

Alabama Military Stability Foundation

Welcome to the world of RAAD™!

The platform you are about to access and use is the first of its kind: a “living map” of the defense industry supply chain for the State of Alabama, updated automatically every quarter-year with data from various Federal databases to reflect the latest Department of Defense (DOD) funding levels in the various counties of Alabama, and with reflection of the fund allocations across North American Industry Classification System (NAICS) codes, Equipment codes, DOD Customers, and supply chain partner Vendors.

What makes this **Alabama Military Stability Foundation (AMSF)** RAAD™ platform even more unique is the ability for users to navigate to see the funds have been allocated to the counties and metropolitan statistical areas (MSAs) and Vendors. Further, this tailored version of the RAAD™ platform provides users with the ability to perform ‘what-if’ economic modeling projections of potential impact on funds and jobs by NAICS codes at the county, MSA, and State level.

All visualization report results generated in the platform can be exported to comma-separated value (CSV) files for use and analysis in spreadsheets or other tools outside of RAAD™.

The application platform has been designed with simplicity in mind, to help users get onboard and using the application with nearly no training. This instruction guide will show you the various features of the platform, just in case you want to familiarize yourself first, before diving into the platform.

Registration & Login

In order to access the AMSF RAAD™ platform, you must first complete a registration form. The required elements for registration are:

- First name
- Last name
- Company name
- E-mail address
- Password (entered twice)

You must enter all of these elements in your registration, and your user ID will become your Login ID.

The website address for the AMSF RAAD platform is:

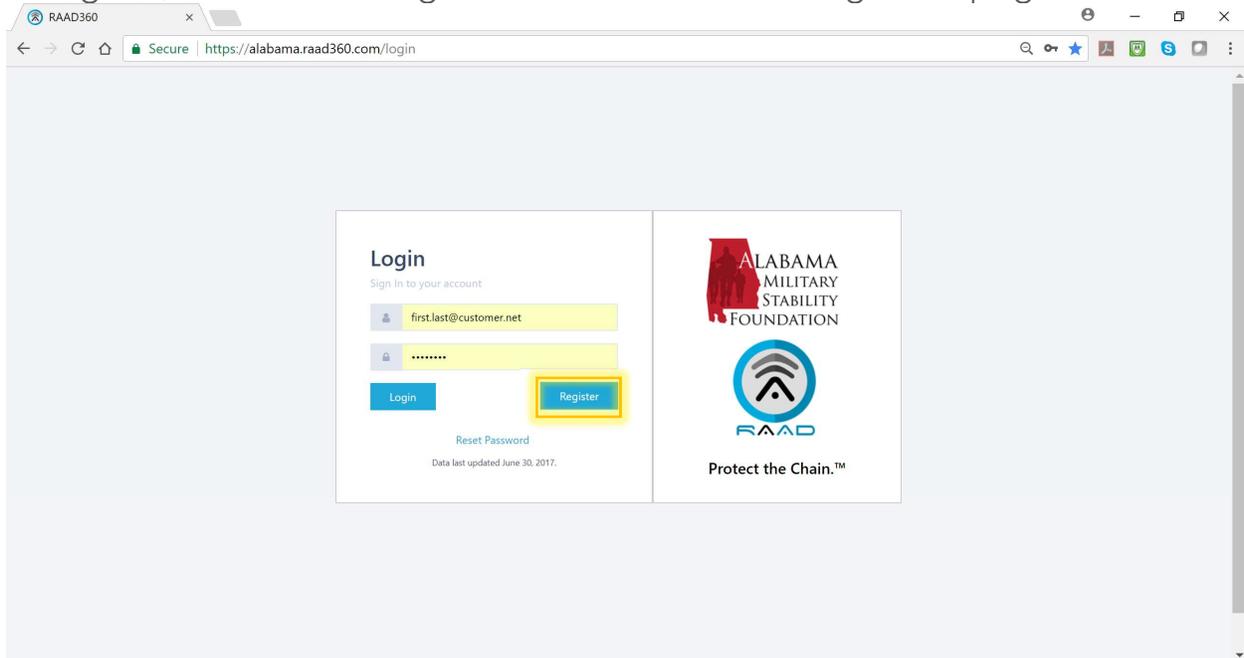
<https://alabama.raad360.com>.



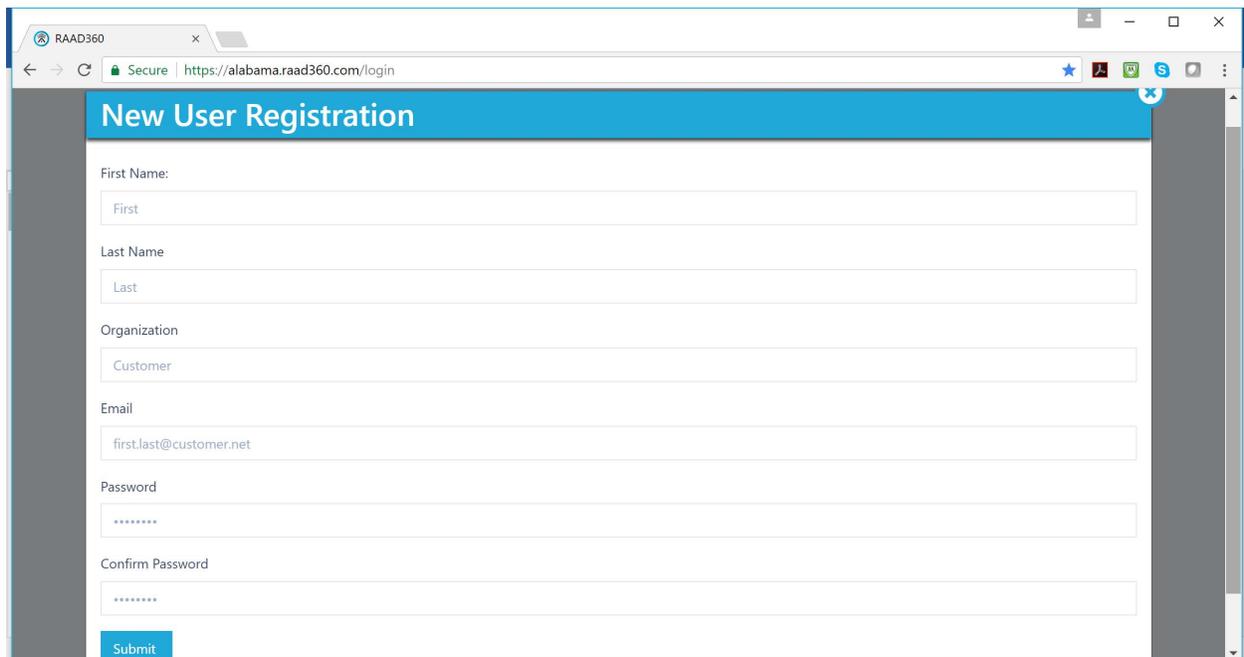


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To register, click on the 'Register' button on the front login webpage:



Enter your first and last name, company name, e-mail address, and password (twice).

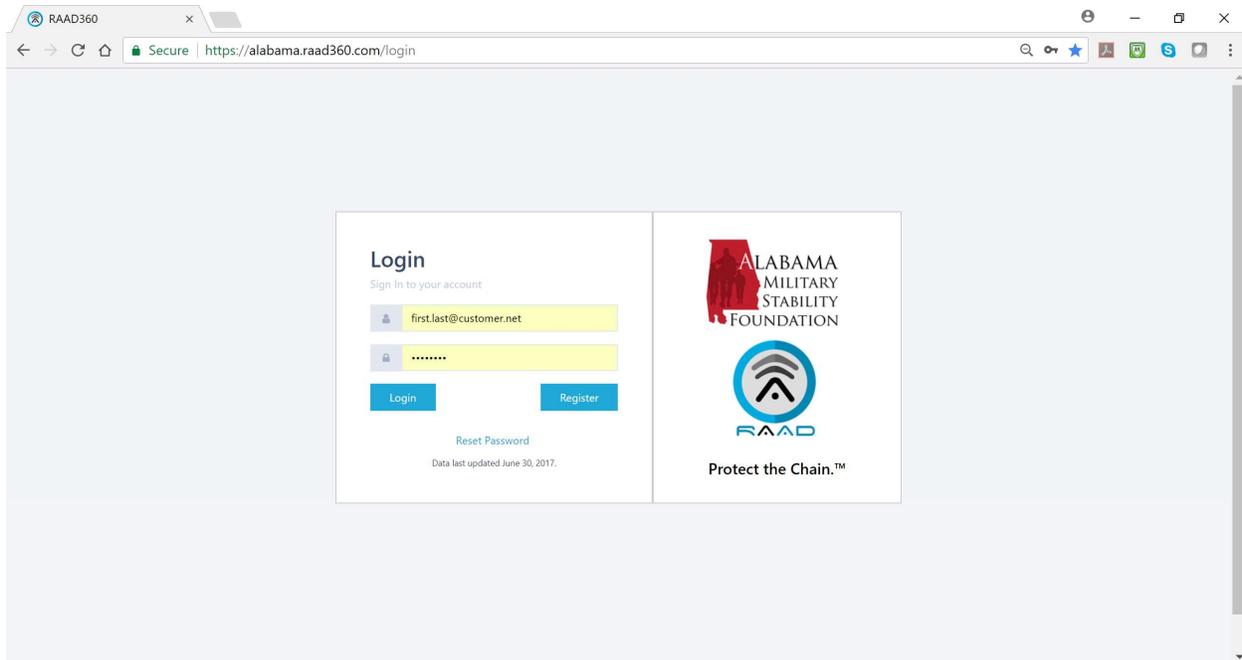


Click the 'Submit' button.



