similar screen for Condition Assessment Asset Profile Details on pages following Assessment Deficiency example.

AiM = Assessment	Deficiency		MICHAEL About Help Logout
Execute Advanced Searc	h Reset		
Action	Display Order	Sort Operator	
New Query	Deficiency	- •	Use when Deficiency number is known
View	Description	- <ul> <li>contains</li> </ul>	Search based on partial project title
	Status	- •	Search for Open vs Completed
Enter desired	City	- • = •	Q
criteria and click	Campus	- 7 = 7	Q
"Execute"	Building	- 7 = 7	Search for select building
	Renewal Year	- Y = Y	Search for items for a select year
	Planning Group	- • = •	Search for select group (Useful for FCA Teams)
	Priority	- • = •	Search for items by priority (Useful for FCA Teams)
	Subledger	- ▼ = ▼	
	Design Fees	- • = •	
	Construction Costs	- • = •	This series not current being used
	Labor Tax	- • = •	<b>Y</b>
	Modernization	- T = T	<b>V</b>
	Contingency	- T = T	
	Extra Description	- 🔻 contains 🔻	Search based on partial project description
	Edit Date	- •	
	Editor	- •	 

Similar search feature exist for Condition Assessment Asset Profile

Search for select Reporting Group (Use magnifying glass for options)

AiM = Assessment	Deficiency				MICH	IAEL About Help Logout
Edit New	Search	Browse				
Action	1000065HV0	9	Last Edited by MICHAEL BO	WEN On 01/28/2016 11:27 AM	Status	OPEN
<u>Copy</u>	REPLACE HEAT PU	JMP UNITS				See below
<u>Email</u> <u>Print</u>	This descri	otion is project TITLE			Adjusted Planned Budget	\$935,000.00
View						
Extra Description	City	AA If Renewal Year < current year,	Reflewal fedr	2018 If Renewal Year > current year,	Subledger	No These apply to
Classification Standard Assessment Activity		then = actual ye ANN ARBOR	ear Planning Year	then = target year Team assigned to	Design Fees	Cost Model and No are not currently being
Sent Email Notes Log	Campus	MEDCAMP	Planning Group	HV prioritize item with other needs	Construction Costs	No used.
<u>User Defined Fields</u> <u>Status History</u>		MEDICAL CAMPUS		HVAC 1 = Address this year	Labor Tax	No
Related Documents	Building	00065	Priority	2 = 2 - 5 years 3 = 6 - 10 years 4 = Greater than 10 yrs	Modernization	No
		VAUGHAN VICTOR C HOUSE		YEAR TWO TO FIVE	Contingency	No
	Deficiency	Details				
	Line Cost Model	Description	Base Year	Quantity UOM	Planned Budg	get Adjusted Planned Budget
	1	REPLACE HEAT PUM	IP UNITS 2016	1.0000 EA	\$935,000	.00 \$935,000.00

All original FCA projects migrated as non-recurring deficiencies. Currently working towards moving recurring items from Assessment Deficiencies to Condition Assessment Asset Profile section. This effort will take significant effort to complete.

#### STATUS OPTIONS:

OPEN = Unfunded PLANNING = Current year consideration FINAL = Associated with a WR CANCELLED, possibly to Asset Profile COMPLETED = via an AEC project

Last

Next

Q

Edit New Action Copy Email Print View			Edited by MICHAEL BO\	WEN On 01/28/2016 11:27 AM	Status Adjusted Planned Budget	<u>OPEN</u> \$935,000.00
Extra Description Location And Asset Classification Standard Assessment Activity Sent Email Notes Log User Defined Fields Status History Related Documents	Campus <u>M</u> N Building <u>Q</u>	To view WR activity select "Assessment Activity" MEDICAL CAMPUS Funding source, Classification, etc.	Renewal Year Planning Year Planning Group Priority	2018 HV HVAC 2 YEAR TWO TO FIVE	Subledger Design Fees Construction Costs Labor Tax Modernization Contingency	No No No No
	Deficiency De Line Cost Model 1 Look for er reports, Ol	Description REPLACE HEAT PUMP UNITS	Base Year	Quantity UOM 1.0000 EA	Planned Budg \$935,000.	

