

# **Annual Integrated Economic Survey (AIES) Overview**

**September 2023**

# **What we will cover today:**

- **AIES Background & Drivers**
- **Overarching Goals & Timeline**
- **Teams & Stakeholders**
- **Internal & External Communication**
- **Sampling Requirements**
- **Content Harmonization**
- **Research & Testing Activities**

# Background & Drivers

- National Academy of Sciences (NAS) panel studied our annual economic surveys and provided Econ leadership with recommendations.
- Small Econ group, with representations from the various divisions, reviewed the recommendations and selected which ones to implement.
- Main drivers of this effort include:



Meet data needs –  
timely, granular,  
standardized



Improve efficiency – consistency  
across programs (content,  
processes, systems)



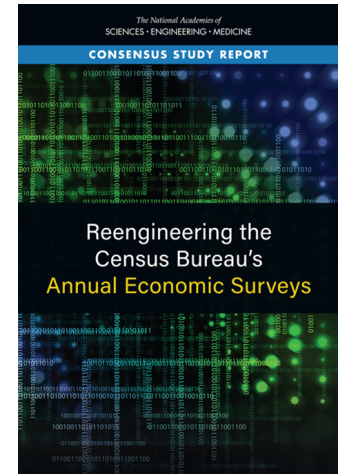
Stay relevant



Declining budgets



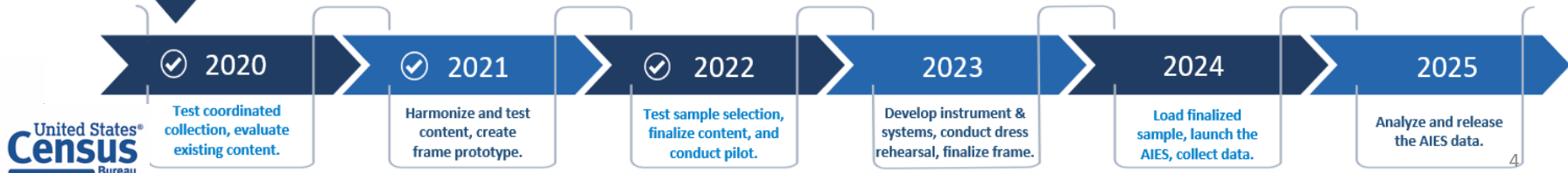
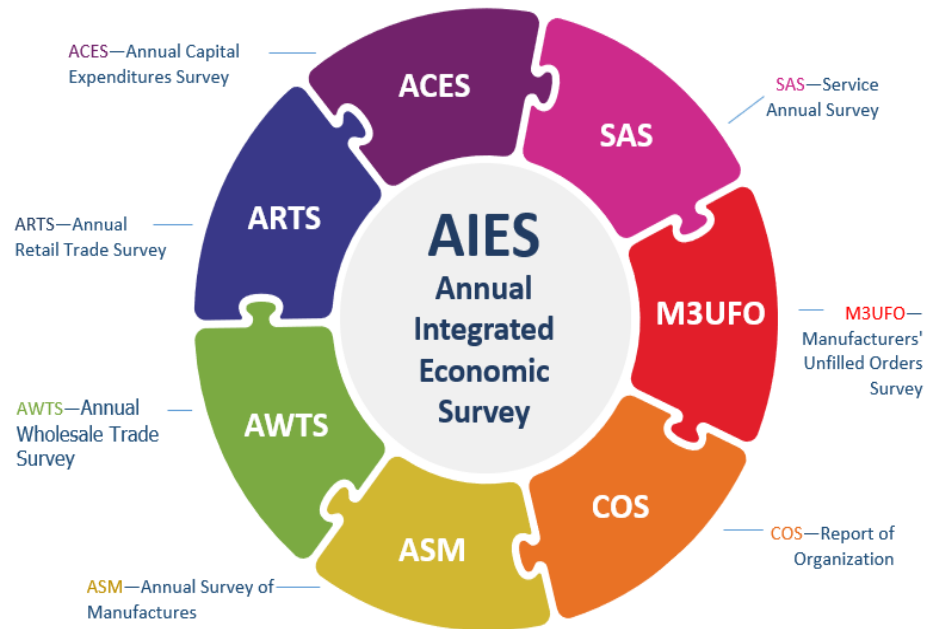
Declining response rates



