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Agricultural Outlook Forum
U.S. Department of Agriculture

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

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Rural Policy Research Institute
University of Minnesota

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

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Socio-Economic Benefits Assessment System (SEBAS)

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February 27, 2009

USDA Rural Development

Committed to the future of rural communities.

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

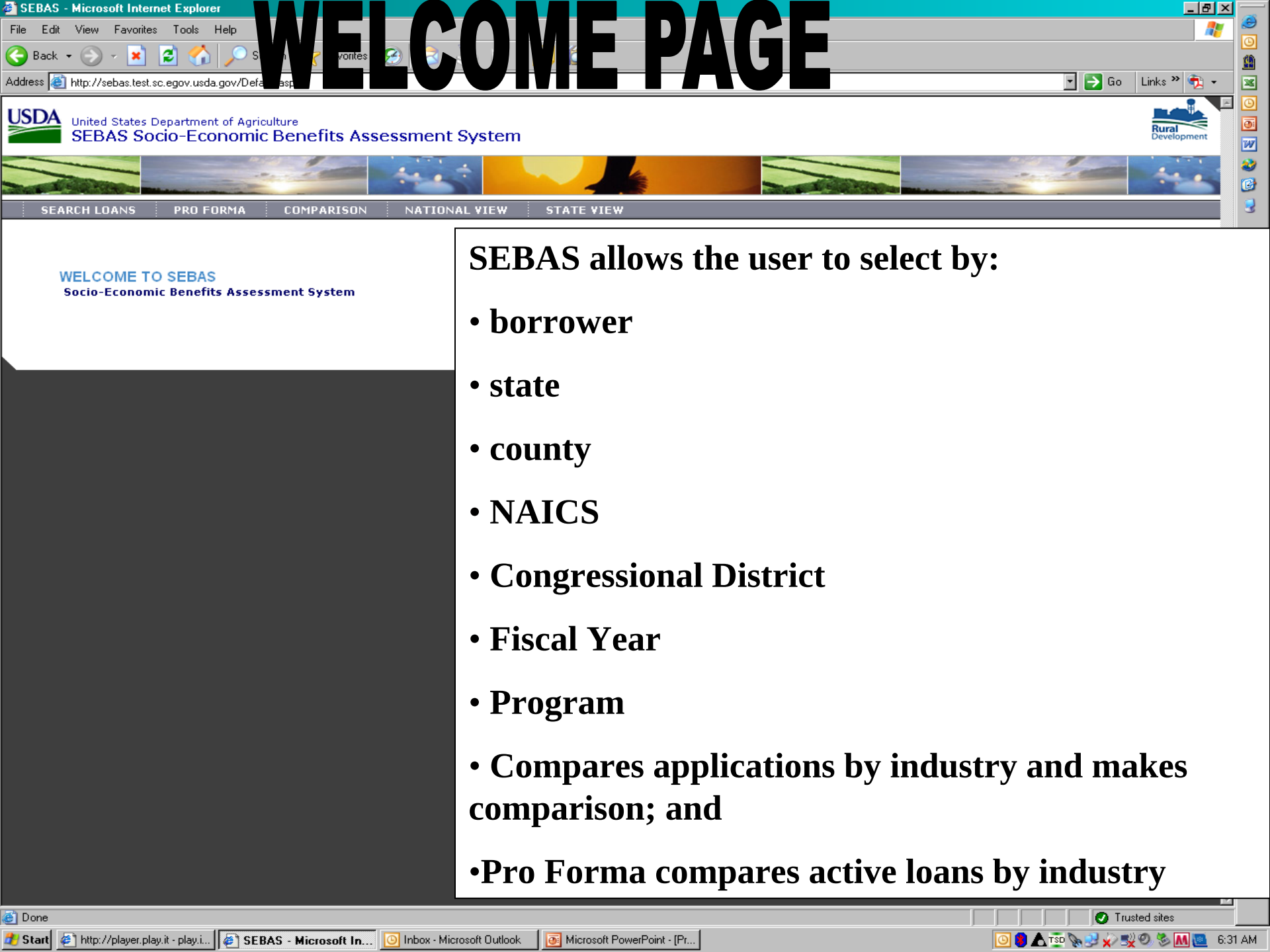
SEBAS PROCESS

