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Agricultural Outlook Forum  
U.S. Department of Agriculture

Presented: February 26-27, 2009

Paying Dividends on Investments in Rural America: Socio-Economic Benefits Assessment System (SEBAS)

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Rural Policy Research Institute  
University of Minnesota

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Acting Deputy Under Secretary for Rural Development

# Paying Dividends on Investments in Rural America

## **Socio-Economic Benefits Assessment System (SEBAS)**

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Institute, University of Missouri

William F. Hagy III, Acting Deputy Under Secretary for Rural  
Development

February 27, 2009



# PURPOSE OF SEBAS -

## THE SOCIO-ECONOMIC BENEFIT ASSESSMENT SYSTEM

- Assess the effectiveness of Rural Development's programs in measures of local and regional economic performance, for example, Gross Domestic Product. SEBAS incorporates the indirect effects of Rural Development programs. Provides an estimate of the economic impact of the loan.

# RD PROGRAMS IN SEBAS

- Business & Industry Guaranteed Loans
- IRP – Intermediary Relending Program
- REAP – Rural Energy for America Program  
Guaranteed Loans

# SEBAS IS

1. An **economic model** for measuring these economic indicators
2. A system of consistent economic **indicators**
3. A large nation-wide regional economic **information system**
4. A **process** for data collection and data entry

# SEBAS FEATURES

SEBAS consists of one model for each county in the US

Each county model has

- 54 producing sectors
- 9 household income-size classes
- 10 occupational groups
- 9 federal & 16 state/local tax revenue categories

# PRIMARY SEBAS INDICATORS

1. Direct jobs (Provided by SEBAS user)
2. Adjusted Net Jobs
3. Direct full-time equivalent (FTE) employment
4. Total full-time equivalent employment
5. Total Gross Domestic product (GDP)
6. GDP/FTE
7. Tax Revenues



# WHY DISPLACEMENT EFFECTS?

- In the long run, all “new activity” replaces “old activity” somewhere.
- SEBAS predicts the intraregional displacement effects of projects
- Estimated displacement based on regional sectoral structure
  - For example, retail verses manufacturing

# SEBAS INFORMATION SYSTEM

- Uses input-output data
- Detailed interregional flow data
- Sectoral occupational demand data
- Interfaced with USDA RD's GLS project database
- Project cost data estimated allowing cost-effectiveness analysis

