

Condition Assessment Information System

Latest CAIS Enhancements

Presented by:
Gayle Smith

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CAIS Enhancements

- Nine releases over the last year
- Release memos
 - Outline all enhancements
 - Reference associated Change Request
 - Available at
<https://cais.doe.gov/caisinfo/cr.html>
- Let's take a look at some of the major enhancements ...

- Added an 'All' option to the Site pick list

Asset List

CAIS Condition Assessment Information System
U. S. Department of Energy

Assets ▾ Reporting ▾ Administration ▾ Archive ▾ Tools ▾ Help ▾ × Logout

Field Office: Site Name: Area Name:

Asset List				
	HQ Program Office ▾ <input type="text" value="Select One"/>	Property ID ▾ <input type="text"/>	Property Name ▾ <input type="text"/>	Property Type ▾ <input type="text" value="Select One"/>
IU List	EM	152K	Switchgear Control Building	Building
IU List	EM	1602H	100HX Transfer Building	Building
IU List	EM	1604K	KR-4 Pump and Treat Process Building	Building
IU List	EM	1606K	KR-4 Pump and Treat Transfer Building 2	Building
IU List	EM	1606KA	KX Pump and Treat Transfer Building 2	Building
IU List	EM	1607K	KR-4 Pump and Treat Transfer Building 1	Building

System Level Deficiency Cost

- Defined the System Level, Repair Needs, Deferred Maintenance and Total sections of this window with different color column headings

System Level Deficiency Cost														
	System Level				Repair Needs				Deferred Maintenance				Total	
Volume ▾	Cost	Factor	Percent Failed	DM	Engineered	System Level	IU	Calculation Method	Engineered	System Level	IU	Calculation Method	Repair Needs	Deferred Maintenance
A10-Foundation	\$73,708	1.000	0 ▾	No ▾		\$0	\$0	IU ▾		\$0	\$0	IU ▾	\$0	\$0
A20-Basement	\$10,754	1.000	0 ▾	No ▾		\$0	\$0	IU ▾		\$0	\$0	IU ▾	\$0	\$0
B10-Superstr.	\$62,344	1.000	0 ▾	No ▾		\$0	\$0	IU ▾		\$0	\$0	IU ▾	\$0	\$0
B20-Ext. Closure	\$37,619	1.000	0 ▾	No ▾		\$0	\$0	IU ▾		\$0	\$0	IU ▾	\$0	\$0
B30-Roofing	\$32,991	1.000	0 ▾	No ▾		\$0	\$0	IU ▾		\$0	\$0	IU ▾	\$0	\$0
C10-Int. Const.	\$4,863	1.000	0 ▾	No ▾		\$0	\$0	IU ▾		\$0	\$0	IU ▾	\$0	\$0
C20-Int. Stairs	\$3,437	1.000	0 ▾	No ▾		\$0	\$0	IU ▾		\$0	\$0	IU ▾	\$0	\$0
C30-Int. Finish	\$24,080	1.000	0 ▾	No ▾		\$0	\$0	IU ▾		\$0	\$0	IU ▾	\$0	\$0
D10-Conveying	\$0	1.000	0 ▾	No ▾		\$0	\$0	IU ▾		\$0	\$0	IU ▾	\$0	\$0
Totals:					\$0	\$0	\$0		\$0	\$0	\$0		\$0	\$0

IU List

- Added a  button to allow multiple IU records to be copied to one or more assets
- Added the  button
- Capability to set the IU List Advanced Filters as your default using the My Profile page
- Added a  button to allow one or more selected IU(s) to be permanently deleted

IU List Window (partial)

