



# oesa

## OCEAN ECONOMY SATELLITE ACCOUNT

The global ocean economy is projected to double in size by 2030. The **National Oceanic and Atmospheric Administration (NOAA)** is uniquely positioned to support the nation's competitiveness in these areas and grow the U.S. economy. The **OCEAN ECONOMY SATELLITE ACCOUNT (OESA)** will produce the data needed by businesses, industry organizations, and government agencies to measure and grow the U.S. ocean economy.

**OESA** provides time-series data that businesses and industry groups can use to:

- Make investment decisions
- Identify new and growing markets

**OESA** measures all U.S. economic activity directly dependent on the oceans, coasts and Great Lakes, including activities that:

- Use ocean resources as an input (for example, commercial fishing)
- Produce products and services for use in the marine environment (for example, ship building)
- Depend on the ocean because of geographic proximity (for example, beachfront hotels, and warehouses that serve seaports)

### OESA Main Group

Construction  
Electricity Generation  
Government  
Living Resources  
Minerals  
Research and Education  
Professional and Technical Services  
Ship and Boat Building  
Transportation  
Tourism and Recreation





## APPROACH

**NOAA**, in partnership with the **Bureau of Economic Analysis (BEA)**, is developing the **OESA** using the data and infrastructure that measure the nation's gross domestic product. **NOAA** is working with experts from around the world to ensure consistency with the emerging international consensus on how to define and measure the ocean economy. The U.S. "ocean" economy also includes marine activity in the Great Lakes, the Chesapeake Bay, Puget Sound, and international seaports such as Portland, Oregon, and Baton Rouge, Louisiana, that are located miles from the coast.

## STATUS AND NEXT STEPS

- **2016-2018:** Define ocean economy; produce national-level experimental statistics for 2014-2016.
- **2019:** Vet experimental statistics; produce national-level prototype statistics for 2014- 2017.
- **2020:** Generate refined national-level statistics for 2014-2018; initiate research for state- level statistics.
- **2021:** Generate refined national and state-level statistics for 2014-2019; develop web- based tools to facilitate the use and interpretation of data.
- **2022 and future years:** Refine national and state-level statistics and produce new data for an additional year.

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## OCEAN ECONOMY SATELLITE ACCOUNT

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# Ocean Economy Satellite Account - Experimental Results by Sector

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## Ocean Economy Satellite Account - Experimental Results Construction

The Ocean Economy Satellite Account (OESA) produces the economic data needed by businesses, industry organizations, and government agencies to measure and grow the U.S. ocean economy. For more information on economic terms, see [www.bea.gov/help/glossary](http://www.bea.gov/help/glossary).

### Estimating Ocean-Dependence

Activity	Item Description	Ocean Portion	Method Used to Estimate the Ocean Portion
<b>Federal Government Construction</b>	New conservation and development structures - federal	43% purchases by government	The ocean portion of these items is estimated by dividing the sum of the ocean and coastal related activities, such as beach nourishment, harbor dredging, and federal beach reclamation, by the U.S. total for these activities (Data Source: U.S. Army Corps of Engineers Analysis of Dredging Costs, Study of Developed Shorelines Master Database)
	Conservation & development facilities repair & maintenance construction - federal	<1% purchases by government	
<b>State and Local Government Construction</b>	New conservation and development structures - state & local	34% purchases by government	The ocean portion of these items is estimated by dividing the sum of the ocean and coastal related activities, such as habitat restoration and beach reclamation, by the U.S. total for these activities (Data Source: NOAA Habitat Restoration Expenditures, Chesapeake Bay Program Expenditures, Everglades Restoration USACE Budget, CWPPRA Expenditures, Study of Developed Shorelines Master Database)
	Conservation & development facilities repair & maintenance construction - state & local	<1% purchases by government	
<b>Marine Construction Planning and Designing</b>	Landscape Architectural Services	To be determined	To be determined

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# Ocean Economy Satellite Account - Experimental Results

## Electricity Generation

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### Estimating Ocean-Dependence

Activity	Item Description	Ocean Portion	Method Used to Estimate the Ocean Portion
<b>Electric Power Generation</b>	Electric power generation <sup>1</sup>	5% of non-final demand sales to other businesses	The ocean portion of this item is estimated by dividing the total megawatt hour (Mwh) generation in plants in shore-adjacent Zip Codes areas by the U.S. total megawatt hour (Data Source: Energy Information Administration Annual Electric Generation by Facility)
<b>Nuclear Electric Power Generation</b>	Nuclear electric power generation	To be determined	To be determined
<b>Other Electric Power Generation</b>	Other electric power generation	To be determined	To be determined
<b>Electric Power Distribution</b>	Electric power distribution	To be determined	To be determined

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<sup>1</sup> Might include coastal thermoelectric coal and natural gas plants using ocean and Great Lakes water for cooling.