AiM = Assessment Activity		MICHAEL	About	Help	Logout
< Back					
1000181PL06	Last Edited by ALFONSO VIGGERS On 07/23/2015 02:47 PM				
DCW BOOSTER PUMP REPLACEMENT					
Assessment Activity					
Capital Project Work Order	Status				
1848455-2013	CLOSED				
	a Work Order then the W will appear here. Click t				

AiM = Work Order	V	Vork Ord	ers can be linked to	Asse	ssment D	eficiencies		м	ICHAEL About Help Logou
Edit Search	Browse								
Action ViewFinder Email Print View	1848455-2013					d By TERESA BURHANS On 11/30/2012 01:11 PM by ALFONSO VIGGERS On 07/23/2015 02:47 PM			CLOSED INFPPI-2014 PPI FUNDED PROJECTS FY14 Jun 28, 2013 \$90,000.00
Extra Description <u>Reference Data</u> Account Setup Budget Change Order <u>Cost Analysis</u> <u>Assessment Deficiency</u>	Organization Requestor	<u>678746</u> <u>678746</u>	If a WO has an associated Assessr Deficiency you can access it here		City Campus	<u>AA</u> ANN ARBOR <u>CENTCAMP</u>		Problem Code Type	PROJ PROJECTS C CUSTOMER
<u>Condition Assessment Information</u> Sent Email <u>Notes Log</u> <u>User Defined Fields</u> <u>Status History</u>	Contact Contact Phone Contact Email	734-647-579	MIKE BOWEN 734-647-5797 MBOWEN@UMICH.EDU		Building	CENTRAL CAMPUS 00181 HATCHER H SOUTH GRAD		Category Job Priority	CUSTOMER NONFIXED PRICE
Related Documents	Phase								
	Phase	Description		Locati	on	Shop	Work Code	Priority	Status
	<u>001</u>	BOOSTER PU	MP REPLACEMENT			U4000	XXXX	04	CLOSED
	002	BOOSTER PU	MP REPLACEMENT			M2550	XXXX	04	CLOSED
	003	[P]DEVELOP	JOB PLAN- PLANNER(MARK)	С		M1260	PLAN	05	CLOSED
	004	[P]DISCOVER	RY PHASE 1(ELEC)1HR			M2550	R941	04	CANCELLED
	005	[PC]COORD	NATE WORK FLOW	С		M3000	C965	05	CLOSED
	<u>006</u>		ENT AND FIBERGLASS REMOVAL RS***THIS IS PHASE 35***	c		M3300	C539	05	CLOSED
	007	[PC]MOVE N	ATERIAL INTO WORK SPACE.	С		\$5100	M825	05	CLOSED
Record 1 of 1 Go			First		Previous	Next	Last		<u>ୁ</u>

AiM 🔳	Condition Assessment Asset Profile		MICHAEL About Help Logout
New	Search Browse		
		Last Edited by On	
	<b>Condition Assessment Ass</b>	For RECURRING Assets: Roofs, Elevators, Chillers, AHU's, Substations, etc.	
City	Install Year	Users can see target renewal y	
Campus	Physical Life (Years) Physical Life Adjustme		ustments
Building	Remaining Life (Years) Renewal Year	Target Year	
Location	Cost Model	Cost Model has not been developed. Ultimately	Status Asset Type
Planning Year Planning Group	Base Year Complexity Factor	will contain replacement cost and life cycle data.	Asset Group
Priority	Renewal Cost Adjusted Renewal Cos	ıt	UOM Quantity

AiM 🔳 Co	st Model				MICHAEL	About	Help	Logout
New	Search Browse							
			Last Edited by On	Active				
	Model has not bee mately it will contai	n developed. n replacement cost		Туре				
and	life cycle data.	Base Year						
UOM				Labor				
Physical Life (Years)				Material				
Property Class				Equipment				
Standard				Contract				
				Total				\$0.00
Climate Zone								
Zone	Description					Physica	l Life (Yea	rs)