- 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

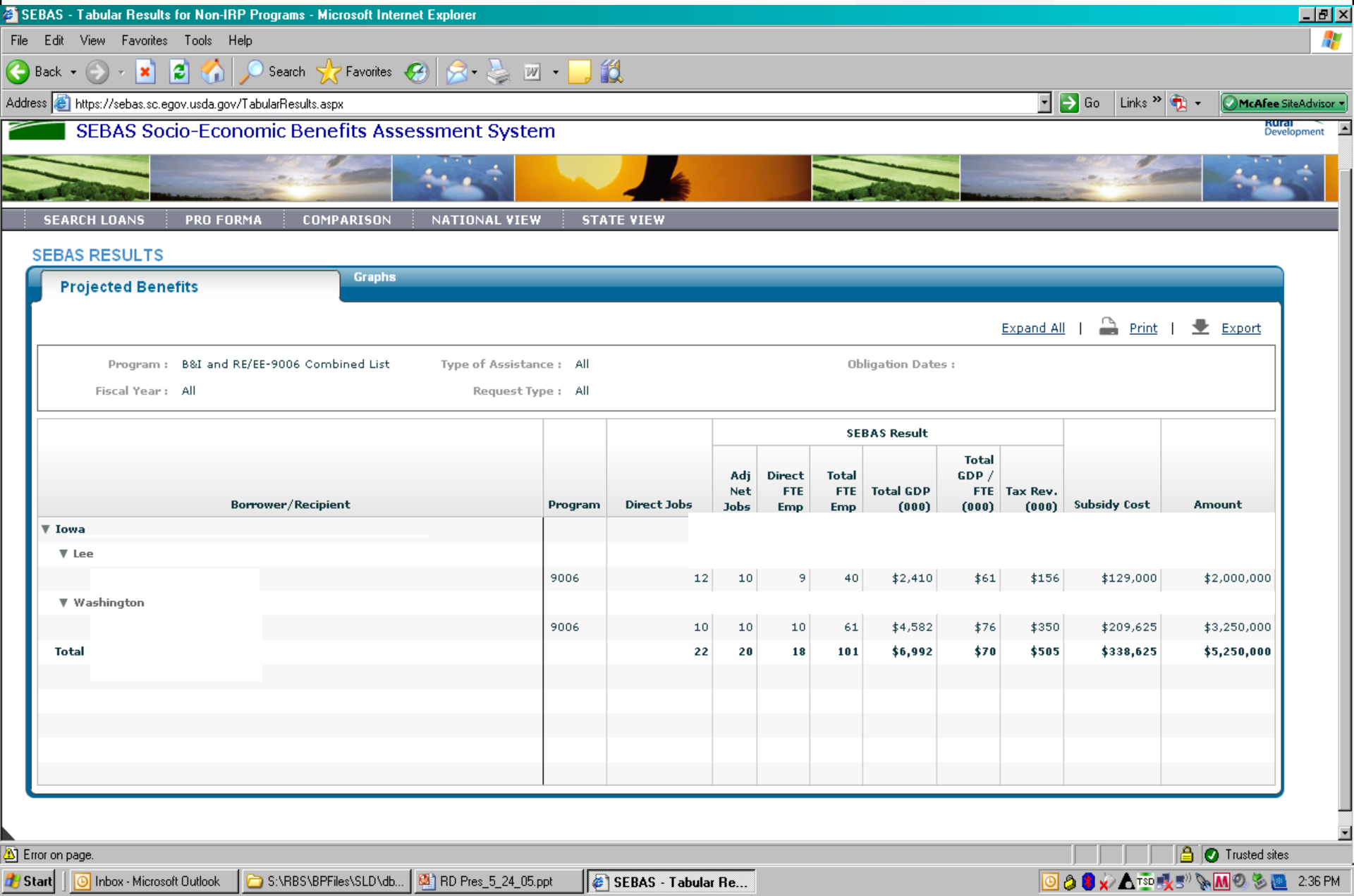
WELCOME PAGE



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



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
Total		**22**	**20**	**18**	**101**	**$6,992**	**$70**	**$505**	**$338,625**	**$5,250,000**

RESULTS IN GRAPHIC FORMAT

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

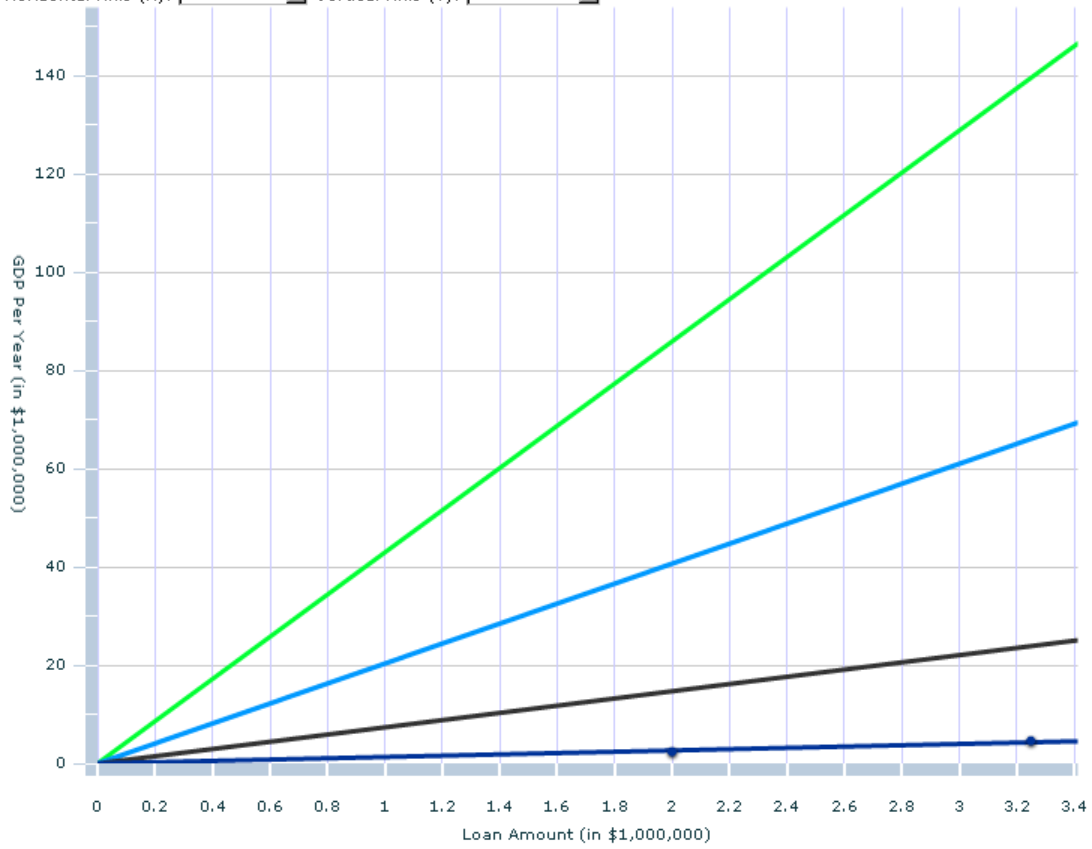
File Edit View Favorites Tools Help

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



Projected GDP Per Year Per Dollar Guaranteed

General
- Selected Loans $1.33

Georgraphy (All Industries)
- All Loans in US $7.36
- All Loans in Selected States $20.33