## Ocean Economy Satellite Account - Experimental Results Government

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### Estimating Ocean-Dependence

Activity	Item Description	Ocean Portion	Method Used to Estimate the Ocean Portion
<b>Federal Government - Defense</b>	Federal defense government services	1% of purchases by government	The ocean portion of this item is estimated by dividing the sum of ship depot maintenance and defense activities by the U.S. total for this item (Data Source: BEA Input-Output Accounts)
<b>Federal Government Defense - Indirect</b>	Ammunition, except small arms	To be determined	To be determined
	Other ordnance and accessories manufacturing		
	U.S. Coast Guard, Navy, and Marine auxiliary controls and accessories		
<b>Federal Government - Nondefense</b>	Federal nondefense government services	3% of purchases by government	The ocean portion of this item is estimated by dividing the sum of federal non-defense activities (not accounted for elsewhere) by the U.S. total for this item (Data Source: FOCAR Report 2015, BEA Input-Output Accounts)
<b>State and Local Government</b>	State and local public highway government services	To be determined	To be determined
	State and local agriculture and natural resources		
	State and local parks and recreation		
	State and local other general government services		

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## Ocean Economy Satellite Account - Experimental Results Living Resources

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### Estimating Ocean-Dependence

Activity	Item Description	Ocean Portion	Method Used to Estimate the Ocean Portion
<b>Commercial Fishing</b>	Commercial fishing and aquaculture	99% of sales to consumers, exports, and imports; 72% of non-final demand sales to other businesses	The ocean portion of this item is based on the commercial fishing and aquaculture data included in the model, almost all of which are marine fresh/frozen fish directly off the boats or wild shellfish harvest (Data Source: BEA Input-Output Accounts, NOAA Fisheries Commercial Fisheries Landing Statistics, Fisheries of the U.S. 2015 report); The ocean portion of the “non-final demand sales to other businesses” of this item is also scaled back to avoid double counting the values of fish that consumed by seafood process activities (Data Source: BEA Input-Output Accounts)
<b>Aquaculture Equipment</b>	Farm machinery and equipment manufacturing	To be determined	To be determined
<b>Marine Pharmaceuticals</b>	Pharmaceutical preparation manufacturing	To be determined	To be determined
	Pharmaceutical preparation manufacturing - Research and Development		
<b>Other Living Resources Products</b>	Animal and marine feed and fertilizer byproducts	50% of sales to consumers and non-final demand sales to other businesses	The ocean portion of this item is estimated by dividing the Fish Meal and Oil Production values by the total output value for Animal and Marine Feed and Fertilizer By-product industry (Data Source: BEA Industry Account and Fisheries of the Fisheries of the U.S. 2015 report)

Activity	Item Description	Ocean Portion	Method Used to Estimate the Ocean Portion
<b>Seafood Processing</b>	Prepared fresh fish and other fresh seafood	95% of sales to consumers; 99% of exports; 90% of imports; 54% of non-final demand sales to other businesses	The ocean portion of seafood imports is estimated by dividing the sum of marine fish imports from commercial harvests and aquaculture by the total seafood imports (Data Source: Fisheries of the U.S. 2015 report and USDA Aquaculture Census); Almost all commercial fish exports in the U.S. are ocean related, since most of the commercial fishing in the U.S. are ocean related (Data Source: NOAA Fisheries Commercial Fisheries Landing Statistics, Fisheries of the U.S. 2015 report); The ocean portion of the seafood domestic production is estimated by dividing the sum of marine species production values by the total production values (Data Source: NOAA Fisheries Commercial Fisheries Landing Statistics, Fisheries of the U.S. 2015 report); The ocean portion of the seafood domestic consumption is estimated by the sum of ocean-related domestic production and imports, deducted by ocean-related exports (Data Source: Fisheries of the U.S. 2015 report)
	Fresh and frozen seafood processing		
	Prepared frozen fish, shellfish, and other prepared frozen seafood - not elsewhere classified		
	Canned and cured fish and other seafood, including soup (except frozen seafoods)	94% of sales to consumers; 99% of exports; 90% of imports	
	Seafood product preparation and packaging	95% of sales to consumers; 99% of exports; 90% of imports; 55% of non-final demand sales to other businesses	
<b>Fish and Seafood Markets</b>	Wholesale trade, general line grocery and packaged frozen food	To be determined	To be determined
	Wholesale trade - fish and seafood	90% of sales to consumers	The ocean portion for seafood market is estimated as the sum of the domestic production (almost all are ocean-related) and imports of the ocean-related species from either commercial harvest or aquaculture (Data Source: NOAA Fisheries Commercial Fisheries Landing Statistics, Fisheries of the U.S. 2015 report, USDA Aquaculture Census).
	Retail Trade - fish and seafood markets		
	Retail Trade Margin, warehouse clubs and supercenters	To be determined	