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Now, enter the E-mail address and Password created in your registration:



Note: if you have forgotten your password, click the 'Reset Password' link, and a new system-generated password will be e-mailed to your registration e-mail account.

The date of last database update from the attached Federal source systems is listed just underneath the 'Reset Password' link.

The AMSF RAAD™ application platform features a **Single Page Application (SPA)**, which means that you never have to remember and use navigation paths, menus, or transaction codes. Everything is accessible from the SPA, with data report pop-ups and visualization screens overlaying the SPA main page. Returning to the default view is as easy as closing any pop-up boxes.

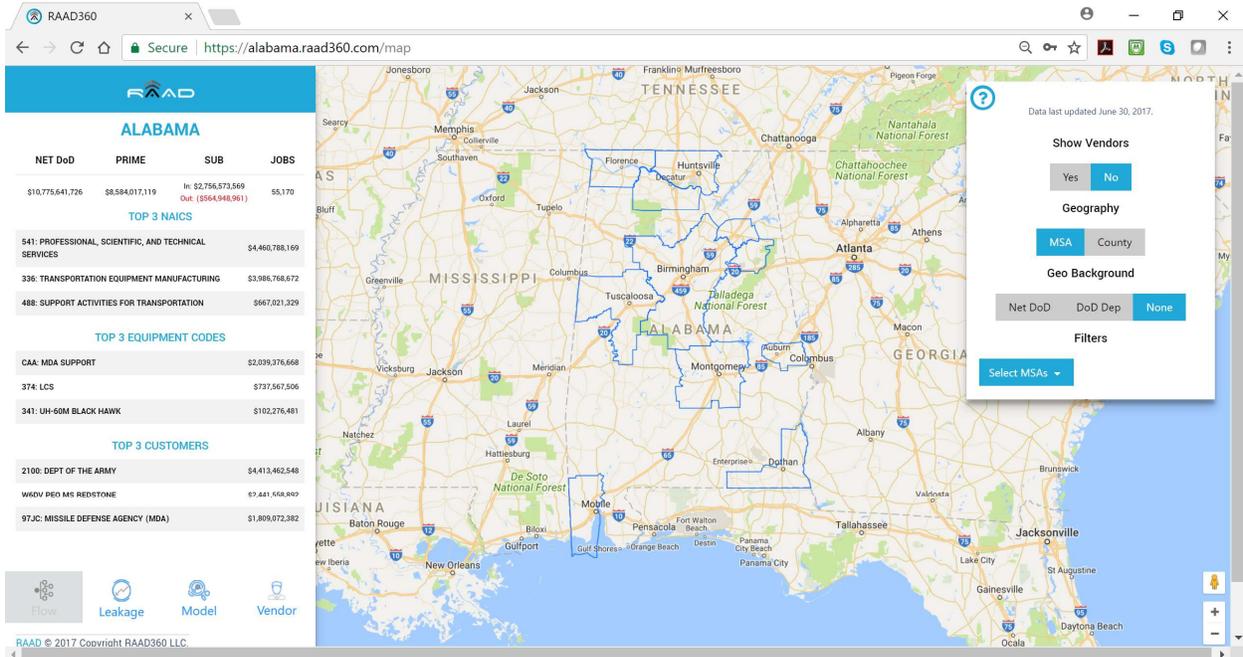
Now, let's explore the application...



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Initial View

Upon successful login, you will be brought to the map view of the RAAD™ Single Page Application (SPA).



The SPA consists of three main components, the Data Panel on the left, the Filter Panel on the right, and the RAAD™™ map in the main window.

Using the Map

In the initial execution state, the map has no specific regions selected (Metropolitan Statistical Areas (MSA) or counties). There are no filters applied in the right Filter Panel, and the information displayed in the left Data Panel represents the entire defense supply chain for the State of Alabama.



You may zoom in or zoom out in the Map by using the + / - toggle button at the bottom right of the browser window frame.

If your browser resolution is too large, and it is causing the text / buttons in the left Data Panel or right Filter Panel to render improperly or be hidden outside the panel frame, you may use your 'Ctrl' and '-' keys to reduce zoom out sufficiently to display everything in the panel frames. Conversely, 'Ctrl' and '+' will zoom in to enlarge the panel frame content.



Data Panel

The Data Panel includes two types of information – the displayed aggregate DOD annual spending and economic impact summary data, and the buttons to launch additional visualizations (Flow, Leakage, and Model). See the sections below on Flow Visualization, Leakage Report, and Modeling for more information about this functionality.

Note: in the State-level view for Alabama, the ‘Flow’ visualization is not active, and the button is disabled. This Flow visualization button is enabled when an MSA or county has been selected on the Map or in the Filter Panel.

Net DoD – Total prime contract obligations by place of performance for the State of Alabama for most recent annual period smoothed by period of performance plus reported subcontract amounts within the State minus reported subcontract amounts to contractors outside of the State by primes located in the State. (Net DoD \$ = Prime \$ + Sub In \$ - Sub Out \$)

Prime – Total prime contract obligations where the place of performance is within the State of Alabama for the most recent annual period smoothed by period of performance.

Sub – Reported subcontract amounts for the most recent annual period related to the State of Alabama. The In amounts are for ‘sub’ Vendors that have a place of performance within the State of Alabama. The Out amounts are for ‘sub’ Vendors that are outside of the State of Alabama reported by primes within the State.

Jobs – Projected number of jobs created from the DoD funds (based on Alabama job creation ratios).

Top 3 NAICS – this section shows the top three recipient NAICS industry codes accounting for the highest Net DoD amounts within the State of Alabama.

Top 3 Equipment Codes – this section shows the top three recipient equipment codes accounting for the highest Net DoD amounts within the State of Alabama.

Top 3 Customers – this section shows the top three DoD customers accounting for the highest Net DoD amounts within the State of Alabama.



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Note: by default, these categorical sums reflect the entire State of Alabama. When MSA/County filters are selected in the Filter Panel, the Data Panel categories and sum totals adjust to reflect the MSA/County filter.

Filter Panel

The buttons and selection boxes in this panel provide various control elements to determine what data will be rendered in the Map.

Default

Before selecting Vendors or other filters, the default filter shows MSA outlines on the Map. Only a single MSA (or County) may be selected at any given time. To choose a specific MSA, you may either click on the MSA shape on the Map, or you may choose a single MSA from the "Select MSAs" selection box in the Filter Panel.

The screenshot shows the RAAD360 web application interface. The main map displays the state of Alabama with the Huntsville Metropolitan Statistical Area (MSA) highlighted in blue. The left-hand 'Data Panel' is titled 'HUNTSVILLE' and contains the following data:

NET DoD	PRIME	SUB	JOBS
\$8,071,594,151	\$6,000,115,564	In: \$2,638,951,222 Out: (\$957,472,635)	35,304

Below this are sections for 'TOP 3 NAICS', 'TOP 3 EQUIPMENT CODES', and 'TOP 3 CUSTOMERS'. The right-hand 'Filter Panel' is open, showing options for 'Show Vendors' (Yes/No), 'Geography' (MSA/County), 'Geo Background' (Net DoD/DoD Dep/None), and a list of MSAs with '1 MSA' selected.

Note: the data in the Data Panel on the left of the SPA window is automatically filtered to show the summarized data for the selected MSA. The Flow, Leakage, and Model buttons will now be restricted to reflect only the data relevant to that MSA.

To choose a specific County, you must click on the 'County' button under 'Geography', and then either click on the desired County shape on the Map, or



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you may choose a single County from the “Select Counties” selection box in the Filter Panel.