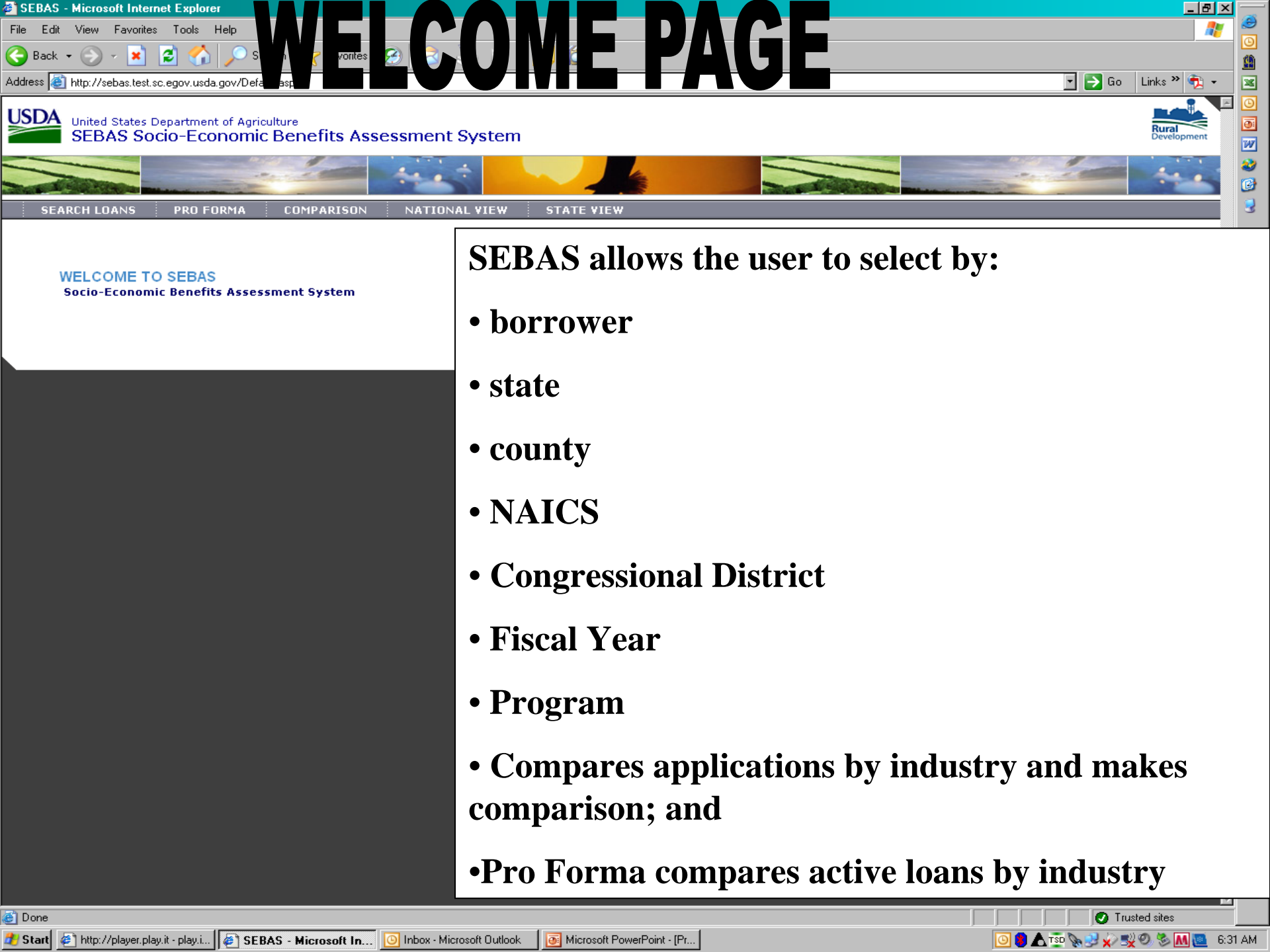
# SEBAS PROCESS

- Web-based interface for USDA RD
- Overnight updates give national and state offices next day access to projected impacts of projects
- User's may do "what if" analyses
- Actual direct effects confirmed annually and updated

## FUTURE PROCESS

- We are working to extend SEBAS include a variety of sustainability indicators

# WELCOME PAGE



WELCOME TO SEBAS  
Socio-Economic Benefits Assessment System

**SEBAS allows the user to select by:**

- borrower
- state
- county
- NAICS
- Congressional District
- Fiscal Year
- Program
- Compares applications by industry and makes comparison; and
- Pro Forma compares active loans by industry

# SEBAS RESULTS

SEBAS - Tabular Results for Non-IRP Programs - Microsoft Internet Explorer

File Edit View Favorites Tools Help

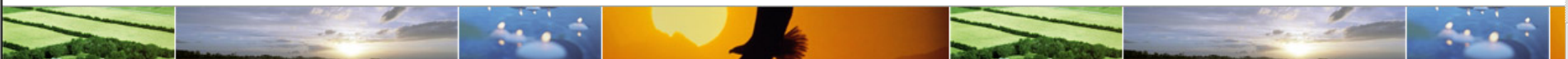


Address <https://sebas.sc.egov.usda.gov/TabularResults.aspx>

Go Links McAfee SiteAdvisor

## SEBAS Socio-Economic Benefits Assessment System

Rural Development



SEARCH LOANS    PRO FORMA    COMPARISON    NATIONAL VIEW    STATE VIEW

### SEBAS RESULTS

#### Projected Benefits

Graphs

[Expand All](#) | [Print](#) | [Export](#)

Program : B&I and RE/EE-9006 Combined List    Type of Assistance : All    Obligation Dates :  
 Fiscal Year : All    Request Type : All

Borrower/Recipient	Program	Direct Jobs	SEBAS Result						Subsidy Cost	Amount
			Adj Net Jobs	Direct FTE Emp	Total FTE Emp	Total GDP (000)	Total GDP / FTE (000)	Tax Rev. (000)		
▼ Iowa										
▼ Lee										
	9006	12	10	9	40	\$2,410	\$61	\$156	\$129,000	\$2,000,000
▼ Washington										
	9006	10	10	10	61	\$4,582	\$76	\$350	\$209,625	\$3,250,000
<b>Total</b>		<b>22</b>	<b>20</b>	<b>18</b>	<b>101</b>	<b>\$6,992</b>	<b>\$70</b>	<b>\$505</b>	<b>\$338,625</b>	<b>\$5,250,000</b>

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Trusted sites

Start    Inbox - Microsoft Outlook    S:\RBS\BPFiles\SLD\vb...    RD Pres\_5\_24\_05.ppt    SEBAS - Tabular Re...

Taskbar icons including TSD, McAfee, and system clock showing 2:36 PM.