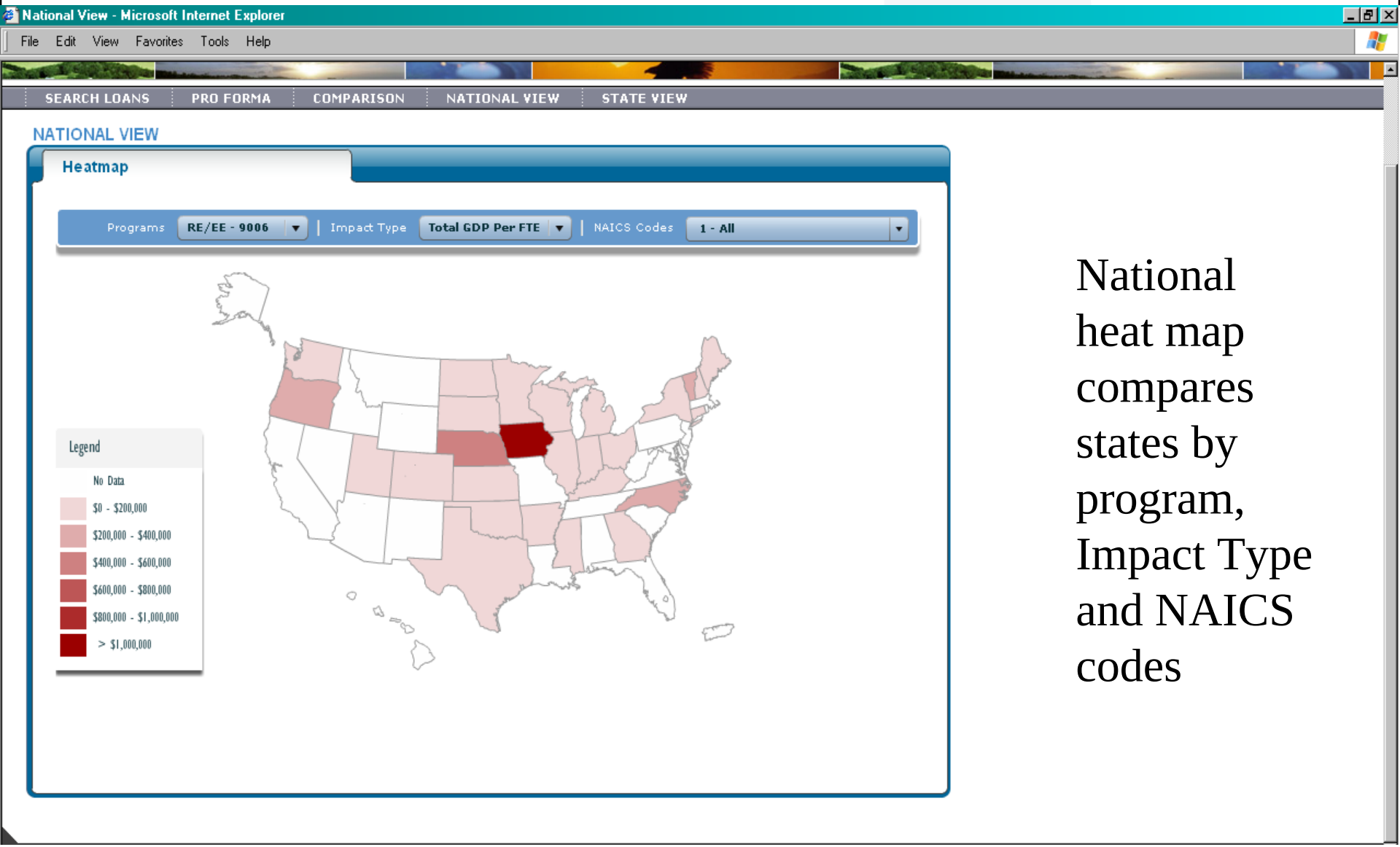
Industry (All Geography)
- All Loans in US Matching Industry $42.93