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## Ocean Economy Satellite Account - Experimental Results Minerals

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### Estimating Ocean-Dependence

Activity	Item Description	Ocean Portion	Method Used to Estimate the Ocean Portion
<b>Oil &amp; Gas Extraction and Production</b>	Drilling, spudding, or tailing oil, gas, dry, or service wells - construction	7% of private investment	The ocean portion of these items is estimated by dividing the costs of the rotary wells drilled offshore by the U.S. total for all the wells, which includes the onshore wells (Data Source: Baker Hughes North America Rig Count, Average Day Rates for Offshore vs Onshore Drilling)
	Crude petroleum and natural gas - not specified by kind	5% of non-final demand sales to other businesses	The ocean portion of these items is estimated by dividing the offshore production by the U.S. total production for all these activities (National Ocean Economics Program, Energy Information Administration);
	Natural gas		
	Crude petroleum, including lease condensate (vols. corrected to 60 deg. F) shipped	21% of non-final demand sales to other businesses	These partials are also scaled back to avoid double counting the values of these activities that consumed by the other marine activities (Data Source: BEA Input-Output Accounts)
<b>Oil &amp; Gas Field Operations</b>	Oil and gas field exploration services	7% of private investment	The ocean portion of these items is estimated by dividing the costs of the rotary wells drilled offshore by the U.S. total for all the wells, which includes the onshore wells (Data Source: Baker Hughes North America Rig Count, Average Day Rates for Offshore vs Onshore Drilling)
	Pumping oil and gas wells but not operating leases		
	All other oil and gas field services - construction		
	Oil and gas repair and maintenance		

Activity	Item Description	Ocean Portion	Method Used to Estimate the Ocean Portion
<b>Sand &amp; Gravel</b>	Construction sand and gravel	20% of non-final demand sales to other businesses	The ocean portion of these items is estimated by dividing these activities taken place in the shore-adjacent counties by the U.S. total for these activities (Data Source: BLS Quarterly Census of Employment and Wages); These partials are also scaled back to avoid double counting the values of these activities that consumed by the other marine activities (Data Source: BEA Input-Output Accounts)
	industrial sand		
<b>Mining and Oil &amp; Gas Field Machinery</b>	Rotary and other oil and gas field drilling machinery and equipment, and their parts	7% of private investment	The ocean portion of these items is estimated by dividing the costs of the rotary wells drilled offshore by the U.S. total for all the wells, which includes the onshore wells (Data Source: Baker Hughes North America Rig Count, Average Day Rates for Offshore vs Onshore Drilling)
	Oil and gas field production machinery and equipment (except pumps), and their parts		
	Portable drilling rigs and parts		
	Oil/gas field derricks/substructures/accessories		
	Mining and oil and gas field machinery manufacturing		
	Oil-well and oil-field pumps, except boiler feed		
	Used oil well, oil refinery, and pipeline machinery	To be determined	To be determined
<b>Minerals Production Support Services</b>	Engineering services	To be determined	To be determined
	Geophysical surveying and mapping services		
	Surveying and mapping (except geophysical) services		
<b>Pipelines</b>	Petroleum pipelines repair & maintenance construction - private	To be determined	To be determined
	Crude petroleum pipelines		
	Natural gas pipelines		
	Refined petroleum pipelines		
	Pipelines - not elsewhere classified		

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## Ocean Economy Satellite Account - Experimental Results Research and Education

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### Estimating Ocean-Dependence