# RESULTS IN GRAPHIC FORMAT

SEBAS - Graph Results for Non-IRP Programs - Microsoft Internet Explorer

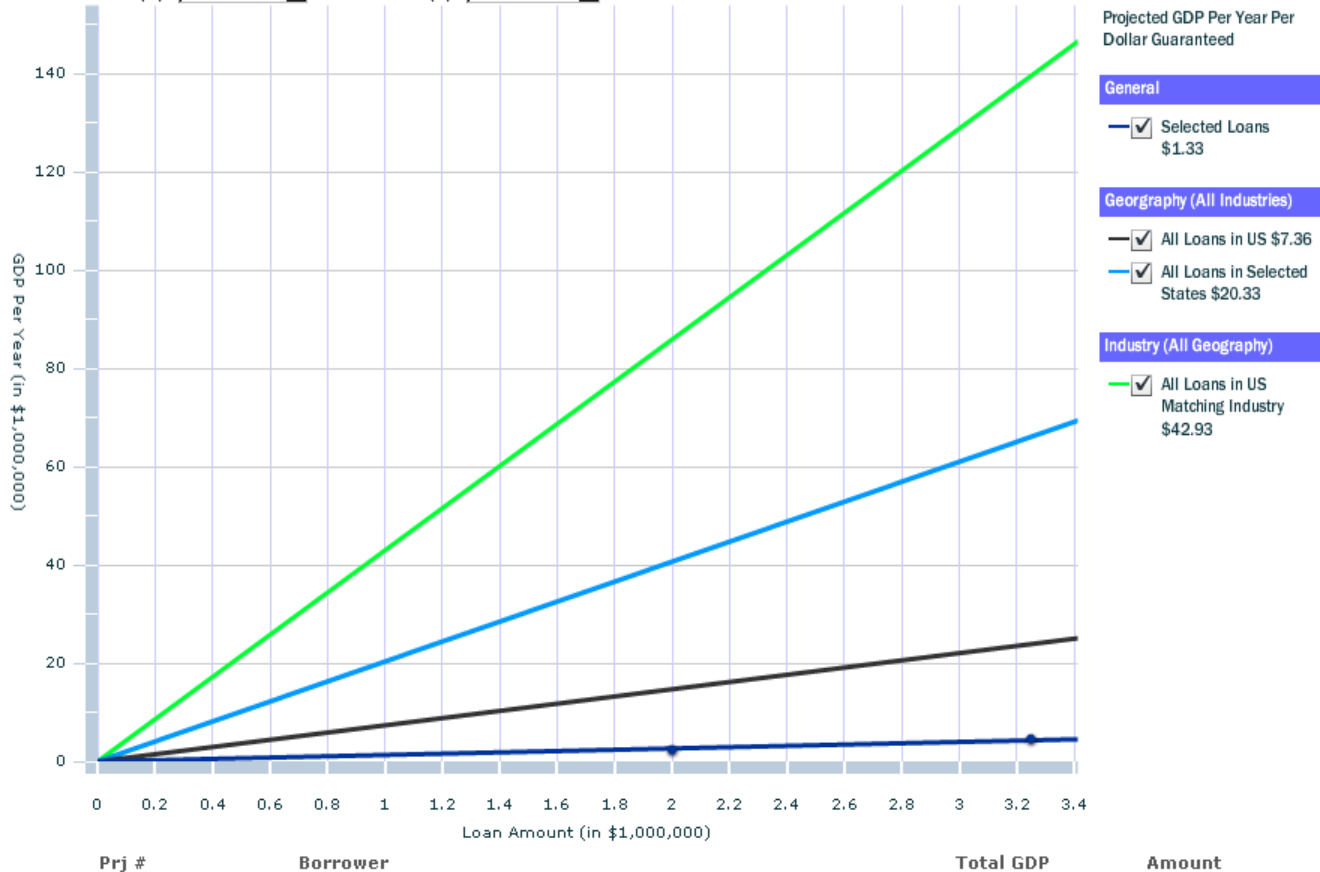
File Edit View Favorites Tools Help

## Search Criteria

Program: B&I and RE/EE-9006 Combined List  
Type of Assistance: All  
Obligation Dates: Fiscal Year: All Request Type: All

