

> Prepared by the U.S. DEPARTMENT OF COMMERCE ECONOMICS AND STATISTICS ADMINISTRATION

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#### **Rebecca M. Blank** Under Secretary for Economic Affairs U. S. Department of Commerce

U.S. Department of Commerce • Economics and Statistics Administration

# **EXECUTIVE SUMMARY**

The Administration is committed to fostering the development of a clean and energy-efficient economy; that is, a "green" economy. This means encouraging the development of green businesses and green products and services, which in turn will create "green jobs."

Our results suggest that green products and services comprised 1% to 2% of the total private business economy in 2007. The lower estimate was developed using a narrow definition that included products that we found generated little debate regarding their "greenness." The larger estimate was based on a broad definition that included products that some might argue were not green. Under the broad definition, the share of green products and services was substantially larger, but still constituted only a relatively small part of the economy.

The number of green jobs was also found to be modest, ranging from about 1.8 million jobs under the narrow definition to 2.4 million jobs under the broad definition. These jobs constituted between 1.5% and 2.0% of total private sector employment in 2007. Green products accounted for about the same share of employment in the manufacturing sector as in the services sector.

ESA analysts used publicly available data to estimate the national production of green products and services. As our nation promotes greater environmental stewardship, it is important to establish national benchmarks by which to measure progress toward a greener economy and nation. While this report does not establish an official benchmark, it outlines a process that might be used to establish such a benchmark.

In this report, a product or service was considered "green" based on whether it conserves energy and other natural resources or reduces pollution. ESA analysts applied this definition to over 22,000 product codes from the 2007 Economic Census to estimate the share of green products and services in the U. S. economy. These data cover most of the private sector economy. We utilized information from other sources when Economic Census data were not available. We compared estimates from the 2007 Economic Census to estimate for manufacturing products.

The analysis in this report provides a starting point for measuring future progress as the green economy grows in the United States.

# **PRINCIPAL FINDINGS**

- Our results suggest that green products and services comprised 1% to 2% of the total private business economy in 2007. The lower estimate is based on a narrow definition of products and services over which there would likely be little debate about their classification as green. The larger estimate is based on a broader definition that includes products and services whose classification as green is more open to debate.
- The employment generated by the production of green products and services is assumed to result in green jobs. Like green products and services, green jobs were also a relatively small part of the economy. According to our estimates, the number of green jobs ranged from 1.8 million jobs under the narrow definition to 2.4 million jobs under the broad definition.
- The services sector accounted for roughly three-fourths of green business activity; manufacturing accounted for about 13%. Construction and agriculture made up the remaining share.
- Energy conservation, resource conservation and pollution control accounted for the predominant share of green business activities, making up about 80% to 90% of green shipments/receipts and employment. Renewable/alternative energy and environmental assessments accounted for a smaller share of green products and services shipments/receipts and employment.
- Between 2002 and 2007, the share of green shipments and green jobs in manufacturing remained fairly constant, ranging between 0.9% and 1.3%. Green manufacturing jobs fell over this period as did jobs in all manufacturing.
- The green economy is in a position to grow quickly, but the relatively small size of the green economy suggests that a majority of the jobs that will be created during this recovery are likely to come from the production of products and services outside of the green economy.
- This report provides a significant initial step toward measuring the size and composition of the green economy; however, much more work needs to be done to develop better measures of the green economy.

# I. INTRODUCTION

The Obama Administration has a strong commitment to fostering the development of a green economy; that is, a clean and energy-efficient economy. This means encouraging the development of green products and services that contribute to economic growth and improve this nation's environmental stewardship. The jobs that are created and supported in businesses that produce green products and services are green jobs. This Administration is working to expand the green economy through a number of initiatives, including significant investments under the American Recovery and Reinvestment Act of 2009.

A major priority for the Department of Commerce is to support and encourage business initiatives that improve the environment and increase energy efficiency throughout the nation. Many businesses and industries are taking significant steps to provide greener products and services to the American consumer. Going forward, it is essential to develop a systematic method of measuring progress in this area, using the most comprehensive, up-to-date publicly available data.

The Economics and Statistics Administration (ESA) of the U.S. Department of Commerce produced this report using publicly available data to estimate the production and employment associated with products and services identified as green. Most of the data came from the 2007 Economic Census produced by the Census Bureau. This report describes how these green products and services were identified and discusses a variety of different measures of the coverage and size of the green economy.

# **II. IDENTIFYING GREEN PRODUCTS AND SERVICES**

This section provides a brief description of how we estimated the size of the green economy from available data. A more detailed description of our methodology is available in Appendix 2A. (Available online at *http://www.esa.doc.gov/GreenEconomyReport/Appendix2/*.)

# **Definition of Green Products and Services**

Our criteria for identifying and assessing green products and services were based on the President's energy conservation and environmental goals. For the purposes of this project, we defined green products or services as those whose predominant function serves one or both of the following goals:

• Conserve Energy and Other Natural Resources: This includes products or services that conserve energy to reduce fossil fuel use and promote water, raw material, land, and species and ecosystem conservation; or

• **Reduce Pollution:** This includes products or services that provide clean energy or prevent, treat, reduce, control or measure environmental damage to air, water and soil. The remediation, abatement, removal, transportation, or storage of waste and contaminants also are considered to reduce pollution.

### The Data Used To Identify Green Products and Services

The estimates of the green economy in this report were based almost entirely on the 2007 Economic Census — the broadest and most detailed measure of private sector economic activity in the United States. The Economic Census is taken every five years. The most recent Economic Census measured business activity based on responses from more than 4.7 million companies in late 2007 and early 2008. Businesses are primarily classified as manufacturing or services industries using six-digit North American Industry Classification System (NAICS) codes. The industry data are further disaggregated into individual product/service codes.

Only industries in the private business sector are covered by this study. The Economic Census does not cover several sectors of the economy. The largest excluded sector is government, including Federal, state, and local government activities, which accounted for about 12.6% of GDP in 2007. This means that government-owned establishments are excluded, including public utilities, the postal service, publicly-operated buses and subway systems, and construction performed by government employees. Other excluded sectors are agriculture, rail transportation, educational institutions, political organizations, and private households.

The data available from the Economic Census have limitations for assessing green products and services. First, product codes were not designed to identify the environmental impact of products or services. Second, only products and services that have their own product code can be separately assessed. As a result, there are some products and services that may be generally recognized as green that could not be separately assessed within the current 2007 Economic Census coding framework. This includes products such as alternative fuel vehicles and energy efficient appliances.

We attempted to account for certain green products and services not covered in the Economic Census by using other data sources to estimate the sales and employment associated with these products and services. Data were obtained from a variety of public and private sources to estimate the green proportion of each product or service relative to its overall market (usually based on shipments/receipts). When possible, supplemental data were used to estimate green shipments/receipts and employment as a share of related Economic Census product or service categories. We have included supplemental estimates for alternative fuel vehicles and hybrids, green building construction, energy efficient appliances, photovoltaic cells and organic agricultural products. Although this exercise helped create a more complete measure of green business, there remain several notable green products and services not included in our analysis. Further details about the supplemental estimates for these products and services can be found in Appendix 2B. (Available online at *http://www.esa.doc.gov/GreenEconomyReport/Appendix2/.*)

### **Categorizing Green Products and Services**

Estimating the share of green economic activity requires assessing all products and services that could be considered green. ESA analysts examined the more than 22,000 product and service codes in the 2007 Economic Census to make this assessment.

To take into account some of the disagreements regarding the "greenness" of various products or services, we categorized products and services using both a narrow definition and a broad definition of green. The narrow definition includes only those products and services for which ESA analysts assumed there was wide agreement regarding their classification as green. The broad measure includes products and services whose green status may be more open to debate. Using our more conservative, narrow definition, we identified 497 product and service codes as green. Using our broad definition, we identified 732 product and service codes as green. Table 1 provides examples of the products and services in the narrow and broad green categories. A complete list of green products and services selected for this study is in Appendix 1.

As a general rule, ESA analysts considered a product to be green based on its usage, not the production process by which it was produced or the environmental consequences associated with its disposal. While we acknowledge that the natural resource and environmental consequences related to a product's life cycle are important in defining green business activity, the use of the Census product and service codes does not permit the examination of these aspects. Also, the product codes, and therefore the data, do not distinguish among similar products produced using different techniques, some of which might help to conserve energy or natural resources, or be less polluting. An exception was made, however, for product codes that clearly could only be produced using greener inputs or manufacturing processes. Examples include products that were labeled as "recycled," "rebuilt," "reused," "remanufactured," or "reconditioned." These conserve energy and natural resources by replacing products products from new materials and resources, and therefore, meet the criteria described above.

Due to the structure of the current product and service codes, some of our green product and service categories contain a share of non-green products and services. Similarly, some excluded categories contain a share of green products and services. For example, product codes related to plastic materials do not include separate codes for "bioplastics," which are produced from renewable feedstock and may be biodegradable.

For some products and services, it was difficult to discern the importance of certain green characteristics relative to the overall product or service. For example, the "tire servicing" category includes activities that inflate and balance tires, which improve mileage and reduce energy use. However, since this is not the predominant purpose of tire servicing, ESA analysts did not classify tire servicing as green. Another example is bicycle production. While only a small portion of bicycles are used for commuting purposes, they were included as a green product because ESA analysts determined that on balance the use of bicycles is beneficial for reducing energy use. However, because the inclusion of bicycles as a green product could be debated, they were included in only the broad (not narrow) category of green products and services.

# Table 1Examples of Green Product and Services Included in the Analysis,<br/>by Narrow and Broad Categories

Green Product or Service Activity	Narrow Category	Broad Category
<b>Pollution Control:</b> This includes products or services that prevent, treat, remediate, or control environmental damage to air, water and soil. The remediation, abatement, removal, transportation, or storage of waste and other contaminants can also be found in this category.		
- nonhazardous and hazardous waste collection, disposal, remediation and engineering services*	Х	Х
– waste transportation		Х
- water treatment and engineering services	Х	Х
– muffler/exhaust repair	Х	Х
– organic foods	Х	Х
– phosphate-free laundry detergent	Х	Х
- air and water filters and purification equipment	Х	х
- nuclear radiation detection and monitoring equipment	Х	Х
<b>Renewable/Alternative Energy:</b> This includes products and services that provide clean energy and reduce fossil fuel use. – utililities, including engineering services		
hydroelectric, solar, wind, geothermal, and cogeneration electricity generation	x	х
	А	X
nuclear energy electricity generation – biofuels		X
- waste energy generation services	x	X
- photovoltaics and solar heat collectors	X	X
	A	А
Energy Conservation: This includes products and services that conserve energy to reduce fossil fuel use.		
- mass transit services and equipment, including engineering services*	Х	Х
- alternative fuel vehicles and hybrids	X	X
– green building construction	Х	Х
– energy efficient appliances	X	Х
– insulation materials*	X	Х
– automatic environmental controls	X	Х
- bicycles		Х
– ground and groundwater source heat pumps	X	Х
<b>Resource Conservation:</b> This includes products and services that promote water, raw material, land, and species and ecosystem conservation.		
- recycled, used, rebuilt or metal scrap products*	Х	Х
- particleboard and medium density fiberboard		Х
– nature parks	Х	Х
– botanical gardens and zoos		х
<b>Environmental Assessment:</b> This includes services that involve environmental assessments, consulting, testing, monitoring, detection, inspection, planning, law, policy, education, research, and study.		
- environmental engineering, consulting and law services	Х	х
- environmental testing laboratories	Х	Х
- environmental, conservation and wildlife organizations	Х	х
- regulatory safety inspections/emission testing for road vehicles	Х	Х

\* Some of the products and services that fall under this category fit the narrow definition while others were included only in the broad category. See Appendix 1 for detailed lists of selected products and services. When the "greenness" of a product in the analysis was considered controversial (e.g., biofuels and nuclear energy generation), those products and services were included only under the broad definition of green products and services.

# Estimating the Shipments/Receipts and Employment Generated by Green Products and Services

Once we identified a complete list of green products and services, we calculated the shipments/receipts and employment associated with those products and services.<sup>1</sup> However, employment data are only available for more aggregated six-digit NAICS industries, and not for the most detailed product or service codes. Therefore, to estimate green employment, we first calculated the value of green products and services shipments/receipts as a share of total shipments/receipts for each NAICS industry that was associated with a green product or service. We assumed that the share of green shipments/receipts equals the green share of employment at the NAICS industry level. We then applied this green share of shipments/receipts to the NAICS industry employment level to estimate the number of green jobs in that industry. A more detailed discussion of the methodology is included in Appendix 2A. (Available online at *http://www.esa.doc.gov/GreenEconomyReport/Appendix2/*.)

### Advantages and Limitations of the Methodology

The definitions and methodology that we used to estimate the share of green business in the economy have both advantages and limitations. We summarize these here:

#### Advantages

- This analysis is based on publicly available data. These data and our basic approach can also be used by others who prefer alternative definitions of green products and services.
- The basis of this analysis, the 2007 Economic Census, is the most comprehensive source of business information in the United States.
- The Economic Census is conducted every 5 years, so it may be possible to track the growth of green industries or products over time in the future.

#### Limitations

• The Economic Census is taken only every 5 years and data are released on a staggered basis, with at least a two-year lag between the collection and release of initial data. This report is based on 2007 data, the most recent data available.

<sup>&</sup>lt;sup>1</sup> The 2007 Economic Census provides direct measures of the dollar value of shipments for individual manufacturing products and sales, receipts, or revenues for individual services (non-manufacturing). We refer to these throughout the document as shipments/receipts.

- While it is possible to compare 2002 and 2007 Economic Census data within manufacturing industries, the substantial changes to the product codes for services since 2002 make it difficult to track changes in green services.
- Data from the Economic Census do not cover all sectors of the economy and are suppressed for some industries if the number of firms reporting in a particular industry, product code, or geographic region is too small.
- Industry and product codes do not distinguish between green and non-green industries, products or services. For example, product categories for windows and doors do not differentiate windows and doors that provide better insulation from those that are not insulated and therefore are not energy efficient.
- Geographic data from the 2007 Economic Census are not yet available. When the data are available, we may be able to locate where green products and services are produced.
- Industry and product codes do not permit the examination of aspects of production or disposal, therefore our analysis does not take into account product lifecycle or the production process (except for recycled inputs).