Prj #	Borrower	Total GDP	Amount

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

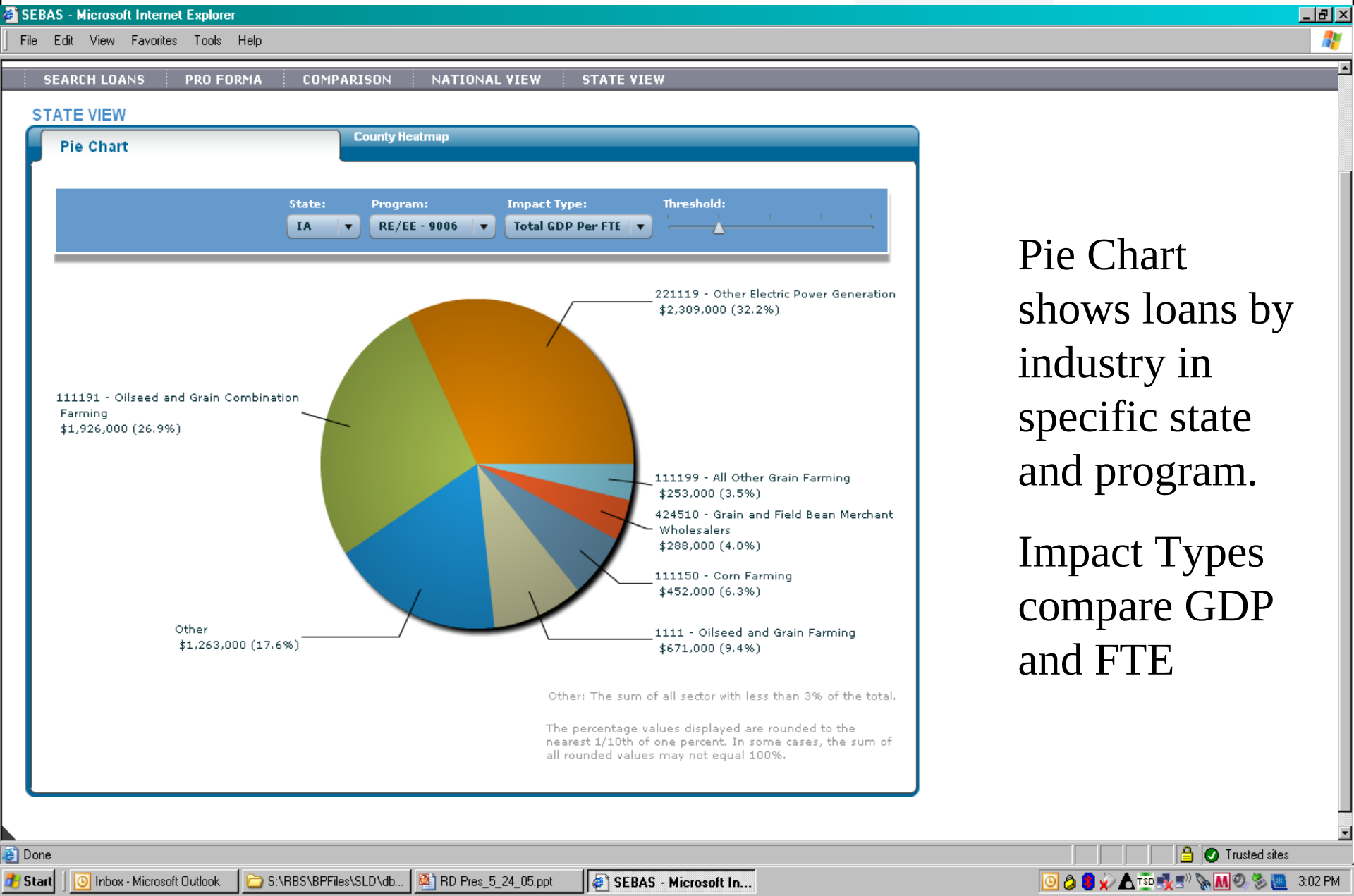
Done Trusted sites

HEAT MAP



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

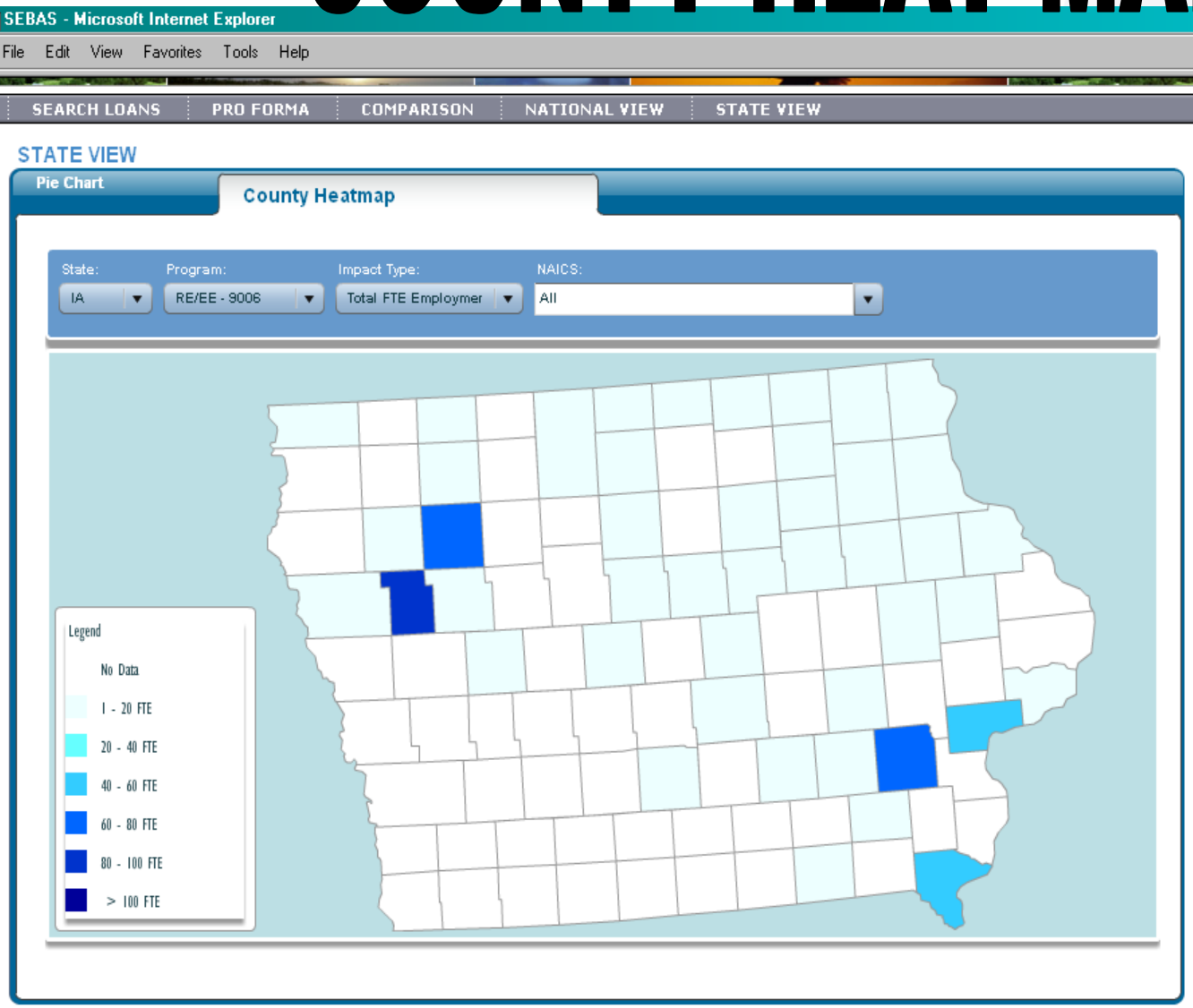
PIE CHART



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