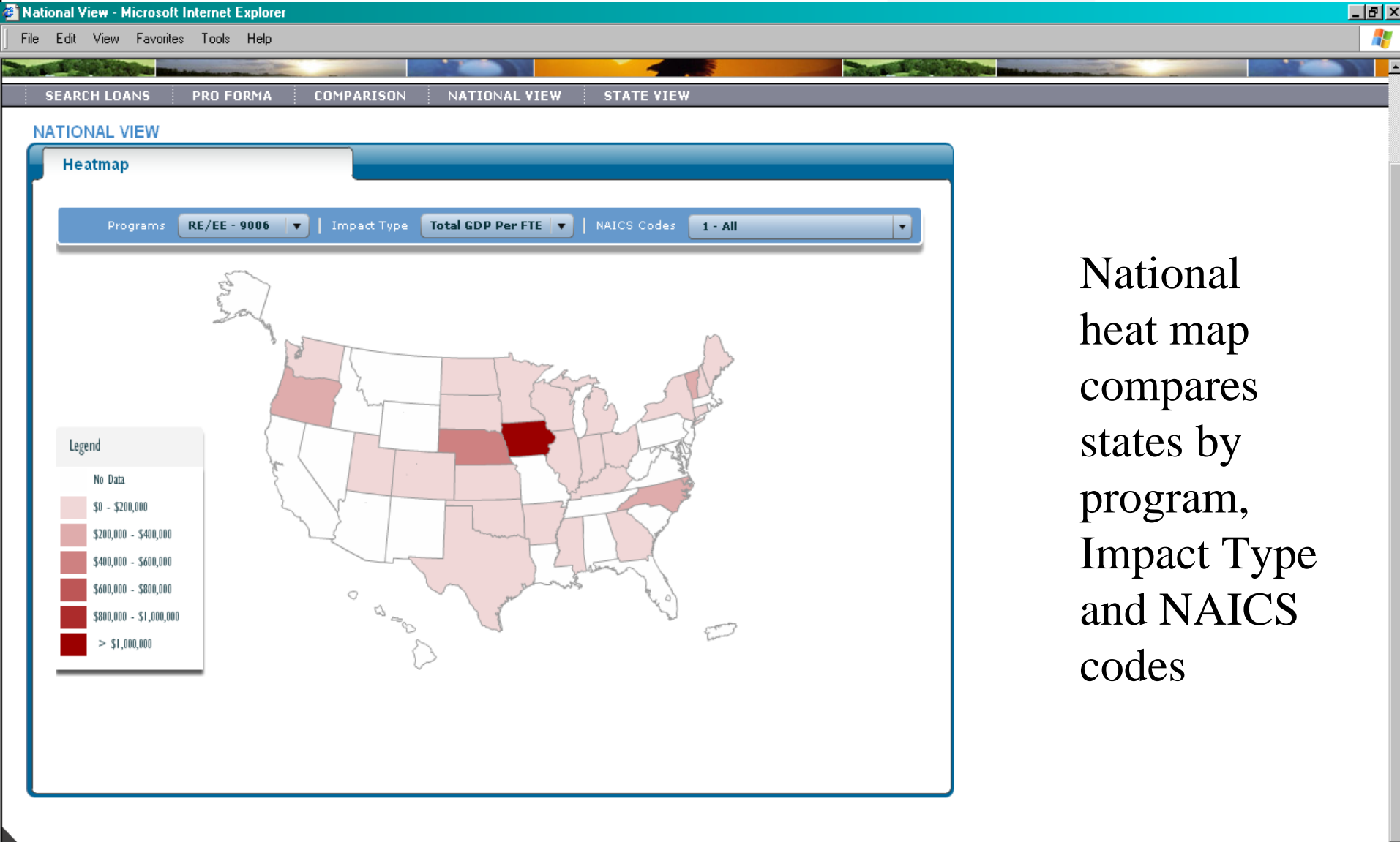
## Loan Amount/Subsidy Cost vs. Net New Annual GDP due to Projects

Horizontal Axis (X): Loan Amount Vertical Axis (Y): GDP Per Year



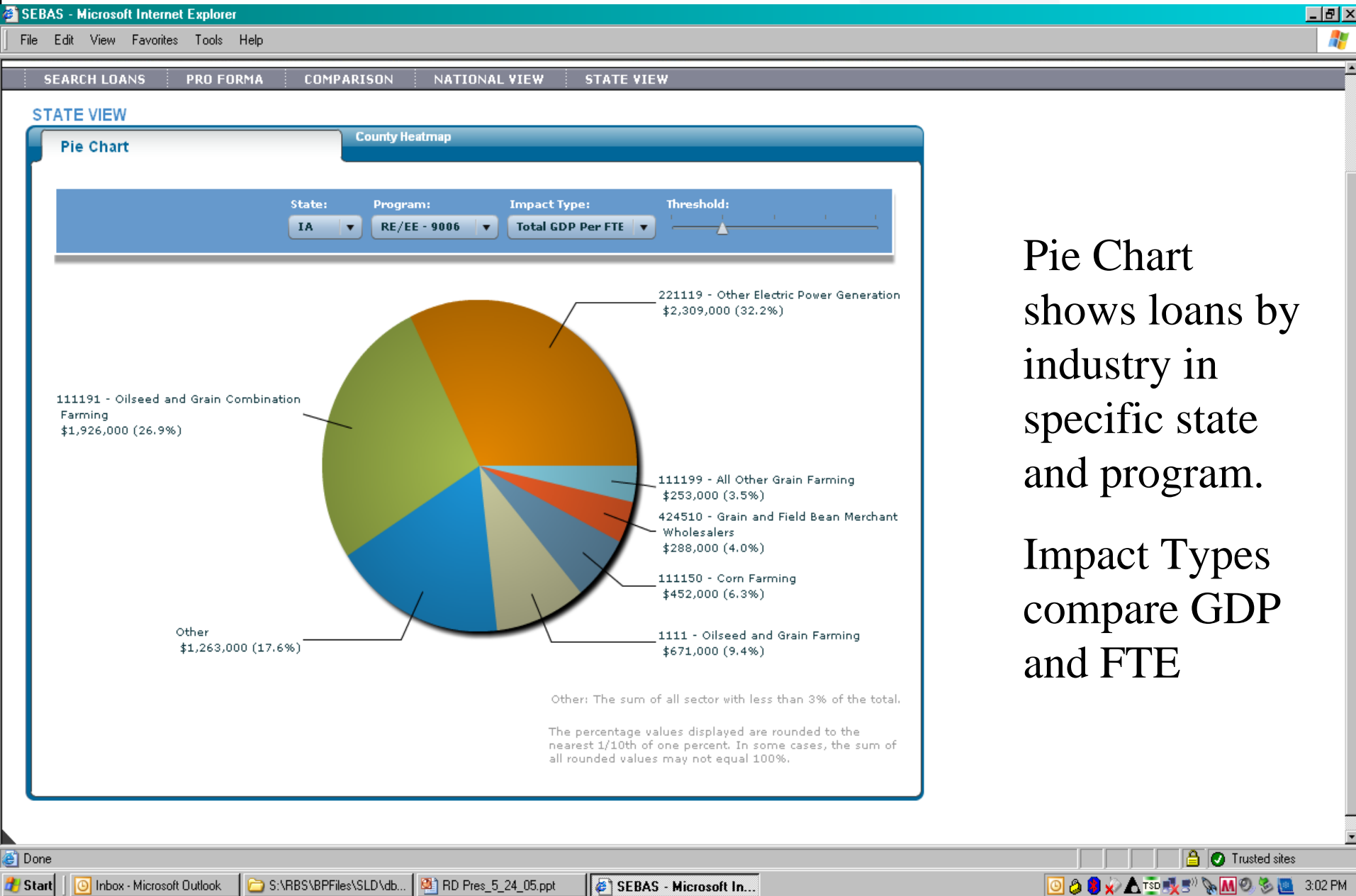
- Graphs compares loan results with National results
- Compares Industry selected

