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Industrial Technologies Program

IAC Data Issues

Michael B. Muller

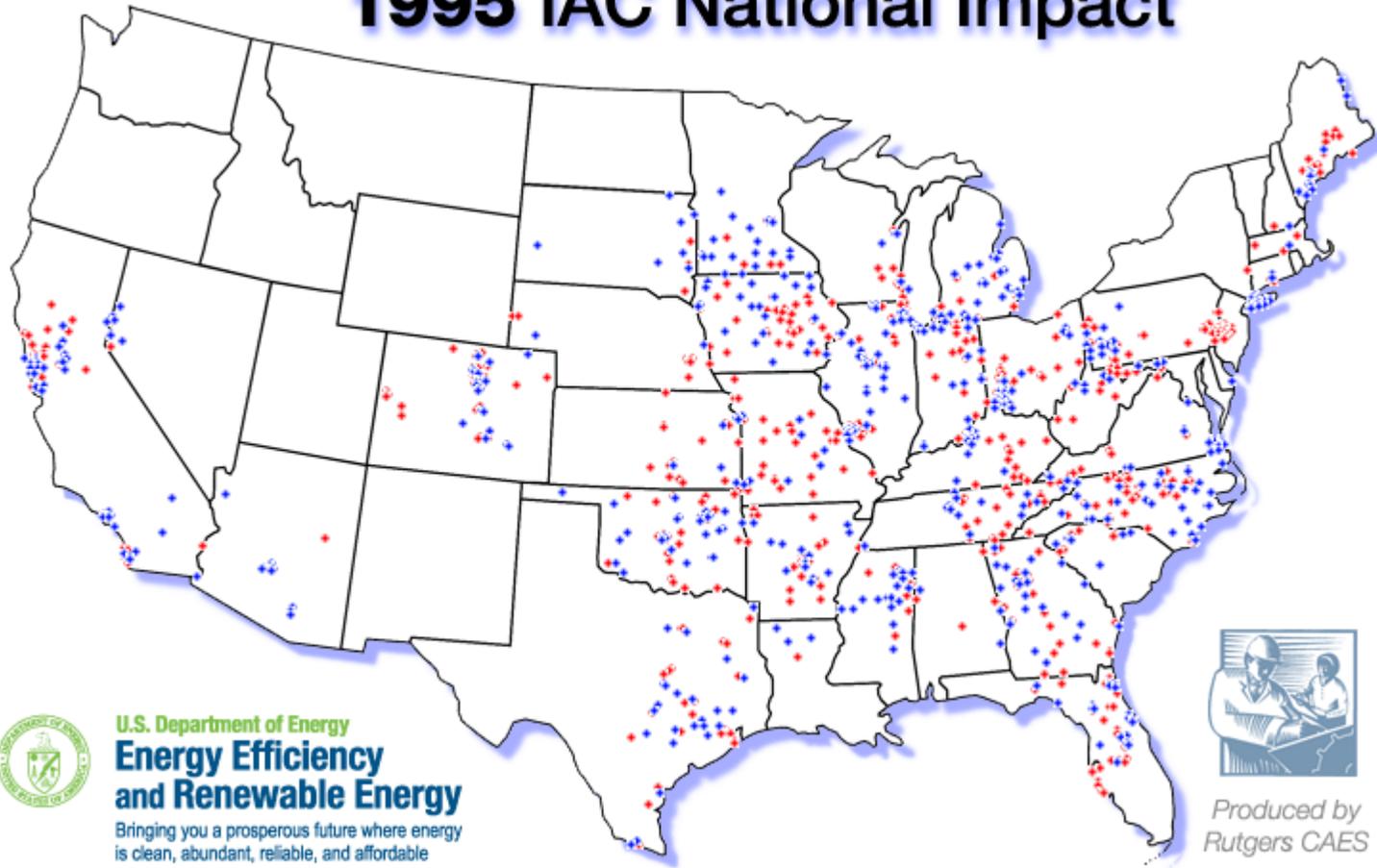
Mechanical Engineer/System Administrator





History of the IAC

1995 IAC National Impact





Topics to be Covered

- IAC Database Update
- Review Center Internal Page
- Issue Reporting System (IRS)
- ?Wikissessment?
- General Discussion



IAC Database News:

- Has be modified to match EERE look and feel
- Increased searching and processing speed
- Near fully functional, but still “Beta”
- Enhanced Center Info Page (suggestions)



IAC Database

- <http://iac.rutgers.edu/database/>
- QuickPEP



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Do you use the database?

What do you use the IAC database for?

What could make it more useful?