AiM 🔳 Master Asset	t Profile	Condition Assessmen	t data can be	accessed from any Asset		MICHAEL A	bout Help	J Logout
Search Browse								
Action	00158-CTR1		Last Edite	d by MICHAEL BOWEN On 05/09/2016 01:26 PM				
External Url	CENTRIFUGAL CH	ILLER #1 @ CHEMISTRY						
ViewFinder								
Email								
Print								
View								
Extra Description	City	<u>AA</u>	PM Route					
Reference Data		ANN ARBOR						
Classification Standard	Campus	CENTCAMP	Route Sequence					
Attributes		CENTRAL CAMPUS	Lashert (Tanara					
Relocation	Duthten		Lockout/Tagout	No				
Account Setup	Building	00158						
Warranty		CHEMISTRY	Manufacturer	YORK	Status	ACTIVE		
Parts List	Location	<u>1601</u>			Asset Type	SERIALIZED		
Active PM Templates		MECHANICAL AREA						
Meters	Warehouse		Model	YKM4MQK2-DBG	Asset Group	CHILLCENT		
Locations Served		Click to access	Serial Number	SBAM-578530		CENTRIFUGAL CHILL	ER	
Condition Assessment	_	Condition	Part		Rentable	No		
Condition Assessment Employees		Assessment data	- unc					
Replacement Tag History		Assessment uata			Replacement Tag			
Sent Email								
Notes Log	Component	t Asset						
User Defined Fields	Sequence Asset	Description		Asset Type	Asset Group	Replacement Tag	Statu	5
Status History								
Related Documents								
Record 1 of 1 Go			First	Previous Next Last				R I

AiM 🔳 Assessment I	Deficiency	Addi	ng a Asse	ssment D	eficiency -	– page 1	MICHAEL	About Help Logout
Edit New	Search	Browse						
Action	1198			Last Edited by MICH/	EL BOWEN On 03/28/2016 08:2	24 AM Status	FINAL	
<u>Copy</u> Email	REPLACE VFD'S S	ERVING EXHAUST	FANS EF-1A, EF-1B, EF-2A, EF-	-2B				
Print	Step 1: E	nter project	title			Adjusted Planned Budge	t	\$90,000.00
View	Step 7:	Enter projec	t description					
Extra Description	City	AA	Step 2: Select	Renewal Year	2017	Subledger	No	
Classification Standard Assessment Activity	Step 8: Link	ANN ARBOR	City, Campus, Building	Planning Year	Step 3: Target ye	ear Design Fees	No	
Sent Email Notes Log	Asset Campus	CENTCAMP		Planning Group	HV Step 4: Group	Construction Costs	No	
User Defined Fields Status History		CENTRAL CAMP	US		HVAC	Labor Tax	No	
Related Documents	Building Step 9:	00208		Priority	2 Step 5: Priority	Modernization	No	
Step 10: Attach Related Documents (Studies, Reports,	Populate UDF's	RANDALL HARR	ISON M LABORATORY		YEAR TWO TO FIVE	Contingency	No	
Estimates, etc.)	Deficiency	Details						
	Line Cost Model		Description		Base Year Quantity	y UOM Plan	ned Budget	Adjusted Planned Budg
	1		REPLACE VFD'S SERVING EX 1B, EF-2A, EF-2B	KHAUST FANS EF-1A, EF-	2015 4.0000	) EA	\$22,500.00	\$90,000.0
Step 9: Only applicable after you create UDF's			Step 6: Copy Tit	tle, enter base yea	r, add quantity, add	budget		
	NOTE	: You no	eed to have	write acces	s to add item	IS.		
								31
Record 1 of 1 Go				First Previou	Next	Last		<b>a</b>
						0	0	2014

AiM Location A	nd Asset Adding a Assess	ment De	ficiency –	page 2 MICH	<b>AEL</b> About Help	Logout				
Done Car	ncel									
1198	Last Edited by !	MICHAEL BOWEN On 05/	/16/2016 12:35 PM							
REPLACE VFD'S SERVING E	KHAUST FANS EF-1A, EF-1B, EF-2A, EF-2B									
	Step 8 from page 1: Linking									
Location					Remove	Load				
Location	Description	Floor	Location Type	Space Type	Location Status					
Asset				Step 1: Click LOAD	Remove	Load				
Asset	Description	Asset Type	Asset Group	UOM		Value				
00208-E-0013-0	VARIABLE FREQUENCY DRIVE (EF-2A) @ RANDALL	SERIALIZED	VFD	Q						
00208-E-0014-0	VARIABLE FREQUENCY DRIVE (EF-2B) @ RANDALL	SERIALIZED	VFD	٩						
00208-E-0015-0	VARIABLE FREQUENCY DRIVE (EF-1A) @ RANDALL	SERIALIZED	VFD	٩						
00208-E-0016-0	VARIABLE FREQUENCY DRIVE (EF-1B) @ RANDALL	SERIALIZED	VFD	٩						
	Step 2: Using search, identify appropriate Asset(s), check box and click "Done" until you're back at Assessment Deficiency screen									
©2015 AssetWorks	NOTE: You need to have wr		to add items	ō, 		32				