# What is the Annual Integrated Economic Survey?



Integration of Seven Annual Economic Surveys



# Transitioning of Annual Programs

- **Survey Year 2021**
  - Annual Survey of Manufacturers (ASM)
  - Report of Organization
- **Survey Year 2022**
  - Annual Retail Trade Survey (ARTS)
  - Annual Wholesale Trade Survey (AWTS)
  - Service Annual Survey (SAS)
  - Annual Capital Expenditures Survey (ACES)
  - Manufacturers' Unfilled Orders Survey (M3UFO)

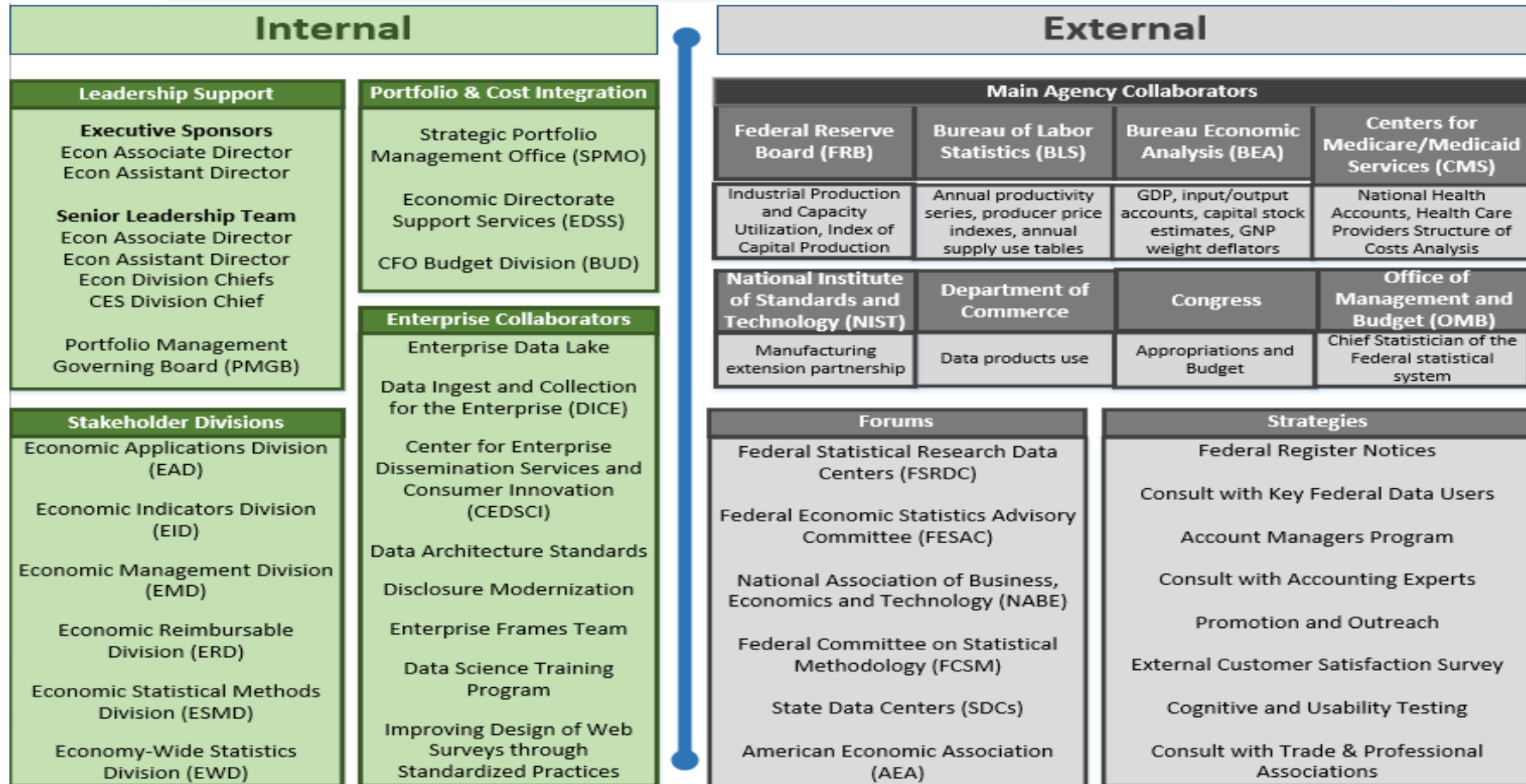
# AIES Components & Teams



Project Direction & Alignment <i>Stephanie Studds</i>	Operations <i>Vacant (Lisa Donaldson, acting)</i>	Content and Analysis <i>Lisa Donaldson</i>	Frame and Methods <i>Kim Moore</i>
<b>Survey Planning &amp; Integration</b> <i>Coordinate and align all aspects of SLC for the new annual program to move to production</i>	<b>Collection Framework</b> <i>Coordinate collection efforts, develop a collection strategy, and work with enterprise team (DICE) to plan collection operations for integrated annual.</i>	<b>Annual Content Determination and Harmonization</b> <i>Determine core questions, rotating industry and topical questions, aligning to the Economic Census, where possible.</i>	<b>Sampling Research</b> <i>Research/implement sampling improvements (sampling unit, stratification, and coordinated sampling)</i>
<b>Respondent Research</b> <i>Conduct research with respondents (e.g. cognitive testing, usability testing) to inform content harmonization, collection, and instrument design</i>	<b>Pilot &amp; Dress Rehearsal</b> <i>Plan and Implement survey pilots and a dress rehearsal to inform the content and instrument and to make adjustments prior to production based on lessons learned.</i>	<b>Annual Program Requirements</b> <i>Determine program requirements for the new annual survey to meet user needs/data gaps</i>	<b>Frame Extraction Research</b> <i>Research frame extraction, create frame roadmap, and develop a frame prototype</i>
<b>Indicator Alignment</b> <i>Ensure alignment w/ indicators to accommodate future expansion of implemented improvements</i>	<b>Processing System</b> <i>Gather requirements, develop infrastructure, and implement a new processing system to support the integrated annual</i>	<b>Data Products and Release Planning &amp; Coordination</b> <i>Determine data products, develop processes for effective analytical review/analysis, and establish plans for optimal data release.