# HEAT MAP



National heat map compares states by program, Impact Type and NAICS codes

# PIE CHART



Pie Chart shows loans by industry in specific state and program.

Impact Types compare GDP and FTE



# COUNTY HEAT MAP

SEBAS - Microsoft Internet Explorer

File Edit View Favorites Tools Help

SEARCH LOANS

PRO FORMA

COMPARISON

NATIONAL VIEW

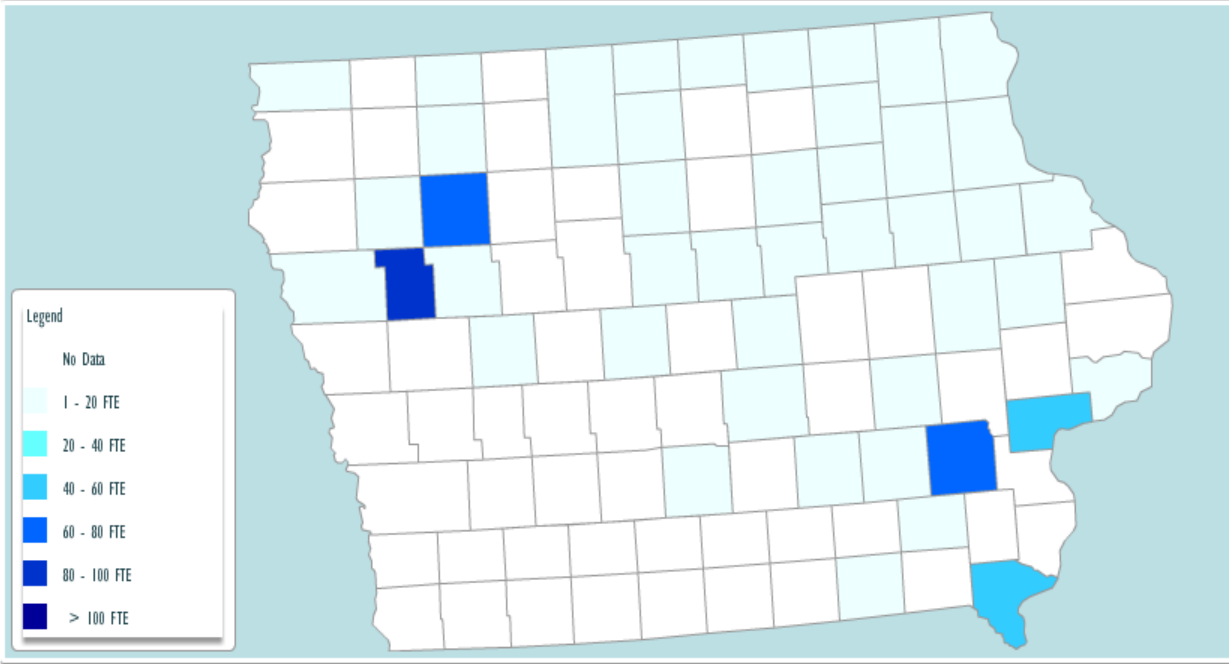
STATE VIEW

STATE VIEW

Pie Chart

County Heatmap

State: IA Program: RE/EE - 9006 Impact Type: Total FTE Employer NAICS: All



- Heat map can be used to compare Direct and Total FTE; Total GDP; Total GDP Per FTE and Tax Revenue

- Used for outreach and marketing

Done

Start

Inbox - Microsoft Outlook

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RD Pres\_5\_24\_05.ppt

SEBAS - Microsoft In...