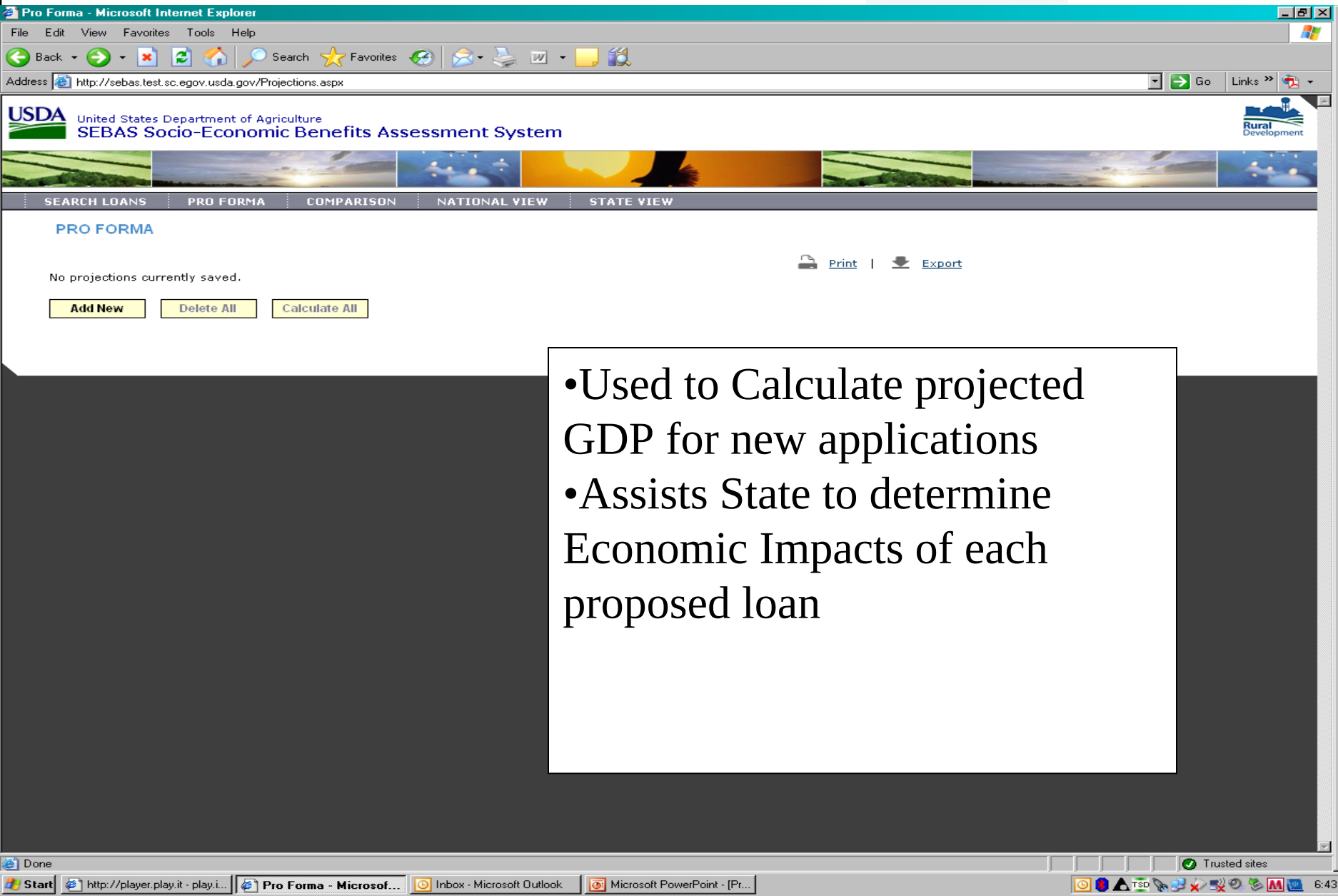
Impact Types compare GDP and FTE

COUNTY HEAT MAP



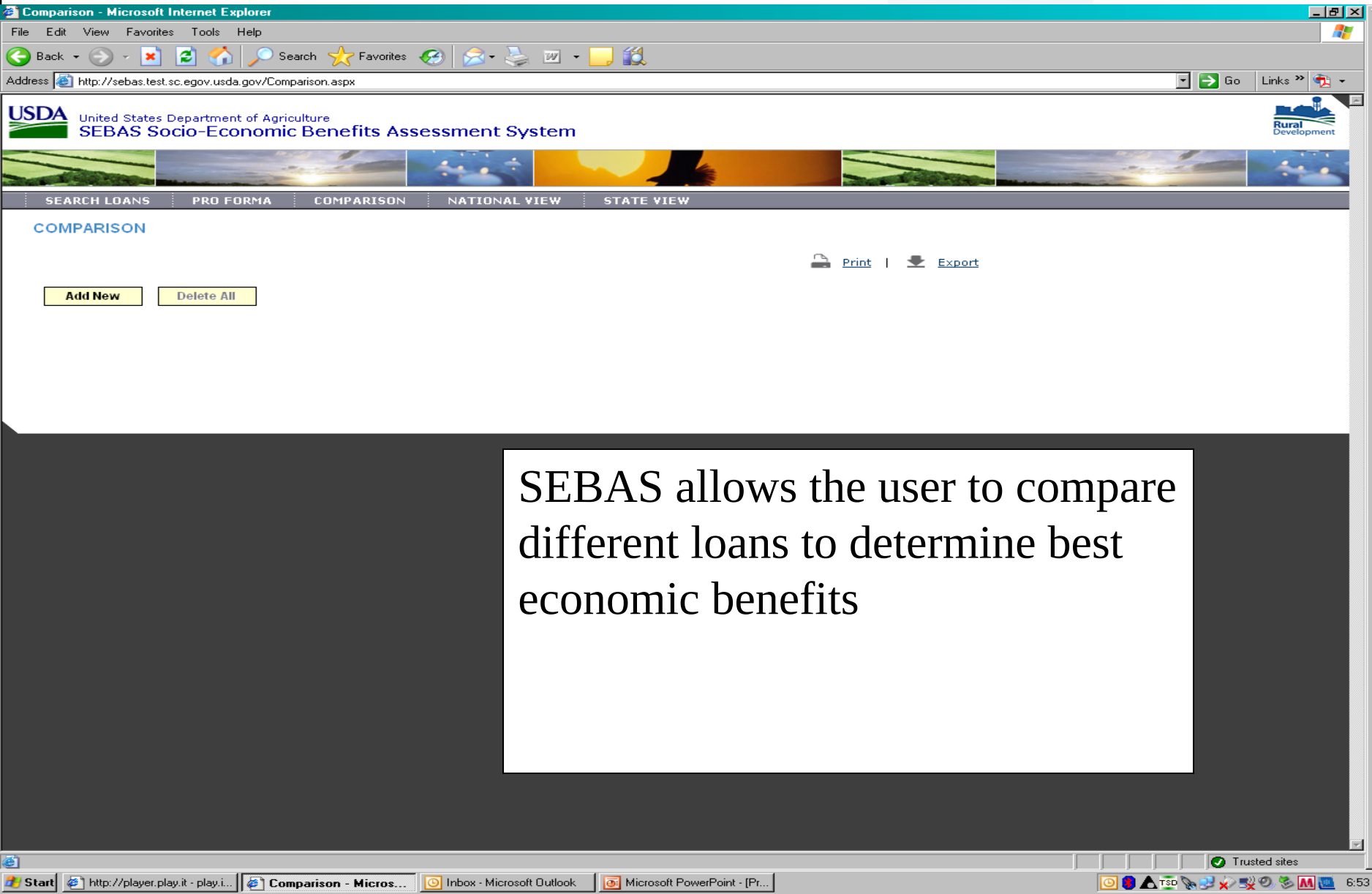
- Heat map can be used to compare Direct and Total FTE; Total GDP; Total GDP Per FTE and Tax Revenue
- Used for outreach and marketing

