The U.S. Department of Energy Industrial Assessment Centers

Database Coding Systems

January 2011

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Database Coding Systems

Implementation Status

The database uses a numerical code to represent the status of implementation. The following table provides details to the coding scheme:

Code	Implementation Status				
Ι	IMPLEMENTED	Was completely implemented at the time of the call, or plans were definitely made to complete implementation within 12 months of call (not to exceed 24 months from the assessment date)			
Р	PENDING This status is for recommendations with implementation of \$10,000 or more. Delay in implementation should be attributable to large capital investment.				
Ν	NOT IMPLEMENTED				
K	DATA EXCLUDED OR UNAVAILABLE	K status may be assigned ONLY by field managers.			

Figure 1: Implementation Status Codes

- A list of "Pending" implementations will be kept for each center; for each Pending implementation, a yearly report will be required from the center until the implementation can be identified as either Implemented or Not Implemented.
- If, after 3 years, a Pending implementation cannot be identified as Implemented, it shall be changed to Not Implemented.
- Pending implementations will not be counted when determining which implementations are Implemented and Not Implemented

Production Units (Produnit) Coding

The database uses a numerical code to represent units of production. In some industries such units are not very informative and so in many cases this item is left out. The following table provides details to the coding scheme.

Code	Units	
0	Not Available	
1	Pieces	
2	Pounds	
3	Tons	
4	BBL	
5	5 Thousand Gallons	
6	Thousand Feet or Thousand Square Feet	
7	Bushels	

Figure 2: Production Unit Codes

Rejection Codes¹

When a recommendation is not adopted attempts are made to determine the reasons surrounding the negative decision. The database uses a numerical code to represent the reason for rejection. The following table provides details to the coding scheme.

Code	Reason		
1	Unsuitable return on investment		
2	Too expensive initially		
3	Cash flow prevents implementation		
4	Unacceptable operating changes		
5	Impractical		
6	Process and/or equipment changes		
7	7 Facility change		
8	Personnel changes		
9	Production schedule changes		
10	Material restrictions		
11	Bureaucratic restrictions		
12	To be implemented after 2 years ²		
13	Considering		
14	Lack of staff for analysis and/or implementation		
15	Not worthwhile		
16	16 Disagree		
17	17 Risk or inconvenience to personnel		
18	18 Suspected risk or problem with equipment or product		
19	19 Rejected after implementation failed		
20	Unknown		
21	Could not contact plant		
22	Other		

Figure 3: Rejection Codes

¹ Currently, Rejection Codes are not publicly available due to confidentiality concerns

² No longer used

Resource Identification Codes

The database uses a numerical code to represent the various resource streams tracked. The following table provides details to the coding scheme.

STREAM TYPE	STREAM	CODE	CONSUMPTION UNITS
	Electrical Consumption	EC	KWH(site)
	Electrical Demand	ED	MMBtu(source) kW–months/year
	Other Electrical Fees	EF	n/a
	Electricity	E1 ³	KWH(site)
	Natural Gas	E2	MMBtu
	L.P.G	E3	MMBtu
	#1 Fuel Oil	E4	MMBtu
ENERGY	#2 Fuel Oil	E5	MMBtu
	#4 Fuel Oil	E6	MMBtu
	#6 Fuel Oil	E7	MMBtu
	Coal	E8	MMBtu
	Wood	E9	MMBtu
	Paper	E10	MMBtu
	Other Gas	E11	MMBtu
	Other Energy	E12	MMBtu
	Water Disposal	W1	Gallons
	Other Liquid (non-haz)	W2	Gallons
WASTE REDUCTION	Other Liquid (haz)	W3	Gallons
WASTE REDUCTION	Solid Waste (non-haz)	W4	Pounds
	Solid Waste (haz)	W5	Pounds
	Gaseous Waste	W6	Pounds
	Personnel Changes	R1	n/a
	Administrative Costs	R2	n/a
	Primary Raw Material	R3	n/a
RESOURCE COSTS	Ancillary Material Cost	R4	n/a
	Water Consumption	R5	n/a
	One-time Revenue or Avoided Cost	R6	n/a
	Primary Product	P1	n/a
PRODUCTION	By-product Product ion	P2	n/a
	Increase in Production	Р3	%

Figure 4: Resource Stream Codes

 $^{^3}$ E1 was replaced with EC, ED, and EF as of FY 95 (9/30/95).