AiM Related Documents	Adding a Assessment Deficiency – p	age 3	MICHAEL About Help Logou
Done Cancel			
1198	Last Edited by MICHAEL BOWEN On 03/28/2016 08:24 AM		
REPLACE VFD'S SERVING EXHAUST FANS	EF-1A, EF-1B, EF-2A, EF-2B		
			Step 1: Click ADD
Document Listing		Attach	Link Remove Add
Thumbnail Title	Current Version Document Type Extra Description		Related On
			Step 2: Next Page
	NOTE: You need to have write access to add items.		
			33
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AiM   New Document	Adding a Assessment Deficiency – page 4 MICHAEL About Help	Logout
Next Cancel		
<u>Upload File(s)</u> Step 4: Click next/done until back at Assessment Deficiency	Title       P11070 DEliverable OPC Memo.pdf         Step 2: Choose Files (Locate on drive and select file(s), click next.	
<b>screen.</b> Add Meta Data	Type ESTIMATE Q Step 3: Select appropriate type (Click magnifying glass for options)	
Add Attributes	Tags	
Add Permissions	Linking Related Documents - Continued	
	File Name(s)       P11070 DEliverable OPC Memo.pdf         NOTE: You need to have write access to add items.	
		34
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## **PROPERTY NEEDS ANALYSIS and STRATEGIC PLAN**

AiM Planning and Needs Analysis	MICHAEL	About	Help	Logout
Add Restore				
Menu 🔺				
Q Condition Assessment Asset Profile Assessment Deficiency				
Q 🖺 Cost Model				
Q 📔 Strategic Plan Q 📔 Cost Model Adjustment				
Q Property Needs Analysis	PROPERTY NEEDS ANALYSIS (Requires write access to develop plans)			
Setup	1. This is where you establish Planning Year for selected items.			
Q Assessment Deficiency Status	2. You need to complete Property Needs Analysis before developing a STF	<b>KAI EGI</b>	C PLA	AIN
Q 🖺 Cost Model Type Q 📔 Strategic Plan Type				
🔍 皆 Strategic Plan Status				
Q 📔 Planning Group				
Q Priority Q Inflation				
Report Listing 🔺 🗹 😫				
Asset Deficiencies Custom				
Asset Deficiencies by BLD				
FCI FCNI				
Matrix				
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## **PROPERTY NEEDS ANALYSIS (Requires write access to develop)**

AiM Property Needs An	alysis							MICHA	EL About	Help	Logout
Save Cancel											
View Extra Description Notes Log	City	AA Start by se ANN ARBOR City/Camp	-		2017	Enter de	esired Pla	anning Year			
User Defined Fields Related Documents	Campus	CENTCAMP CENTRAL CAMPUS		Planned Budget Remaining Budget				Budgets are com automatically as are added	•		
	Building	00162 DENTAL W K KELLOGG FOUND	. W K KELLOGG FOUND INST		5240,000.00		0,000.00	Load desire items			
	Ranking				2	C Rankings Remov		Load Asset Renewals	Load Assessment Deficiencie		iciencies
	🔲 Ranking	Need	Description		S	itatus	Renewal Year	Туре	Planned Budg	get	
		ES	EXTERIOR							\$17	5,000.00
	1	1223	INVESTIGAT	E LEAK IN ROOM 6201	F	INAL	2017	Assessment Deficiency		\$	25,000.00
	2	1222	EAST LOAD	ING DOCK REPAIRS	F	FINAL 2017 Assessment Defi		Assessment Deficiency		\$1	50,000.00
		HV	HVAC							\$6	5,000.00
	1 1106	1106	REROUTE STEAM VENT LINE FROM FLASH TANKS		ASH FINAL 2017		2017	Assessment Deficiency		\$35,000.00	
	2	1204	REPLACE VE	D SERVING AHU-3	F	INAL	2017	Assessment Deficiency		S	30,000.00
	You can Rank items here					Note that the status of items has to					

be PLANNING, FINAL OR COMPLETE in order to add them

To develop a Strategic Plan you must first start by developing Property Needs Analysis