PRO FORMA



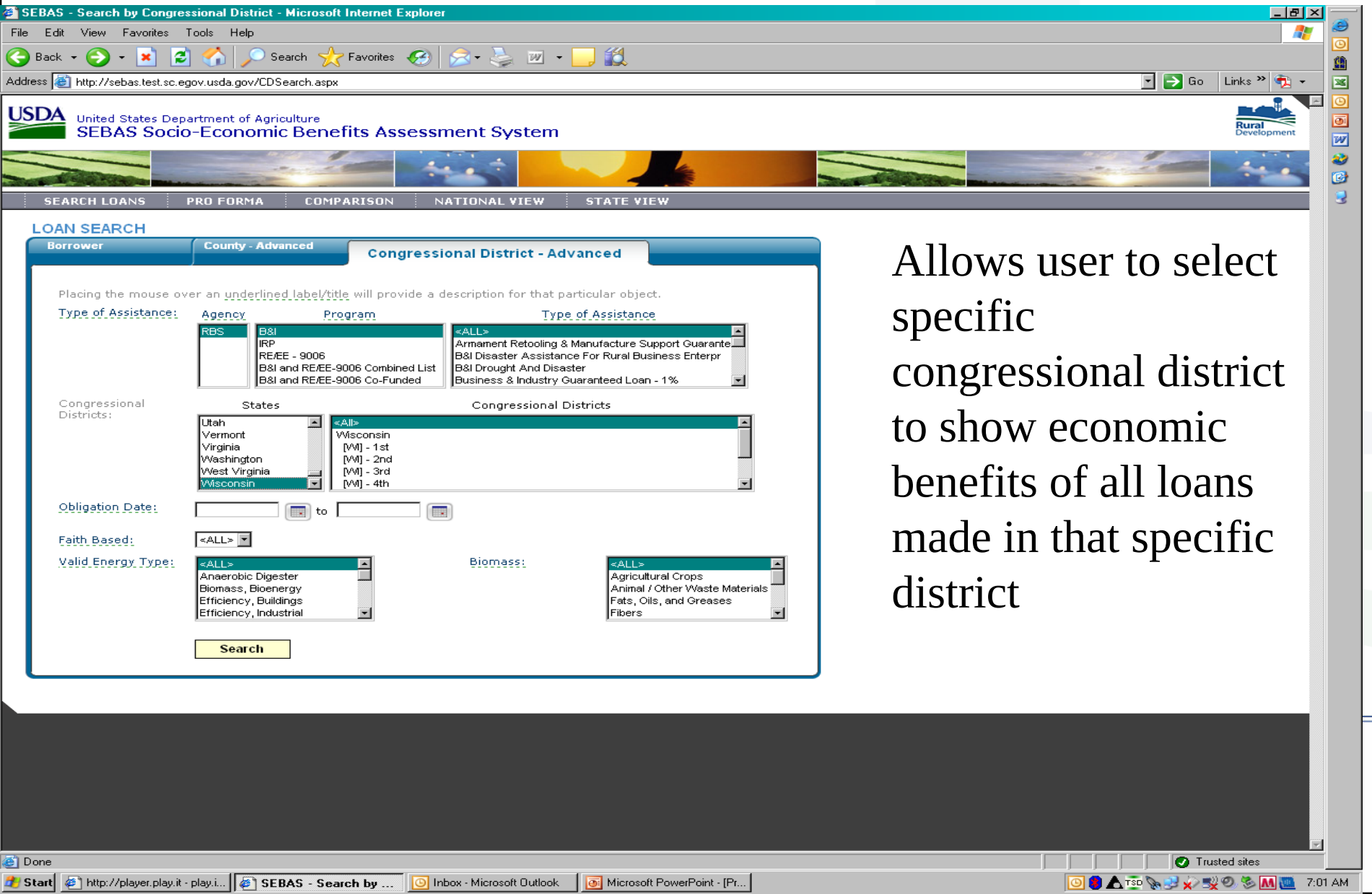
- Used to Calculate projected GDP for new applications
- Assists State to determine Economic Impacts of each proposed loan

COMPARISON OF LOANS



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

CONGRESSIONAL DISTRICT SEARCH

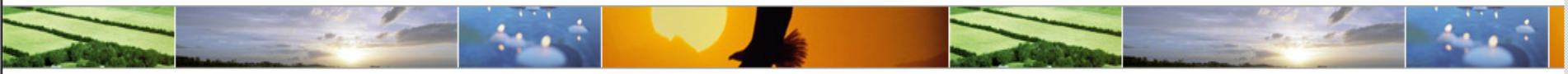


Allows user to select specific congressional district to show economic benefits of all loans made in that specific district

USDA United States Department of Agriculture

SEBAS Socio-Economic Benefits Assessment System

Rural Development



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)		
▼ Iowa		396	385	332	524	$30,933	$60	$1,758	$1,435,895	$16,767,763
▼ Dickinson		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
▼ Ida		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
▼ Lyon		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

Professional Performance for the Home

Professional Performance for the Home

Professional Performance

Professional Performance for the Home

Viking Founder

Fred E. Carl, Jr.