Trusted sites

3:06 PM

# PRO FORMA

Pro Forma - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites

Address <http://sebas.test.sc.egov.usda.gov/Projections.aspx> Go Links

USDA United States Department of Agriculture  
SEBAS Socio-Economic Benefits Assessment System

Rural Development

SEARCH LOANS PRO FORMA COMPARISON NATIONAL VIEW STATE VIEW

PRO FORMA

No projections currently saved.

Print | Export

Add New Delete All Calculate All

- Used to Calculate projected GDP for new applications
- Assists State to determine Economic Impacts of each proposed loan

Done

Start <http://player.play.it - play.i...> Pro Forma - Microsof... Inbox - Microsoft Outlook Microsoft PowerPoint - [Pr...

Trusted sites 6:43 AM

# COMPARISON OF LOANS

Comparison - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites

Address <http://sebas.test.sc.egov.usda.gov/Comparison.aspx> Go Links

USDA United States Department of Agriculture  
SEBAS Socio-Economic Benefits Assessment System

Rural Development

SEARCH LOANS PRO FORMA COMPARISON NATIONAL VIEW STATE VIEW

COMPARISON

Print | Export

Add New Delete All

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Start <http://player.play.it - play.i...> Comparison - Micros... Inbox - Microsoft Outlook Microsoft PowerPoint - [Pr...]

6:53 AM

SEBAS allows the user to compare different loans to determine best economic benefits

# CONGRESSIONAL DISTRICT SEARCH

SEBAS - Search by Congressional District - Microsoft Internet Explorer

Address: <http://sebas.test.sc.egov.usda.gov/CDSearch.aspx>

USDA United States Department of Agriculture  
SEBAS Socio-Economic Benefits Assessment System

Rural Development

SEARCH LOANS PRO FORMA COMPARISON NATIONAL VIEW STATE VIEW

## LOAN SEARCH

Borrower County - Advanced Congressional District - Advanced

Placing the mouse over an underlined label/title will provide a description for that particular object.

Type of Assistance:

Agency	Program	Type of Assistance
RBS	B&I	<ALL>
	IRP	Armament Retooling & Manufacture Support Guarante...
	RE/EE - 9006	B&I Disaster Assistance For Rural Business Enterpr...
	B&I and RE/EE-9006 Combined List	B&I Drought And Disaster
	B&I and RE/EE-9006 Co-Funded	Business & Industry Guaranteed Loan - 1%

Congressional Districts:

States	Congressional Districts
Utah	<All>
Vermont	Wisconsin
Virginia	[WV] - 1st
Washington	[WV] - 2nd
West Virginia	[WV] - 3rd
Wisconsin	[WV] - 4th

Obligation Date:  to

Faith Based: <ALL>

Valid Energy Type:

<ALL>
Anaerobic Digester
Biomass, Bioenergy
Efficiency, Buildings
Efficiency, Industrial

Biomass:

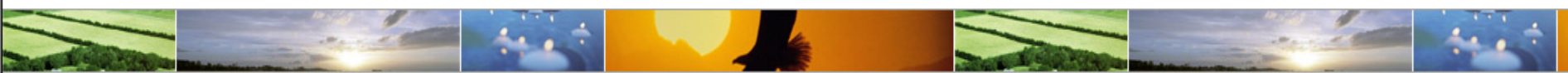
<ALL>
Agricultural Crops
Animal / Other Waste Materials
Fats, Oils, and Greases
Fibers

Search

Allows user to select specific congressional district to show economic benefits of all loans made in that specific district

Done

Start <http://player.play.it - play.i...> SEBAS - Search by ... Inbox - Microsoft Outlook Microsoft PowerPoint - [Pr... Trusted sites 7:01 AM



**SEBAS RESULTS**

**Projected Benefits**

Graphs

[Expand All](#) | [Print](#) | [Export](#)

Program : B&I and RE/EE-9006 Co-Funded

Type of Assistance : All

Obligation Dates :

Fiscal Year : All

Request Type : All

Borrower/Recipient	Program	Direct Jobs	SEBAS Result						Subsidy Cost	Amount
			Adj Net Jobs	Direct FTE Emp	Total FTE Emp	Total GDP (000)	Total GDP / FTE (000)	Tax Rev. (000)		
<b>▼ Iowa</b>		396	385	332	524	\$30,933	\$60	\$1,758	\$1,435,895	\$16,767,763
<b>▼ Dickinson</b>		371	368	316	422	\$25,594	\$61	\$1,154	\$129,051	\$3,077,948
	B&I	6	6	6	7	\$414	\$61	\$19	\$7,332	\$80,000
	B&I	356	353	303	405	\$24,559	\$61	\$1,108	\$114,387	\$2,957,948
	9006	9	9	8	11	\$621	\$61	\$28	\$7,332	\$40,000
<b>▼ Ida</b>		17	17	16	102	\$5,340	\$53	\$605	\$1,298,000	\$13,500,000
	B&I	3	3	3	18	\$943	\$53	\$107	\$649,000	\$3,500,000
	9006	14	14	14	84	\$4,398	\$53	\$498	\$649,000	\$10,000,000
<b>▼ Lyon</b>		8	1	1	1	\$1	\$12	\$1	\$8,844	\$189,815
	9006	4	1	1	1	\$1	\$12	\$1	\$1,162	\$11,995
	B&I	4	1	1	1	\$1	\$12	\$1	\$7,682	\$177,820