Activity	Item Description	Ocean Portion	Method Used to Estimate the Ocean Portion
<b>Federal Government Research - Externally Funded</b>	For sale auxiliary scientific research and development (tax exempt) - federal government defense	To be determined	To be determined
	For sale auxiliary scientific research and development (tax exempt) - federal government non-defense		
<b>Federal Government Research - Internally Funded</b>	Own account scientific research and development (tax exempt) - federal government defense	1% of purchases by government	The ocean portion of this item is estimated by dividing the sum of federal defense-related marine research expenditures by the U.S. total for this item (Data Source: FOCAR Report 2015, BEA Input-Output Accounts)
	Own account scientific research and development (tax exempt) - federal government non-Defense	10% of purchases by government	The ocean portion of this item is estimated by dividing the sum of federal non-defense marine research expenditures by the U.S. total for this item (Data Source: FOCAR Report 2015, BEA Input-Output Accounts)
<b>State &amp; Local Government Research - Externally Funded</b>	For sale auxiliary scientific research and development (tax exempt) - state and local government	To be determined	To be determined
<b>State &amp; Local Government Research - Internally Funded</b>	Own account scientific research and development (tax exempt) - state and local government	To be determined	To be determined

Activity	Item Description	Ocean Portion	Method Used to Estimate the Ocean Portion
<b>Marine Academic Research - Externally Funded</b>	For sale academic scientific research and development (tax exempt) - scientific R&D services, federal government, state and local government funded	To be determined	To be determined
<b>Marine Academic Research - Internally Funded</b>	Own account academic scientific research and development (tax exempt) - state and local government	12% of purchases by government	The ocean portion of this item is estimated by dividing the sum of National Science Foundation's ocean grants, Sea Grant Federal grants, and estimated local grants by the U.S. total for this item (Data Source: FOCAR Report 2015, BEA Input-Output Accounts)
<b>Other Marine Research - Externally Funded</b>	For sale auxiliary scientific research and development (taxable and tax exempt) - scientific R&D services, all other non-profit industries	To be determined	To be determined
	For sale scientific research and development (taxable and tax exempt) - scientific R&D services, all other manufacturing and non-manufacturing industries		
	Expenses (net of sales) of R&D in the physical, engineering, and biological sciences (tax exempt)		
<b>Other Marine Research - Internally Funded</b>	Own Account Scientific Research and Development (taxable and tax exempt) - scientific R&D services, all other for-profit goods industries, all other for-profit service industries	To be determined	To be determined
	Non-capitalized Research and Development Activity (taxable)		
<b>Scientific Instruments and Materials Manufacturing</b>	Analytical and scientific instruments, except optical	To be determined	To be determined
	Parts-Components and accessories for analytical and scientific instruments - sold separately		
	Other plastics product manufacturing - research and development	To be determined	To be determined
<b>Marine Laboratories</b>	Testing laboratories, and all other laboratory receipts	To be determined	To be determined
<b>Marine Market</b>	Market research and public opinion polling	To be	To be determined

Activity	Item Description	Ocean Portion	Method Used to Estimate the Ocean Portion
<b>Research</b>		determined	
<b>Marine Education, Elementary &amp; Secondary</b>	Expenses of elementary and secondary education services (tax exempt)	To be determined	To be determined
	Government sales of elementary and secondary education services (tax exempt)		
<b>Marine Education, Post Secondary</b>	Expenses of professional and management development schools (tax exempt)	To be determined	To be determined
	Outright sale of original works of intellectual property Professional and management development schools (taxable)		
	Licensing of rights to use intellectual property of all other misc. schools & instruction (taxable)		
	Other technical & trade schools (taxable)		
	Apprenticeship training schools (taxable)		

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## Ocean Economy Satellite Account - Experimental Results

### Professional and Technical Services

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#### Estimating Ocean-Dependence

Activity	Item Description	Ocean Portion	Method Used to Estimate the Ocean Portion
<b>Marine Environmental Services</b>	Environmental consulting services	To be determined	To be determined
	Remediation services		
	All other miscellaneous waste management services		
<b>Marine Information Systems</b>	Application software publishing, and related technical support services	To be determined	To be determined
	Outright sale of audiovisual works		
	Paging, mobile dispatch, and specialized wireless services		
	Satellite telecommunications services		
	Data management, processing, storage, and information and document transformation services		
	Internet publishing & broadcasting		
	Custom computer programming		
	Computer systems design services		
<b>Marine Professional Services</b>	Wholesale trade, wholesale trade agents and brokers	To be determined	To be determined
	Offices of lawyers (taxable)		
	Drafting services		
	Administrative management and general management consulting services		