The screenshot shows the RAAD360 web application interface. The main map displays the state of Alabama with county boundaries. The Huntsville county is highlighted in blue. On the left, a data panel for 'MADISON' is visible, containing a table with columns: NET DoD, PRIME, SUB, and JOBS. Below the table are sections for 'TOP 3 NAICS', 'TOP 3 EQUIPMENT CODES', and 'TOP 3 CUSTOMERS'. On the right, a filter panel is open, showing options for 'Show Vendors' (Yes/No), 'Geography' (MSA/County), 'Geo Background' (Net DoD/DoD Dep/None), and a 'Filters' section with a dropdown menu currently set to '1 county'. A list of counties is visible below the dropdown, including Autauga, Baldwin, Barbour, Bibb, and Blount.

Note: the data in the Data Panel on the left of the SPA window is automatically filtered to show the summarized data for the selected County. The Flow, Leakage, and Model buttons will now be restricted to reflect only the data relevant to that County.

To remove the MSA or County filter from the Map, and from the Data Panel, you must simply click on the ‘x’ button at the top of the Data Panel. This will restore the Map and Data Panel views to the initial state (Alabama-level).





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Show Vendors

This button determines if Vendors will be marked on the Map with a pin location based on their physical address on file (Yes/No). When 'No', the map will only show the MSA outlines, by default. When 'Yes', the pins will appear across the Map for the entire State of Alabama.

The screenshot shows the RAAD360 web application interface. On the left, there is a sidebar with a table of data for Alabama, including Net DoD, Prime, Sub, and Jobs counts, as well as top 3 NAICS and equipment codes. The main area is a map of Alabama with numerous red pins representing vendors. On the right, there is a control panel with various filters and options.

NET DoD	PRIME	SUB	JOB
\$10,775,641,726	\$8,584,017,119	In: \$2,795,570,569 Out: (2554,948,961)	55,170

TOP 3 NAICS

541: PROFESSIONAL, SCIENTIFIC, AND TECHNICAL SERVICES	\$4,460,788,169
336: TRANSPORTATION EQUIPMENT MANUFACTURING	\$3,986,768,672
488: SUPPORT ACTIVITIES FOR TRANSPORTATION	\$667,021,329

TOP 3 EQUIPMENT CODES

CAA: MDA SUPPORT	\$2,039,376,668
374: LCS	\$737,567,506
341: UH-60M BLACK HAWK	\$102,276,481

TOP 3 CUSTOMERS

2100: DEPT OF THE ARMY	\$4,413,462,548
WRDV PEO M5 REDSTONE	\$7,441,568,849
97JC: MISSILE DEFENSE AGENCY (MDA)	\$1,809,072,382

Control Panel:

- Show Vendors: Yes (selected), No
- Geography: MSA (selected), County
- Geo Background: Net DoD, DoD Dep, None (selected)
- Filters: Select MSAs, Select NAICS
- Vendor Type: Prime, Sub, Both (selected)
- Net DOD \$ Categories: 1, 2, 3, 4, 5 (selected)
- Small Businesses Only

If you hover over a specific Vendor pin on the Map with your mouse, a pop-up dialog box will appear with the name of the Vendor, and their total DoD funding amount for the current period. Note: if the Vendor has no DoD funding in the current period, no pop-up dialog box will appear. The only way to see the details of that Vendor is to click on the pin on the Map.



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ALABAMA

NET DoD	PRIME	SUB	JOBS
\$10,775,641,726	\$8,584,017,119	In: \$2,756,573,569 Out: (\$564,948,961)	55,170

TOP 3 NAICS

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TOP 3 CUSTOMERS

2100: DEPT OF THE ARMY	\$4,413,462,548
W60V PEO MS REDSTONE	\$2,441,558,892
97JC: MISSILE DEFENSE AGENCY (MDA)	\$1,809,072,382

WASHINGTON GOVERNMENT ENVIRONMENTAL SERVICES COMPANY LLC
Net DoD - \$660,068

Show Vendors: Yes No
Geography: MSA County
Geo Background: Net DoD DoD Dep None
Filters: Select MSAs Select NAICS
Vendor Type: Prime Sub Both
Net DOD \$ Categories: 1 2 3 4 5
Small Businesses Only

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click on a specific Vendor pin on the Map, the left Data Panel adjusts to show the address details, the primary NAICS, and total Net DoD spending for that Vendor.

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PROFILE

TOTAL DOLLARS	\$772,204
PRIMARY NAICS	RESEARCH AND DEVELOPMENT IN BIOTECHNOLOGY - NANOBIOTECHNOLOGIES RESEARCH AND EXPERIMENTAL DEVELOPMENT LABORATORIES
ADDRESS	27757 CRICKET LN
CITY	HARVEST
STATE	AL
ZIP	35749

Show Vendors: Yes No
Geography: MSA County
Geo Background: Net DoD DoD Dep None
Filters: 1 MSA Select NAICS
Vendor Type: Prime Sub Both
Net DOD \$ Categories: 1 2 3 4 5
Small Businesses Only

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When 'Yes' has been selected for Show Vendors, then an additional three filters will appear for refinement of the resulting pins to be shown on the Map. If 'No' is selected, then all additional filter options below will disappear from the panel.

'Select MSAs' – allows a single, specific MSA within which to have Vendor pins shown.

'Select NAICS' – allows a single or multiple NAICS industry codes to be applied to restrict which Vendor pins will be shown based on the Vendor's primary NAICS code.

'Vendor Type' – allows only Vendors that are 'Prime', or 'Sub' to be shown. Alternatively, 'Both' will only show pins for Vendors that serve as both Prime and Sub vendors.

'Net DOD \$ Categories' – will restrict the Vendor pins displayed to only those Vendors that have received DOD spending within a certain dollar range. By selecting only one, or a few of these Categories, the number of pins will be less than if all Categories are selected.

'Small Businesses Only' – will restrict the pins on the Map to only display those Vendors that have been determined to be small businesses by a contracting officer.



This button at the top of the Filter Panel provides an overview of all button and selection box elements in the panel.



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Help

- **Net DoD:** Total prime contract obligations by place of performance for the geographic area for the most recent annual period smoothed by period of performance plus reported subcontract amounts over the same period within the same place of performance area minus reported subcontract amounts over the same period where the place of performance is outside of the geographic area.
- **Prime:** Total prime contract obligations by place of performance for the geographic area for the most recent annual period smoothed by period of performance.
- **Sub-In:** Reported subcontract amounts for the most recent annual period where the place of performance is inside the geographic area.
- **Sub-Out:** Reported subcontract amounts for the most recent annual period where the place of performance is outside the geographic area.
- **Net Jobs:** Estimated jobs for the "Prime" field plus "Sub-In" minus "Sub-Out" based on job multipliers by NAICS code at the county, MSA, or state level.
- **Small Business Only:** Contractors determined to be a small business by the contracting officer on the most recent contract action during the most recent annual period.
- **Trend:** Projected next annual period Net DoD amount by NAICS based on a 5 year linear regression calculation. Negative projected amounts are set to zero.

- P** Prime Vendor
- S** Sub Vendor
- B** Both Prime and Sub Vendor

Net DoD Tiers

- Over \$1B
- Between \$100M and \$1B
- Between \$10M and \$100M
- Between \$1M and \$10M
- Under \$1M

DoD Dependency Tiers

- Over 10%
- Between 1% and 10%
- Between .1% and 1%
- Between .01% and .1%
- Under .01%

Vendor DoD Categories

- Over \$100M
- Between \$10M and \$100M
- Between \$1M and \$10M
- Between \$100K and \$1M
- Under \$100K

OK

Geography

This button toggles between MSA boundary display on the Map, and County display on the Map. 'MSA' is the default Map display.

The screenshot shows the RAAD360 web application interface. On the left, there is a data summary for Alabama, including Net DoD, Prime, Sub, and Jobs values, along with top 3 NAICS, equipment codes, and customers. The main area is a map of Alabama with county boundaries highlighted. A control panel is overlaid on the map, allowing users to toggle 'Show Vendors' (Yes/No), 'Geography' (MSA/County), and 'Geo Background' (Net DoD/DoD Dep/None). There is also a 'Filters' section with a 'Select Counties' dropdown.



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Geo Background

These buttons will change the color shading of the MSAs or Counties. 'None' is the default Map display.

Net DoD – this categorizes (and color-shades) the MSAs or counties based on the total DoD spending level of each municipality.

DoD Dep – this categorizes (and color-shades) the MSAs or counties based on the percentage of Net DoD jobs to total employment within the municipality.

Flow Visualization

This visualization shows the 1st tier subcontractors reported by primes as they relate to the selected geographic area (County or MSA) by place of performance.

Note: this Flow visualization is not available for Alabama at the State-level, due to data volume and the unreadability of the resulting visualization. To use this button, you must have used the Filter Panel to restrict to either a single MSA or County.