</i>	<b>Post Data Collection Methodology</b> <i>Develop requirements, test, evaluate, and implement selected approaches for weight adjustment/calibration, variance estimation &amp; replication, non-response adjustment, and hot deck imputation.</i>
<b>Instrument Design</b> <i>Develop a standard, cohesive, integrated collection instrument</i>	<b>Macro, Disclosure, &amp; Dissemination</b> <i>Determine requirements and processes to prepare for tabulation, disclosure, and dissemination and release data</i>	<b>Analyst Toolkit</b> <i>Create an AIES analysis plan and develop tools for micro/macro analysis</i>	<b>Time Series</b> <i>Determine changes to time series for all impacted surveys and how best to handle those changes across the various programs..</i>
<b>Account Management Activities</b> <i>Determine roles &amp; responsibilities of account managers, who serve as single points of contact for largest companies.</i>	<b>Status Changes</b> <i>Determine the processing needs to make sense from both a respondent and analyst perspective to be as clean and methodologically sound.</i>	<b>AIES Web Presence</b> <i>Create an external webpage for early awareness and communication of upcoming changes with AIES as well as a future page for data release.</i>	<b>Production Frame Development</b> <i>Develop and test production frame parameters and programs, and deliver final</i>
<b>Communications &amp; Outreach</b> <i>Increase internal and external awareness, develop training, provide notifications</i>	<b>Rule Engine</b> <i>Determining and documenting rules for flagging problem data and simple data updates.</i>	<b>2022 Econ Census Content Determination</b> <i>Provide Econ Census content aligned with Annual content and without duplication.</i>	<b>Production Sampling</b> <i>Develop, test, and implement production sample process.</i>
<b>Alternative Data Sources</b> <i>Evaluate and leverage alternative data for suitability to improve processes &amp; methods (SEC Data, NPD)</i>	<b>Data Management</b> <i>Develop governance of standard names and metadata to ensure data coherence</i>	<div> <div>• NOT STARTED</div> <div> <b>TEAM STATUS KEY</b>  <div>• IN PROGRESS</div> <div>• COMPLETED</div> </div> </div>	