Inspired by Chambers Range

Professional Performance for the Home

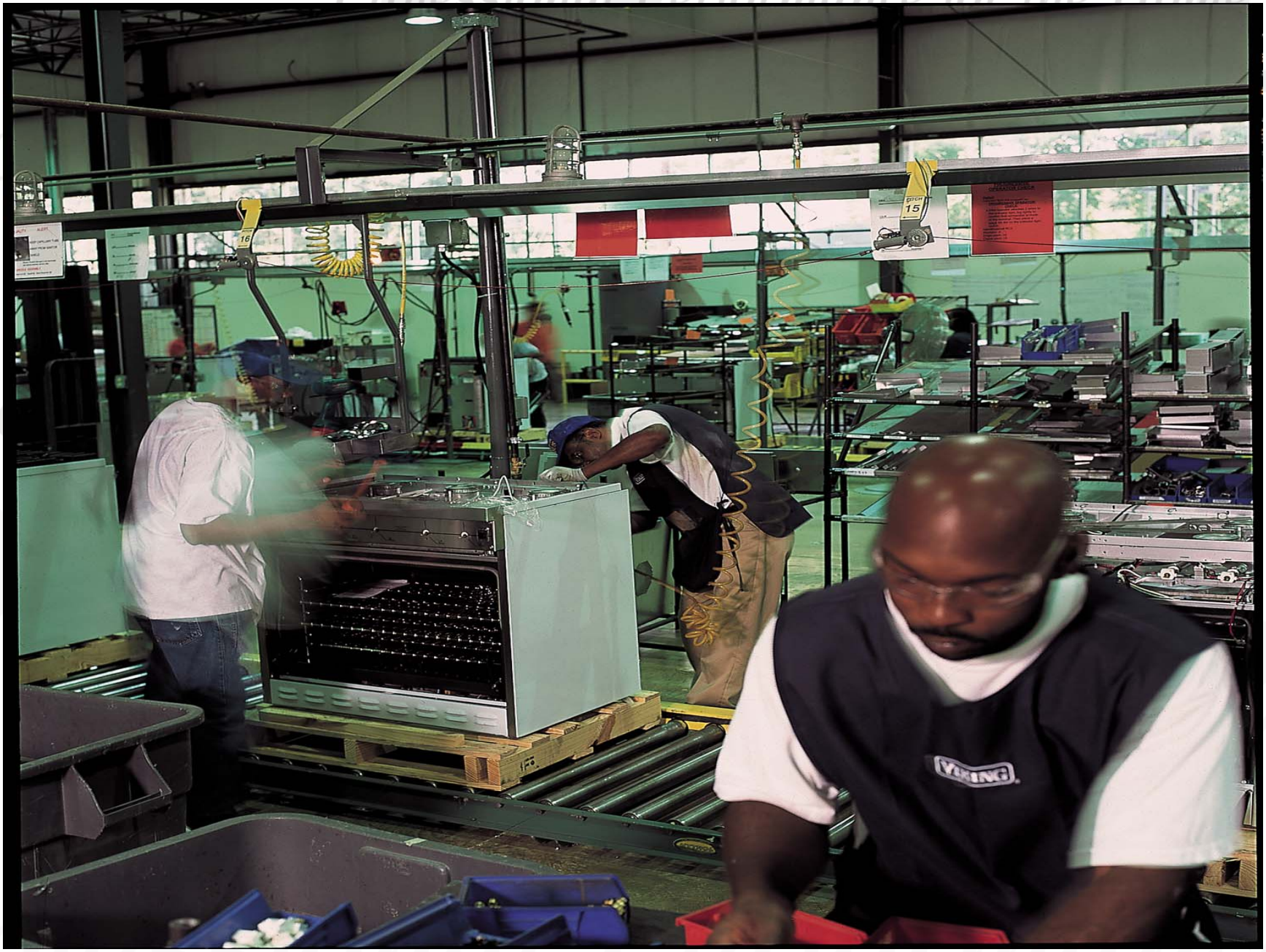
VIKING RANGE CORPORATION®

VIKING

Received AGA approval in 1986 and began full production in 1987

What is Viking Range Corporation?