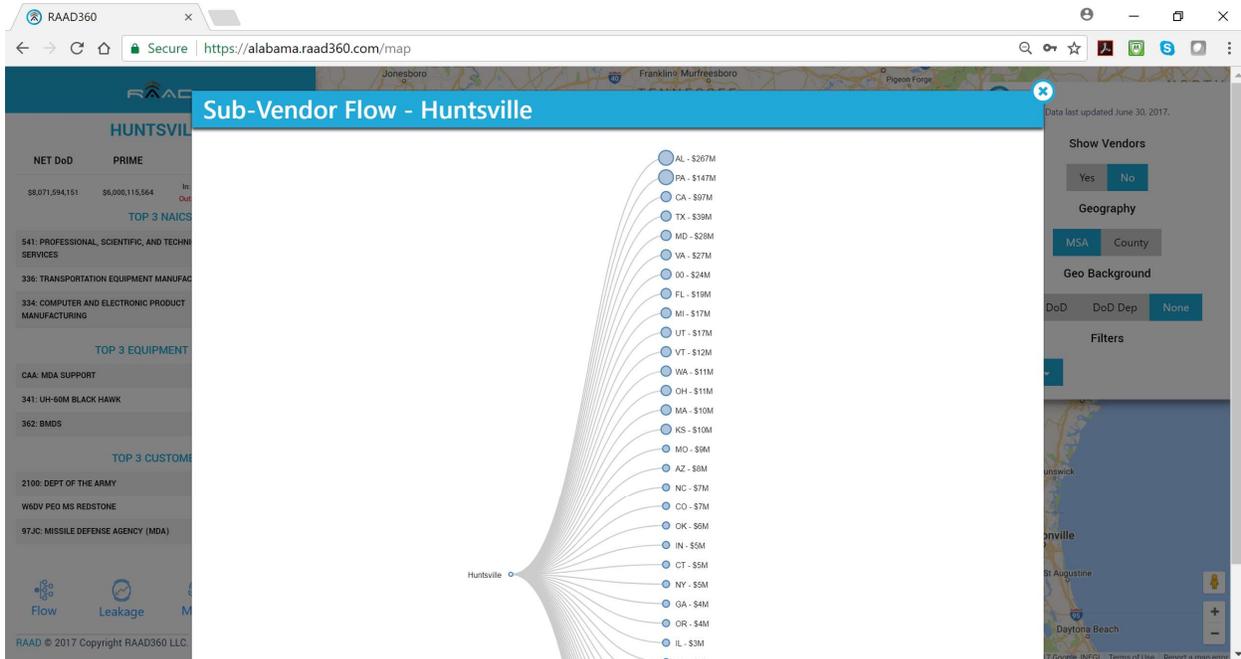
The screenshot shows the RAAD360 web application interface. The main map displays Alabama with the Huntsville Metropolitan Statistical Area (MSA) highlighted in blue. On the left, a data table for Huntsville is shown:

NET DoD	PRIME	SUB	JOBS
\$8,071,594,151	\$6,000,115,564	In: \$2,638,951,222 Out: (\$567,472,635)	35,304

Below the table are sections for 'TOP 3 NAICS', 'TOP 3 EQUIPMENT CODES', and 'TOP 3 CUSTOMERS'. On the right, a filter panel is open, showing options for 'Show Vendors' (Yes/No), 'Geography' (MSA/County), 'Geo Background' (Net DoD/DoD Dep/None), and 'Filters' (1 MSA).



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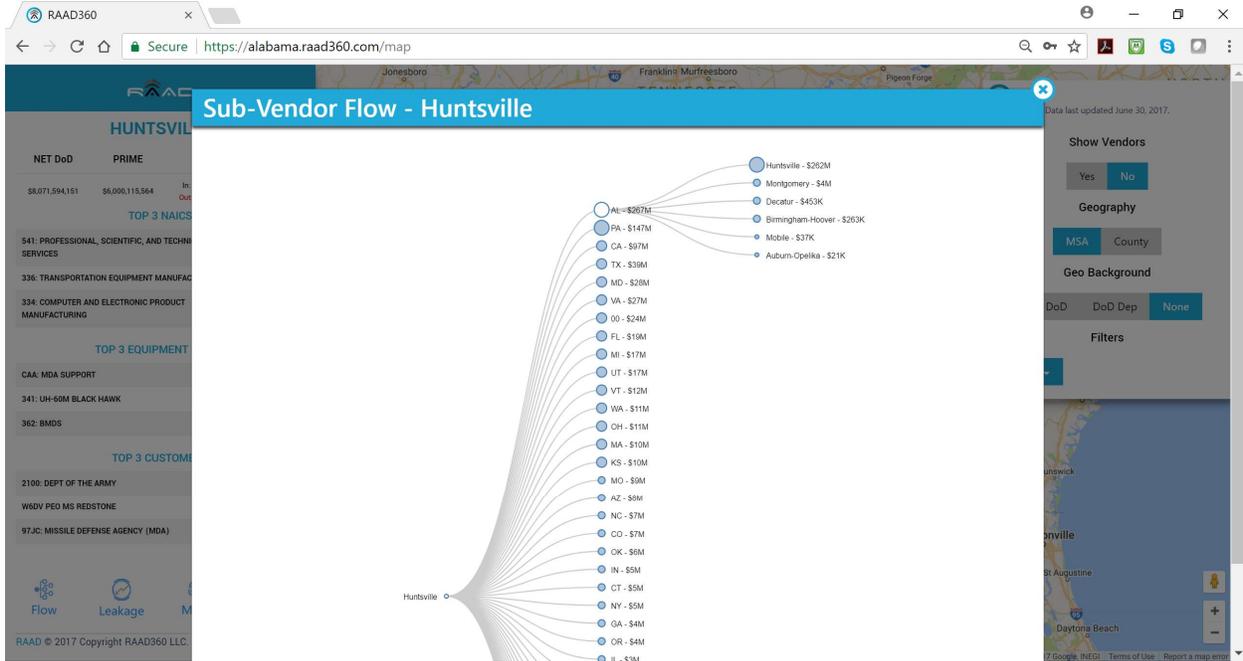
The resulting Flow visualization shows the selected MSA or County at the left-most node in the hierarchy. The next node level contains the U.S. States that have received subcontracts from primes representing a flow into or out of the selected MSA or County. Non-Alabama state nodes include total dollars flowing from primes within the selected MSA/County to subcontractors with a place of performance outside of the State of Alabama. The Alabama state node includes the following total dollars flows:

- From primes located outside of the State of Alabama to subcontractors within the selected MSA/County
- From primes located outside of the selected MSA/County, but within Alabama to subcontractors within the selected MSA/County
- From primes inside the selected MSA/County to subcontractors within the selected MSA/County

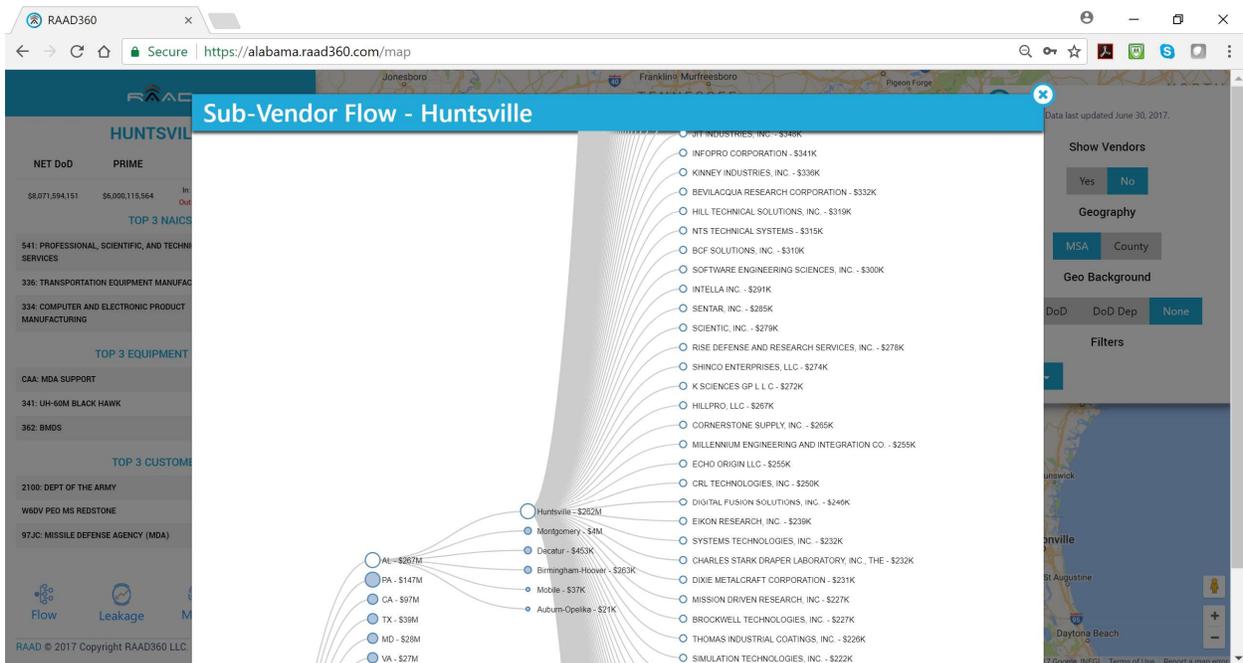


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In-MSA/County Funding Flow



Within the Alabama node the next node level provides the MSAs or Counties within Alabama that contain Vendors that have received subcontracts based on place of performance.