## **Comparison with Previous Studies**

Many other studies have estimated the contribution of green businesses and jobs to the U.S. economy. These studies differ in their definition of green, their methodology, and their coverage area. Such differences make comparisons across studies problematic. Below is a short summary of the primary studies and their findings. Appendix 2C provides a more thorough review of green definitions and methodologies that these studies used to estimate the size of the green economy. (Available online at *http://www.esa.doc.gov/GreenEconomyReport/Appendix2/*.)

Although the exact definition of green varies across studies, there is remarkable similarity in many of the studies as to what constitutes green. Most studies utilize the concepts of energy efficiency, renewable or clean energy sources, and protection of the environment as guiding principles for defining the green economy. These principles are also echoed in the environmental product lists of Eurostat (2009) and the Organization for Economic Cooperation and Development (1999). Although the similarities are strong, differences in opinion and definition can arise. For instance, there is disagreement on whether nuclear electricity generation should be considered a green business. In our study, those products and services that are not universally considered green are placed in our broad category definition. Detailed product classifications are in Appendix 1.

Studies also differ in their methodology. Many of the studies that attempt to measure the size of the green economy use businesses as the basic unit of measure (for example, Pew Charitable Trusts, 2009). Those studies then measure the size of the green economy as the sum of all businesses considered to be green. Our study, by contrast, uses individual products and services as the unit of collection, realizing that businesses may produce a mix of green and non-green products and services.

The third main dimension that differentiates studies on the green economy is the scope of their coverage — especially geography. While some studies provide information about the entire U.S. economy, most are state-level studies based on special surveys. These studies found that green jobs account for about 1.6% of employment in Washington State (Washington State Employment Security Department, 2008) to 4.8% in Missouri (Missouri Economic Research & Information Center, 2009).

Previous studies vary in their approach and resulting estimates of the size of the green economy. However, nearly all studies find the share of the green economy to be less than 5%. For example, the Pew study found that green jobs accounted for 0.5% of 2007 private business employment in the United States. This result is nearly identical to a study by Global Insight (2008) that used a methodology similar to that of the Pew study.

In contrast to these earlier studies, this report is the first analysis to use publicly available, official government data to estimate the share of the total U.S. green economy. By looking at the share of shipments/receipts, as well as the share of employment, based on both narrow and broad definitions of green products and services, this report provides a range of estimates about the importance of the green economy in 2007. The methodology utilized in this study can be readily used to produce alternative measures of the green economy based on different categorizations of the products and services that form the basis for this analysis. For more information on the studies detailed above see Appendix 2C. (Available online at *http://www.esa.doc.gov/GreenEconomyReport/Appendix2/.*)

# **III. SIZE OF THE GREEN ECONOMY**

Measuring the size and scope of the green economy in the United States is useful for at least two reasons. First, it is valuable to know the share of green products and services in the overall economy. Second, the growth — and potential for future growth — of the green economy is of great interest to policymakers. The results of our analysis show the share and composition of green products and services in the economy.

Table 2 shows total nominal shipments/receipts and employment for products and services defined as green in our analysis, by major industry category, and as a share of the economy as a whole. We use shipments/receipts as the key measure of economic activity because it allows us to calculate comparable results for all industries. While value added is a more precise measure of the contribution of an industry to the economy, the Economic Census provides it for manufacturing industries only.

We show the results from our narrow and broad definitions of green products and services separately. A comparison between these results provides an estimated range for the size of the green economy. For example, rows 5 and 6 in Table 2 show the shipments and employment for manufactured products that we classify as green. The value of shipments of narrowly defined green manufactured products totaled \$48 billion in 2007, or about 0.9% of all manufacturing shipments. Using the broad definition of green products, green manufacturing shipments totaled \$69 billion or 1.3% of all manufacturing shipments. Green manufacturing ipobs narrowly defined totaled 197,000 in 2007, or 1.5% of all manufacturing employment. When the broad definition of green was used, the number of jobs rose to 241,000, or 1.8% of the total.

Industry Sector	Mea	sure	Share of Total Industry Sector (percent)		
	Narrow	Broad	Narrow	Broad	
Agriculture					
1 Shipments/Receipts (US \$ billions)	2	2	0.5	0.5	
2 Employment (thousands)	4	4	0.3	0.3	
Construction (green buildings and services)					
3 Shipments/Receipts (US \$ billions)	36	49	2.0	2.8	
4 Employment (thousands)	224	304	3.0	4.1	
Manufacturing					
5 Shipments/Receipts (US \$ billions)	48	69	0.9	1.3	
6 Employment (thousands)	197	241	1.5	1.8	
Services					
7 Shipments/Receipts (US \$ billions)	286	397	1.3	1.8	
8 Employment (thousands)	1,396	1,833	1.5	1.9	
All Sectors	!				
9 Shipments/Receipts (US \$ billions)	371	516	1.3	1.8	
<b>10</b> Employment (thousands)	1,821	2,382	1.5	2.0	

Table 2Size of the Green Economy by Industry Sector, 2007

Source: ESA estimates based on U.S. Census Bureau, 2007 Economic Census data and supplemental information. See Appendix 2 for more information on data sources and methodology.

(Available online at http://www.esa.doc.gov//GreenEconomyReport/appendix2/.)

Table 2 suggests the following facts about the green economy:

- Green products and services comprised a modest 1% to 2% of the total economy. This means that between \$371 billion and \$516 billion of private sector shipments/receipts in 2007 was in green products and services.
- The share of employment devoted to the production of green products and services was slightly larger than the share of shipments/receipts, ranging from 1.5% to 2.0% of private sector employment. This translates into 1.8 to 2.4 million jobs.
- Using the broad definition of green products and services increased the estimated size of the green economy by as much as 40%. However, even under this definition, the green share of the economy was relatively small.
- Construction was the industry with the highest share of green shipments/receipts and employment.
- The majority of shipments/receipts and green jobs were located in the services sector.

To put the number of green jobs in perspective, the 2.4 million jobs involved in producing green products (using our broad definition) is equivalent to 15 months of job growth at the average monthly rate that occurred during the expansion from 2003 to 2007. The green economy is in a position to grow quickly, but the relatively small size of the green economy also suggests that a majority of the jobs that will be created during this recovery may come from the production of products and services outside of the green economy.

Table 3 shows shipments/receipts per worker by industry sector for green manufacturing and services industries, as well as a ratio of shipments/receipts per worker for all non-green manufacturing and services industries. Table 3 differs from Table 2 in that it was based only on data from the 2007 Economic Census and does not include the supplemental estimates. The results in Table 3 indicate that the value of shipments per worker in green manufacturing was about equal to the value of shipments per worker in non-green industries — a bit less using the narrow definition, and more using the broad definition. The value of shipments per worker for green services was less than non-green services.

Table 3
Shipments/Receipts Per Worker by Industry Sector, 2007
(U.S. \$ thousands)

Industry Sector	and Services		Non-Green Products and Services*	to Non-Gree	f Green nd Services en Products ervices
	Narrow	Broad		Narrow	Broad
Manufacturing	327	368	336	0.97	1.09
Services	194	206	229	0.85	0.90

Source: ESA estimates based only on U.S. Census Bureau, 2007 Economic Census data. \* The value of this measure is equivalent using either the narrow or broad definition of green.

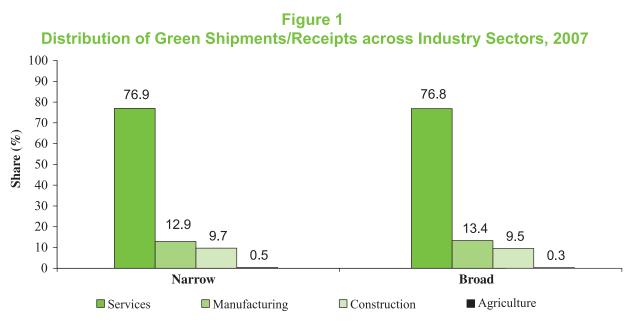
Table 3 provides some insight about the relative pay of green jobs. Pay is likely to be related in some manner to shipments/receipts, with higher-paying jobs to be found in industries with a high level of shipments/receipts per worker. If that is the case, Table 3 suggests that green jobs are likely to pay about the same or a bit more than other jobs in the manufacturing sector and pay somewhat less than other jobs in the services sector. It should be stressed that this is indirect evidence on pay levels and many other factors besides shipments/receipts per worker may shape workers' pay. In addition, there is likely to be considerable variation in wages within individual industry sectors. Additional research would be required to better understand the implications of the results in Table 3 on worker pay.

# **IV. GREEN BUSINESS – A MORE DETAILED LOOK**

### Green Products and Services by Industry Sector

Figure 1 shows the composition of the green sector of the economy across industries in 2007, based on shipments/receipts. The figure illustrates that a large share — slightly over three-fourths — of all green business activity was in the services sector. Another 13% was in manufacturing, with the remainder in construction and agriculture. This is not surprising since a large share of all economic activity was in the services sector (73.2% of shipments/receipts for the four sectors shown here).

Wholesale trade as well as administrative and support and waste management and remediation services accounted for the two largest green industries in the services sector (irrespective of narrow/broad categorizations). Within the wholesale trade industry, 90% of green product shipments/receipts were in the recyclable material merchant wholesale industry.



Source: ESA estimates based on U.S. Census Bureau, 2007 Economic Census data and supplemental information.

Figure 2 shows the distribution of employment in green jobs across industries. More than three-fourths of all green jobs were in services, similar to services' share of shipments/receipts. Manufacturing accounted for about 10% to 11% of green jobs. Construction was only responsible for about 12% to 13% of green employment.

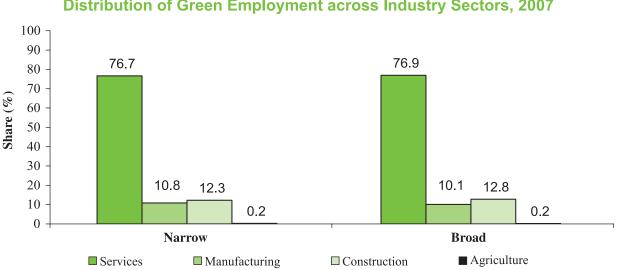


Figure 2 Distribution of Green Employment across Industry Sectors, 2007

Source: ESA estimates based on U.S. Census Bureau, 2007 Economic Census data and supplemental information.

#### Green Products and Services by Activity

We categorized our green products and services into five types of green activity: pollution control, resource conservation, energy conservation, the production of renewable/alternative energy, and environmental assessment. Refer to Table 1 for examples of products and services that fall under each category.

Figures 3 and 4 show how shipments/receipts were distributed among green activities using both the narrow and broad definitions for green products and services. In Figure 3, using the narrow definition, resource conservation, energy conservation, and pollution control each accounted for about 30% of total green shipments/receipts, for a total of 93%. A substantial share of the shipments/receipts in these categories was accounted for by recycled, reused and recovered products, waste management, mass transit services, alternative fuel vehicles and hybrids, and green building construction. The environmental assessment category — largely made up of environmental consulting, engineering, monitoring, testing, research, and advocacy services — accounted for only 4% of green shipments/receipts. Renewable/alternative energy production was only 3% of total green shipments/receipts.

As shown in Figure 4, renewable/alternative energy production accounted for a much higher share (13%) of shipments/receipts when using the broad definition. This is because the broad definition includes the relatively large sectors of nuclear electricity generation services and biofuels.

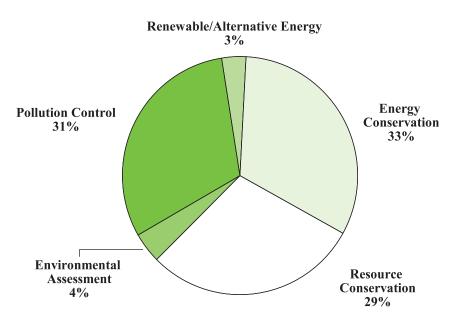
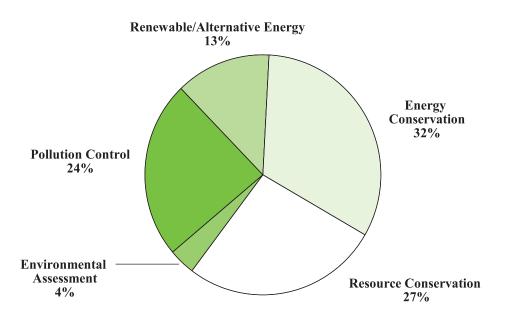


Figure 3 Share of Green Shipments/Receipts by Green Activity, 2007 Narrow Definition

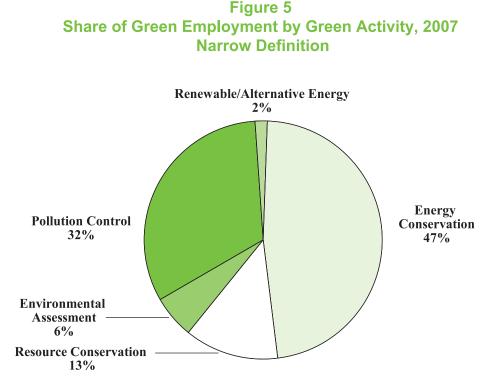
Source: ESA estimates based on U.S. Census Bureau, 2007 Economic Census data and supplemental information.

Figure 4 Share of Green Shipments/Receipts by Green Activity, 2007 Broad Definition

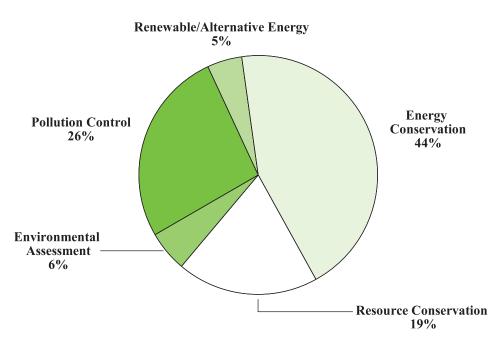


Source: ESA estimates based on U.S. Census Bureau, 2007 Economic Census data and supplemental information.