*Patterned boxes: Team operates in conjunction with a team whose work includes AIES-critical deliverables and outputs but whose scope is larger than AIES-specific outcomes*

# AIES Stakeholders



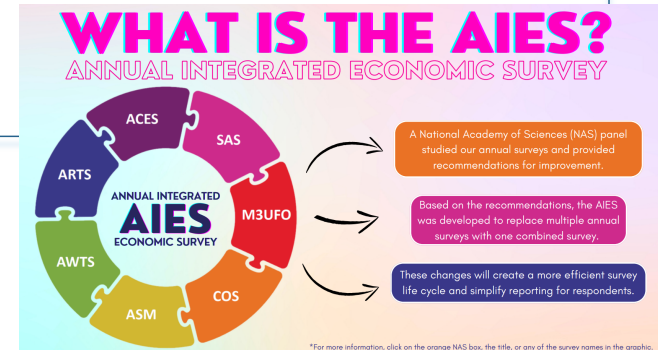


# AIES Internal Communication

- Communication SharePoint subsite includes:

- ☐ Infographics
- ☐ Frequently Asked Questions (FAQs)
- ☐ Link to submit questions

- Teams Channel created to communicate info and ask questions
- More frequent updates via email and meetings to keep Econ up-to-date.



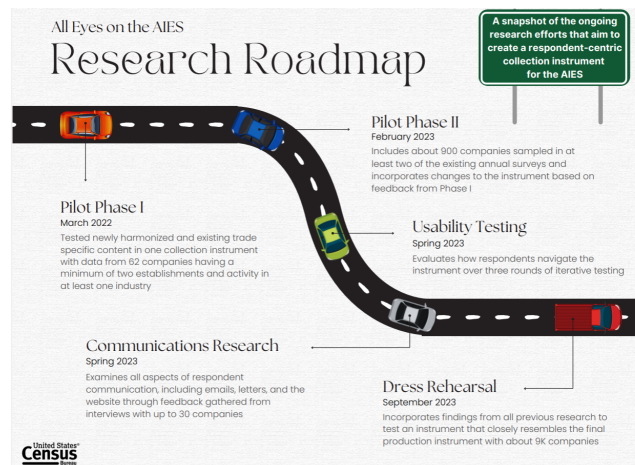
## AIES Content Summary

The Annual Integrated Economic Survey (AIES) seeks to harmonize content across the current annual surveys. Companies will receive one combined survey that asks questions about all operations or activities within a company at the overall company level, industry or kind of activity unit (KAU) level, and establishment level\*. The table below shows a summary of what content will be asked at each level for each trade.

Visit the [AIES website](#) for a [detailed summary](#) of the planned content or the [AIES Communication SharePoint](#) for industry-level details.

	COMPANY	INDUSTRY OR KIND OF ACTIVITY UNIT	ESTABLISHMENT*
RESEARCH & DEVELOPMENT	ALL TRADES	N/A	N/A
PROFESSIONAL EMPLOYER ORG & BUSINESS COOP STATUS	ALL TRADES	N/A	N/A
EMPLOYMENT & PAYROLL	ALL TRADES	N/A	ALL TRADES
DETAILED EMPLOYMENT & PAYROLL	N/A	N/A	(M)
TOTAL SALES, SHIPMENTS, RECEIPTS OR REVENUE**	ALL TRADES	N/A	ALL TRADES
DETAILED REVENUE	N/A	N/A	(M)
TOTAL EXPENSES	N/A	(R W S)	N/A
DETAILED EXPENSES	N/A	(S)	(M)
CAPITAL EXPENDITURES	ALL TRADES	ALL TRADES	(M)
RESALES	N/A	(R W)	(M)
INVENTORIES	N/A	(R W S)	(M)
E-COMMERCE	N/A	(R W S)	(M)
OTHER ITEMS	N/A	(R W S M)	N/A


\*Four core items (Total Revenue, Annual Payroll, First Quarter Payroll, and Employment) will be required for all trades at the establishment level. Most other establishment-level content will be required for manufacturing and optional for other trades.