AiM Planning and Needs Analysis		MICHAEL	About	Help	Logout
Add Restore					
Menu 🔺					
<ul> <li>Q La Condition Assessment Asset Profile</li> <li>Q La Assessment Deficiency</li> <li>Q La Cost Model</li> <li>Q La Cost Model Adjustment</li> <li>Q La Cost Model Adjustment</li> <li>Q La Property Needs Analysis</li> </ul>	STRATEGIC PLAN (Requires write access to develop plans) * First develop Property Needs Analysis				
Setup					
<ul> <li>Q Assessment Deficiency Status</li> <li>Q Cost Model Type</li> <li>Q Strategic Plan Type</li> <li>Q Strategic Plan Status</li> <li>Q Planning Group</li> <li>Q Priority</li> <li>Q Inflation</li> </ul>					
Report Listing 🔺 🖸 🕄					
Asset Deficiencies Custom Asset Deficiencies by BLD FCI FCNI Matrix					
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# **STRATEGIC PLAN (Requires write access to develop)**

AiM Strategic Plan			MICHAEL About Help Logo	ut
Save Cancel				
View Extra Description Notes Log User Defined Fields Status History Related Documents	FY17 IMF/PPI Enter Title and Description	ast Edited by MICHAEL BOWEN On 09/29/2016 07:56 AM Selec Type	Status PRELIMINARY Q Type Ct appropriate and Status Reference Number	
	End Enter start and end year (They can be the same)	istimated Approval	Needs Identified     \$0.0       Target Budget	)
	Portfolio/Planning Group Description Portfolio is the grouping of building in the Plan. This allows you to creat different groups (General Fund, Ath	ate multiple plans for	C Totals       Load         d       Allocated Budget       Remaining Needs         Load desired Portfolio       Portfolio	

# **STRATEGIC PLAN (Requires write access to develop)**

AiM Strategic Plan										MICHAEL Abo	out Help Logout
Save Cancel											
View	FY17 IME/PE					Created By	On Status	FINALIZED	٩		
Extra Description	EY17 IME/PPI	21				Last Edited by MICHAEL BOWEN On 09/28/2016 12:58	PM Type	IME/PPI	4		
Notes Log User Defined Fields	EY17 IME/PPI						type	IME/PPI			
Status History								r [1			
Related Documents											
	Start	2015		Rev	view Date	May 24, 2016	Needs Identified				\$11,390,000.00
				Est	timated Approval	Jul 01, 2016 💼	Target Budget	Th			\$13,195,610.00
	End	2017					Allocated Budget	In	ese values		\$10,765,000.00
				Act	tual Approval	Jul 11, 2016 💼	Remaining Budge	ca	lculated		\$2,430,610,00
	Years	3		Las	st Updated	Today	Remaining Needs				\$625,000,00
							Remaining Needs	au	tomatically		\$625,000.00
										C Total	ls Load
	Portfolio/Plann	ing Group	Description					Allocation Ne	eds Identified Allocate	d Budget Rema	aining Needs
	GENERAL FUN	D	GENERAL FUND - DOES NOT INCLUDE SHARED BUILDINGS						\$9,890,000.00	\$9,265,000.00	\$625,000.00 \$0.00
	EL		CHILLER	This s	oction	is populated automatically		100.00	\$275.000.00	\$275,000.00	\$0.00
	ES		EXTERIOR					100.00	<u>\$1,810,000,00</u> <u>\$1,550,000,00</u>	\$1,550,000.00	\$0.00
	FS		FIRE/LIFE SAFETY	from	Propert	ty Needs Analysis based on		100.00	\$250,000,00	\$250,000.00	\$0.00
	нс		HANDICAPPED ACCESS					100.00	50.00	\$2.00,000.00	50.00
	HE		HEALTH	Plann	ing Yea	irs			50.00	\$0.00	\$0.00
	HS		HARDSCAPES						50.00	\$0.00	\$0.00
	HV		HVAC	You ca	an oper	n any Category by clicking do	llar 🗾		\$2,055,000.00	\$2,055,000.00	\$0.00
	VFD		VARIABLE FREQUENCY DRIVES			en set priorities within each			50.00	\$0.00	\$0.00
	IS		INTERIOR/FINISH SYS	value		en set priorities within each			<u>so.oo</u>	\$0.00	\$0.00
	PL		PLUMBING					100.00	\$1,460,000.00	\$1,460,000.00	\$0.00
	RF		ROOFS					100.00	<u>\$450,000.00</u>	\$450,000.00	\$0.00
	SA		SAFETY ISSUES						50.00	\$0.00	\$0.00
	SI		SITE						<u>50.00</u>	\$0.00	\$0.00
	SL		SITE LIGHTING	Enter	percen	tage that will be addressed		100.00	<u>\$115,000.00</u>	\$115,000.00	\$0.00
	SS		SECURITY SYSTEMS		-	-			<u>50.00</u>	\$0.00	\$0.00
	UT		UTILITIES						\$625,000.00	\$0.00	\$625,000.00
	VT VERTICAL TRANSPORTATION							100.00	<u>\$1,300,000,00</u>	\$1,300,000.00	\$0.00
	GENERAL FUN	D - SHARE	BUILDINGS THAT INCLUDE BOTH GENERAL FUND AND NON-C	GENERAL FUND SP	PACE				\$1,500,000.00 \$0.00	\$1,500,000.00 \$0.00	<b>\$0.00</b> \$0.00
	EL		ELECTRICAL	Fach	Portfoli	io will appear as a separate s	ection		50.00	\$0.00	\$0.00
	ES		EXTERIOR						50.00	\$0.00	\$0.00
	FS		FIRE/LIFE SAFETY	withi	n the Pl	ian			50.00	\$0.00	\$0.00
	нс		HANDICAPPED ACCESS						<u>\$0.00</u>	\$0.00	\$0.00
	HE		HEALTH						<u>\$0.00</u>	\$0.00	\$0.00
	ня		HARDSCAPES						50.00	\$0.00	\$0.00
	HV		HVAC						50.00	\$0.00	\$0.00
	VFD		VARIABLE FREQUENCY DRIVES						<u>\$0.00</u>	\$0.00	\$0.00
	IS		INTERIOR/FINISH SYS						<u>50.00</u>	\$0.00	\$0.00
	PL		PLUMBING						<u>50.00</u>	\$0.00	\$0.00
	RF		ROOFS					100.00	\$1,500,000.00	\$1,500,000.00	\$0.00
	SA		SAFETY ISSUES						<u>\$0.00</u>	\$0.00	\$0.00
	SI		SITE						<u>\$0.00</u>	\$0.00	\$0.00
	SL		SITE LIGHTING						<u>50.00</u>	\$0.00	\$0.00
	ss		SECURITY SYSTEMS						<u>50.00</u>	\$0.00	\$0.00
	UT		UTILITIES						<u>50.00</u>	\$0.00	\$0.00
	VT		VERTICAL TRANSPORTATION						50.00	\$0.00	\$0.00