Figures 5 and 6 present the share of green employment by green activity, using the narrow and broad definition of green products and services. Energy conservation represented the largest share of total green employment, about 45%, under both the narrow and broad definitions. Pollution control was the next largest green activity, accounting for about 30% of green employment. The share of resource conservation and renewable/alternative energy products and services were both slightly higher under the broad definition compared with the narrow definition. Resource conservation products and services constituted 19% of total green employment (compared to 13% using the narrow definition), and renewable/alternative energy was 5% of green employment (compared to 2% using the narrow definition). Environmental assessment's share of total green employment remained constant at 6% under both the broad and narrow definitions.



Source: ESA estimates based on U.S. Census Bureau, 2007 Economic Census data and supplemental information.





Source: ESA estimates based on U.S. Census Bureau, 2007 Economic Census data and supplemental information.

# V. Trends in Green Manufacturing Industries between 2002 and 2007

We were able to compare product codes for manufacturing in the 2002 and 2007 Economic Censuses. Unfortunately, due to significant changes to the coding, we were unable to compare the codes for the services industries, and therefore present results over time only for the manufacturing sector.

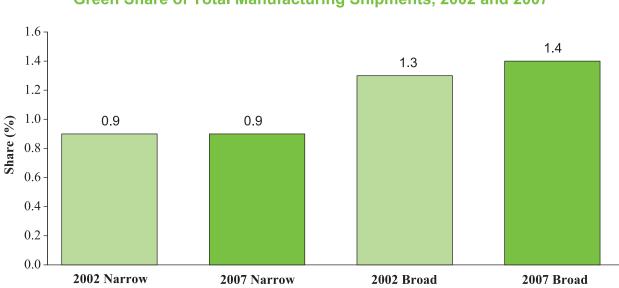


Figure 7 Green Share of Total Manufacturing Shipments, 2002 and 2007

Source: ESA estimates based on U.S. Census Bureau, 2002 and 2007 Economic Census data.

Figure 7 displays changes over time in the share of shipments of green products within manufacturing industries, based on both the narrow and broad definition of green products. The share of manufacturing shipments that was considered green remained fairly constant between 2002 and 2007 under both definitions.

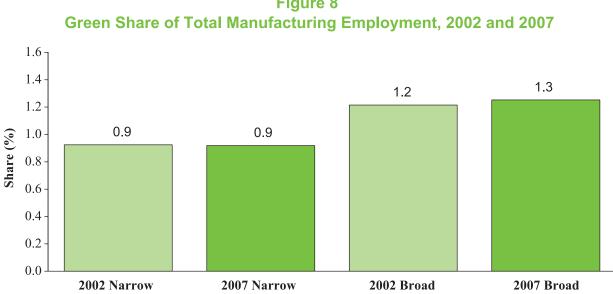


Figure 8

Source: ESA estimates based on U.S. Census Bureau, 2002 and 2007 Economic Census data.

Figure 8 shows changes over time in the share of employment in green jobs within manufacturing industries, again showing both the narrow and broad definition of green products. As with shipments, green employment shares within manufacturing remained relatively constant between 2002 and 2007.

For most six-digit NAICS codes that we classified as green, the dollar value of shipments rose between 2002 and 2007 under both the narrow and broad definitions. The increase was larger using the broad definition, which includes many more codes.

However, overall manufacturing shipments rose just as fast, so the share of green shipments was constant. In contrast, in most of these codes, employment declined over this five-year period. Total green employment in manufacturing declined between 2002 and 2007 by 13,000 under the narrow definition and 12,000 under the broad definition. Overall manfacturing employment was declining as well, so the share of green jobs was constant. These trends reflect the fast growth of productivity in the manufacturing sector and the decline in manufacturing employment.

Table 4Change in Shipments Per Worker in Manufacturing, 2002 and 2007<br/>(Nominal U.S. \$ thousands)

Type of Product	Shipments Per Worker, 2002	Shipments Per Worker, 2007	Change in Shipments Per Worker (Percent)
Green Products, Narrow Definition	207	327	58
Green Products, Broad Definition	245	368	50
Non-Green Products*	235	336	43

*Source: ESA estimates based on U.S. Census Bureau, 2002 and 2007 Economic Census data. \* The value of this measure is equivalent using either the narrow or broad definition of green.* 

Table 4 shows shipments per worker for green and non-green products in manufacturing in 2002 and 2007. These are nominal amounts, and have not been adjusted for inflation over this five-year period. Although shipments per worker were lower for green products in 2002, the value of shipments grew somewhat faster for green products between 2002 and 2007. Green manufacturing experienced the same trends as the rest of manufacturing over this period, with declining employment occurring along with rising output as production processes became more labor efficient.

# VI. CONCLUSION

The data used in this report suggest that the green share of the economy in 2007 was a modest 1% to 2% of all private sector economic activity. Using a broad definition of green products did not change the basic picture that suggested that green products and services were a relatively small share of the economy. The highest share of green production occurred in the construction sector, where 3% of receipts were due to green products and services. Only a small share of all green products was in construction.

This report paints a picture of the green economy in 2007. Unfortunately, measuring the change in the green economy since 2007 is not possible using the Economic Census. However, there are several reasons to believe that the green economy may have grown since 2007 and may be poised for future growth. First, consumers, both here and abroad, may be increasing demand for green products and services. Second, energy prices remain at high levels, creating greater financial incentives for firms to develop more energy-efficient products and services.

This Administration has invested heavily in the green economy and will continue to do so. The American Recovery and Reinvestment Act of 2009 authorizes spending \$90 billion to promote innovation and growth in green business and green jobs. This report shows the size and composition of the green economy prior to this burst of investment. It provides a starting point for measuring the future growth of green products and services in the United States economy.

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# **APPENDIX 1**

# **Green Product Lists for Manufacturing and Services**

## Section A: Manufacturing

Appendix Table 1A includes the complete list of manufacturing codes that were considered green in our analysis. The table below provides the product classification (**PR CL**) as well as its description (**DESCRIPTION of PR CL**). A PR CL is marked with an X in the columns labeled **N** and **B** based on whether the PR CL fit into our narrow (**N**) or broad (**B**) definition. We categorized our green products and services by five types of green activity (**GA**): resource conservation (**RC**), environmental assessment (**EA**), energy conservation (**EC**), renewable/alternative energy (**RE**), and pollution control (**PC**).

PR CL	DESCRIPTION of PR CL	Ν	в	GA
3149991100	Recovered fibers, processed mill waste and related products	х	х	RC
3212191221	Particleboard, flooring, including underlayment and manufactured (mobile) home decking, made from particleboard produced at the same location		х	RC
3212191311	Particleboard, including industrial, commercial, and shelving, siding, sheathing and door core		х	RC
3212193300	Medium density fiberboard (MDF) made from MDF produced at the same location		х	RC
3212195100	Cellulosic fiberboard (insulating board)	х	х	RC
3212198200	Prefinished particleboard and medium density fiberboard (MDF) made from purchased particleboard and MDF		х	RC
3221307111	Recycled corrugating medium	x	x	RC
3221307221	Recycled linerboard	х	х	RC
3221307231	Recycled container chip and filler board	Х	х	RC
3221307341	Recycled clay-coated folding carton board	Х	Х	RC
3221307451	Recycled unlined folding carton chipboard	х	х	RC

### Appendix Table 1A Green Product List for Manufacturing

PR CL	DESCRIPTION of PR CL	Ν	в	GA
3221307461	Recycled lined folding carton board, including kraft and white	х	х	RC
3221307571	Recycled setup board	х	х	RC
3221307575	Recycled tube, can, and drum paperboard stock	х	х	RC
3221307581	Recycled gypsum linerboard	х	х	RC
3221307591	Other recycled paperboard, including panelboard and wallboard stock and other special combination packaging and industrial converting paperboard	х	х	RC
3279920621	Other exfoliated vermiculite (including loose fill insulation, acoustical, etc.)		х	EC
3279931111	Loose fiber (blowing and pouring) (shipped as such) and granulated fiber, mineral wool for thermal and acoustical envelope insulation (for insulating homes and commercial and industrial buildings)		х	EC
3279931211	Building batts, blankets, and rolls in thermal resistance (R) values R19 or more, mineral wool for thermal and acoustical envelope insulation (for insulating homes and commercial and industrial buildings)	х	х	EC
3279931311	Building batts, blankets, and rolls in thermal resistance (R) values R11 to R18.9, mineral wool for thermal and acoustical envelope insulation (for insulating homes and commercial and industrial buildings)	х	х	EC
3279931321	Building batts, blankets, and rolls in thermal resistance (R) values R10.9 or less, mineral wool for thermal and acoustical envelope insulation (for insulating homes and commercial and industrial buildings)		х	EC
3279931411	Acoustical (wall and ceiling) sold as acoustical insulation, mineral wool for thermal and acoustical envelope insulation (for homes and commercial and industrial buildings)		х	PC

PR CL	DESCRIPTION of PR CL	Ν	В	GA
3334113355	Parts for dust collection and air purification equipment	х	х	PC
3334120217	Centrifugal blower-filter units	х	х	PC
3335126107	Rebuilt metal cutting type machine tools (including machines returned to same configuration they were in when new from factory)	х	х	RC
3335126111	Remanufactured metal cutting-type machine tools (including machines in which the original carcass is reused and all possible modern improvements have been incorporated)	X	X	RC
3335137117	Rebuilt metal forming machine tools (including machines returned to same configuration they were in when new from factory)	х	х	RC
3335137121	Remanufactured metal forming machine tools (including machines in which the basic carcass is reused and all possible modern improvements have been incorporated)	х	X	RC
3339991104	Filter and strainer assemblies (containment or housing devices), with or without filter element installed, for water; excluding parts and accessories and fluid power	х	х	PC
3339991111	Reusable (cleanable) media for filters and strainers, excluding for fluid power	х	х	RC
3339991212	Nonreusable media for filters and strainers, including disposable (throwaway) litter cartridges, excluding for fluid power	х	х	PC
3339991389	Parts and accessories for filters and strainers, excluding for fluid power systems (sold separately)	х	х	PC
3345120100	Automatic environmental controls for monitoring residential, commercial, and appliance use	х	х	EC
3345195100	Nuclear radiation detection and monitoring instruments	х	х	PC
3363223201	Rebuilt battery charging alternators and generators for internal combustion engines, all types		х	RC
3363225201	Rebuilt starting (engine cranking) motors, all types		х	RC
336322D128	Other rebuilt electrical equipment (including cruise control and windshield washer-wiper units), excluding engine electrical equipment	х	х	RC
3365102102	Locomotives, diesel-electric, new and rebuilt (excluding engines)	х	х	EC
3365102111	Locomotive parts, excluding fuel lubricating and cooling medium pumps	х	х	EC
3365103100	Train and train cars, freight and passenger, new, excluding parts	х	х	EC
3365105301	Passenger and freight train cars, rebuilt	х	х	RC

PR CL	DESCRIPTION of PR CL	Ν	В	GA
3365105304	Cars (street, subway, trolley, and rapid transit), self-propelled and non-self- propelled, rebuilt	х	х	RC
3365105405	Railway maintenance of railway equipment (rail layers, ballast spreaders, etc.), excluding rail cars	х	х	EC
3365105407	Other work and service of railroad vehicles, excluding locomotive cranes	х	х	EC
3365105425	Airbrakes and other brake equipment, railroad and streetcars	х	х	EC
3365105427	Parts and accessories for railroads, streetcars, truck assemblies, railway maintenance of railway way equipment, etc.	x	x	EC
3369912102	Cycles, all types including unicycles, bicycles, adult and children's tricycles of metal tubular construction (excluding children's sidewalk bikes with solid or semipheumatic tires)		x	EC
3369912105	Parts for bicycles, unicycles, and adult tricycles		х	EC
324110D106	Bio-diesel fuels made by refining petroleum and blending with vegetable- based bio-diesel		х	RE
325998A142	Water treating compounds, excluding swimming pool and cooling tower	х	х	PC
326299B121	Reclaimed rubber (any vulcanizable material excluding reclaimed residue or mud derived from processing or treatment of natural or synthetic (chemical) vulcanized scrap rubber)	х	х	RC
332911D105	Nuclear valves (N-stamp only), excluding parts		х	RE
332911D213	Parts for nuclear valves (N-stamp only)		х	RE
33329861H9	Filtering and purifying machinery and apparatus for desalinization, excluding parts	х	х	PC
333319A461	Sewage treatment equipment, distilling or rectifying	х	х	PC
333319A466	Sewage treatment equipment, filtering or purifying	х	x	PC
333319A471	Sewage treatment equipment, centrifuges	х	х	PC
333319A474	Other sewage treatment equipment	х	х	PC
333319A482	Service industry trash and garbage compactors		х	PC
333414A136	Solar energy collectors (water or air)	х	х	RE
333415G100	Ground and ground water source heat pumps	х	х	RE

PR CL	DESCRIPTION of PR CL N	В	GA
3241992231	Bio-diesel fuels made from blending purchased petroleum with vegetable-based bio-diesel	х	RE
3251930111	Fuel ethanol (fuel-grade ethyl alcohol), ethyl alcohol, manufactured by the wet mill process	х	RE
2251020211			05
3251930311	Fuel ethanol, ethyl alcohol, manufactured by other processes (dry mill-distillation)	х	RE
3251991110	Biodiesel fuels.	x	RE
3256114611	Household dry laundry x detergents, heavy-duty, phosphate free, and househole	x	PC
	liquid laundry detergents, light- duty and heavy-duty.		
3262120100	Tire rebuilding and retreading (excluding tire repairing, such as pluggings)	х	RC
3273901461	Septic tanks, precast concrete x	х	PC
3279920421	Crushed slag	х	RC
3279931511	Board (such as roof insulation),	х	EC
	mineral wool for thermal and acoustical envelope insulation (for homes and commercial and industrial buildings)		
3279931521	Other mineral wool for thermal and acoustical envelope insulation (for homes and commercial and industrial buildings)	x	EC
3279934111	Plain blankets (flexible) (including fabricated pieces, rolls, and batts), mineral wool for industrial, equipment, and appliance insulation	x	EC
3279934121	Coated blankets (flexible) (including fabricated pieces, rolls, and batts), mineral wool for industrial, equipment, and appliance insulation	x	EC
3279934131	Faced and metal meshed blankets (flexible) (including fabricated pieces, rolls, and batts), mineral wool for industrial, equipment, and appliance insulation	x	EC

PR CL	DESCRIPTION of PR CL	Ν	В	GA
3279934211	Special-purpose mineral wool for industrial, equipment, and appliance insulation pieces (special- purpose automotive, appliance, aerospace items and original equipment parts)		x	EC
3279934311	Other mineral wool for industrial equipment and appliance insulation, blocks and boards		х	EC
3279934321	Mineral wool for industrial, equipment, and appliance pipe insulation		х	EC
3279934331	Mineral wool for industrial, equipment, and appliance acoustical insulation (including pads, boards, patches, etc.)		х	PC
3279934341	Other mineral wool for industrial, equipment, and appliance insulation (including air duct, loose fiber, granulated fiber, insulating and finishing cements, etc.)		x	EC
331111113	Blast furnace slag, excluding ferroalloys, made in steel mills		х	RC
3323130301	Fabricated steel plate shielding for use in nuclear reactor buildings		х	RE
3334111110	Dust collection and other air purification equipment for industrial gas cleaning systems (for cleaning outgoing air), excluding parts	x	х	PC
3334111165	Parts for industrial air purification equipment	x	x	PC
3334113103	Air filters for air-conditioners and furnaces, etc., of 2400 CFM or less, excluding parts	x	x	PC
3334113213	Other dust collection and air purification equipment, excluding parts	х	x	PC
3362117101	School buses, compete, produced on purchased chassis	х	x	EC
3362117103	Other buses, complete, produced on purchased chassis	x	x	EC

### Section B: Services

Appendix Table 1B includes the complete list of services codes that were considered green in our analysis. The table below provides the **NAICS** code and product classification (**PRCL**), as well as the descriptions for both (**DESCRIPTION**). The NAICS and PRCL are marked with an X in the columns labeled **N** and **B** based on whether the PR CL fit into our narrow (**N**) or broad (**B**) definition. We categorized our green products and services by five types of green activity (**GA**): resource conservation (**RC**), environmental assessment (**EA**), energy conservation (**EC**), renewable/alternative energy (**RE**), and pollution control (**PC**).