IU List								
Select IU		IU Number	Component	Type	Deferred Maintenance	Inspector Name	Deferred Maintenance Flag	Discipline
<input type="checkbox"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="checkbox"/>	<input type="button" value="P"/>	2056	EXT;FINISHES	PTD,FINISH,STAIN	\$179	HAYES, JACOB	Y	Civil
<input type="checkbox"/>	<input type="button" value="P"/>	2057	EXT;PAINT	Paints and protective coatings, cold galvanizing in field, brush	\$789	HAYES, JACOB	Y	Civil
<input type="checkbox"/>	<input type="button" value="P"/>	2059	EXT;PAINT	Paints and protective coatings, cold galvanizing in field, brush	\$0	HAYES, JACOB	Y	Civil
<input type="checkbox"/>	<input type="button" value="P"/>	2060	INT,EXT;DOORS;OVHD ROLL-UP	Doors, residential, garage, minimum labor/equipment charge	\$406	HAYES, JACOB	Y	Civil
<input type="checkbox"/>	<input type="button" value="P"/>	981849	INT;COATINGS	PTD,SPCLTY,EPOXY		CRABTREE, ANDY	N	Civil

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IU Detail

IU Detail | Attachments | Cost Adders | Cumulative Adders | Deficiencies

Field Office: EMCBC | Site Name: Mound | Area Name: All
Property ID: OSE | Property Name: Operational Support East | Property Type: Building

IU Number: 283133 | Inspector Name: Pugh, Adam
Volume: C30 / Interior Finishes | Discipline: Civil
WBS: Int,Wallcoverings,Tile | Inspection Date: 10/23/15
Component: INT,WALL,TILE,CERAMIC / SQFT
Type: Ceramic tile, thin set, 4-1/4" x 4-1/4" / C30102301940

Quantity: 2,590 | Repair Cost: \$0 | Deferred Maintenance Flag: Yes
Replacement Qty: 2,590 | Replacement Cost: \$20,694 | Repair Needs Flag: Yes
Engineered Cost: | National Average Cost: \$20,694 | Modernization Flag: No
Urgency: Repair Within 1 Year | Official Cost: \$20,694 | Modernization Type: |
Condition: Poor | Completed Cost: | Location: Kitchen

Location Description:

Equipment ID:

Save | Delete | Archive | New IU | Copy IU | Type | Return to IU List | IU Search

- Added a new data field Location Description
 - Standardizes the tracking of this information for all CAIS users
 - Freed up a User Defined data field for Sites that were tracking this data there
- Added 
 - Allows quick retrieval of another IU record without having to return to the IU List or the IU Search function

Type Search

- Added capability to the Type search field to allow one or more keywords (i.e., door, wood door, wood door refinish)
- Added filter options to the results table column headings for further narrowing of items retrieved

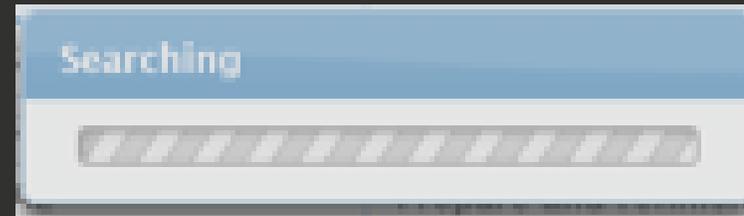
Volume: RS Means Line Number: Unit of Measure:
WBS: Green Flag: Maintenance Flag:
Component:
Type: Assembly Only:

Type Search			
Volume <input type="checkbox"/>	WBS <input type="checkbox"/>	Component <input type="checkbox"/>	Type <input type="checkbox"/>
<input type="text" value="★"/>	<input type="text" value="★"/>	<input type="text" value="★"/>	<input type="text" value="★"/>
B20-Ext. Closure	Ext;Doors	EXT;DOORS;FRAMES;METAL	Prepare and refinish wood louvered door
B20-Ext. Closure	Ext;Doors	EXT;DOORS;METAL	Prepare and refinish wood louvered door
B20-Ext. Closure	Ext;Doors	EXT;DOORS;WOOD	Prepare and refinish glazed wood sliding door

Type Search

(continued)

- Added an **Assembly Only:** checkbox
 - Narrows search to RS Means assembly items (i.e., roof, sidewalk, suspended ceiling,)
- Added a pop-up to indicate your search is in progress