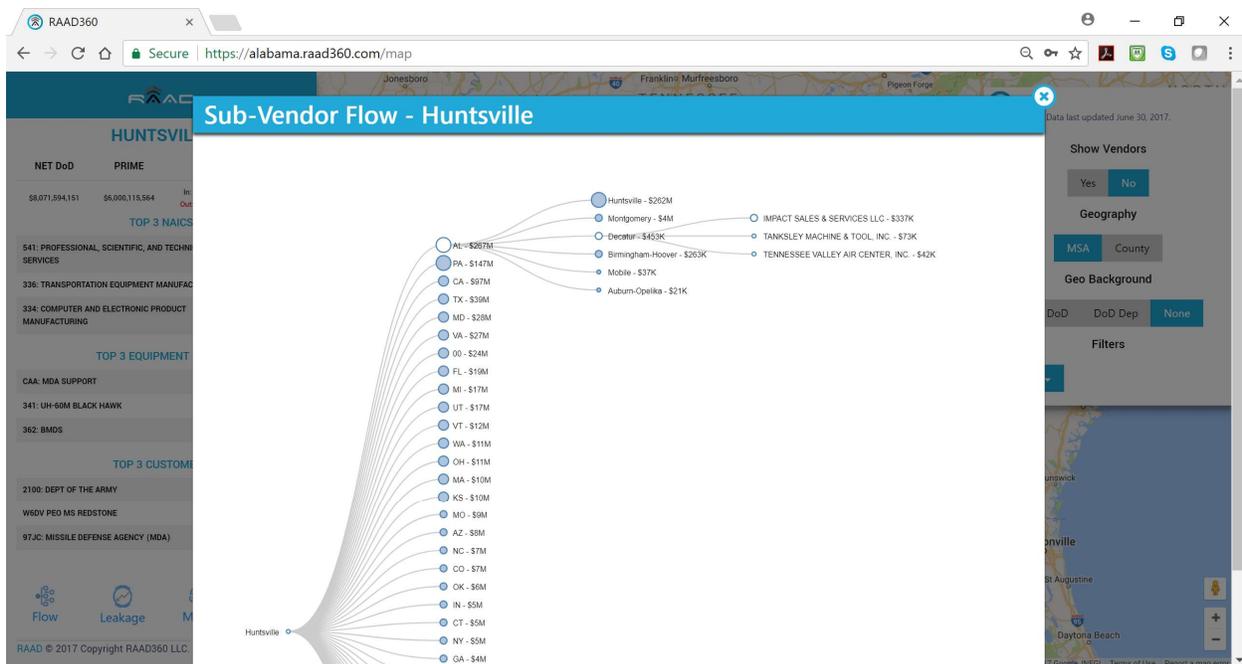


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The next (and final) node level under Alabama is the list of Vendors which received DoD subcontracts with a place of performance within the selected MSA/County, sorted in descending order of total subcontract value received by the Vendor.

In-State (outside MSA/County) Funding Flow

Within the 'AL' State node, but under other MSAs/Counties than the selected MSA/County node, is the list of Vendors which received DoD subcontracts with a place of performance outside the selected MSA/County, but within Alabama.

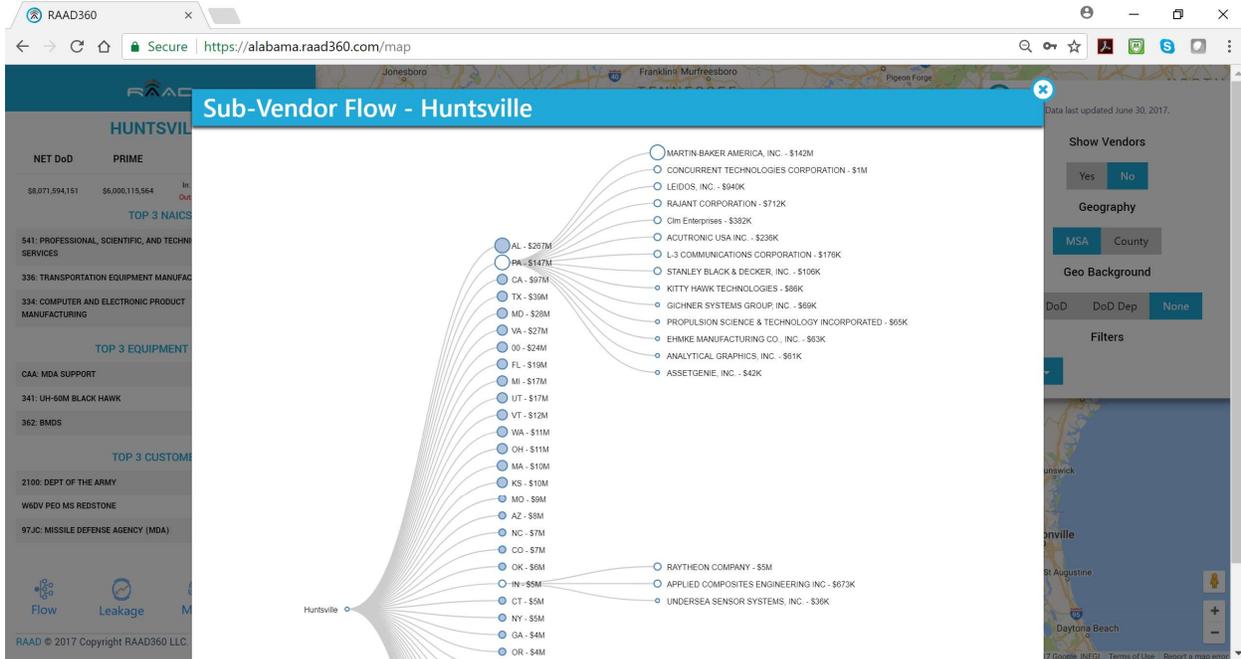




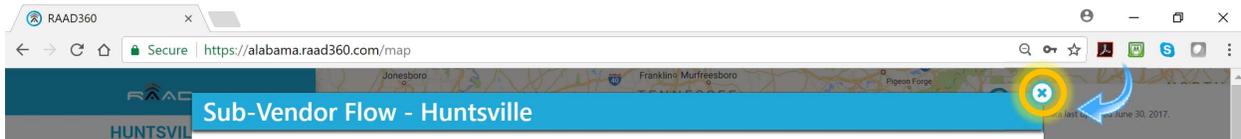
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Outside of State Funding Flow

By clicking on any non-'AL' State in the Flow Visualization, you will now see the Vendors in other U.S. States that have received subcontracts from primes located within the selected MSA/County.



To leave the Flow Visualization, or any of the pop-up visualizations, and to return to the full Map view, click on the 'x' button at the top right of the visualization window frame.





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Leakage Report

The “Leakage” Report is designed to show the flow of subcontract dollars leaving the State, and flowing to Vendors outside of the State. The Leakage Report may be executed at the State, MSA, or County level, to reflect the data relevant to that level.

The Leakage table contains information about subcontract dollars that are flowing outside of the State of Alabama, shown by: NAICS Code and Name, Customer (source of the DoD funds), the Company (vendor receiving the DoD subcontracts), State (based on the Vendor’s reported place of performance), Leakage (the total subcontract dollars awarded to that Vendor), and the Jobs Lost (based on job multipliers by NAICS for the State of Alabama).