NAICS	DESCRIPTION	PRCL	DESCRIPTION	Ν	в	GA	NAICS	DESCRIPTION	PRCL	DESCRIPTION	Ν	В	GA
4533	Used merchandise stores	20200	Men's wear, including accessories		х	RC	4533	Used merchandise stores	20370	Computer hardware, software, & supplies		х	RC
4533	Used merchandise stores	20220	Women's, juniors', and misses' wear, including accessories		х	RC	4533	Used merchandise stores	20380	Kitchenware & home furnishings		х	RC
4533	Used merchandise stores	20240	Children's wear, incl boys', girls', infants' & toddlers'		х	RC	4533	Used merchandise stores	20400	Jewelry, incl watches, watch attach, novelty jewelry, etc		х	RC
4533	Used merchandise stores	20260	Footwear, including accessories		х	RC	4533	Used merchandise stores	20420	Books		х	RC
4533	Used merchandise stores	20270	Sewing, knitting materials & supplies, needlework goods, etc		х	RC	4533	Used merchandise stores	20440	Photographic equipment & supplies		X	RC
4533	Used merchandise stores	20280	Curtains, draperies, blinds, slipcovers, bed & table coverings		х	RC	4533	Used merchandise stores	20460	Toys, hobby goods, & games		х	RC
4533	Used merchandise stores	20300	Major household appliances		х	RC	4533	Used merchandise stores	20490	Optical goods, incl eyeglasses, contact lenses, sunglasses, etc		х	RC
4533	Used merchandise stores	20310	Small electric appliances & personal care appliances		х	RC	4533	Used merchandise stores	20500	Sporting goods		х	RC
4533	Used merchandise stores	20320	TVs, video recorders, video cameras, video tapes, DVDs, etc		х	RC	4533	Used merchandise stores	20600	Hardware, tools, & plumbing & electrical supplies		х	RC
4533	Used merchandise stores	20330	Audio equip, musical instr, radios, stereos, CDs, records, etc		х	RC	4533	Used merchandise stores	20620	Lawn, garden, & farm equipment & supplies		х	RC
4533	Used merchandise stores	20340	Furniture, sleep equipment & outdoor/patio furniture		х	RC	4533	Used merchandise stores	20640	Dimensional lumber & oth bldg/structural materials & supplies		х	RC
4533	Used merchandise stores	20360	Flooring & floor coverings		х	RC	4533	Used merchandise stores	20700	Cars, trucks, motorcycles & other powered transportation vehicles		х	RC

### Appendix Table 1B Green Product List for Services

NAICS	DESCRIPTION	PRCL	DESCRIPTION	Ν	В	GA
4533	Used merchandise stores	20740	Automotive tires, tubes, batteries, parts, accessories		х	RC
4533	Used merchandise stores	20850	All other merchandise		x	RC
4533	Used merchandise stores	20878	Seasonal decorations		х	RC
44111	New car dealers	20753	Automotive parts, used, including wheels		х	RC
44112	Used car dealers	20753	Automotive parts, used, including wheels		х	RC
44121	Recreational vehicle dealers	20713	Used motorcycles, motor scooters, motor bikes, incl parts&access		Х	RC
44131	Automotive parts and accessories stores	20747	Retreaded or used automobile and light passenger truck tires		х	RC
44131	Automotive parts and accessories stores	20748	Retreaded or used medium- and heavy-duty truck and bus tires		х	RC
44131	Automotive parts and accessories stores	20753	Automotive parts, used, including wheels		х	RC
44132	Tire dealers	20747	Retreaded or used automobile and light passenger truck tires		х	RC
44132	Tire dealers	20748	Retreaded or used medium- and heavy-duty truck and bus tires		х	RC
44132	Tire dealers	20753	Automotive parts, used, including wheels		х	RC
44411	Home centers	20656	Insulation (all types) & weatherization products		х	EC
44412	Paint and wallpaper stores	20656	Insulation (all types) & weatherization products		х	EC
44413	Hardware stores	20656	Insulation (all types) & weatherization products		х	EC
44419	Other building material dealers	20656	Insulation (all types) & weatherization products		х	EC
45111	Sporting goods stores	20512	Bicycles, parts & accessories		х	EC
45112	Hobby, toy, and game stores	20512	Bicycles, parts & accessories		х	EC
45291	Warehouse clubs and supercenters	20512	Bicycles, parts & accessories		х	EC
45299	All other general merchandise stores	20512	Bicycles, parts & accessories		X	EC
45393	Manufactured (mobile) home dealers	20687	Used single- section manufactured (mobile) homes		X	RC

					_	
NAICS	DESCRIPTION	PRCL	DESCRIPTION	Ν	В	GA
45393	Manufactured (mobile) home dealers	20688	Used multisection manufactured (mobile) homes		х	RC
221111	Hydroelectric power generation	49000	Electricity - generation and distribution	х	х	RE
221111	Hydroelectric power generation	49810	Other products	х	х	RE
221113	Nuclear electric power generation	49000	Electricity - generation and distribution		х	RE
221119	Other electric power generation	43750	Other merchandise	х	X	RE
221119	Other electric power generation	49000	Electricity - generation and distribution	X	X	RE
221119	Other electric power generation	49010	Electricity - power marketing and brokering	х	х	RE
221119	Other electric power generation	49050	Steam or air- conditioning	х	х	RE
221119	Other electric power generation	49070	Electric power transmission	х	х	RE
221119	Other electric power generation	49810	Other products	х	х	RE
221320	Sewage treatment facilities	43750	Other merchandise	х	х	PC
221320	Sewage treatment facilities	49060	Water	х	х	PC
221320	Sewage treatment facilities	49090	Sewer system user charges	х	х	PC
221320	Sewage treatment facilities	49810	Other products	x	х	PC
423110	Automobile and other motor vehicle merchant wholesalers	10240	Used automotive parts, accessories, and equipment		х	RC
423110	Automobile and other motor vehicle merchant wholesalers	10312	Re-treaded and used tires and repair materials		х	RC
423110	Automobile and other motor vehicle merchant wholesalers	10314	Re-treaded and used truck and bus tires and repair materials		х	RC
423120	Motor vehicle supplies and new parts merchant wholesalers	10240	Used automotive parts, accessories, and equipment		х	RC
423120	Motor vehicle supplies and new parts merchant wholesalers	10312	Re-treaded and used tires and repair materials		х	RC
423120	Motor vehicle supplies and new parts merchant wholesalers	10314	Re-treaded and used truck and bus tires and repair materials		х	RC
423130	Tire and tube merchant wholesalers	10240	Used automotive parts, accessories, and equipment		Х	RC

NAICS DESCRIPTI 423130 Tire and tube	ON PRCL	DESCRIPTION	N	в	GA
+23130 11re and tube	10312	Re-treaded and		x	RC
merchant wholesalers		used tires and			
wnoiesalers		repair materials			
423130 Tire and tube	10314	Re-treaded and		х	RC
merchant		used truck and bus			
wholesalers		tires and repair materials			
423140 Motor vehicle	10240	Used automotive		х	RC
parts (used)		parts, accessories,			
merchant wholesalers		and equipment			
423140 Motor vehicle	10312	Re-treaded and		х	RC
parts (used)		used tires and			
merchant wholesalers		repair materials			
423140 Motor vehicle	10314	Re-treaded and		х	RC
parts (used)		used truck and bus			
merchant wholesalers		tires and repair materials			
423140 Motor vehicle	12920	Nonferrous metal	x	x	RC
423140 Motor venicie parts (used)	12920	scrap	х	л	кU
merchant		-			
wholesalers					
423210 Furniture mercl	hant 10424	Used office and	х	х	RC
wholesalers		business furniture			
		** 4 or -			
423220 Home furnishin merchant	ng 10424	Used office and business furniture	х	х	RC
wholesalers		ousiness furfilture			
422210 I I I	- 1 10702	T			FC
423310 Lumber, plywo millwork, and	od, 10723	Insulation materials		х	EC
wood panel					
merchant					
wholesalers 423320 Brick, stone, an	nd 10723	Insulation		х	EC
related	- 10/20	materials		A	LC
construction					
material mercha wholesale	1111				
423330 Roofing, siding	, 10723	Insulation		х	EC
and insulation		materials			
material merch wholesalers	ant				
wholesalers					
423390 Other construct		Insulation		х	EC
material mercha wholesalers	ant	materials			
ioiosaioio					
422.420	at 10020	Haad approved a		x-	P.C.
423420 Office equipme merchant	ent 10930	Used computer equipment	х	х	RC
wholesalers					
423430 Computer and	10930	Used computer	х	х	RC
software merch wholesalers	ant	equipment			
ioicsurers					
423430 Computer and	12920	Nonferrous metal	v	v	RC
423430 Computer and software merch		scrap	х	х	ĸĊ
wholesalers					
	ial 10930	Used computer	х	х	RC
423440 Other commerc		equipment			
equipment					
equipment merchant					
equipment merchant wholesalers	10240	Used automotive		v	RC.
equipment merchant wholesalers	10240 er	Used automotive parts, accessories,		x	RC
equipment merchant wholesalers 423510 Metal service centers and oth metal merchant	er			x	RC
equipment merchant wholesalers 423510 Metal service centers and oth metal merchant wholesalers	er	parts, accessories, and equipment			
equipment merchant wholesalers 423510 Metal service centers and oth metal merchant	er 10723	parts, accessories,		x x	RC EC
equipment merchant wholesalers 423510 Metal service centers and oth metal merchant wholesalers 423510 Metal service	er 10723 er	parts, accessories, and equipment Insulation			

	DECODIDITION	DDOI	DECODIDITION		-	~
NAICS 423510	DESCRIPTION Metal service	PRCL 12712	DESCRIPTION Bicycles and	Ν	B	GA EC
425510	centers and other	12/12	bicycle tires and		А	EC
	metal merchant		tubes			
	wholesalers					
423510	Metal service	12920	Nonferrous metal	х	х	RC
	centers and other metal merchant		scrap			
	wholesalers					
423510	Metal service	12930	Recyclable paper	x	х	RC
	centers and other		and paperboard			
	metal merchant					
422510	wholesalers	12042	Describble alsotice			DC
423510	Metal service centers and other	12943	Recyclable plastics	х	х	RC
	metal merchant					
	wholesalers					
423510	Metal service	12944	Recyclable glass	х	х	RC
	centers and other					
	metal merchant wholesalers					
100 60 0		10000	TT 1			P.C.
423690	Other electronic parts and	10930	Used computer equipment	х	х	RC
	equipment		equipment			
	merchant					
	wholesalers					
423710	Hardware	10312	Re-treaded and		х	RC
	merchant		used tires and			
	wholesalers		repair materials			
423710	Hardware merchant	10314	Re-treaded and used truck and bus		х	RC
	wholesalers		tires and repair			
	whoresarers		materials			
423710	Hardware	10723	Insulation		х	EC
	merchant		materials			
	wholesalers					
423830	Industrial	10240	Used automotive		х	RC
	machinery and		parts, accessories,			
	equipment		and equipment			
	merchant					
100000	wholesalers					
423830	Industrial machinery and	10314	Re-treaded and used truck and bus		х	RC
	equipment		tires and repair			
	merchant		materials			
	wholesalers					
423830	Industrial	12940	Recyclable	х	х	RC
	machinery and		materials			
	equipment merchant					
	wholesalers					
423840	Industrial supplies	19750	Reconditioning of	х	х	RC
	merchant		drums or barrels			
100000	wholesalers	12041	Deerrol-bl- (1			D.C.
423850	Service establishment	12941	Recyclable textiles	х	х	RC
	equipment and					
	supplies merchant					
	wholesalers					
423910	Sporting and	12712	Bicycles and		х	EC
	recreational goods and supplies		bicycle tires and tubes			
	merchant		10003			
	wholesalers					
423920	Toy and hobby	12712	Bicycles and		х	EC
	goods and supplies		bicycle tires and			
	merchant		tubes			
400000	wholesalers	10240	Used and the			D.C.
423930	Recyclable material merchant	10240	Used automotive parts, accessories,		х	RC
	wholesalers		and equipment			
			1			
423930	Recyclable	12911	Prepared ferrous	х	х	RC
423930	Recyclable material merchant wholesalers	12911	Prepared ferrous metal scrap processed	х	х	RC