Activity	Item Description	Ocean Portion	Method Used to Estimate the Ocean Portion
	Human resources and personnel management consulting		
	Marketing consulting services		
	Process, physical distribution, and logistics consulting services		
	Other professional, scientific, and technical services		
	Office administrative services		
	Employment placement agencies		
	Auxiliary employment services		
	Temporary help services		
	Co-employment staffing services/employee leasing		
	Repossession services		
	Convention and trade show organizers		
	Expenses of business, professional, labor associations (tax exempt)		
	All other professional, scientific, and technical services and other management consulting services		
<b>Marine Publishing and Printing Services</b>	Commercial photography services	To be determined	To be determined
	Periodicals, magazine, directory, books publishing		
	Own account motion picture film and TV program originals		
	Scientific and technical recording chart and chart paper printing (lithographic)		
	Bookbinding, printing plates, and prepress and postpress services		

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## Ocean Economy Satellite Account - Experimental Results

### Ship and Boat Building

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#### Estimating Ocean-Dependence

Activity	Item Description	Ocean Portion	Method Used to Estimate the Ocean Portion
<b>Boat Building and Repair</b>	Boat building - not specified by kind	33% of sales to consumers, government, and private investment	The ocean portion of these items is estimated by dividing the boat registration located in coastal states by the U.S. total for all the registrations of that type (Source: U.S. Coast Guard Boat Registrations by State)
	Outboard motorboats, including commercial and military (except sailboats and lifeboats)	33% of sales to consumers and private investment	
	Inboard cabin cruisers, including commercial and military (except sailboats and lifeboats)	70% of sales to consumers and private investment; 100% of purchases by government	
	Inboard motorboats, including commercial & military (except sailboats & lifeboats)	33% of sales to consumers	
	Inboard-outdrive runabouts, fish boats, & other inboard-outdrive boats	33% of sales to consumers	
	Inboard-outdrive boats, including commercial & military (except sailboat & lifeboat) - not specified by kind	97% of sales to consumers	
	Canoes and all other boats (excluding hovercrafts) - not elsewhere classified	33% of sales to consumers	
	Hovercraft	100% of private investment	
	Sailboats - all sizes (excluding military and commercial)	65% of sales to consumers and private investment	
	Boat repair, recreational	33% of sales to consumers	

Activity	Item Description	Ocean Portion	Method Used to Estimate the Ocean Portion
<b>Ship Building and Repair</b>	Non-propelled ships, new construction	7% of private investment	The ocean portion of this item is estimated by dividing the ocean-going barges registration by the U.S. total for all the registrations of barges (Source: U.S. Coast Guard Boat Registrations by State)
	Military self-propelled ships (including combat ships, troop transport vessels, fleet auxiliaries, & svc craft) - new construction	100% of purchases by government	The ocean portion of these items is estimated by dividing the vessel (not defined as boats) registration located in coastal states by the U.S. total for all the registrations of that type (Source: U.S. Coast Guard Boat Registrations by State)
	Nonmilitary self-propelled yachts, 65 ft or more in length (requires a professional crew as specified by the Coast Guard)	100% of sales to consumers, exports, imports, and private investment	
	Nonmilitary self-propelled ferryboats - new construction	95% of purchases by government and private investment	
	Other nonmilitary ships (including container and trailer ships, dry bulk carriers, and tankers)	100% of exports, imports, purchases by government, and private investment	
	Self-propelled nonmilitary - commercial fishing trawlers & vessels, tugboats, & support vessels for offshore drilling & mining	100% of exports, imports, and private investment	
	Ship repair, military	100% of purchases by government	
	Ship repair, nonmilitary	95% of purchases by government and private investment	
	Ship building and repair, not specified by kind	95% of purchases by government and private investment	
	Commercial ships and barges rental and leasing, without crew	85% of non-final demand sales to other businesses	

<b>Activity</b>	<b>Item Description</b>	<b>Ocean Portion</b>	<b>Method Used to Estimate the Ocean Portion</b>
	Federal defense government services	1% of purchases by government	The ocean portion of this item is estimated by dividing the ship depot maintenance by the total defense gross output (Source: 2016 ICE budget)
<b>Textile Inputs</b>	Sails	66% of sales to consumers	The ocean portion of these items is estimated by dividing the boat registration and registrants located in coastal states by the U.S. total for all registrations, weighted by the doubled costs for larger, more expensive, and more sails used in ocean sail boats. (Source: U.S. Coast Guard Boat Registrations by State)
	Hard & soft fiber rope, cordage and twine - manmade or cotton	To be determined	To be determined
	Paddings and upholstery filling, batting, and wadding except automotive (excluding foam rubber and plastics)		
<b>Propulsion System Inputs</b>	Marine propulsion gear transmissions and drives	To be determined	To be determined
	Speed changer, industrial high-speed drive, and gear manufacturing		
<b>Boat Trailers</b>	Automobile and light truck boat trailers 26,000 lb or less gross vehicle weight	To be determined	To be determined
<b>Used Vessels</b>	Used vessels and pleasure boats	To be determined	To be determined