Naics	Naics Name	Customer	Company	State	Leakage	Jobs Lost
336	Transportation Equipment Manufacturing	W6DQ 01 PEO AVN	MARTIN-BAKER AMERICA, INC.	PA	\$137,521,215	550
541	Professional, Scientific, and Technical Services	MISSILE DEFENSE AGENCY (MDA)	CB TECHNOLOGIES, INC.	CA	\$30,789,379	153
336	Transportation Equipment Manufacturing	W6DQ 01 PEO AVN	TURBOMECA USA, INC.	TX	\$19,800,148	19
336	Transportation Equipment Manufacturing	W6DQ PEO AVN PM NS (06)	AAL GROUP LTD	00	\$15,582,273	15
336	Transportation Equipment Manufacturing	W6DQ 01 PEO AVN	SIMMONDS PRECISION PRODUCTS INC	VT	\$12,597,667	12
336	Transportation Equipment Manufacturing	ASC YW	FLIGHTSAFETY SERVICES CORPORATION	CA	\$10,978,806	43
336	Transportation Equipment Manufacturing	W6DQ PEO AVN PM NS (06)	BEECHCRAFT DEFENSE COMPANY, LLC	KS	\$9,442,244	9
336	Transportation Equipment Manufacturing	W6DQ 01 PEO AVN	LOGISTIC SERVICES INTERNATIONAL, INC.	FL	\$8,224,392	8
541	Professional, Scientific, and Technical Services	DEFENSE TECHNICAL INFO CENTER	SPALDING CONSULTING, INC.	MD	\$7,801,434	39
336	Transportation Equipment Manufacturing	W0H9 US ARMY AVN MISSLES CMD	L-3 COMMUNICATIONS CORPORATION	UT	\$7,277,865	7
336	Transportation Equipment	ASC YW	CYMSTAR LLC	OK	\$6,532,457	26

The report data is sortable by column – the default sort is descending on the ‘Leakage’ amount column. By clicking again on the sort column, you may change from descending to ascending.



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Naics	Naics Name	Customer	Company	State	Leakage	Jobs Lost
336	Transportation Equipment Manufacturing	W6DQ 01 PEO AVN	SEI INTERNATIONAL SALES INC	00	\$66	0
541	Professional, Scientific, and Technical Services	JOINT STAFF SUPPLY, DOM, JSSSO	SCIENCE APPLICATIONS INTERNATIONAL CORPORATION	VA	\$500	0
336	Transportation Equipment Manufacturing	W6QK ACC-RSA	ROCKWELL COLLINS, INC.	IA	\$1,556	0
336	Transportation Equipment Manufacturing	W6DQ PEO AVN PM NS (06)	LOM PRAHA S.P.	00	\$2,000	0
336	Transportation Equipment Manufacturing	W6DQ PEO AVN HUNTSVILLE	STEVENS AVIATION INC.	SC	\$4,000	0
562	Waste Management and Remediation Services	ACCTG DISB STA NR 667100	Brown Remediation, Inc.	GA	\$5,000	0
336	Transportation Equipment Manufacturing	W0H9 US ARMY AVN&MISSLES CMD	AGTECK, INC.	FL	\$6,109	0
336	Transportation Equipment Manufacturing	W6DQ PEO AVN PM NS (06)	AAL GROUP LTD	00	\$6,950	0
336	Transportation Equipment Manufacturing	W6QK ACC-RSA	ROCKWELL COLLINS, INC.	IA	\$7,764	0
541	Professional, Scientific, and Technical Services	W6QK ACC-RSA	COMMUNICATIONS, RESEARCH, ENGINEERING, AND CONSULTANT GROUP	GA	\$8,173	0

You may click on any other column to make it the sort target, and may click on it to switch from descending to ascending and back again.

Naics	Naics Name	Customer	Company	State	Leakage	Jobs Lost
336	Transportation Equipment Manufacturing	W6DQ 01 PEO AVN	MARTIN-BAKER AMERICA, INC.	PA	\$137,521,215	550
541	Professional, Scientific, and Technical Services	MISSILE DEFENSE AGENCY (MDA)	CB TECHNOLOGIES, INC.	CA	\$30,789,379	153
336	Transportation Equipment Manufacturing	ASC YW	FLIGHTSAFETY SERVICES CORPORATION	CA	\$10,978,806	43
541	Professional, Scientific, and Technical Services	DEFENSE TECHNICAL INFO CENTER	SPALDING CONSULTING, INC.	MD	\$7,801,434	39
336	Transportation Equipment Manufacturing	ASC YW	CYMSTAR LLC	OK	\$6,532,457	26
336	Transportation Equipment Manufacturing	W6DQ 01 PEO AVN	OLYMPUS SCIENTIFIC SOLUTIONS AMERICAS INC	MA	\$6,254,400	25
541	Professional, Scientific, and Technical Services	DEFENSE TECHNICAL INFO CENTER	APPLIED TECHNIQUES CORPORATION	WA	\$4,039,769	20
541	Professional, Scientific, and Technical Services	DEFENSE TECHNICAL INFO CENTER	APPLIED TECHNIQUES CORPORATION	WA	\$4,039,769	20
336	Transportation Equipment Manufacturing	W6DQ 01 PEO AVN	TURBOMECA USA, INC.	TX	\$19,800,148	19
541	Professional, Scientific, and Technical Services	W1DF AVIATION-MISSILE RDEC	SANTA BARBARA INFRARED, INC.	CA	\$3,731,247	18
541	Professional, Scientific, and Technical Services	DEFENSE TECHNICAL INFO	SIERRA MANAGEMENT AND	MD	\$3,675,000	18



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Economic Modeling

The third button-based function in the Data Panel is the 'Model'. This function enables the user to make spending & job impact projections based on projected change in spend or jobs by NAICS. The same function may be performed as a flat percentage allocated at the State, MSA, or County level, proportionally distributed across the NAICS industry codes reflecting net DoD dollars in that municipality.

Naics	Naics Name	Net DoD	Jobs	Trend	Target \$	Jobs
541	Professional, Scientific, and Technical Services	\$4,456,917,980	25,228	2.483%		0
336	Transportation Equipment Manufacturing	\$3,985,377,250	9,572	-3.28%		0
488	Support Activities for Transportation	\$667,021,329	1,340	24.801%		0
334	Computer and Electronic Product Manufacturing	\$263,419,680	594	-100%		0
561	Administrative and Support Services	\$260,223,843	2,599	-2.069%		0
236	Construction of Buildings	\$206,506,813	1,677	-20.794%		0
611	Educational Services	\$139,449,014	1,868	7.929%		0
517	Telecommunications	\$116,118,794	223	22.433%		0
324	Petroleum and Coal Products Manufacturing	\$91,194,525	82	10.373%		0
332	Fabricated Metal Product Manufacturing	\$76,229,397	124	-49.942%		0
811	Repair and Maintenance	\$61,912,489	560	-12.864%		0
315	Apparel Manufacturing	\$55,307,045	189	-17.393%		0
335	Electrical Equipment, Appliance, and Component	\$49,186,611	40	0.671%		0

The initial launch state for the Economic Modeling function does not have any projections.



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By adding in a value for 'Target \$' in a NAICS code row (or multiple), the system will calculate the resulting projected impact on the number of jobs for the NAICS code(s).

Economic Modeling - Alabama

Naics	Naics Name	Net DoD	Jobs	Trend	Target \$	Jobs
541	Professional, Scientific, and Technical Services	\$4,456,917,980	25,228	2.483%	\$4,000,000,000	22,642
336	Transportation Equipment Manufacturing	\$3,985,377,250	9,572	-3.28%		0
488	Support Activities for Transportation	\$667,021,329	1,340	24.801%		0
334	Computer and Electronic Product Manufacturing	\$263,419,680	594	-100%		0
561	Administrative and Support Services	\$260,223,843	2,599	-2.069%	\$275,000,000	2,747
236	Construction of Buildings	\$206,506,813	1,677	-20.794%		0
611	Educational Services	\$139,449,014	1,868	7.929%		0
517	Telecommunications	\$116,118,794	223	22.433%		0
324	Petroleum and Coal Products Manufacturing	\$91,194,525	83	10.373%	\$109,565,465	100
332	Fabricated Metal Product Manufacturing	\$76,229,397	124	49.942%		0
811	Repair and Maintenance	\$61,912,489	560	-12.864%	\$60,000,000	542
315	Apparel Manufacturing	\$55,307,045	189	-17.393%		0
335	Electrical Equipment, Appliance, and Component	\$49,186,611	40	0.671%		0



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If you enter a fixed percentage in the open box in the top right corner, that will overwrite and calculate the percentage adjustment in all of the NAICS code & respective number of jobs.