NAICS	DESCRIPTION	PRCL	DESCRIPTION	Ν	В	GA
423930	Recyclable material merchant wholesalers	12912	Prepared ferrous metal scrap not processed	х	х	RC
423930	Recyclable material merchant wholesalers	12913	Unprepared ferrous metal scrap	х	х	RC
423930	Recyclable material merchant wholesalers	12921	Aluminum scrap	Х	Х	RC
423930	Recyclable material merchant wholesalers	12922	Copper and copper alloy scrap	X	X	RC
423930	Recyclable material merchant wholesalers	12923	Lead scrap	х	х	RC
423930	Recyclable material merchant wholesalers	12924	Other nonferrous metallic scrap	х	х	RC
423930	Recyclable material merchant wholesalers	12930	Recyclable paper and paperboard	х	х	RC
423930	Recyclable material merchant wholesalers	12941	Recyclable textiles	Х	Х	RC
423930	Recyclable material merchant wholesalers	12943	Recyclable plastics	x	х	RC
423930	Recyclable material merchant wholesalers	12944	Recyclable glass	х	х	RC
423930	Recyclable material merchant wholesalers	12945	Other recyclable materials	х	х	RC
423930	Recyclable material merchant wholesalers	12946	Slags		х	RC
423990	Other miscellaneous durable goods merchant wholesalers	10240	Used automotive parts, accessories, and equipment		х	RC
423990	Other miscellaneous durable goods merchant wholesalers	10723	Insulation materials		х	EC
423990	Other miscellaneous durable goods merchant wholesalers	10930	Used computer equipment	X	X	RC
424130	Industrial and personal service paper merchant wholesalers	12921	Aluminum scrap	х	х	RC
424130	Industrial and personal service paper merchant wholesalers	12930	Recyclable paper and paperboard	Х	х	RC
424130	Industrial and personal service paper merchant wholesalers	12943	Recyclable plastics	х	х	RC

NAICS	DESCRIPTION	PRCL	DESCRIPTION	Ν	В	GA
424130	Industrial and personal service paper merchant wholesalers	12944	Recyclable glass	х	х	RC
424130	Industrial and personal service paper merchant wholesalers	13170	Safety equipment	х	х	RC
424610	Plastics materials and basic forms and shapes merchant wholesaler	10723	Insulation materials		х	EC
424690	Other chemical and allied products merchant wholesalers	10723	Insulation materials		х	EC
424690	Other chemical and allied products merchant wholesalers	15339	Biofuels		х	RE
424710	Petroleum bulk stations and terminals	15339	Biofuels		х	RE
424720	Other petroleum merchant wholesalers	15339	Biofuels		х	RE
424990	Other miscellaneous nondurable goods merchant wholesalers	12943	Recyclable plastics	х	х	RC
425120	Wholesale trade agents and brokers	10240	Used automotive parts, accessories, and equipment		х	RC
425120	Wholesale trade agents and brokers	10723	Insulation materials		х	EC
425120	Wholesale trade agents and brokers	10930	Used computer equipment	х	х	RC
425120	Wholesale trade agents and brokers	12712	Bicycles and bicycle tires and tubes		х	EC
425120	Wholesale trade agents and brokers	12911	Prepared ferrous metal scrap processed	х	х	RC
425120	Wholesale trade agents and brokers	12912	Prepared ferrous metal scrap not processed	х	х	RC
425120	Wholesale trade agents and brokers	12913	Unprepared ferrous metal scrap	X	X	RC
425120	Wholesale trade agents and brokers	12921	Aluminum scrap	х	Х	RC
425120	Wholesale trade agents and brokers	12922	Copper and copper alloy scrap	х	х	RC
425120	Wholesale trade agents and brokers	12923	Lead scrap	х	х	RC

NAICS	DESCRIPTION	PRCL	DESCRIPTION	Ν	В	GA	NAICS
425120	Wholesale trade agents and brokers	12924	Other nonferrous metallic scrap	х	х	RC	484122
425120	Wholesale trade agents and brokers	12930	Recyclable paper and paperboard	x	x	RC	484210
425120	Wholesale trade agents and brokers	12941	Recyclable textiles	x	x	RC	484220
425120	Wholesale trade agents and brokers	12943	Recyclable plastics	x	x	RC	484220
425120	Wholesale trade agents and brokers	12946	Slags		х	RC	484230
441221	Motorcycle, ATV, and Personal Watercraft Dealers	20713	Used motorcycles, motor scooters, motor bikes, incl parts&access		x	RC	484230
441222	Boat Dealers	20713	Used motorcycles, motor scooters, motor bikes, incl parts&access		х	RC	485111
441229	All Other Motor Vehicle Dealers	20713	Used motorcycles, motor scooters, motor bikes, incl parts&access		х	RC	485112
452111	Department stores (except discount department stores)	20512	Bicycles, parts & accessories		х	EC	485113
452112	Discount department stores	20512	Bicycles, parts & accessories		х	EC	485113
483113	Coastal and great lakes freight transportation	43090	Transportation of waste by water		X	PC	485113
483113	Coastal and great lakes freight transportation	43210	Marine salvaging services		x	RC	485113
483211	Inland water freight transportation	43210	Marine salvaging services		x	RC	485113
484110	General freight trucking, local	44131	Transportation of non-hazardous waste by road		x	PC	485113
484110	General freight trucking, local	44132	Transportation of hazardous waste by road		x	PC	485113
484121	General freight trucking, long- distance, truckload	44131	Transportation of non-hazardous waste by road		х	PC	485113
484121	General freight trucking, long- distance, truckload	44132	Transportation of hazardous waste by road		X	PC	485113
484122	General freight trucking, long- distance, less than truckload	44131	Transportation of non-hazardous waste by road		X	PC	485113

NAICE	DESCRIPTION	DDCI	DESCRIPTION	N	в	<b>C</b> A
NAICS 484122	DESCRIPTION General freight trucking, long- distance, less than truckload	<b>PRCL</b> 44132	DESCRIPTION Transportation of hazardous waste by road	N	B	GA PC
484210	Used household and office goods moving	44131	Transportation of non-hazardous waste by road		х	PC
484220	Specialized freight (except used goods) trucking, local	44131	Transportation of non-hazardous waste by road		х	PC
484220	Specialized freight (except used goods) trucking, local	44132	Transportation of hazardous waste by road		х	PC
484230	Specialized freight (except used goods) trucking, long-distance	44131	Transportation of non-hazardous waste by road		х	PC
484230	Specialized freight (except used goods) trucking, long-distance	44132	Transportation of hazardous waste by road		х	PC
485111	Mixed mode transit systems	45013	Loc, fixed-rte, pass trans on common carr road & trans rail syst	х	х	EC
485112	Commuter rail systems	45013	Loc, fixed-rte, pass trans on common carr road & trans rail syst	х	х	EC
485113	Bus and other motor vehicle transit systems	45001	Long-dist fixed- route pass trans by road exc interurb serv netwk	х	х	EC
485113	Bus and other motor vehicle transit systems	45002	Long-dist, fixed- route pass trans by road on interurban network	х	х	EC
485113	Bus and other motor vehicle transit systems	45011	Local, fixed-route pass trans by road, exc school, emp, & com car	х	х	EC
485113	Bus and other motor vehicle transit systems	45012	Local, fixed-route emp trans by road, except common carrier	х	х	EC
485113	Bus and other motor vehicle transit systems	45013	Loc, fixed-rte, pass trans on common carr road & trans rail syst	х	х	EC
485113	Bus and other motor vehicle transit systems	45014	Local, school route passenger transportation by bus	х	х	EC
485113	Bus and other motor vehicle transit systems	45021	Long-distance pass trans by road, exc fixed-route, other vehicles	х	х	EC
485113	Bus and other motor vehicle transit systems	45022	Long-distance passenger transportation by chartered bus	х	х	EC
485113	Bus and other motor vehicle transit systems	45031	Other local passenger transportation by road	х	X	EC
485113	Bus and other motor vehicle transit systems	45033	Local passenger transportation by chartered bus	Х	Х	EC

NAICS	DESCRIPTION	PRCL	DESCRIPTION	Ν	В	GA
485113	Bus and other motor vehicle transit systems	45040	Long-distance tour packages by bus		х	EC
485113	Bus and other motor vehicle transit systems	45050	Special needs trans serv, incl paratransit, senior	х	х	EC
485210	Interurban and rural bus transportation	45001	citizen, etc Long-dist fixed- route pass trans by road exc interurb	x	x	EC
485210	Interurban and	45002	serv netwk Long-dist, fixed-	x	x	EC
405210	rural bus transportation	45002	route pass trans by road on interurban network	л	А	LC
485210	Interurban and rural bus transportation	45011	Local, fixed-route pass trans by road, exc school, emp, & com car	х	х	EC
485210	Interurban and rural bus transportation	45013	Loc, fixed-rte, pass trans on common carr road & trans rail syst	х	х	EC
485210	Interurban and rural bus transportation	45020	Long-distance passenger transportation by	x	х	EC
485210	Interurban and rural bus transportation	45022	road, exc fixed rte Long-distance passenger transportation by chartered bus	x	х	EC
485210	Interurban and rural bus transportation	45033	Local passenger transportation by chartered bus	х	х	EC
485210	Interurban and rural bus transportation	45040	Long-distance tour packages by bus		х	EC
485210	Interurban and rural bus transportation	45050	Special needs trans serv, incl paratransit, senior citizen, etc	х	х	EC
485310	Taxi service	45013	Loc, fixed-rte, pass trans on common carr road & trans rail syst	х	х	EC
485310	Taxi service	45014	Local, school route passenger transportation by bus	х	х	EC
485310	Taxi service	45022	Long-distance passenger transportation by chartered bus	х	х	EC
485310	Taxi service	45033	Local passenger transportation by chartered bus	х	х	EC
485310	Taxi service	45040	Long-distance tour packages by bus		х	EC
485310	Taxi service	45082	Trans & grnd pass trans - vanpool & carpool coordination serv	х	х	EC
485320	Limousine service	45013	Loc, fixed-rte, pass trans on common carr road & trans rail syst	х	х	EC
485320	Limousine service	45014	Local, school route passenger transportation by bus	х	х	EC
485320	Limousine service	45022	Long-distance passenger transportation by chartered bus	х	х	EC

NAICS	DESCRIPTION	PRCL	DESCRIPTION	N	в	GA
485320	Limousine service	45033	Local passenger	x	x	EC
			transportation by chartered bus			
485410	School and employee bus	45001	Long-dist fixed- route pass trans by	х	х	EC
	transportation		road exc interurb serv netwk			
485410	School and	45002	Long-dist, fixed-	х	х	EC
	employee bus		route pass trans by			
	transportation		road on interurban network			
485410	School and	45011	Local, fixed-route	х	х	EC
	employee bus transportation		pass trans by road, exc school, emp, &			
	-		com car			
485410	School and employee bus	45012	Local, fixed-route emp trans by road,	х	х	EC
	transportation		except common			
485410	School and	45013	carrier			EC
485410	employee bus	45015	Loc, fixed-rte, pass trans on common	х	х	EC
	transportation		carr road & trans			
485410	School and	45014	rail syst Local, school route	x	x	EC
-03410	employee bus	73014	passenger	л	л	EC
	transportation		transportation by			
485410	School and	45020	bus Long-distance	х	х	EC
	employee bus		passenger	-	-	-
	transportation		transportation by road, exc fixed rte			
485410	School and	45021	Long-distance pass	х	х	EC
	employee bus		trans by road, exc			
	transportation		fixed-route, other vehicles			
485410	School and	45022	Long-distance	х	х	EC
	employee bus transportation		passenger transportation by			
			chartered bus			
485410	School and employee bus	45031	Other local passenger	х	х	EC
	transportation		transportation by			
	~		road			20
485410	School and employee bus	45033	Local passenger transportation by	х	х	EC
	transportation		chartered bus			
485410	School and	45040	Long-distance tour		х	EC
	employee bus		packages by bus			
	transportation					
485410	School and	45050	Special needs trans	х	х	EC
	employee bus transportation		serv, incl paratransit, senior			
	*		citizen, etc			
485410	School and employee bus	45083	Trans & ground pass trans - local		х	EC
	transportation		sightseeing tours			
195510		45001	by road			EC
485510	Charter bus industry	45001	Long-dist fixed- route pass trans by	х	х	EC
			road exc interurb			
485510	Charter bus	45002	serv netwk Long-dist, fixed-	х	х	EC
	industry	.2002	route pass trans by	л		20
			road on interurban network			
485510	Charter bus	45011	Local, fixed-route	х	х	EC
	industry		pass trans by road,			
			exc school, emp, & com car			
485510	Charter bus	45012	Local, fixed-route	Х	х	EC
	industry		emp trans by road, except common			
			carrier			
485510	Charter bus	45013	Loc, fixed-rte, pass	х	х	EC
	industry		trans on common carr road & trans			
			rail syst			
			-			

AICS	DESCRIPTION	PRCL	DESCRIPTION	N	в	GA
5 0	Charter bus industry	45014	Local, school route	N X	B X	EC
	5		passenger transpo by			
5510	Charter bus industry	45020	bus Long-distance	х	х	EC
	2		passenger transportation by road,			
			exc fixed rte			
5510	Charter bus industry	45022	Long-distance	х	х	EC
			passenger transportation by			
05510	<u>Cl. ( 1 ) 1 (</u>	45021	chartered bus			FC
85510	Charter bus industry	45031	Other local passenger transportation by road	х	х	EC
			1 2			
85510	Charter bus industry	45033	Local passenger	х	х	EC
			transportation by			
85510	Charter bus industry	45040	chartered bus Long-distance tour		х	EC
			packages by bus			
85510	Charter bus industry	45050	Special needs trans	х	х	EC
			serv, incl paratransit,	-	-	-
85510	Charter bus industry	45083	senior citizen, etc Trans & ground pass		х	EC
	Sharter ous industry	10000	trans - local		А	20
			sightseeing tours by road			
85991	Special needs	45001	Long-dist fixed-route		х	EC
	transportation		pass trans by road exc interurb serv netwk			
85991	Special needs	45002	Long-dist, fixed-route pass trans by road on		х	EC
	transportation		interurban network			
95001	Cassial as- 1-	45011	Loool finad accete a		×-	EC
185991	Special needs transportation	45011	Local, fixed-route pass trans by road, exc		х	EC
	1 ·		school, emp, & com			
485991	Special needs	45012	car Local, fixed-route emp		х	EC
	transportation		trans by road, except			
			common carrier			
485991	Special needs	45013	Loc, fixed-rte, pass	х	х	EC
	transportation		trans on common carr road & trans rail syst			
85991	Special needs	45014	Local, school route	х	х	EC
	transportation		passenger transportation by bus			
85991	Special needs transportation	45021	Long-distance pass trans by road, exc		х	EC
	amsportation		fixed-rte, other			
85991	Special needs	45022	vehicles Long-distance pass	v	х	EC
05991	transportation	43022	transportation by	х	х	EU
	-		chartered bus			
85991	Special needs transportation	45033	Local passenger transportation by	х	х	EC
	amsportation		chartered bus			
485991	Special needs transportation	45040	Long-distance tour		х	EC
	transportation		packages by bus			
485991	Special needs	45050	Special needs trans	х	х	EC
	transportation		serv, incl paratransit, senior citizen, etc			
185999	All other transit and	45001	Long-dist fixed-route	х	х	EC
	ground passenger transportation		pass trans by road exc interurb serv netwk			
485999	All other transit and ground passenger	45002	Long-dist, fixed-rte pass trans by road on	х	х	EC
	transportation		interurban network			
185999	All other transit and	45011	Local, fixed-route pass	х	х	EC
	ground passenger transportation		trans by road, exc school, emp, & com			
	1		car			