# AIES External Communication

External website is live! [www.census.gov/aies](http://www.census.gov/aies)



The screenshot shows the homepage of the Annual Integrated Economic Survey (AIES) website. A blue arrow points from the text 'External website is live!' to the website URL. A green diagonal banner on the left side of the page reads 'NEW WEBSITE!'. A green dashed arrow points from the text 'Content Summary' to a box labeled 'Summary of Content Planned for Collection (DRAFT)' under the 'Related Information' section. The website content includes a navigation menu on the left, a main heading 'Annual Integrated Economic Survey (AIES)', a detailed description of the survey, a list of integrated surveys, and a list of related information.

Census.gov / Our Surveys & Programs / Annual Integrated Economic Survey (AIES)

**Within Our Surveys & Programs**  
About  
FAQs  
Information for Respondents  
Library  
News & Updates  
Technical Documentation

## Annual Integrated Economic Survey (AIES)

The Annual Integrated Economic Survey (AIES) is a re-engineered survey designed to integrate and replace seven existing annual business surveys into a streamlined single survey instrument. It is designed to be easier for businesses to complete, result in better and more timely data, and allow the Census Bureau to operate more efficiently to reduce costs. The AIES will provide key yearly measures of economic activity including the only comprehensive national and subnational data on business revenues, expenses, and assets on an annual basis. The AIES will be conducted annually.

The existing surveys integrated into the AIES include:

- Annual Retail Trade Survey (ARTS)
- Annual Wholesale Trade Survey (AWTS)
- Service Annual Survey (SAS)
- Annual Survey of Manufactures (ASM)
- Annual Capital Expenditures Survey (ACES)
- Manufacturers' Unfilled Orders Survey (M3UFO)
- Report of Organization (COS)

It is a company-based survey that:

- Covers domestic, nonfarm employer businesses with operations during the survey year.
- Samples approximately 385,000 small, medium, and large companies.
- Includes most industries across the economy; and
- Spans most geographic areas of the United States, including all 50 states and the District of Columbia.

**Related Information**

- Annual Integrated Economic Survey Related Sites
- Federal Register Notices
- Summary of Content Planned for Collection (DRAFT)

- ❖ [Content Summary](#)
- ❖ [Instruction Manual](#)
- ❖ [Preview Survey Questions](#)
- ❖ Transition language developed for legacy annual surveys
- ❖ External Communication Plan