Economic Modeling - Alabama Overall Funding: 5.00%

Naics	Naics Name	Net DoD	Jobs	Trend	Target \$	Jobs
541	Professional, Scientific, and Technical Services	\$4,456,917,980	25,228	2.483%	\$4,679,763,879	26,490
336	Transportation Equipment Manufacturing	\$3,985,377,250	9,572	-3.28%	\$4,184,646,112	10,050
488	Support Activities for Transportation	\$667,021,329	1,340	24.801%	\$700,372,395	1,407
334	Computer and Electronic Product Manufacturing	\$263,419,680	594	-100%	\$276,590,664	624
561	Administrative and Support Services	\$260,223,843	2,599	-2.069%	\$273,235,035	2,729
236	Construction of Buildings	\$206,506,813	1,677	-20.794%	\$216,832,154	1,761
611	Educational Services	\$139,449,014	1,868	7.929%	\$146,421,464	1,962
517	Telecommunications	\$116,118,794	223	22.433%	\$121,924,734	234
324	Petroleum and Coal Products Manufacturing	\$91,194,525	83	10.373%	\$95,754,251	87
332	Fabricated Metal Product Manufacturing	\$76,229,397	124	49.942%	\$80,040,867	130
811	Repair and Maintenance	\$61,912,489	560	-12.864%	\$65,008,114	588
315	Apparel Manufacturing	\$55,307,045	189	-17.393%	\$58,072,397	199
335	Electrical Equipment, Appliance, and Component	\$49,186,611	40	0.671%	\$51,645,042	42

A '-' in front of the fixed percentage value will reflect a percentage decrease for all NAICS codes in the municipality.

Economic Modeling - Alabama Overall Funding: -3.00%

Naics	Naics Name	Net DoD	Jobs	Trend	Target \$	Jobs
541	Professional, Scientific, and Technical Services	\$4,456,917,980	25,228	2.483%	\$4,323,210,440	24,472
336	Transportation Equipment Manufacturing	\$3,985,377,250	9,572	-3.28%	\$3,865,815,932	9,284
488	Support Activities for Transportation	\$667,021,329	1,340	24.801%	\$647,010,689	1,300
334	Computer and Electronic Product Manufacturing	\$263,419,680	594	-100%	\$255,517,089	576
561	Administrative and Support Services	\$260,223,843	2,599	-2.069%	\$252,417,128	2,521
236	Construction of Buildings	\$206,506,813	1,677	-20.794%	\$200,311,609	1,626
611	Educational Services	\$139,449,014	1,868	7.929%	\$135,265,543	1,812
517	Telecommunications	\$116,118,794	223	22.433%	\$112,635,230	216
324	Petroleum and Coal Products Manufacturing	\$91,194,525	83	10.373%	\$88,458,689	80
332	Fabricated Metal Product Manufacturing	\$76,229,397	124	49.942%	\$73,942,515	120
811	Repair and Maintenance	\$61,912,489	560	-12.864%	\$60,055,114	543
315	Apparel Manufacturing	\$55,307,045	189	-17.393%	\$53,647,833	184
335	Electrical Equipment, Appliance, and Component	\$49,186,611	40	0.671%	\$47,711,013	39



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You may also use fractional percentage points, up to a precision level of eight places (e.g. -3.52679459) – before the reflections will stop in the projected adjustments to the NAICS values.

The screenshot shows the RAAD360 web application interface for Economic Modeling in Alabama. The main content is a table with the following columns: Naics, Naics Name, Net DoD, Jobs, Trend, Target \$, and Jobs. The table lists various NAICS codes and their corresponding data points.

Naics	Naics Name	Net DoD	Jobs	Trend	Target \$	Jobs
541	Professional, Scientific, and Technical Services	\$4,456,917,980	25,228	2.483%	\$4,299,731,638	24,339
336	Transportation Equipment Manufacturing	\$3,985,377,250	9,572	-3.28%	\$3,844,821,180	9,234
488	Support Activities for Transportation	\$667,021,329	1,340	24.801%	\$643,496,857	1,293
334	Computer and Electronic Product Manufacturing	\$263,419,680	594	-100%	\$254,129,409	573
561	Administrative and Support Services	\$260,223,843	2,599	-2.069%	\$251,046,283	2,507
236	Construction of Buildings	\$206,506,813	1,677	-20.794%	\$199,223,742	1,618
611	Educational Services	\$139,449,014	1,868	7.929%	\$134,530,933	1,802
517	Telecommunications	\$116,118,794	223	22.433%	\$112,023,523	215
324	Petroleum and Coal Products Manufacturing	\$91,194,525	83	10.373%	\$87,978,281	80
332	Fabricated Metal Product Manufacturing	\$76,229,397	124	49.942%	\$73,540,943	119
811	Repair and Maintenance	\$61,912,489	560	-12.864%	\$59,728,963	540
315	Apparel Manufacturing	\$55,307,045	189	-17.393%	\$53,356,479	183
335	Electrical Equipment, Appliance, and Component	\$49,186,611	40	0.671%	\$47,451,000	38

Vendor

The fourth button-based function in the Data Panel is the ‘Vendor’ list report. This function enables the user to view the full list of all Vendors at the State, MSA, or County levels. The list report shows address details, Vendor Type, primary NAICS code, and Net DoD funding allocated to that Vendor in the current funding period. The same sorting and data export functions are available in this report as exist in the other functional reports.



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The screenshot shows a web browser window with the URL <https://alabama.raad360.com/map>. The main content area displays a report titled "Vendors - Alabama" with an "Export to CSV" button in the top right corner. The report contains a table with the following columns: Name, Address, City, County, MSA, Type, NAICS, and Net DoD. The table lists 15 vendors, all located in Huntsville, Alabama, with various NAICS codes and Net DoD values.

Name	Address	City	County	MSA	Type	NAICS	Net DoD
DYNETICS, INC.	1002 EXPLORER BLVD	HUNTSVILLE	Madison	Huntsville	Both	541712	\$2,475,532,356
BOEING COMPANY	499 BOEING BOULEVARD	HUNTSVILLE	Madison	Huntsville	Prime	541712	\$999,388,087
AUSTAL USA, LLC	1 DUNLAP DR	MOBILE	Mobile	Mobile	Both	336611	\$846,707,503
L-3 ARMY SUSTAINMENT LLC	1117 DILLY BRANCH RD	FORT RUCKER	Dale		Prime	488190	\$588,838,868
REDSTONE DEFENSE SYSTEMS	631 DISCOVERY DR NW	HUNTSVILLE	Madison	Huntsville	Prime	336413	\$283,291,034
TORCH TECHNOLOGIES INC	4035 CHRIS DR SW STE C	HUNTSVILLE	Madison	Huntsville	Prime	541712	\$281,537,313
INTUITIVE RESEARCH AND TECHNOLOGY CORPORATION	5030 BRADFORD DR NW STE 205	HUNTSVILLE	Madison	Huntsville	Prime	541712	\$254,725,384
SCIENCE AND ENGINEERING SERVICES, LLC	248 DUNLOP BLVD	HUNTSVILLE	Madison	Huntsville	Both	336411	\$199,476,583
WYLE LABORATORIES, INC.	345 BOB HEATH DR	HUNTSVILLE	Madison	Huntsville	Prime	541712	\$173,691,666
KWAJALEIN RANGE SERVICES, LLC	4975 BRADFORD DR NW STE 600	HUNTSVILLE	Madison	Huntsville	Prime	541712	\$157,705,562
RADIANCE TECHNOLOGIES, INC.	350 WYNN DR NW	HUNTSVILLE	Madison	Huntsville	Both	541712	\$95,585,689
CSRA LLC	310 THE BRIDGE ST	HUNTSVILLE	Madison	Huntsville	Prime	541710	\$92,210,539
TELEDYNE BROWN ENGINEERING, INC.	300 SPARKMAN DR NW	HUNTSVILLE	Madison	Huntsville	Prime	336611	\$88,395,819
NORTHROP GRUMMAN SYSTEMS CORPORATION	213 WYNN DR	HUNTSVILLE	Madison	Huntsville	Prime	336419	\$87,989,257

Data Export

From any of the Leakage, Modeling, or Vendor reporting functions, you may generate an export of the displayed data into Comma-Separated Value (CSV) format for use in other external applications.

By clicking on the 'Export to CSV' link at the top of the report window, you will see that the system is downloading the data to your local machine.