VIKING
GAS
RANGETOPS
ELECTRIC
RANGETOPS
WARNING


PITCH
15
VIKING

Kodak EPP 3241

VIKING
PRODUCT SUPPORT CENTER

AMADA
VIPROS 357
QUEEN
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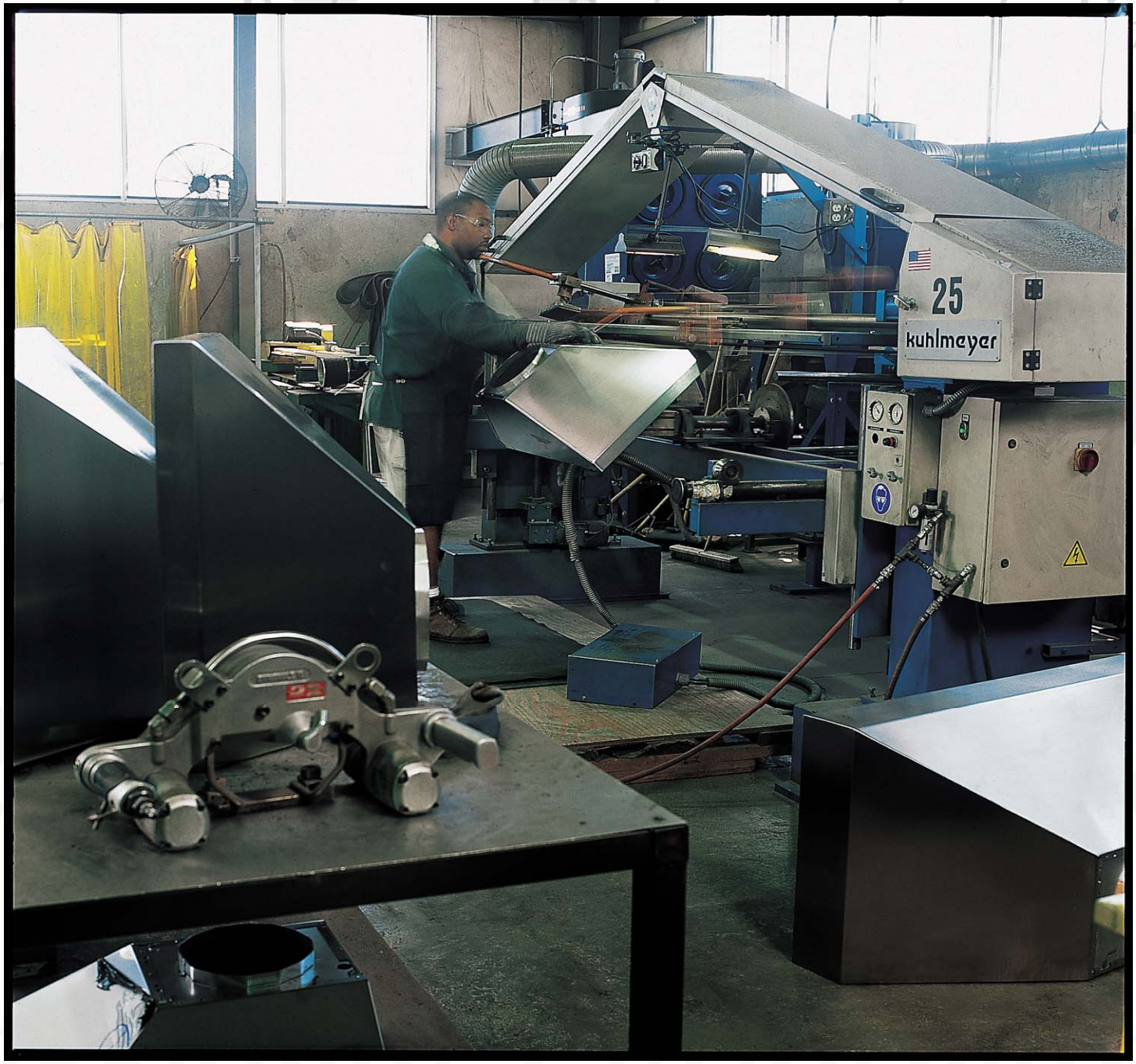
AMADA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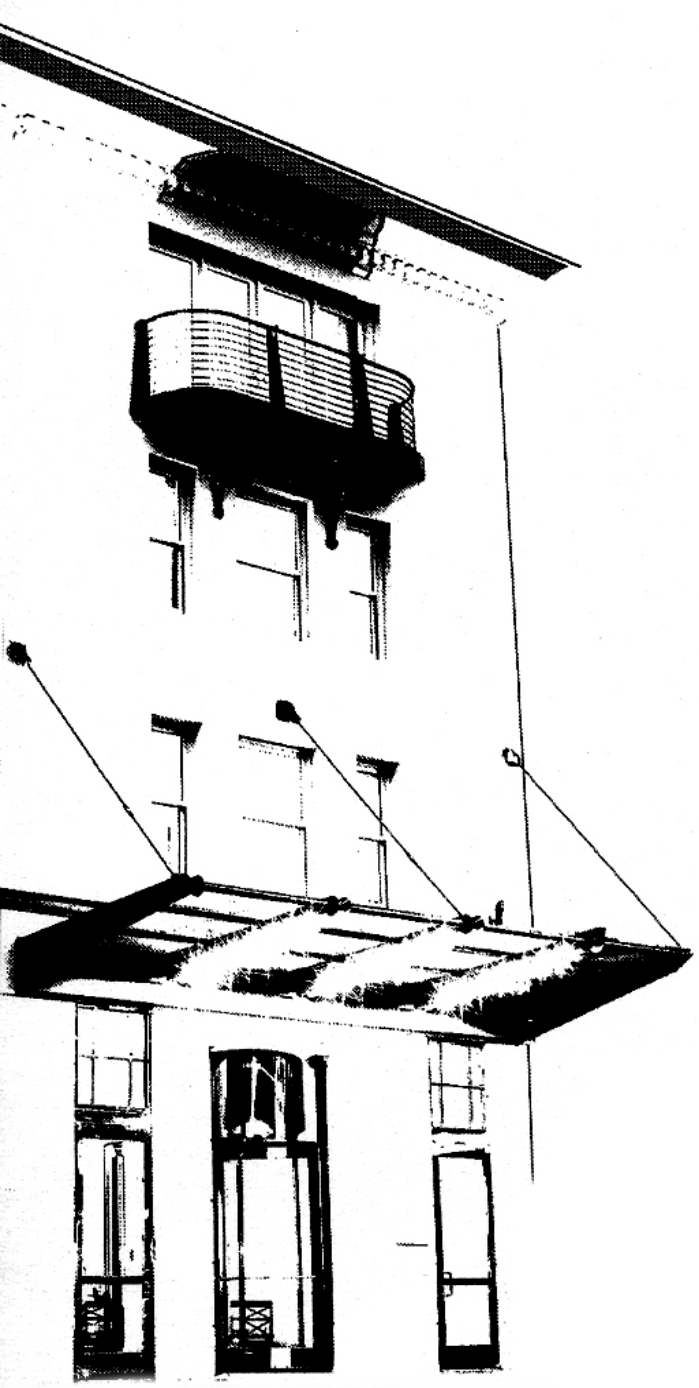

Viking Hospitality Group

Professional Performance for the Home

THE ALLUVIAN

THE ALLUVIAN SPA

VIKING

COOKING SCHOOL

GIARDINA'S

(EST. 1936)

Professional Performance for the Home

Professional Performance for the Home

Performance for the Home

Professional Performance for the Home

Giardina's

Professional Performance for the Home

THE ALLUVIAN SPA

The Viking Cooking School

Professional Performance for the Home

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