# Sampling Design Requirements

## National

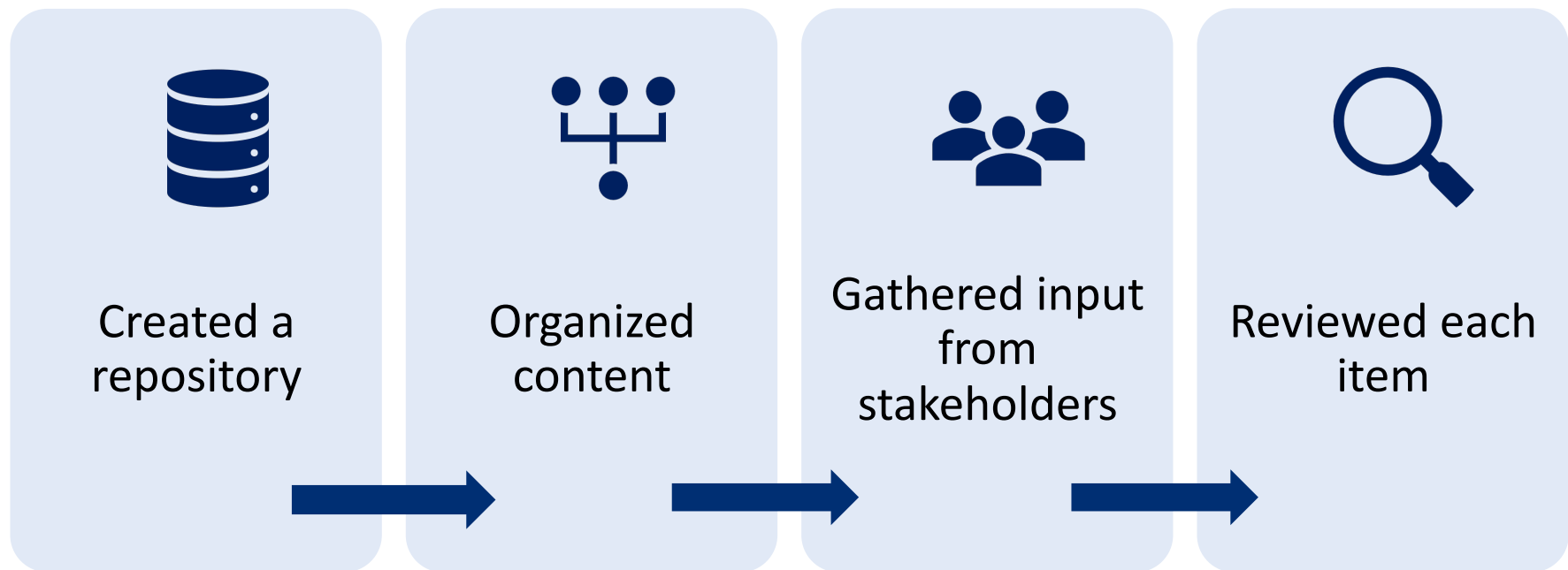
- Revenue/Receipts, Annual Payroll, Inventories, Capital Expenditures...
- Disaggregated industry (NAICS) levels
  - Differs by sector
  - 4-digit NAICS, 5-digit NAICS, 6-digit NAICS

## Subnational

- Revenue/Receipts, Annual Payroll, 1<sup>st</sup> Quarter Payroll, Employment
- Region, Division, State
- Aggregated NAICS levels (2 and 3-digit)
- Aggregated NAICS level (2 through 4-digit manufacturing only)

- Recommended sample size for the 2023 AIES – 385,000 companies
- Plan to refresh the sample every 2-3 years

# Content Harmonization



# Content Harmonization - Revenue



Retail

- What were the total sales of merchandise and other operating receipts for this firm in 2021?



Wholesale

- What were this firm's TOTAL sales and operating revenue in 2021?\*
- What were this firm's sales and other operating receipts in 2021?



Services

- What were the revenues for this firm in 2021?



Manufacturing

- What was the total value of products shipped and other receipts for this establishment?
- What were the sales, shipments, receipts, or revenue?\*\*\*