NAICS	DESCRIPTION	PRCL	DESCRIPTION	Ν	в	GA
488390	Other support activities for water transportation	43210	Marine salvaging services		х	RC
541310	Architectural services	37101	Development of comprehensive urban plans		х	EC
541310	Architectural services	37102	Development of community urban plans		х	EA
488390	Other support activities for water transportation	43210	Marine salvaging services		х	RC
541310	Architectural services	37101	Development of comprehensive urban plans		х	EC
541310	Architectural services	37102	Development of community urban plans		х	EA
541310	Architectural services	37103	Development of urban plan elements		х	EA
541310	Architectural services	37110	Urban planning advisory services		x	EA
541320	Landscape architectural services	37101	Development of comprehensive urban plans		x	EA
541320	Landscape architectural services	37102	Development of community urban plans		х	EA
541320	Landscape architectural services	37103	Development of urban plan elements		х	EA
541320	Landscape architectural services	37110	Urban planning advisory services		х	EA
541330	Engineering services	38082	Engineering services for mass transit projects	х	х	EC
541330	Engineering services	38091	Eng svcs for water collection, dist, treatment, & disposal proj	х	х	PC
541330	Engineering services	38092	Engineering svcs for municipal waste collection & disposal proj	х	Х	PC
541330	Engineering services	38102	Engineering services for hydropower generating unit projects	х	х	RE
541330	Engineering services	38103	Engineering services for nuclear power generating unit projects		Х	RE
541330	Engineering services	38104	Engineering services for other power generating projects	х	х	RE
541330	Engineering services	38121	Eng svcs industrial waste collection, treatment, & disposal proj	х	х	PC
541330	Engineering services	38122	Engineering services for hazardous waste remediation projects	х	х	PC
541330	Engineering services	38240	Environmental hazard detection services	x	x	EA

NAICE	DESCRIPTION	DDCI	DESCRIPTION	N	в	<b>C</b> A
NAICS 541350	DESCRIPTION Building	PRCL 38240	DESCRIPTION Environmental	N	B	GA EA
541550	inspection services	38240	hazard detection services	х	х	LA
541380	Testing laboratories	39023	Testing services - Water, air, & asbestos	х	х	EA
541380	Testing laboratories	39024	Testing services - Insecticide & pesticide residue	х	х	EA
541380	Testing laboratories	39025	Testing svcs - Waste, including solid & hazardous waste	х	х	EA
541380	Testing laboratories	39026	Testing services - Soil, rock, & sludge	х	х	EA
541380	Testing laboratories	39027	Testing services - Acoustic & noise	х	х	EA
541620	Environmental consulting services	33630	Construction management services	х	x	EA
541620	Environmental consulting services	34910	Information technology (IT) technical consulting services	х	х	EA
541620	Environmental consulting services	38841	Integrated environmental assessments	х	х	EA
541620	Environmental consulting services	38842	Environmental assessments - Air	х	x	EA
541620	Environmental consulting services	38843	Environmental assessments - Water	х	х	EA
541620	Environmental consulting services	38844	Environmental assessments - Soil	х	х	EA
541620	Environmental consulting services	38845	Environmental assessments - Noise	х	х	EA
541620	Environmental consulting services	38851	Integrated environmental audits	х	х	EA
541620	Environmental consulting services	38852	Environmental audits - Air	х	х	EA
541620	Environmental consulting services	38853	Environmental audits - Water	X	X	EA
541620	Environmental consulting services	38854	Environmental audits - Soil	X	X	EA
541620	Environmental consulting services	38855	Environmental audits - Noise	x	х	EA
541620	Environmental consulting services	38861	Integrated site remediation planning services	x	X	EA
541620	Environmental consulting services	38862	Site remediation planning services - Air	х	х	EA
541620	Environmental consulting services	38863	Site remediation planning services - Water	х	х	EA

NAICS	DESCRIPTION	PRCL	DESCRIPTION	Ν	В	GA	NAICS	DESCRIPTION	PRCL	DESCRIPTION	Ν	В	GA
541620	Environmental consulting services	38864	Site remediation planning services - Soil	х	х	EA	541690	Other scientific and technical consulting services	38844	Environmental assessments - Soil	х	х	EA
541620	Environmental consulting services	38865	Site remediation planning services - Noise	х	х	EA	541690	Other scientific and technical consulting services	38845	Environmental assessments - Noise	х	х	EA
541620	Environmental consulting services	38870	Evaluation of environmental studies	х	х	EA	541690	Other scientific and technical consulting services	38861	Integrated site remediation planning services	х	х	EA
541620	Environmental consulting services	38880	Natural resource management consulting services	х	х	EA	541690	Other scientific and technical consulting services	38863	Site remediation planning services - Water	х	х	EA
541620	Environmental consulting services	38891	Hazardous waste management consulting services	х	х	EA	541690	Other scientific and technical consulting services	38864	Site remediation planning services - Soil	х	х	EA
541620	Environmental consulting services	38892	Non-hazardous waste management consulting services	Х	х	EA	541690	Other scientific and technical consulting services	38870	Evaluation of environmental studies	х	х	EA
541620	Environmental consulting services	38900	Environmental policy development consulting services	х	х	EA	541690	Other scientific and technical consulting services	38880	Natural resource management consulting services	х	х	EA
541620	Environmental consulting services	38911	Environmental licensing & permitting services	х	х	EA	541690	Other scientific and technical consulting services	38891	Hazardous waste management consulting services	х	х	EA
541620	Environmental consulting services	38912	Litigation support services - Environmental		х	EA	541690	Other scientific and technical consulting services	38892	Non-hazardous waste management consulting services	х	х	EA
541620	Environmental consulting services	38913	Other environmental consulting services	х	х	EA	541690	Other scientific and technical consulting services	38911	Environmental licensing & permitting services	х	х	EA
541620	Environmental consulting services	38920	Economic consulting services	х	х	EA	541690	Other scientific and technical consulting services	38912	Litigation support services - Environmental		х	EA
541620	Environmental consulting services	38930	Agricultural, fisheries, & biological consulting services		х	EA	541690	Other scientific and technical consulting services	38913	Other environmental consulting services	x	х	EA
541620	Environmental consulting services	38940	Energy, mining, geological, & geophysical consulting services		x	EA	541712	Other physical and biological research	39163	Basic & applied research - Earth & environmental sciences	x	x	EA
541620	Environmental consulting services	38950	Safety & security consulting services	х	х	EA	561710	Exterminating and pest control services	33514	Ventilation duct cleaning services		х	PC
541620	Environmental consulting services	38960	Other scientific & technical consulting services	х	х	EA	561720	Janitorial services	33514	Ventilation duct cleaning services		х	PC
541620	Environmental consulting services	38980	Management consulting services	х	х	EA	561720	Janitorial services	33860	Non-hazardous waste/recyclable mat subcontracted collection srvcs	х	х	PC
541620	Environmental consulting services	39010	Other management services	x	x	EA	561720	Janitorial services	34000	Hazardous waste collection services	х	х	PC
541690	Other scientific and technical consulting services	38841	Integrated environmental assessments	x	x	EA	561730	Landscaping services	33860	Non-hazardous waste/recyclable mat subcontracted collection srvcs	x	x	PC
541690	Other scientific and technical consulting services	38842	Environmental assessments - Air	х	x	EA	561730	Landscaping services	34000	Hazardous waste collection services	х	х	PC
541690	Other scientific and technical consulting services	38843	Environmental assessments - Water	x	x	EA	561740	Carpet and upholstery cleaning services	33514	Ventilation duct cleaning services		X	PC

NAICS 561790	DESCRIPTION Other services to	9RCL 33514	DESCRIPTION Ventilation duct	Ν	B	GA PC
301790	buildings and dwellings	55514	cleaning services		х	PC
561790	Other services to buildings and dwellings	33860	Non-hazardous waste/recyclable mat subcontracted collection srvcs	х	Х	PC
562111	Solid waste collection	33860	Non-hazardous waste/recyclable mat subcontracted collection srvcs	х	х	PC
562111	Solid waste collection	33871	Non-hazardous - waste collection services, residential	х	х	PC
562111	Solid waste collection	33872	Non-hazardous - Recyclable mat collection srvcs, residential	х	х	RC
562111	Solid waste collection	33881	Non-hazardous - Waste collection services, non- residential	х	х	PC
562111	Solid waste collection	33882	Non-haz - Recyclable material collection service, non- residential	х	х	RC
562111	Solid waste collection	33890	Non-haz waste collection service, construction & demolition sites	х	х	PC
562111	Solid waste collection	33911	Other non-haz waste collection - Urban sweeping services	х	х	PC
562111	Solid waste collection	33912	Other non-haz - Waste holding & drain facilities, cleaning/maint	х	Х	PC
562111	Solid waste collection	33913	Septic tank maintenance services	х	х	PC
562111	Solid waste collection	33914	Other non-haz waste collection - Portable toilets rental service	х	х	PC
562111	Solid waste collection	33915	All other non- hazardous waste collection (Incl snowplowing)		х	PC
562111	Solid waste collection	33921	Waste transfer facility services	х	х	PC
562111	Solid waste collection	33922	Recyclable material recovery & preparation services	х	х	RC
562111	Solid waste collection	33930	Non-hazardous waste & recyclable material transportation services		Х	PC
562111	Solid waste collection	33941	Non-hazardous waste disposal services - Waste landfilling service	х	х	PC
562111	Solid waste collection	33942	Non-haz waste disposal services - Waste incineration disposal		Х	PC
562111	Solid waste collection	33943	Non-hazardous waste disposal services - Other	x	x	PC

NAICE	DESCRIPTION	DDCI	DESCRIPTION	М	Р	<b>C</b> A
NAICS 562111	DESCRIPTION Solid waste collection	<b>PRCL</b> 33950	DESCRIPTION Non-hazardous waste or recyclable material brokerage services	N x	B	GA PC
562111	Solid waste collection	33970	Sale of non-haz waste, incl recovered methane & recyclables	х	х	RC
562111	Solid waste collection	33980	Other non- hazardous waste management services	х	х	PC
562111	Solid waste collection	34001	Hazardous waste collection - Subcontracted waste collection	х	х	PC
562111	Solid waste collection	34002	Hazardous waste collection - Waste collection, residential	х	х	PC
562111	Solid waste collection	34003	Hazardous waste collection - Waste collection, non- residential	х	х	PC
562111	Solid waste collection	34010	Hazardous waste & recyclable mat consolidation, storage, & prep	х	х	PC
562111	Solid waste collection	34020	Hazardous waste transportation services		х	PC
562111	Solid waste collection	34033	Waste treatment srvcs for other hazardous waste (Ex waste water)	х	х	PC
562111	Solid waste collection	34041	Hazardous waste disposal - controlled confinement, landfilling	х	х	PC
562111	Solid waste collection	34110	Site remediation services	х	х	PC
562111	Solid waste collection	39509	Non-hazardous waste management equip, leasing or rental services	х	х	PC
562111	Solid waste collection	39646	Resale of merchandise	х	х	PC
562111	Solid waste collection	39744	All other operating receipts	х	х	PC
562112	Hazardous waste collection	33860	Non-hazardous waste/recyclable mat subcontracted collection srvcs	х	х	PC
562112	Hazardous waste collection	33871	Non-hazardous - waste collection services, residential	х	х	PC
562112	Hazardous waste collection	33881	Non-hazardous - Waste collection services, non- residential	х	х	PC
562112	Hazardous waste collection	33882	Non-haz - Recyclable material collection service, non- residential	х	х	RC
562112	Hazardous waste collection	33890	Non-haz waste collection service, construction & demolition sites	х	Х	PC