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## Ocean Economy Satellite Account - Experimental Results Transportation

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### Estimating Ocean-Dependence

Activity	Item Description	Ocean Portion	Method Used to Estimate the Ocean Portion
<b>Marine Passenger Transportation</b>	Water passenger transportation - deep sea	100% of sales to consumers and non-final demand sales to other businesses	By definition, these items are entirely ocean-related (Data Source: BEA Input-Output Accounts)
	Water passenger transportation - coastal and Great Lakes		
	Water passenger transportation - inland waterways	To be determined	
<b>Deep Sea Freight Transportation</b>	Water freight - non-margin	57% of exports	The ocean portion of this item is estimated by dividing the sum of these activities taken place in deep sea, coastal, and Great Lakes areas by the U.S. total for these activities, which include inland water transportation (Data Source: BLS Quarterly Census for Employment and Wages)
	Water freight - margin	57% of sales to consumers and non-final demand sales to other businesses	
<b>Marine Transportation Services</b>	Port and harbor operations	78% of non-final demand sales to other businesses	The ocean portion of these items is estimated by dividing these activities in the shoreline counties by the U.S. total for these items (Data Source: BLS Quarterly Census for Employment and Wages); These partials are also scaled back to avoid double counting the values of these services that purchased by the other marine passenger and freight transportation activities (Data Source: BEA Input-Output Accounts)
	Marine cargo handling	88% of non-final demand sales to other businesses	
	Navigational services to shipping	74% of non-final demand sales to other businesses	
	Other support activities for water transportation	96% of non-final demand sales to other businesses	

Activity	Item Description	Ocean Portion	Method Used to Estimate the Ocean Portion
<b>Warehousing and Storage</b>	General warehousing and storage	8% of non-final demand sales to other businesses	The ocean portion of these items is estimated by dividing the sum of the tonnages of goods imported and exported through water transportation by the U.S. total tonnage of goods transported by all means (Data Source: Freight Analysis Framework Data); These partials are also scaled back to avoid double counting the values of these services that purchased by the other marine passenger and freight transportation activities (Data Source: BEA Input-Output Accounts)
	Refrigerated warehousing and storage	8% of non-final demand sales to other businesses	
	Farm product warehousing and storage	8% of non-final demand sales to other businesses	
	Auxiliary warehousing and storage Services	To be determined	
<b>Transportation Support Services</b>	Freight forwarding	To be determined	To be determined
	Arrangement of freight and cargo		
	Packing and crating services		
	Courier services (except air)		
	All other support activities for transportation		
<b>Search &amp; Navigation Equipment</b>	Search, detection, navigation, and guidance systems	To be determined	To be determined
	Aeronautical, nautical, and navigational instruments not sending or receiving radio signals		
	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing		

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## Ocean Economy Satellite Account - Experimental Results

### Tourism and Recreation

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#### Estimating Ocean-Dependence

Activity	Item Description	Ocean Portion	Method Used to Estimate the Ocean Portion
<b>Boat Dealers</b>	Retail Trade, Boat Dealers	To be determined	To be determined
<b>Scenic Water Transportation</b>	Scenic and sightseeing transportation - water	70% of sales to consumers	The ocean portion of these items is estimated by dividing the activities that take place in the shore-adjacent Zip Codes by the U.S. total for these activities (Data Source: Census ZIP Codes Business Patterns data)
<b>RV Parks and Campgrounds</b>	Recreational and vacation camps Recreational vehicle parks and campgrounds	5% of exports and sales to consumers	
<b>Amusement and Recreation Services</b>	Amusement parks and arcades (receipts)	21% of sales to consumers	The ocean portion of these items is estimated by dividing the outdoor recreation-related portion of these activities that take place in the shore-adjacent Zip Codes by the U.S. total for these activities (Data Source: Statista Reports, Census ZIP Codes Business Patterns data)
	Participant Sports	1% of sales to consumers	
	All other amusement and recreation (taxable)	10% of sales to consumers	
	Performing arts companies (taxable)	4% of sales to consumers	The ocean portion of these items is estimated by dividing the outdoor recreation-related portion of these activities that take place in the shore-adjacent Zip Codes by the U.S. total for these activities (Data Source: Ticket Sales Data from various sources, Census ZIP Codes Business Patterns data)
	Admissions and other receipts for sports teams and clubs	12% of sales to consumers	
	Sports & recreation instruction schools (taxable and tax exempt)	To be determined	
	Culture Institutes	To be determined	
<b>Tourism and Travel</b>	Taxicab services which include taxi dispatchers	3% of sales to consumers	The ocean portion of these items is estimated by dividing the leisure travel portion of these