General Info

[Back to Assesg](#)
Assessment: NN0135
 Report Uploaded: 2006-05-12 01:40:18

[Edit General Info](#)

Assessment Date (MM/DD/YYYY)	5/15/2006
SIC Code (4 Digits)	5000
NAICS Code (6 Digits)	557215
Annual Sales (\$)	\$ 10,000,000
# of Employees	100
Floor Area (sq ft)	112,000 sq
Principal Product	Flow Molded Plastics
Annual Production	10,000,000 Pounds
Production Hrs. Annual	8545
Motor Horsepower Capacity	0 hp
Largest Motor Horsepower	0 hp
Steam Capacity (MMBtu/hr)	0 (MMBtu/hr)
Max Steam Pressure (PSIG)	0 psig
Air Compressor HP	0 hp
Max Compressed Air Pressure (PSIG)	0 psig

Assessment: NN0135 GENERAL INFORMATION
[Back to Upload \(Unsubmitted data will be lost\)](#)

Assessment Date	5/15/2006
SIC Code (4 Digits)	<input checked="" type="checkbox"/> 5000
NAICS Code (6 Digits)	<input checked="" type="checkbox"/> 557215
Annual Sales (\$)	<input checked="" type="checkbox"/> 10000000
# of Employees	<input checked="" type="checkbox"/> 100
Floor Area (sq ft)	<input checked="" type="checkbox"/> 112000
Principal Product	<input type="checkbox"/> Flow Molded Plastics
Annual Production	<input checked="" type="checkbox"/> 10000000 Pounds
Production Hrs. Annual	<input checked="" type="checkbox"/> 8545
Motor Horsepower Capacity	<input checked="" type="checkbox"/> 0 hp
Largest Motor Horsepower	<input checked="" type="checkbox"/> 0 hp
Steam Capacity (MMBtu/hr)	<input checked="" type="checkbox"/> 0 (MMBtu/hr)
Max Steam Pressure (PSIG)	<input checked="" type="checkbox"/> 0 psig
Air Compressor HP	<input checked="" type="checkbox"/> 0 hp
Max Compressed Air Pressure (PSIG)	<input checked="" type="checkbox"/> 0 psig

[Edit Energy/Waste Info](#)

Category	Usage	Cost	Unit
Electricity Usage	9,540,000 kWh	\$ 583,275	\$ 0.061
Electricity Demand	16,556 kW max/hr	\$ 141,501	\$ 8.55
Other Electricity Fees		\$ 800	
Category	Usage	Cost	\$/MMBtu
Natural Gas	297 mmBtu	\$ 2,510	\$ 12.126

TOTAL YEARLY ENERGY COSTS \$ 698,418

Resource Streams

Assessment: NN0135 Tracked Resources
[Back to Upload \(Unsubmitted data will be lost\)](#)

Resource Type	Yearly Consumption	Yearly Cost	
A Electrical Consumption - Utility (MWh/yr)	9540000	\$583275	<input checked="" type="checkbox"/>
B Electrical Demand - kW max/hr	16556	\$141501	<input checked="" type="checkbox"/>
C Other Electricity Fees	0	\$800	<input checked="" type="checkbox"/>
D Natural Gas - MMbtu	297	\$2510	<input checked="" type="checkbox"/>
E	0	0	<input type="checkbox"/>
F	0	0	<input type="checkbox"/>

Faculty & Students

Assessment: NN0135 Participants
[Back to Upload \(Unsubmitted data will be lost\)](#)

[Faculty Participants](#)
 Check box if Participated
 LEAD
 Dr. Xxxxx
 Dr. Yyyy

[Student Participants](#)
 Check box if Participated
 LEAD SAFETY
 Both Smith
 Tim Burton

[ADD NEW STUDENT](#)

Recommendations

[Edit Participants](#)

Dr. Xxxxx - LEAD Both Smith - LEAD

RECOMMENDATION SUMMARY

#	ARC	Description	Savings	Imp Cost	Payback	
1	2.7142	UTILITY ENERGY EFFICIENCY LAMP	\$5,279	\$14,968	2.84	EDIT
2	2.4113	BUSINESS WATER VOLTAGE EFFICIENCY	\$14,092	\$25,000	1.77	EDIT
5	2.4236	RECOMMENDATION NUMBER 5	\$9,454	\$1,535	0.14	EDIT

[ENTER ADDITIONAL RECOMMENDATION](#)

Delete Last Recommendation (if 3)

Re-Upload Report (Optional)

Assessment: NN0135
 Recommendation Number: 1
[Back to Upload \(Unsubmitted data will be lost\)](#)

Resource Type	Resource Cost	Payback
1.7142 Electrical Consumption - Utility (MWh/yr)	\$583275	2.84
2.4113 Business Water Voltage Efficiency	\$14092	1.77
5.4236	\$9454	0.14

Run Payback Tool Used

Imp. Cost Cap: \$5000
 Imp. Cost Min: 0
 Save (ENR): 10%
 Exclude Y01: 10%



Implementation Upload Page

The screenshot shows a web form titled "Implementation Upload Page" with a "Back to Login" link. The form contains several sections:

- Assessment #:** 143347
- User Date:** 2004-06-22
- Imp Worksheet:** 2004-06-12 08:00
- Imp Worksheet Date:** 2004-06-12
- Imp Worksheet Date:** 2004-06-12
- Name of Assessor:** Dr. Frank Miller
- Title of Assessor:** Superintendent/Manager
- Name of Assessee:**
- Phone # of Assessee:**
- Name of Assessee (optional):**
- Assessment Description Comments:**
- Application Agency/Building:**
- Assessment Number (optional):**
- Assessment Special Building:**
- Overall Assessment Comments:**

Below the form is a table titled "RECOMMENDATIONS" with the following columns: #, Description, Implementation Date, Cost, Max. Return, Investment, and Base Priority. The table contains 10 rows of recommendations, each with a description, a date, a cost, a return percentage, and a priority score.

#	Description	Implementation Date	Cost	Max. Return	Investment	Base Priority
1	PROVIDE THE FOLLOWING INFORMATION TO THE ENERGY EFFICIENCY PROGRAM:	06/12/04	1000	100%	100%	100
2	CONDUCT AN ENERGY AUDIT TO IDENTIFY OPPORTUNITIES FOR ENERGY SAVINGS.	06/12/04	1000	100%	100%	100
3	CONDUCT AN ENERGY AUDIT TO IDENTIFY OPPORTUNITIES FOR ENERGY SAVINGS.	06/12/04	1000	100%	100%	100
4	CONDUCT AN ENERGY AUDIT TO IDENTIFY OPPORTUNITIES FOR ENERGY SAVINGS.	06/12/04	1000	100%	100%	100
5	CONDUCT AN ENERGY AUDIT TO IDENTIFY OPPORTUNITIES FOR ENERGY SAVINGS.	06/12/04	1000	100%	100%	100
6	CONDUCT AN ENERGY AUDIT TO IDENTIFY OPPORTUNITIES FOR ENERGY SAVINGS.	06/12/04	1000	100%	100%	100
7	CONDUCT AN ENERGY AUDIT TO IDENTIFY OPPORTUNITIES FOR ENERGY SAVINGS.	06/12/04	1000	100%	100%	100
8	CONDUCT AN ENERGY AUDIT TO IDENTIFY OPPORTUNITIES FOR ENERGY SAVINGS.	06/12/04	1000	100%	100%	100
9	CONDUCT AN ENERGY AUDIT TO IDENTIFY OPPORTUNITIES FOR ENERGY SAVINGS.	06/12/04	1000	100%	100%	100
10	CONDUCT AN ENERGY AUDIT TO IDENTIFY OPPORTUNITIES FOR ENERGY SAVINGS.	06/12/04	1000	100%	100%	100

- **Simplified Form**
 - Removed unnecessary fields
 - Added drop down menu's for reject codes
 - Error checks all fields before form can be submitted. Provides instant feedback if error found
- **Old Imp Reports can be Modified to Include Further Identified Savings**



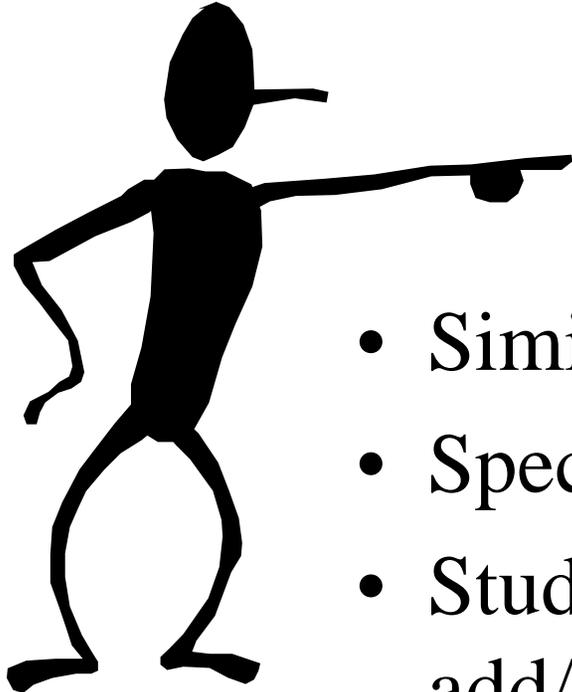
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Who has used the IAC Center Internal Page?
Who, at your center, is in charge of data uploading?





? Wikissessment ?

- Similar to Wikipedia
- Specific to energy assessments
- Students will have full access to add/modify data
- Participation will be optional (for now)



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Who in the last year has contacted another center?

How many? What was the reason(s)?





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General Discussion



- Improving center to center info sharing
- Useful Tools
- What's next?

- Other Questions, Suggestions, & Concerns