- Improved retrieval performance

- Added capability to Delete Saved Types

Saved Types

IU Type Search

Saved Types				
Delete	Volume	WBS	Component	Type
<input type="checkbox"/>	B10-Superstr.	Superstr;Roof Str;Wood	SUPERSTR;TRUSS,OPEN WEB JOISTS;WOOD	RF_WD TRUSS.4/12SLOPE.TO 60'SPAN
<input type="checkbox"/>	B20-Ext. Closure	Ext;Doors	EXT;DOORS;METAL	Doors, hollow metal, commercial, steel, flush, full panel, hollow core, 1-3/8" thick, 20 ga., 3'-0" x 7'-0"
<input type="checkbox"/>	B30-Roofing	Roof;Drainage	ROOF;DRAINAGE;GUTTERS,DOWNSPOUTS	Downspout, aluminum, rectangular, 3" x 4", enameled, .024" thick
<input type="checkbox"/>	B30-Roofing	Roof;Single-Ply Membrane	ROOF;1-PLY MEMBRANE (ASSY)	Roofing, single ply membrane, reinforced, PVC, 60 mils, fully adhered, adhesive
<input type="checkbox"/>	C30-Int. Finish	Int;Floor Finishes;Resilient	INT;FLOOR;COMP,RESIL;SHEET,TILE	Resilient flooring, vinyl sheet goods, backed, intricate pattern/colors, .125" thick
<input type="checkbox"/>	C30-Int. Finish	Int;Paint,Finishes+Coatings;Conventional	INT;PAINT	Paint on plaster or drywall, roller work, primer + 1 coat
<input type="checkbox"/>	D20-Plumbing	Mech;Plumbing;Domestic Water	MECH;FIXTURES	Industrial safety fixture, eye and face wash, combination fountain, stainless steel, pedestal mounted, excludes rough-in
<input type="checkbox"/>	D20-Plumbing	Mech;Plumbing;Domestic Water	MECH;WATER HEATER	Water heaters, tankless, on-demand, natural gas/propane, 3.2 GPM, excludes vent
<input type="checkbox"/>	D30-HVAC	Mech;Cooling;Packaged HVAC	MECH;HVAC UNIT PKGD;(ASSY)	AirCond:RfTop:SZone:ElecCool: 1.5-2.5Ton
<input type="checkbox"/>	D30-HVAC	Mech;Heat+Vent;Ductwork	MECH;DUCTWORK	Duct,Rectangular;Galvanized Steel
<input type="checkbox"/>	D30-HVAC	Mech;Heat+Vent;Steam Distr,Condens Return	MECH;INSULATION;PIPE	Insulation, pipe covering (price copper tube one size less than I.P.S.), calcium silicate, 1-1/2" wall, 2-1/2" iron pipe size, includes

Results are limited to the first 1000 rows.

IU Search and Archive IU Search

- Added the capability to search “All Areas” within a specific Site
- Added Property ID as a search field

IU Search

Field Office: Site: Area:

IU Number: Equipment ID: Work Order:

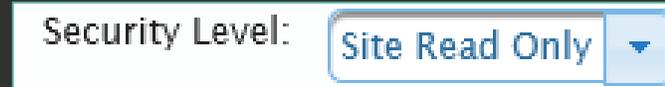
FIMS Upload

IU Upload

- Added an  pick list to allow the upload to be performed for a specific Field Office/Site/Area
- Added functionality to allow uploading of existing IU data using an Excel template

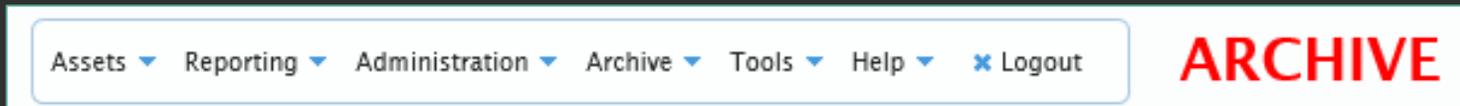
Security

- Added a Site Read Only user Security Level



Archive

- Added large bold labels to designate when viewing Archive data



Ad Hoc Report

Area:

- All Areas
- 100B&C
- 100D&DR
- 100F

Property ID:

Property Name:

- Moved to the first criteria field
 - This pick list drives other functionality within the Ad Hoc Report
- Added an Area list box to further qualify the retrieved data
- Added the capability to retrieve data for a single Property ID or Property Name

Ad Hoc Report

(continued)

Deferred Maintenance Flag: ▾

All
No
Yes

Repair Needs Flag: ▾

- For IU Level reporting, the Deferred Maintenance Flag filter now includes Yes, No or All pick list options
- Added a Repair Needs Flag as an additional filter criteria
 - Valid choices are: Yes, No or All
- Added the capability to Share saved Ad Hoc reports with other users

Save Report ✕

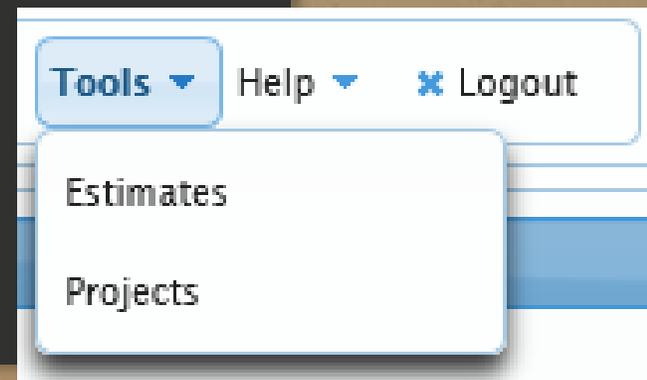
Create New Report Replace Existing Report

Report Title:

Shared:

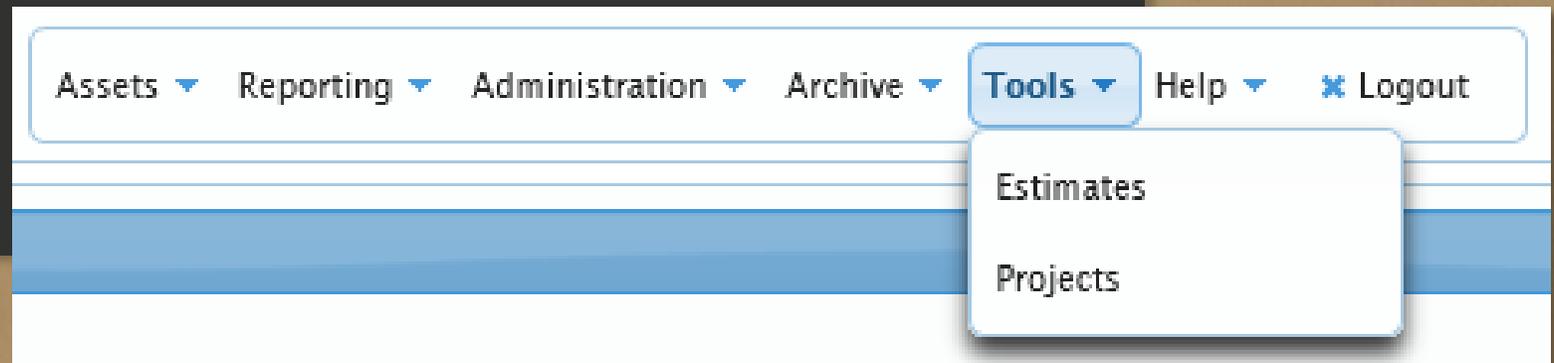
Estimate Module

- Added the capability to create and save Estimates
 - Located under the Tools menu option
 - More on this in a later presentation



CAIS Main Menu

- Slight reorganization
- Removed Interfaces and moved FIMS Upload to the Administration menu option
- Added a Tools menu option
 - Moved Projects to this option
 - Added Estimates



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