Activity	Item Description	Ocean Portion	Method Used to Estimate the Ocean Portion
<b>Services</b>	Air transportation - domestic passenger transport	7% of sales to consumers	items that take place in the shore-adjacent counties by the U.S. total for these activities (Data Source: BEA Input-Output Accounts, DK Shifflet's Demand for Travel Commodities by Type of Visitors data, CIC Research's Survey of International Air Travelers, and BLS Quarterly Census of Employment and Wages)
	Air Transportation, Passenger Transport - International	7% of exports	
	Passenger car rental (including vans and SUVs)	9% of sales to consumers	
	Utility Trailer and RV Rental	7% of sales to consumers	
	Amtrak and Urban Transit Systems	2% of sales to consumers	
	Interurban and Rural Bus Transportation	4% of sales to consumers	
	Parking lots and garages	7% of sales to consumers	
	Local Charter and Bus Service	3% of sales to consumers	
	Travel agencies	18% of sales to consumers	
	Scenic and sightseeing transportation - land	34% of sales to consumers	The ocean portion of these items is estimated by dividing these activities that take place in the shore-adjacent Zip Code areas (almost all are recreational-related) by the U.S. total for these activities (Data Source: Census ZIP Codes Business Patterns)
	Scenic and sightseeing transportation - other	32% of sales to consumers	
	Tour operators	56% of sales to consumers	
	Diesel, semi-diesel, and dual-fuel engines (except automobile, highway truck, bus, and tank)	34% of sales to consumers, non-final demand sales to other businesses, and private investment	
	Piston-type natural gas engines, including LPG (liquefied petroleum gas) engines (excluding gas turbines)	34% of sales to consumers and purchases by government	The ocean portion of these items is estimated by dividing these activities that take place in the shore-adjacent counties areas (almost all are recreational-related) by the U.S. total for these activities (Data Source: BLS Quarterly Census of Employment and Wages)
Convention and visitors bureaus	20% of sales to consumers		
<b>Hotels and Lodging Places</b>	Guestroom or unit rentals of hotels and motels	28% of sales to consumers	The ocean portion of these items is estimated by dividing the leisure travel portion of these activities that take place in the shore-adjacent
	Rental of public rooms (e.g., conference/convention meeting rooms) of	28% of non-final demand	

Activity	Item Description	Ocean Portion	Method Used to Estimate the Ocean Portion
	hotels and motels for short-term business use	sales to other businesses	<p>counties by the U.S. total for these activities (Data Source: Data Source: BEA Input-Output Accounts, DK Shifflet's Demand for Travel Commodities by Type of Visitors data, CIC Research's Survey of International Air Travelers, and BLS Quarterly Census of Employment and Wages)</p> <p>The ocean portion of these items is estimated by dividing these activities that take place in the shore-adjacent Zip Code areas by the U.S. total for these activities (Data Source: Outdoor Recreation Satellite Account, Census ZIP Codes Business Patterns)</p>
	Rental of public rooms (e.g., conference/convention meeting rooms) of hotels and motels for short-term social use	28% of non-final demand sales to other businesses	
	Bed and breakfast inns	33% of sales to consumers	
	All other travel accommodation	19% of sales to consumers	
<b>Real Estate and Property Management</b>	Nonfarm residential rents paid	6% of sales to consumers	<p>The ocean portion of these items is estimated by dividing the short-term vacation rentals portion of these activities that take place in the shore-adjacent Zip Code areas by the U.S. total for these activities (Data Source: National Association of Realtors, Census ZIP Codes Business Patterns)</p>
	Property management	7% of sales to consumers	
	Other revenue of real estate agents and managers		
<b>Eating and Drinking Places</b>	Meal and alcoholic/nonalcoholic beverage charges of full-service restaurants	4% of sales to consumers	<p>The ocean portion of these items is estimated by dividing the leisure travel portion of these activities that take place in the shore-adjacent counties by the U.S. total for these activities (Data Source: Data Source: BEA Input-Output Accounts, DK Shifflet's Demand for Travel Commodities by Type of Visitors data, CIC Research's Survey of International Air Travelers, BLS Quarterly Census of Employment and Wages)</p>
	Meals and alcoholic/nonalcoholic beverages of limited-service eating places	3% of sales to consumers	
	Caterers and food contractors- meals and alcoholic/nonalcoholic beverages	4% of sales to consumers	
	Mobile food services - food	3% of sales to consumers	
	Meals, alcoholic/nonalcoholic beverages and tips at drinking places	4% of sales to consumers	
	Meals, alcoholic/nonalcoholic beverages, and tips at hotels/motels	3% of sales to consumers	
	Food, alcoholic/nonalcoholic beverages sales by performing arts companies	4% of sales to consumers	