# QUESTIONS











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*Professional Performance*









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**Viking  
Founder**

**Fred E. Carl, Jr.**

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**Inspired  
by  
Chambers  
Range**

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*Professional Performance*



Professional Performance

*Professional Performance for the Home*

**Received AGA approval in 1986  
and began full production in 1987**



# What is Viking Range Corporation?



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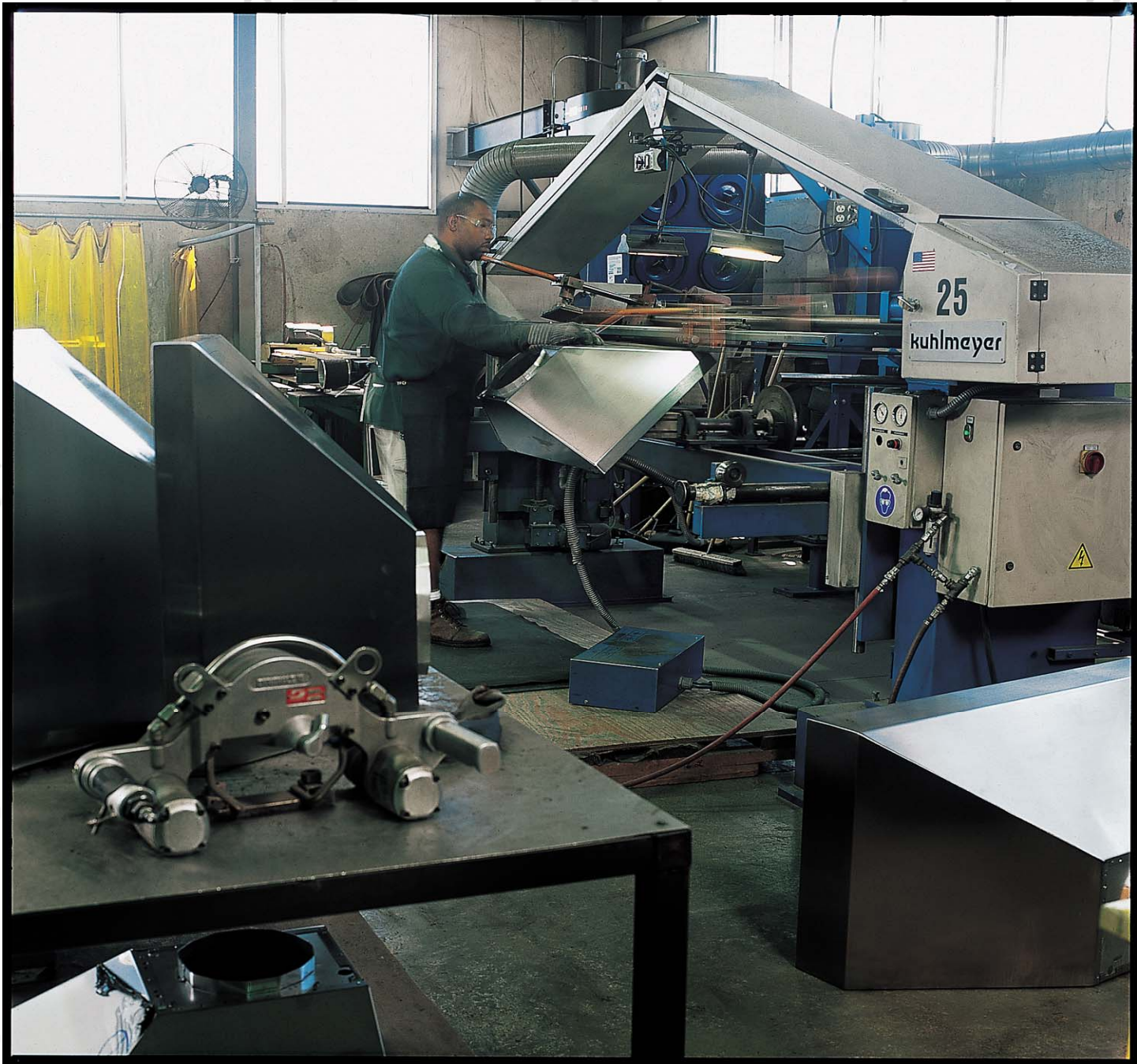