NAICS	DESCRIPTION	PRCL	DESCRIPTION	Ν	в	GA	NAICS	DESCRIPTION	PRCL	DESCRIPTION	Ν	в	GA
562112	Hazardous waste collection	33911	Other non-haz waste collection - Urban sweeping services	х	х	РС	562112	Hazardous waste collection	34110	Site remediation services	х	х	PC
562112	Hazardous waste collection	33915	All other non- hazardous waste collection (Incl snowplowing)		х	PC	562112	Hazardous waste collection	39511	Hazardous waste management equipment, leasing or rental services	х	х	PC
562112	Hazardous waste collection	33921	Waste transfer facility services	х	х	PC	562112	Hazardous waste collection	39646	Resale of merchandise	х	х	PC
562112	Hazardous waste collection	33922	Recyclable material recovery & preparation svcs	х	х	RC	562112	Hazardous waste collection	39744	All other operating receipts	х	х	PC
562112	Hazardous waste collection	33930	Non-hazardous waste & recyclable material transportation services		х	PC	562119	Other waste collection	33860	Non-hazardous waste/recyclable mat subcontracted collection srvcs	х	х	PC
562112	Hazardous waste collection	33941	Non-hazardous waste disposal services - Waste landfilling service	х	х	РС	562119	Other waste collection	33870	Non-hazardous waste/recyclable mat collection srvcs, residential	х	х	РС
562112	Hazardous waste collection	33942	Non-haz waste disposal services - Waste incineration disposal		х	РС	562119	Other waste collection	33880	Non-haz waste/recyclable mat collection srvcs, non-resid	х	х	РС
562112	Hazardous waste collection	33950	Non-hazardous waste or recyclable material brokerage services	х	х	PC	562119	Other waste collection	33890	Non-haz waste collection service, construction & demolition sites	х	х	PC
562112	Hazardous waste collection	33970	Sale of non-haz waste, incl recovered methane & recyclables	х	х	RC	562119	Other waste collection	33910	Other non- hazardous waste collection services	х	х	PC
562112	Hazardous waste collection	34001	Hazardous waste collection - Subcontracted waste collection	х	х	РС	562119	Other waste collection	33921	Waste transfer facility services	х	х	PC
562112	Hazardous waste collection	34002	Hazardous waste collection - Waste collection, resid.	х	х	PC	562119	Other waste collection	33930	Non-hazardous waste & recyclable material transpsvcs		х	PC
562112	Hazardous waste collection	34003	Hazardous waste collection - Waste collection, non- residential	х	х	PC	562119	Other waste collection	33940	Non-hazardous waste disposal services	х	х	PC
562112	Hazardous waste collection	34005	Hazardous waste collection - Waste holding fac cleaning/removal	х	х	PC	562119	Other waste collection	33950	Non-hazardous waste or recyclable material brokerage services	х	х	PC
562112	Hazardous waste collection	34010	Hazardous waste & recyclable mat consolidation, storage, & prep	х	х	PC	562119	Other waste collection	33970	Sale of non-haz waste, incl recovered methane & recyclables	Х	х	RC
562112	Hazardous waste collection	34020	Hazardous waste transportation services		х	PC	562119	Other waste collection	33980	Other non- hazardous waste management svcs	х	х	PC
562112	Hazardous waste collection	34033	Waste treatment srvcs for other hazardous waste (Ex waste water)	х	х	РС	562119	Other waste collection	34003	Hazardous waste collection - Waste collection, non- residential	Х	х	РС
562112	Hazardous waste collection	34041	Hazardous waste disposal - controlled confinement, landfilling	х	x	PC	562119	Other waste collection	34020	Hazardous waste transportation services		х	PC
562112	Hazardous waste collection	34042	Hazardous waste disposal - controlled confinement, ex landfilling	х	х	РС	562119	Other waste collection	34050	Hazardous waste brokerage services	х	х	РС
562112	Hazardous waste collection	34043	Hazardous waste disposal services by other methods	х	х	PC	562119	Other waste collection	34110	Site remediation services	х	х	PC
562112	Hazardous waste collection	34050	Hazardous waste brokerage services	х	х	PC	562119	Other waste collection	39500	Rental or lease of goods and/or equi	х	x	PC
562112	Hazardous waste collection	34070	Other hazardous waste management services	х	х	PC	562119	Other waste collection	39646	Resale of merchandise	х	х	PC

562119	DESCRIPTION Other waste	9RCL 39700	DESCRIPTION All other operating	N	B	G/ PC
562119	collection	39700	receipts	х	х	PC
562211	Hazardous waste treatment and disposal	33860	Non-hazardous waste/recyclable mat subcontracted collection srvcs	х	x	PC
562211	Hazardous waste treatment and disposal	33871	Non-hazardous - waste collection services, residential	х	х	PC
562211	Hazardous waste treatment and disposal	33872	Non-hazardous - Recyclable mat collection srvcs,res	х	х	RC
562211	Hazardous waste treatment and disposal	33881	Non-hazardous - Waste collection services, non- residential	х	х	PC
562211	Hazardous waste treatment and disposal	33882	Non-haz - Recyclable material collection service, non-resid	х	х	RC
562211	Hazardous waste treatment and disposal	33890	Non-haz waste collection service, construction & demolition sites	х	Х	PC
562211	Hazardous waste treatment and disposal	33910	Other non- hazardous waste collection services	х	х	РС
562211	Hazardous waste treatment and disposal	33921	Waste transfer facility services	х	х	PC
562211	Hazardous waste treatment and disposal	33922	Recyclable material recovery & preparation services	х	х	RC
562211	Hazardous waste treatment and disposal	33930	Non-hazardous waste & recyclable material transpsvcs		х	PC
562211	Hazardous waste treatment and disposal	33941	Non-hazardous waste disposal services - Waste landfilling service	х	х	PC
562211	Hazardous waste treatment and disposal	33942	Non-haz waste disposal services - Waste incineration disposal		х	PC
562211	Hazardous waste treatment and disposal	33943	Non-hazardous waste disposal services - Other	х	х	PC
562211	Hazardous waste treatment and disposal	33950	Non-hazardous waste or recyclable material brokerage services	х	х	PC
562211	Hazardous waste treatment and disposal	33960	Non-hazardous waste energy generation services	х	х	RE
562211	Hazardous waste treatment and disposal	33970	Sale of non-haz waste, incl recovered methane & recyclables	х	х	RC
562211	Hazardous waste treatment and disposal	33980	Other non- hazardous waste management svcs	х	х	PC
562211	Hazardous waste treatment and disposal	34001	Hazardous waste collection - Subcontracted waste collection	х	х	PC
562211	Hazardous waste treatment and disposal	34002	Hazardous waste collection - Waste collection, resid	х	х	PC
562211	Hazardous waste treatment and disposal	34003	Hazardous waste collection - Waste collection, non-res	х	Х	PC

NAICS	DESCRIPTION	PRCL	DESCRIPTION	N	в	GA
562211	Hazardous waste	34010	Hazardous waste &	х	x	PC
	treatment and disposal		recyclable mat consolidation,			
	uisposai		storage, & prep			
562211	Hazardous waste treatment and	34020	Hazardous waste transportation		х	PC
	disposal		services			
5(0011		24621				DC
562211	Hazardous waste treatment and	34031	Hazardous waste treatment services -	х	Х	PC
	disposal		biological-infectious			
5(2211	<b>XX</b> 1	2.1022	waste			D.C.
562211	Hazardous waste treatment and	34032	Hazardous waste treatment services -	х	Х	PC
	disposal		radioactive waste			
562211	Hazardous waste	34033	Waste treatment	х	х	PC
	treatment and disposal		srvcs for other hazardous waste (Ex			
	-		waste water)			
562211	Hazardous waste	34041	Hazardous waste	х	х	PC
	treatment and disposal		disposal - controlled confinement,			
			landfilling			
562211	Hazardous waste treatment and	34042	Hazardous waste disposal -controlled	х	Х	PC
	disposal		confinement, ex			
	•		landfilling			
562211	Hazardous waste	34043	Hazardous waste	х	х	PC
	treatment and disposal		disposal services by other methods			
562211	Hazardous waste	34050	Hazardous waste	x	х	PC
	treatment and		brokerage services			
562211	disposal Hazardous waste	34060	Hazardous waste	x	х	RE
	treatment and	2.500	energy generation			
	disposal		services			
562211	Hazardous waste	34070	Other hazardous	x	х	PC
	treatment and		waste management			
562211	disposal Hazardous waste	34110	services Site remediation	x	х	PC
	treatment and		services			
	disposal					
562211	Hazardous waste	39509	Non-hazardous	х	х	PC
	treatment and		waste management			
	disposal		equip, leasing or rental services			
562211	Hazardous waste	39511	Hazardous waste	х	х	PC
	treatment and		management			
	disposal		equipment, leasing or rental services			
562211	Hazardous waste	39646	Resale of	х	х	PC
	treatment and disposal		merchandise			
	uisposai					
562211	Hazardous waste	39744	All other operating	х	х	PC
	treatment and		receipts			
562212	disposal Solid waste landfill	22060	Non hozardova	**	<b>T</b>	PC
562212	Sond waste landfill	33860	Non-hazardous waste/recyclable mat	х	х	rt
			subcontracted			
562212	Solid waste landfill	33871	collection srvcs Non-hazardous -	х	x	PC
202212	Sone waste fanunni	550/1	waste collection	л	л	10
560010	Calidare to 1 1021	33872	services, resid			P.C.
562212	Solid waste landfill	338/2	Non-hazardous - Recyclable mat	х	х	RC
			collection srvcs,			
562212	Solid waste landfill	33881	residential Non-hazardous -	х	x	PC
302212	Song waste fangnil	33061	Waste collection	х	х	rt
			services, non-resid			
562212	Solid waste landfill	33882	Non-haz - Recyclable material	х	х	RC
			Recyclable material collection service,			
			non-resid			

NAICS	DESCRIPTION	PRCL	DESCRIPTION	Ν	в	GA	NAICS	DESCRIPTION	PRCL	DESCRIPTION	Ν	в	GA
562212	Solid waste landfill	33890	Non-haz waste collection service, construction & demolition sites	х	х	PC	562213	Solid waste combustors and incinerators	33941	Non-hazardous waste disposal services - Waste landfilling service	х	х	PC
562212	Solid waste landfill	33912	Other non-haz - Waste holding & drain facilities, cleaning/maint	х	х	PC	562213	Solid waste combustors and incinerators	33942	Non-haz waste disposal services - Waste incineration disposal		х	PC
562212	Solid waste landfill	33913	Septic tank maintenance services	х	х	PC	562213	Solid waste combustors and incinerators	33960	Non-hazardous waste energy generation services	х	х	RE
562212	Solid waste landfill	33914	Other non-haz waste collection - Portable toilets rental service	х	х	PC	562213	Solid waste combustors and incinerators	34020	Hazardous waste transportation services		х	PC
562212	Solid waste landfill	33915	All other non- hazardous waste collection (Incl snowplowing)		х	РС	562213	Solid waste combustors and incinerators	34043	Hazardous waste disposal services by other methods	х	х	PC
562212	Solid waste landfill	33921	Waste transfer facility services	х	х	PC	562213	Solid waste combustors and incinerators	39646	Resale of merchandise		х	PC
562212	Solid waste landfill	33922	Recyclable material recovery & preparation services	х	x	RC	562219	Other nonhazardous waste treatment and disposal	33881	Non-hazardous - Waste collection services, non- residential	х	х	PC
562212	Solid waste landfill	33930	Non-hazardous waste & recyclable material transportation svcs		х	PC	562219	Other nonhazardous waste treatment and disposal	33882	Non-haz - Recyclable material collection service, non-resid	х	х	RC
562212	Solid waste landfill	33941	Non-hazardous waste disposal services - Waste landfilling service	х	х	PC	562219	Other nonhazardous waste treatment and disposal	33890	Non-haz waste collection service, construction & demolition sites	х	х	PC
562212	Solid waste landfill	33943	Non-hazardous waste disposal services - Other	х	х	PC	562219	Other nonhazardous waste treatment and disposal	33912	Other non-haz - Waste holding & drain facilities, cleaning/maint	х	х	PC
562212	Solid waste landfill	33960	Non-hazardous waste energy generation services	х	х	RE	562219	Other nonhazardous waste treatment and disposal	33915	All other non- hazardous waste collection (Incl snowplowing)		х	PC
562212	Solid waste landfill	33970	Sale of non-haz waste, incl recovered methane & recyclables	х	х	RC	562219	Other nonhazardous waste treatment and disposal	33922	Recyclable material recovery & preparation services	х	х	RC
562212	Solid waste landfill	33980	Other non- hazardous waste management services	х	х	PC	562219	Other nonhazardous waste treatment and disposal	33930	Non-hazardous waste & recyclable material transportation svcs		х	PC
562212	Solid waste landfill	34041	Hazardous waste disposal - controlled confinement, landf	х	х	РС	562219	Other nonhazardous waste treatment and disposal	33941	Non-hazardous waste disposal services - Waste landfilling service	х	х	PC
562212	Solid waste landfill	34043	Hazardous waste disposal services by other methods	х	х	PC	562219	Other nonhazardous waste treatment and disposal	33942	Non-haz waste disposal services - Waste incineration disposal		х	PC
562212	Solid waste landfill	39509	Non-hazardous waste management equip, leasing or rental services	х	х	РС	562219	Other nonhazardous waste treatment and disposal	33943	Non-hazardous waste disposal services - Other	х	х	PC
562212	Solid waste landfill	39646	Resale of merchandise	х	х	РС	562219	Other nonhazardous waste treatment and disposal	33950	Non-hazardous waste or recyclable material brokerage services	х	х	PC
562212	Solid waste landfill	39744	All other operating receipts	х	х	PC	562219	Other nonhazardous waste treatment and disposal	33970	Sale of non-haz waste, incl recovered methane & recyclables	х	х	RC
562213	Solid waste combustors and incinerators	33922	Recyclable material recovery & preparation services	х	х	RC	562219	Other nonhazardous waste treatment and disposal	33980	Other non- hazardous waste management services	х	х	PC
562213	Solid waste combustors and incinerators	33930	Non-hazardous waste & recyclable material transportation svcs		х	РС	562219	Other nonhazardous waste treatment and disposal	39700	All other operating receipts	х	х	PC