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Name	Address	City	County	MSA	Type	NAICS	Net DoD
DYNETICS, INC.	1002 EXPLORER BLVD	HUNTSVILLE	Madison	Huntsville	Both	541712	\$2,475,532,356
BOEING COMPANY	499 BOEING BOULEVARD	HUNTSVILLE	Madison	Huntsville	Prime	541712	\$999,388,087
AUSTAL USA, LLC	1 DUNLAP DR	MOBILE	Mobile	Mobile	Both	336611	\$846,707,503
L-3 ARMY SUSTAINMENT LLC	1117 DILLY BRANCH RD	FORT RUCKER	Dale		Prime	488190	\$588,838,868
REDSTONE DEFENSE SYSTEMS	631 DISCOVERY DR NW	HUNTSVILLE	Madison	Huntsville	Prime	336413	\$283,291,034
TORCH TECHNOLOGIES INC	4035 CHRIS DR SW STE C	HUNTSVILLE	Madison	Huntsville	Prime	541712	\$281,537,313
INTUITIVE RESEARCH AND TECHNOLOGY CORPORATION	5030 BRADFORD DR NW STE 205	HUNTSVILLE	Madison	Huntsville	Prime	541712	\$254,725,384
SCIENCE AND ENGINEERING SERVICES, LLC	248 DUNLOP BLVD	HUNTSVILLE	Madison	Huntsville	Both	336411	\$199,476,583
WYLE LABORATORIES, INC.	345 BOB HEATH DR	HUNTSVILLE	Madison	Huntsville	Prime	541712	\$173,691,666
KWAJALEIN RANGE SERVICES, LLC	4975 BRADFORD DR NW STE 600	HUNTSVILLE	Madison	Huntsville	Prime	541712	\$157,705,562
RADIANCE TECHNOLOGIES, INC.	350 WYNN DR NW	HUNTSVILLE	Madison	Huntsville	Both	541712	\$95,585,689
CSRA LLC	310 THE BRIDGE ST	HUNTSVILLE	Madison	Huntsville	Prime	541710	\$92,210,539
TELEDYNE BROWN ENGINEERING, INC.	300 SPARKMAN DR NW	HUNTSVILLE	Madison	Huntsville	Prime	336611	\$88,395,819
NORTHROP GRUMMAN SYSTEMS CORPORATION	213 WYNN DR	HUNTSVILLE	Madison	Huntsville	Prime	336419	\$87,989,257

You may then open the file for review, or to save to the local machine.

The data is then opened into an Excel spreadsheet, with the document title defaulting to the header of the on-screen report window (e.g. 'Vendors – Alabama').



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VendorTableAlabama.csv - Excel

DUNS	Name	Address	City	State	Zip	County	MSA	Type	NAICS	NAICS Name
1256270	COFFEEVILLE, TOWN OF	100 E RIVER ST	COFFEEVILLE	AL	36524	Clarke	null	Prime	null	null
1444590	FILTERSNOW.COM, INC.	9800 I65 SVC ROAD N	CREOLA	AL	36525	Mobile	Mobile	Prime	333413	Industrial and Commercial
1835409	SHRED-IT USA INC.	5751 DUROSE DR	BESSEMER	AL	35022	Jefferson	Birmingham-Hoover	Prime	null	null
2173867	KONECRANES INC	8722 RAND AVE	DAPHNE	AL	36526	Baldwin	null	Prime	null	null
2545671	MOBILE SHIP CHANDLERY, INC.	606 WESTERN DR	MOBILE	AL	36607	Mobile	Mobile	Prime	336999	All Other Transportation Eq
2744089	WATRING TECHNOLOGIES, INC.	2120 MERIDIAN ST N	HUNTSVILLE	AL	35811	Madison	Huntsville	Sub	null	null
2853117	TALLADEGA MACHINERY & SUPPLY COMPANY, INC.	301 JOHNSON AVE N	TALLADEGA	AL	35160	Talladega	null	Prime	null	null
3320611	DAVIS MACHINE WORKS OF OPELIKA, INC.	1318 LEE RD 42	OPELIKA	AL	36804	Lee	Auburn-Opelika	Prime	null	null
3394079	BELL COMPANY INC	106 MORROW AVE	TRUSSVILLE	AL	35173	Jefferson	Birmingham-Hoover	Prime	null	null
3396025	LEGACY VULCAN, LLC	1200 URBAN CENTER DR	BIRMINGHAM	AL	35242	Shelby	Birmingham-Hoover	Prime	null	null
3396256	EBSCO INDUSTRIES, INC.	5724 HWY 280 E	BIRMINGHAM	AL	35242	Shelby	Birmingham-Hoover	Prime	519130	Internet Publishing and Bro
3396959	O'NEAL STEEL, INC.	744 41ST ST N	BIRMINGHAM	AL	35222	Jefferson	Birmingham-Hoover	Prime	null	null
3493285	B. W. CAPPS & SON, INC.	5194 US HWY 80 W	OPELIKA	AL	36804	Lee	Auburn-Opelika	Prime	null	null
3861788	FRONTIER COMMUNICATIONS OF THE SOUTH LLC	201 S PENSACOLA AVE	ATMORE	AL	36502	Escambia	null	Prime	null	null
3876856	DIAMOND DISPLAYS, INC.	3401 MARY TAYLOR RD	BIRMINGHAM	AL	35235	Jefferson	Birmingham-Hoover	Prime	null	null
3878600	PIONEER ELECTRIC COOPERATIVE, INC.	300 HERBERT ST	GREENVILLE	AL	36037	Butler	null	Prime	221122	Electric Power Distribution
4000576	WHITFIELD FOODS, INC.	1101 N. COURT STREET	MONTGOMERY	AL	36104	Montgomery	Montgomery	Prime	null	null
4000907	WESTERVELT COMPANY, THE	1400 JACK WARNER PKWY NE	TUSCALOOSA	AL	35404	Tuscaloosa	Tuscaloosa	Prime	541620	Environmental Consulting S
4001731	ALTEC INDUSTRIES, INC.	210 INVERNESS CENTER DRIVE	BIRMINGHAM	AL	35242	Shelby	Birmingham-Hoover	Prime	333120	Construction Machinery M
4003489	ALABAMA METAL INDUSTRIES CORPORATION	3245 FAYETTE AVE	BIRMINGHAM	AL	35208	Jefferson	Birmingham-Hoover	Prime	null	null

The same occurs from both the Leakage and Model button functions.

Leakage - Alabama

Naics	Naics Name	Customer	Company	State	Leakage	Jobs Lost
336	Transportation Equipment Manufacturing	W6DQ 01 PEO AVN	MARTIN-BAKER AMERICA, INC.	PA	\$137,521,215	550
541	Professional, Scientific, and Technical Services	MISSILE DEFENSE AGENCY (MDA)	CB TECHNOLOGIES, INC.	CA	\$30,789,379	153
336	Transportation Equipment Manufacturing	W6DQ 01 PEO AVN	TURBOMECA USA, INC.	TX	\$19,800,148	19
336	Transportation Equipment Manufacturing	W6DQ PEO AVN PM NS (06)	AAL GROUP LTD	00	\$15,582,273	15
336	Transportation Equipment Manufacturing	W6DQ 01 PEO AVN	SIMMONDS PRECISION PRODUCTS INC	VT	\$12,597,667	12
336	Transportation Equipment Manufacturing	ASC YW	FLIGHTSAFETY SERVICES CORPORATION	CA	\$10,978,806	43
336	Transportation Equipment Manufacturing	W6DQ PEO AVN PM NS (06)	BEECHCRAFT DEFENSE COMPANY, LLC	KS	\$9,442,244	9
336	Transportation Equipment Manufacturing	W6DQ 01 PEO AVN	LOGISTIC SERVICES INTERNATIONAL, INC.	FL	\$8,224,392	8
541	Professional, Scientific, and Technical Services	DEFENSE TECHNICAL INFO CENTER	SPALDING CONSULTING, INC.	MD	\$7,801,434	39
336	Transportation Equipment	WOH9 US ARMY AVN	L-3 COMMUNICATIONS	UT	\$7,277,865	7



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The screenshot shows the RAAD360 Economic Modeling - Alabama interface. The main content is a table with the following columns: Naics, Naics Name, Net DoD, Jobs, Trend, Target \$, and Jobs. The table lists various NAICS codes and their corresponding data.

Naics	Naics Name	Net DoD	Jobs	Trend	Target \$	Jobs
541	Professional, Scientific, and Technical Services	\$4,456,917,980	25,228	2.483%		0
336	Transportation Equipment Manufacturing	\$3,985,377,250	9,572	-3.28%		0
488	Support Activities for Transportation	\$667,021,329	1,340	24.801%		0
334	Computer and Electronic Product Manufacturing	\$263,419,680	594	-100%		0
561	Administrative and Support Services	\$260,223,843	2,599	-2.069%		0
236	Construction of Buildings	\$206,506,813	1,677	-20.794%		0
611	Educational Services	\$139,449,014	1,868	7.929%		0
517	Telecommunications	\$116,118,794	223	22.433%		0
324	Petroleum and Coal Products Manufacturing	\$91,194,525	83	10.373%		0
332	Fabricated Metal Product Manufacturing	\$76,229,397	124	-49.942%		0
811	Repair and Maintenance	\$61,912,489	560	-12.864%		0

Logging Out

Logging out is as simple as closing your browser.

Upon re-accessing the MSF RAAD™ link, you will be required to login again with your registered user e-mail address and password.