The U.S. Department of Energy Industrial Assessment Centers

Core Table Structures

January 2011

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Core Table Structures

ASSESS Table (Assessments)

	Field Name	Type	Description
1	id	Character	Unique identifying number given to all records based on IAC Name and Report Number. This number is used when linking the two databases.
2	iac	Character	The identifier assigned to each IAC (see "University Contributions").
3	repnum	Numeric	The number assigned by the IAC to their visit and subsequent report.
4	visitdate	Date	The date the assessment was performed.
5	sic	Numeric	The Standard Industrial Classification that represents the principle product manufactured by the plant.
6	sales	Numeric	The annual sales in dollars for the site reported by the client.
7	employees	Numeric	The total number of employees on the site as reported by the assessment client.
8	plant_area	Numeric	The total amount in square feet of area used for production and office support purposes.
9	products	Character	Principle products of the plant (in words).
10	resources	Numeric	Total number of resources tracked at the plant.
11	produnits	Numeric	The units of production for the principle product (see "Produnits Coding").
12	prodlevel	Numeric	The total number of units produced annually as reported by the assessment client.
13	prodhours	Numeric	Client reported annual production hours.
14	numars	Numeric	The total number of ARs recommended in this report.
15	sourc_elec	Numeric	Energy consumed at source to produce consumed electricity at site.
16-42		Numeric	The annual usage and cost of electrical consumption, electrical demand, electrical fees, natural gas, L.P.G., fuel oil #2, fuel oil #4, fuel oil #6, coal, wood, paper, other gases and others – taken from actual bills provided by the client prior to the assessment (see "Resource Identification Code").
43	nrgcosttot	Numeric	Total energy cost for this client. Figure is produced by summing energy costs reported in columns 15-38.
44-55		Numeric	The annual production and cost of waste: water disposal, non-hazardous liquid, hazardous liquid, non-hazardous solid, hazardous solid, and gaseous waste in dollars and waste stream units. (see "Resource Identification Code").
56	wstcosttot	Numeric	Total waste cost for the client. Figure is produced by summing the waste costs reported in columns 40-51.
57	comments	Character	General comments about the assessment.
58	fy	Numeric	The fiscal year in which the assessment was performed.
59	state	Character	The state in which the assessment was performed.
60	tdays	Numeric	The amount of days spent on site doing assessment
61	NAICS	Numeric	The North American Industry Classification System
62	BPUSED	Boolean	Flagged if DOE-ITP Best Practice Tool Used
63	HP_CAP	Numeric	Total Facility HP of Motors
64	HP_MAX	Numeric	Maximum HP on single unit
65	STEAM_CAP	Numeric	Total Facility Steam Capacity
66	STEAM_MAX	Numeric	Maximum Steam Pressure
67	AIR_CAP	Numeric	Total Facility Compressed Air Capacity
68	AIR_MAX	Numeric	Maximum Air Pressure

RECC Table (Recommendations)

	Field Name	Description
1	superid	The unique identifying number given to all records based on IAC Name, Report Number and the Assessment Recommendation Number.
2	id	Unique identifying number given to all records based on IAC Name and Report Number. This number is used when linking the two databases
3	ar_number	The recommendation number as it appears in the report.
4	appcode	Application for recommendation (see ARC List).
5	arctype	Recommendation type (see ARC List).
6	arc	The code representing the specific recommendation made (see ARC List).
7	impdate	Client reported date of implementation of this Assessment Recommendation.
8	impstatus	Client reported implementation status of this Recommendation (see "Implementation Status").
9	impcost	Client reported implementation cost. (This cost may be estimated)
10	psourccode	The Primary Resource coded per "Resource Identification Code". This resource may not necessarily be the most important resource involved in the Assessment Recommendation, but it is usually chosen based on greatest usage before conservation measures are suggested.
11	pconserved	The amount of primary resource conserved (see "Resource Identification Code").
12	psourconsv	The primary energy consumed at the source needed to produce the consumed energy at site
13	psaved	The primary resource's dollar savings for this Assessment Recommendation.
14	ssourccode	The Secondary Resource involved in this Assessment Recommendation (see also "Resource Identification Code"). This resource is usually chosen based on second highest amount of usage before conservation measures are suggested.
15	sconserved	The amount of secondary resource conserved (see "Resource Identification Code" for units).
16	ssourconsv	The secondary energy consumed at the source needed to produce consumed energy at site
17	ssaved	The secondary resource's dollar savings for this Assessment Recommendation.
18	Tsourccode	The Tertiary Resource involved in this Assessment Recommendation (see "Resource Identification Code"). This resource is usually chosen based on second lowest amount of usage before conservation measures are suggested.
19	tconserved	The amount of tertiary resource conserved
20	tsourconsv	The tertiary energy consumed at the source needed to produce consumed electricity at site
21	tsaved	The tertiary resource's dollar savings for this Assessment Recommendation.
22	qsourcode	The Quaternary Resource involved in this Assessment Recommendation (see "Resource Identification Code"). This resource is usually chosen based on the least amount of usage before conservation measures are suggested
23	qconserved	The amount of quaternary resource conserved
24	qsourconsv	The Quaternary energy consumed at the source needed to produce consumed energy at site
25	qsaved	The quaternary resource's dollar savings for this Assessment Recommendation.
26	rebate	Indicative whether the Assessment Recommendation included a rebate for implementation.
27	incremental	Indicates if the Assessment Recommendation is to be implemented on an incremental basis. Incremental data is included in the database for the first two years only.
28	descript	Description in words of the individual Assessment Recommendation.
29	imp_comm	Description of any variation between suggested recommendation and actual implementation.
30	fy	The fiscal year in which the assessment was performed.
31	Ic_capital	The capital (equip. & material) cost of a recommendation.
32	Ic_other	Implementation costs that are not capital costs.
33	p3-ees	Effective energy savings resulting from an improvement in energy efficiency.
34	Payback	Payback period for recommendation.
35	BPTOOL	What DOE-ITP Best Practice Tool (if any) was used for the recommendation