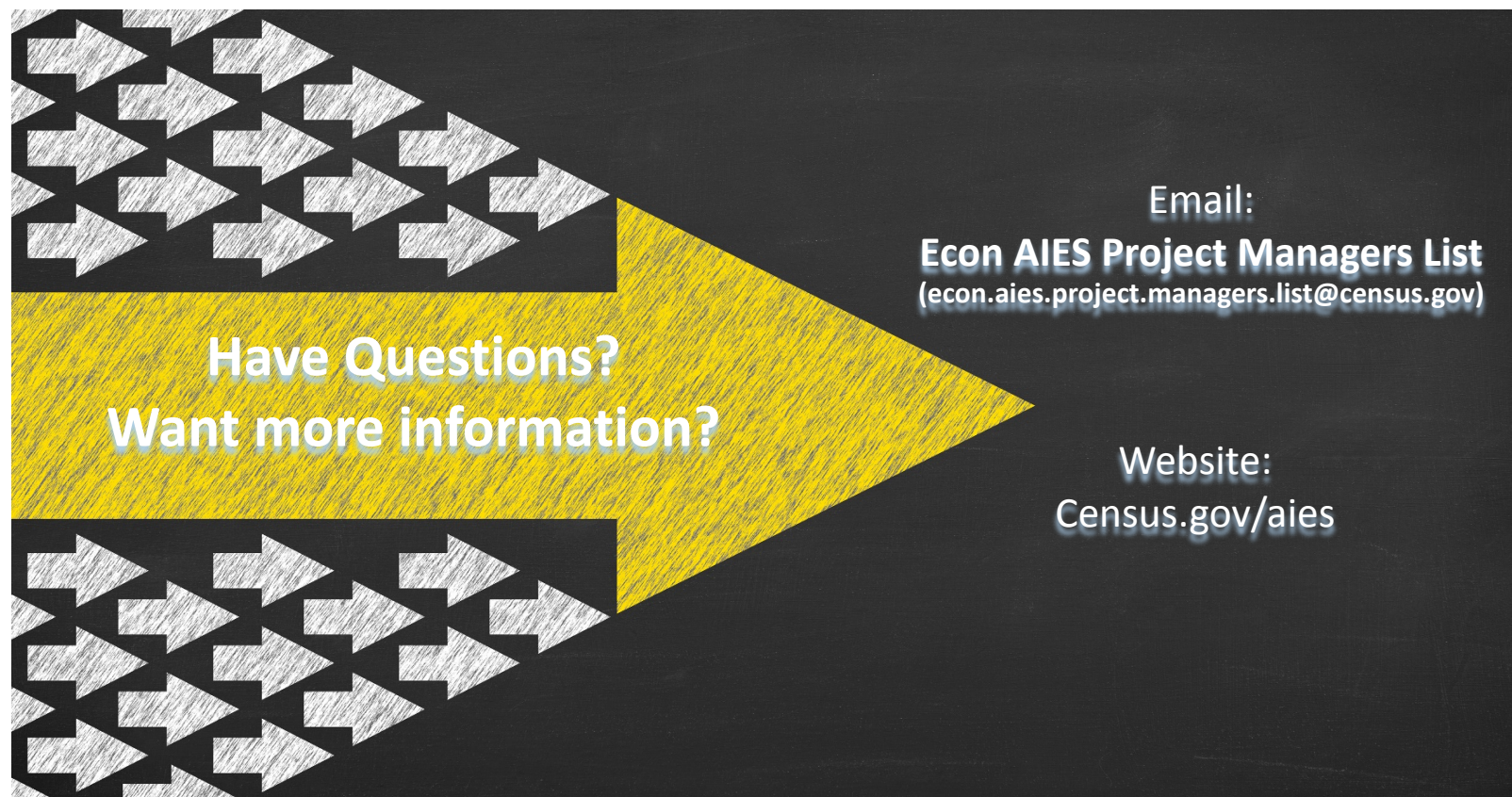


AIES

- What were the total sales, shipments, receipts, or revenue in 2021?

# Research & Testing

	Phase I Pilot	Phase II Pilot	2022 AIES
<b>Timeline:</b>	<b>Start:</b> March 2022 <b>Findings:</b> Sept 2022	<b>Start:</b> February 2023 <b>Findings:</b> June 2023	<b>Start:</b> September 2023 <b>Findings:</b> December 2023
<b>Sample Size:</b>	78 recruited companies (62 provided data)	Mailed to 868 companies (As of 8/18/23, 510 have provided data)	Planned mail to approx. 8,300 companies
<b>Instrument:</b>	Qualtrics	Excel spreadsheet	Centurion-rendered instrument
<b>Goals:</b>	See if companies would/could actually report to the questions we were asking	<ul style="list-style-type: none"> <li>• Test all collection units in one survey</li> <li>• More accurate measures of burden</li> </ul>	<ul style="list-style-type: none"> <li>• Instrument performance</li> <li>• More information on burden</li> <li>• Maximize enterprise partnerships</li> </ul>



**Have Questions?  
Want more information?**

Email:  
**Econ AIES Project Managers List**  
([econ.aies.project.managers.list@census.gov](mailto:econ.aies.project.managers.list@census.gov))

Website:  
[Census.gov/aies](https://census.gov/aies)