## **STRATEGIC PLAN (Requires write access to develop)**

AiM	Stra	tegic Planning Needs					MICHAEL	About	Help	Logout
Don	e	Cancel								
FY17 IMF/PPI       Cr         EY17 IMF/PPI         Screen shot when selecting "Exterior" from Strategic Plan					ted By On 6 12:58 PM	Allocation				50,000.00 100.00 50,000.00 \$0.00
Need				atically from Property Need	-		-	C Totals	C R	Rankings
Ranking		Need 1100 ADDRESS EXTERIOR DOOR	Region/Facility AA CENTCAMP	Building 05188 ROSS SCHOOL OF BUSINESS	Planning Year 2017	Assessment Deficient	Planned Bu :y \$725,00	aget Alloc	cation %	\$0.00 100.00%
2		1221 EXTERIOR WALL AND	AA CENTCAMP	00167 WEST HALL	2017	Assessment Deficient	y \$380,00	0.00		\$0.00 100.00%
3		1222 EAST LOADING DOCK REPAIRS	AA CENTCAMP	00162 DENTAL W K KELLOGG FOUND INST	2017	Assessment Deficient	y \$150,00	0.00		\$0.00 100.00%
4		1223 INVESTIGATE LEAK IN ROOM	AA CENTCAMP	00162 DENTAL W K KELLOGG FOUND INST	2017	Assessment Deficient	y \$25,00	0.00		\$0.00 100.00%
5		1224 INVESTIGATE AND REPAIR	AA MEDCAMP	00065 VAUGHAN VICTOR C HOUSE	2017	Assessment Deficient	y \$250,00	0.00		\$0.00 100.00%
6		1225 BUILDING ENVELOPE	AA CENTCAMP	00166 EAST HALL	2017	Assessment Deficien	y \$20,00	0.00		\$0.00 100.00%
Se	t de	sired ranking								