NAICS	DESCRIPTION	PRCL	DESCRIPTION	Ν	В	GA	NAICS	DESCRIPTION	PRCL	DESCRIPTION	Ν	В	GA
562910	Remediation services	33870	Non-hazardous waste/recyclable mat collection srvcs, residential	х	х	РС	562910	Remediation services	34122	Building remediation services - lead paint contamination	х	х	PC
562910	Remediation services	33880	Non-haz waste/recyclable mat collection srvcs, non-resid	х	х	PC	562910	Remediation services	34123	Building remediation services - radon contamination	х	х	PC
562910	Remediation services	33912	Other non-haz - Waste holding & drain facilities, cleaning/maint	х	х	PC	562910	Remediation services	34124	Building remediation services - other contamination	х	х	РС
562910	Remediation services	33913	Septic tank maintenance services	х	х	РС	562910	Remediation services	34130	Other remediation services, excluding building & site remediation	x	x	PC
562910	Remediation services	33914	Other non-haz waste collection - Portable toilets rental service	х	х	РС	562910	Remediation services	34170	Environmental consulting services	x	х	EA
562910	Remediation services	33915	All other non- hazardous waste collection (Incl snowplowing)		х	РС	562910	Remediation services	39647	Resale of merchandise	х	х	PC
562910	Remediation services	33921	Waste transfer facility services	х	х	PC	562910	Remediation services	39745	All other operating receipts	х	х	PC
562910	Remediation services	33922	Recyclable material recovery & preparation services	х	х	RC	562920	Materials recovery facilities	33870	Non-hazardous waste/recyclable mat collection srvcs, residential	х	х	RC
562910	Remediation services	33930	Non-hazardous waste & recyclable material transportation services		х	РС	562920	Materials recovery facilities	33880	Non-haz waste/recyclable mat collection srvcs, non- residential	х	х	RC
562910	Remediation services	33950	Non-hazardous waste or recyclable material brokerage services	х	х	РС	562920	Materials recovery facilities	33910	Other non- hazardous waste collection services	х	х	RC
562910	Remediation services	33970	Sale of non-haz waste, incl recovered methane & recyclables	х	х	RC	562920	Materials recovery facilities	33921	Waste transfer facility services	х	х	RC
562910	Remediation services	34111	Site assessment services	х	х	EA	562920	Materials recovery facilities	33922	Recyclable material recovery & preparation services	х	х	RC
562910	Remediation services	34112	Site remediation planning services	х	x	EA	562920	Materials recovery facilities	33930	Non-hazardous waste & recyclable material transportation services		х	PC
562910	Remediation services	34113	Site remediation clean-up services, air	х	х	РС	562920	Materials recovery facilities	33950	Non-hazardous waste or recyclable material brokerage services	х	х	RC
562910	Remediation services	34114	Site remediation clean-up services, water	х	х	РС	562920	Materials recovery facilities	33970	Sale of non-haz waste, incl recovered methane & recyclables	х	х	RC
562910	Remediation services	34115	Site remediation clean-up services, soil	х	х	PC	562920	Materials recovery facilities	34114	Site remediation clean-up services, water	х	х	PC
562910	Remediation services	34116	Other site remediation clean-	х	х	PC	562920	Materials recovery facilities	34115	Site remediation clean-up services,	х	х	PC
562910	Remediation services	34117	up services Site remediation services - Control, containment, & monitoring	х	х	PC	562920	Materials recovery facilities	34117	soil Site remediation services - Control, containment, & monitoring	x	x	PC
562910	Remediation services	34118	Other site remediation services, excluding clean-up services	x	х	PC	562920	Materials recovery facilities	39647	Resale of merchandise	х	х	RC
562910	Remediation services	34121	Building remediation - asbestos contam	х	х	РС	562920	Materials recovery facilities	39745	All other operating receipts	х	х	RC

NAICS	DESCRIPTION	PRCL	DESCRIPTION	Ν	в	GA	NAICS	DESCRIPTION	PRCL	DESCRIPTION	Ν	в	GA
562991	Septic tank and related services	33870	Non-hazardous waste/recyclable mat collection srvcs, residential	х	х	PC	562998	All other miscellaneous waste management services	33870	Non-hazardous waste/recyclable mat collection srvcs, residential	х	х	PC
562991	Septic tank and related services	33880	Non-haz waste/recyclable mat collection srvcs, non-residen	х	х	PC	562998	All other miscellaneous waste management services	33880	Non-haz waste/recyclable mat collection srvcs, non- residen	х	х	PC
562991	Septic tank and related services	33912	Other non-haz - Waste holding & drain facilities, cleaning/maint	х	х	PC	562998	All other miscellaneous waste management services	33911	Other non-haz waste collection - Urban sweeping services	х	х	PC
562991	Septic tank and related services	33913	Septic tank maintenance services	х	х	PC	562998	All other miscellaneous waste management services	33912	Other non-haz - Waste holding & drain facilities, cleaning/maint	х	х	PC
562991	Septic tank and related services	33914	Other non-haz waste collection - Port toilets rental	х	х	PC	562998	All other miscellaneous waste management svcs	33913	Septic tank maintenance services	х	х	PC
562991	Septic tank and related services	33915	All other non- hazardous waste collection (Incl snowplowing)		х	PC	562998	All other miscellaneous waste management services	33914	Other non-haz waste collection - Portable toilets rental service	х	х	PC
562991	Septic tank and related services	33921	Waste transfer facility services	х	х	PC	562998	All other miscellaneous waste management services	33915	All other non- hazardous waste collection (Incl snowplowing)		х	PC
562991	Septic tank and related services	33922	Recyclable material recovery & preparation services	х	х	RC	562998	All other miscellaneous waste management services	33921	Waste transfer facility services	х	х	PC
562991	Septic tank and related services	33930	Non-hazardous waste & recyclable material transportation svcs		х	PC	562998	All other miscellaneous waste management svcs	33930	Non-hazardous waste & recyclable material transportation svcs		х	PC
562991	Septic tank and related services	33970	Sale of non-haz waste, incl recovered methane & recyclables	х	х	RC	562998	All other miscellaneous waste management services	33970	Sale of non-haz waste, incl recovered methane & recyclables	х	х	RC
562991	Septic tank and related services	34111	Site assessment services	х	х	EA	562998	All other miscellaneous waste management services	34111	Site assessment services	х	х	EA
562991	Septic tank and related services	34114	Site remediation clean-up services, water	х	х	PC	562998	All other miscellaneous waste management services	34114	Site remediation clean-up services, water	х	х	PC
562991	Septic tank and related services	34115	Site remediation clean-up services, soil	х	х	PC	562998	All other miscellaneous waste management services	34115	Site remediation clean-up services, soil	х	х	PC
562991	Septic tank and related services	34116	Other site remediation clean- up services	х	х	PC	562998	All other miscellaneous waste management services	34116	Other site remediation clean-up services	х	х	PC
562991	Septic tank and related services	34117	Site remediation services - Control, containment, & monitoring	х	х	PC	562998	All other miscellaneous waste management services	34118	Other site remediation services, excluding clean-up services	х	х	PC
562991	Septic tank and related services	34118	Other site remediation services, excluding clean-up services	х	х	PC	562998	All other miscellaneous waste management services	34130	Other remediation services, excluding building & site remediation	х	х	PC
562991	Septic tank and related services	34130	Other remediation services, excluding building & site remediation	х	х	PC	562998	All other miscellaneous waste management services	39647	Resale of merchandise	х	х	PC
562991	Septic tank and related services	34170	Environmental consulting services	х	х	EA	562998	All other miscellaneous waste manage svcs	39745	All other operating receipts	х	x	PC
562991	Septic tank and related services	39647	Resale of merchandise	х	х	PC	611620	Sports and recreation instruction	30039	Training prog/courses - Agriculture, natural rsrcs, & conservation		х	EA
562991	Septic tank and related services	39745	All other operating receipts	х	х	PC	611699	All other miscellaneous schools and instruction	30039	Training prog/courses - Agriculture, natural rsrcs, & conservation		х	EA

NAICS	DESCRIPTION	PRCL	DESCRIPTION	Ν	В	GA
611710	Educational	30039	Training		х	EA
	support services		prog/courses - Agriculture,			
			natural rsrcs, &			
			conservation			
712120	Historical sites	31060	Conservation	х	х	RC
			services			
510100	7 11 . 1 1	20000				DC
712130	Zoos and botanical gardens	30900	Admissions to live performing arts		х	RC
	Burdono		performances			
712130	Zoos and botanical	30963	Admissions to			RC
/12150	gardens	30903	botanical gardens		х	ĸĊ
	8					
712130	Zoos and botanical	30964	Admissions to		х	RC
	gardens		zoological &			
712130	Zoos and botanical	30980	similar institutions Traveling exhibits		х	RC
/12150	gardens	50980	Travening exhibits		л	ĸc
	0					
712130	Zoos and botanical	30990	Guided tours &		x	RC
,12100	gardens	20000	educative services		А	
712130	7 11	21000	0.1			D.C
712130	Zoos and botanical gardens	31000	School visits, children's parties &		х	RC
	Burdono		similar children's			
510100	7 11 . 1 1	21010	programs			DG
712130	Zoos and botanical gardens	31010	Overnight recreational camps		х	RC
	5		recreational camps			
712130	Zoos and botanical	31020	Academic trips &		х	RC
	gardens		tours			
712130	Zoos and botanical	31030	Packaged tours,		х	RC
,12100	gardens	51050	with a cultural,			
			historic, or natural			
			theme			
712130	Zoos and botanical gardens	31050	Admissions to film exhibitions		х	RC
	gurdens		exhibitions			
712130	Zoos and botanical	31060	Conservation	х	х	RC
	gardens		services			
712130	Zoos and botanical	31250	Advertising		х	RC
,12100	gardens	01200	services			ne
710100		21200	m · · · ·			<b>n</b> ~
712130	Zoos and botanical gardens	31380	Training services		х	RC
712130	Zoos and botanical	32510	Membership		х	RC
	gardens		services			
712130	Zoos and botanical	39900	Contributions,		х	RC
	gardens		gifts, & grants -			
			Government			
712130	Zoos and botanical	39910	Contributions,		х	RC
/12130	gardens	37710	gifts, & grants -		л	лU
			Private			
712190	Nature parks and	30900	Admissions to live	х	х	RC
	other similar institutions		performing arts performances			
			•			
712190	Nature parks and	30965	Admissions to	х	х	RC
	other similar institutions		nature parks & other natural areas			

	DEGODIDION	DDOI	DECODIDITION		-	~
<b>NAICS</b> 712190	DESCRIPTION Nature parks and other similar institutions	<b>PRCL</b> 30980	DESCRIPTION Traveling exhibits	N x	B	GA RC
712190	Nature parks and other similar institutions	30990	Guided tours & educative services	х	х	RC
712190	Nature parks and other similar institutions	31000	School visits, children's parties & similar children's programs	х	х	RC
712190	Nature parks and other similar institutions	31010	Overnight recreational camps	х	х	RC
712190	Nature parks and other similar institutions	31020	Academic trips & tours	х	х	RC
712190	Nature parks and other similar institutions	31030	Packaged tours, with a cultural, historic, or natural theme	х	х	RC
712190	Nature parks and other similar institutions	31050	Admissions to film exhibitions	Х	х	RC
712190	Nature parks and other similar institutions	31060	Conservation services	х	х	RC
712190	Nature parks and other similar institutions	31250	Advertising services	х	х	RC
712190	Nature parks and other similar institutions	31380	Training services	х	х	RC
712190	Nature parks and other similar institutions	32510	Membership services	х	х	RC
712190	Nature parks and other similar institutions	39900	Contributions, gifts, & grants - Government	х	х	RC
712190	Nature parks and other similar institutions	39910	Contributions, gifts, & grants - Private	х	х	RC
811111	General automotive repair	31781	Other repair for cars & light trucks - Muffler/exhaust repair	х	х	PC
811111	General automotive repair	31890	Regulatory safety inspections/emission testing for road vehicles		х	EA
811112	Automotive exhaust system repair	31781	Other repair for cars & light trucks - Muffler/exhaust repair	х	х	PC
811112	Automotive exhaust system repair	31890	Regulatory safety inspections/emission testing for road vehicles		х	EA
811113	Automotive transmission repair	31781	Other repair for cars & light trucks - Muffler/exhaust repair	x	х	PC
811113	Automotive transmission repair	31890	Regulatory safety inspections/emission testing for road vehicles		х	EA
811118	Other automotive mechanical and elec. repair	31781	Other repair for cars & light trucks - Muffler/exhaust repair	х	х	PC

NAICS	DESCRIPTION	PRCL	DESCRIPTION	Ν	в	GA	NAICS	DESCRIPTION	PRCL	DESCRIPTION	Ν	в	GA
811118	Other automotive mechanical and elec. repair	31890	Regulatory safety inspections/emission testing for road vehicles		х	EA	813312	Environment, conservation and wildlife organizations	32510	Membership services	х	х	RC
811121	Automotive body, paint, and interior repair and maintenance	31781	Other repair for cars & light trucks - Muffler/exhaust repair	X	X	PC	813312	Environment, conservation and wildlife organizations	32520	Publishing directories, periodicals, & books	x	х	RC
811121	Automotive body, paint, and interior repair and maintenance	31890	Regulatory safety inspections/emission testing for road vehicles		х	EA	813312	Environment, conservation and wildlife organizations	32540	Social assistance	х	х	RC
811122	Automotive glass replacement shops	31781	Other repair for cars & light trucks - Muffler/exhaust repair	х	х	PC	813312	Environment, conservation and wildlife organizations	39401	Licensing of rights to intellectual prop - Protected by copyright	x	x	RC
811122	Automotive glass replacement shops	31890	Regulatory safety inspections/emission testing for road vehicles		X	EA	813312	Environment, conservation and wildlife organizations	39403	Licensing of rights to use intell prop - Protected by trademark	x	х	RC
811191	Automotive oil change and lubrication shops	31781	Other repair for cars & light trucks - Muffler/exhaust repair	х	X	PC	813312	Environment, conservation and wildlife organizations	39460	Meals & bev, prepared/served/dispensed, for immediate consumption	х	х	RC
811191	Automotive oil change and lubrication shops	31890	Regulatory safety inspections/emission testing for road vehicles		x	EA	813312	Environment, conservation and wildlife organizations	39695	Resale of merchandise	х	x	RC
811192	Car washes	31781	Other repair for cars & light trucks - Muffler/exhaust repair	X	X	PC	813312	Environment, conservation and wildlife organizations	39700	All other operating receipts	х	х	RC
811192	Car washes	31890	Regulatory safety inspections/emission testing for road vehicles		x	EA	813312	Environment, conservation and wildlife organizations	39900	Contributions, gifts, & grants - Government	x	x	RC
811198	All other automotive repair and maintenance	31781	Other repair for cars & light trucks - Muffler/exhaust repair	х	x	PC	813312	Environment, conservation and wildlife organizations	39910	Contributions, gifts, & grants - Private	x	х	RC
811198	All other automotive repair and maintenance	31890	Regulatory safety inspections/emission testing for road vehicles		X	EA	813312	Environment, conservation and wildlife organizations	39920	Investment income, including interest & dividends	x	x	RC
813312	Environment, conservation and wildlife organizations	31250	Advertising services	х	х	RC	813312	Environment, conservation and wildlife organizations	39930	Gains (losses) from assets sold	x	x	RC
							813312	Environment, conservation and wildlife organizations	39960	All other revenue	х	х	RC





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