**VIKING**

PRODUCT SUPPORT CENTER







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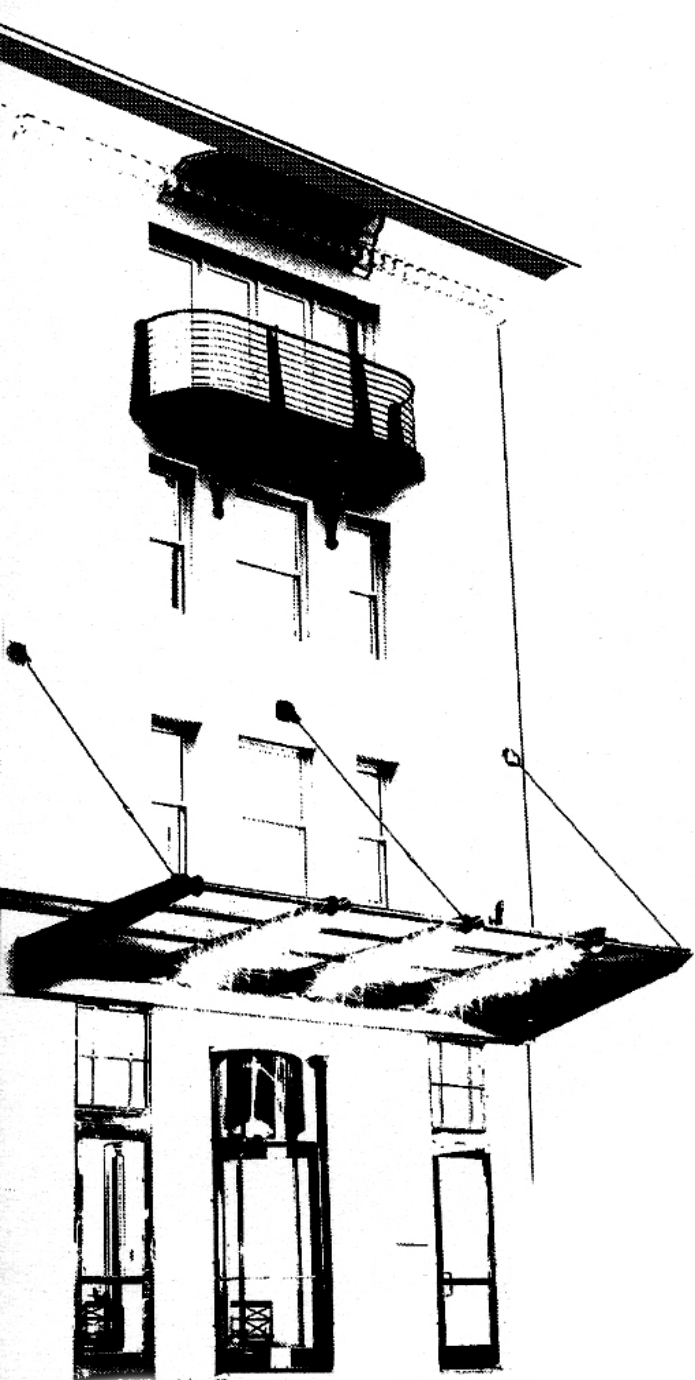
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# Viking Hospitality Group



*Professional Performance for the Home*

*for* THE ALLUVIAN



*Performance for t* THE ALLUVIAN SPA



COOKING SCHOOL

**GIARDINA'S**

(EST. 1936)

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*for the Home*

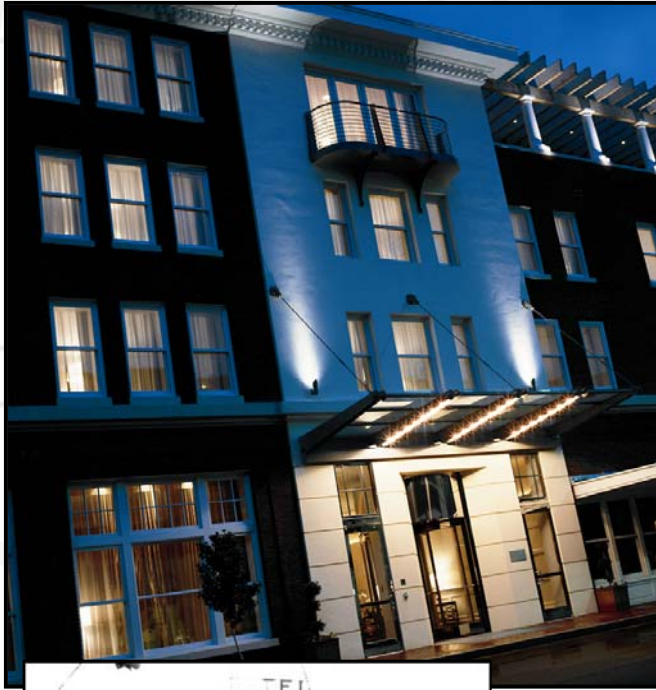
*Perf* THE ALLUVIAN



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# Professional Performance for the Home



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**Giardina's**



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THE ALLUVIAN SPA



# The Viking Cooking School



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