Activity	Item Description	Ocean Portion	Method Used to Estimate the Ocean Portion
	Food, alcoholic/nonalcoholic beverages sales by sports teams and clubs	12% of sales to consumers	
<b>Sporting Goods Manufacturing, Sales, and Rental</b>	Fishing line and fish netting, commercial and recreational, man-made fiber	70% of sales to consumers	The ocean portion of these items is estimated by dividing the outdoor recreation-related portion of these activities that take place in the shore-adjacent Zip Code areas by the U.S. total for these activities (Data Source: BLS Consumer Expenditures Survey, Census ZIP Codes Business Patterns)
	Fishing tackle and equipment	70% of sales to consumers	
	Inland marine insurance (property and casualty)	100% of sales to consumers	
	Water sports equipment	20% of sales to consumers	
	Recreational goods and equipment rental	6% of sales to consumers	
	Rental and leasing of equipment at participant sports centers (taxable)	13% sales to consumers	
	First aid, snake bite, and burn kits, including household and industrial kits	13% of sales to consumers	
	Retail trade margin, gift, novelty, and souvenir stores	11% of sales to consumers	The ocean portion of these items is estimated by dividing the outdoor recreation-related portion of these activities that take place in the shore-adjacent Zip Code areas by the U.S. total for these activities (Data Source: National Human Activity Pattern Survey, BEA Input-Output Accounts, Census ZIP Codes Business Patterns)
	Garments >= 50% plastic or rubber, including raincoats and rubber pants	5% of sales to consumers	
	Cut and sew outerwear – all genders	2% of sales to consumers	
	Rubber and plastics footwear	44% of sales to consumers	
	Household and institutional pesticides, creams, oils, and other chemical preparations, including essential oils, waxes, waterproofing compounds & rubber processing preparations	~1% of sales to consumers	The ocean portion of these items is estimated by dividing the outdoor recreation-related portion of these activities that take place in the shore-adjacent Zip Code areas by the U.S. total for these activities (Data Source: NDP's Retail Market Research & Business Solutions data, Census ZIP Codes Business Patterns)
	Camping tents, fabricated sleeping bags, cooking equipment, vacuum and insulated bottles, jugs, and chests (except those made principally of foam plastics), and other camping tools	20~26% of sales to consumers	
	Eye and face protection equipment, including face shields, masks, and welding helmets,	1~3% of sales to consumers	

Activity	Item Description	Ocean Portion	Method Used to Estimate the Ocean Portion
	and other personal safety equipment, including life preservers (buoys, jackets, and vests) (except cork life preservers), and auto racing and motorcycle helmets		
	Urethane, polyurethane, and other foam products, including medical, clothing, fillers, diapers, etc.	1~2% of sales to consumers	
	Still cameras, watches, and clocks, and other water sports equipment, including	5~9% of sales to consumers	
	Dried and dehydrated fruits and vegetables, and other miscellaneous food products	1~25% of sales to consumers	
	Consumer audio and video equipment, other measuring and controlling device, and other commercial, geophysical, meteorological and general purpose instruments	~2% of sales to consumers	
	Carnival and amusement park equipment (ferris wheels, merry-go-rounds, etc.), excluding electric equipment, and coin-operated equipment	To be determined	To be determined
	Sporting and athletic goods manufacturing Other Miscellaneous Receipts		
Games, toys, and children's vehicles, not specified by kind			

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