

IMPLAN Sectors in the OCS Economic Impact Models

The Gulf of Mexico models allocate all expenditures among 40 IMPLAN sectors. There are no distinctions between expenditures on goods & services and those on labor. The 40 sectors are the same for each onshore area and do not need to be updated by the user as new IMPLAN data sets are acquired.

The Alaska models are more complex and cumbersome. The first-step Alaska models (single-Excel-workbook models, such as Arctic_IMPAK.xls, which is item #9 available for downloading) allocate spending among 1-2 sets of local-area goods & services sectors, a set of sectors for Rest of Alaska, and a set of sectors for Rest of the U.S. The sectors for the Arctic and the Sub-Arctic “Rest of” areas are not identical. The sectors for the local area(s) will depend upon the planning area of interest. For example, the local area for a model estimating the results of Cook Inlet/Shelikof Straits activities would be Kenai Peninsula Borough, while the local areas for a model estimating the results of Norton Basin gas-related activities would be both Kenai and Nome. A complicating factor for the Alaska models is that the IMPLAN data and the supporting Federal data do not show activity in all the local sectors assumed in the model. For example, in OCSEIM.sample.Arctic.Link.xls, the sectors highlighted in green on worksheet “NSB OilSctr Output” have been re-allocated to Rest of Alaska or Rest of the U.S. Furthermore, many of the local economies are small and the local sectors that show up in the IMPLAN data change from year to year. So, some of the allocations in OCSEIM.sample.Arctic.Link.xls also must be changed whenever a new IMPLAN data set is acquired.

The first-step Alaska models do not allocate personal consumption expenditures (from labor income) among sectors. This is done in an MMS-created spreadsheet (equivalent to OCSEIM.sample.Arctic.Link.xls). The personal consumption expenditure allocations are based on data from the national Consumer Expenditure Survey (available through IMPLAN household commodity demand reports), re-weighted for Alaska. The sectors are the same for all models each year, but the user must re-allocate expenditures in the OCSEIM.sample.Arctic.Link.xls-equivalent file to account for “missing” local sectors.

Gulf of Mexico (All models, goods & services only)

<u>IMPLAN Sector</u>	<u>MIG SIC Code</u>	<u>1982 BEA Commodity</u>	<u>IMPLAN Sector Name</u>
38	1310	pt. 8.0000	Natural Gas & Crude Petroleum
50	Pt. 15,16,17	11.0300	New Utility Structures
53	Pt. 15,16,17	11.0600	New Mineral Extractions Facilities
56	Pt. 15,16,17	12.0200	Maintenance and Repair Other Facilities
57	1380	12.0215	Maintenance and Repair Oil and Gas Wells
160	2599	23.0700	Furniture and Fixtures
178	2740	26.0400	Miscellaneous Publishing
209	2899	27.0406	Chemical Preparations, n.e.c.

210	2910	31.0101	Petroleum Refining
232	3240	36.0100	Cement, Hydraulic
258	3317	37.0105	Steel Pipe and Tubes
307	3511	43.0100	Steam Engines and Turbines
313	3533	45.0300	Oil Field Machinery
331	3559	48.0600, pt. 54.0600	Special Industry Machinery, n.e.c.
332	3561,63	pt. 49.0100	Pumps and Compressors
354	3599	pt. 50.0002	Industrial Machines, n.e.c.
374	3669	pt. 56.0400	Communications Equipment, n.e.c.
392	3731	61.0100	Ship Building and Repairing
399	3799	61.0700	Transportation Equipment, n.e.c.
401	3821	62.0100	Laboratory Apparatus & Furniture
403	3823,4,9	pt 62.0100, 62.0202	Mechanical Measuring Devices
435	4200, pt.4789	65.0300	Motor Freight Transport & Warehousing
436	4400	65.0400	Water Transportation
437	4500	65.0500	Air Transportation
441	4810/20/40/90	66.0000	Communications, Except Radio & TV
443	4910, pt 4930	68.0100	Electric Services
444	4920	68.0200	Gas Production and Distribution
446	4953/59/60/70	68.0302	Sanitary Services and Steam Supply
454	5800	74.0000	Eating & Drinking
455	5900	pt 69.0200	Miscellaneous Retail
459	6300	70.0400	Insurance Carriers
462	6500	71.0201, 71.0202	Real Estate
469	7310	73.0200	Advertising
470	7320/31/38/83/89	73.0109	Other Business Services
473	7350	73.0107	Equipment Rental and Leasing
494	8110	73.0301	Legal Services
506	8710	73.0302	Engineering, Architectural Services
507	8720, 8990	73.0303	Accounting, Auditing, and Bookkeeping
508	8740	pt 73.0105	Management and Consulting Services
509	8730	pt 73.0105	Research, Development, & Testing Services

Alaska: Arctic Models

North Slope Borough: Goods & Services (outside the oil and gas enclaves)

See NSBLocalOutput worksheet in Arctic_IMPAK.xls, which is item #9 available for downloading. (Should Arctic IMPAK be used to analyze activities in the Chukchi Sea or the Hope Basin, a portion of the goods & services spending would be allocated to the same sectors in the **Northwest Arctic Borough**.)

North Slope Borough: Goods & Services (oil and gas enclaves only)

See NSBOutput worksheet in Arctic_IMPAK.xls, which is item #9 available for downloading

Rest of Alaska: Goods and Services

IMPLAN

<u>Sector</u>	<u>Description</u>
016	Fruits
018	Vegetables
025	Commercial Fishing
027	Landscape and Horticultural Services
038	Natural Gas & Crude Petroleum
049	New Industrial and Commercial Buildings
050	New Utility Structures
051	New Highways and Streets
054	New Government Facilities
056	Maintenance and Repair Other Facilities
058	Meat Packing Plants
059	Sausages and Other Prepared Meats
060	Poultry Processing
061	Creamery Butter
062	Cheese, Natural and Processed
063	Condensed and Evaporated Milk
064	Ice Cream and Frozen Desserts
065	Fluid Milk
066	Canned Specialties
067	Canned Fruits and Vegetables
068	Dehydrated Food Products
069	Pickles, Sauces, and Salad Dressings
070	Frozen Fruits, Juices and Vegetables
071	Frozen Specialties
072	Flour and Other Grain Mill Products
073	Cereal Preparations
074	Rice Milling
075	Blended and Prepared Flour
076	Wet Corn Milling
079	Bread, Cake, and Related Products
080	Cookies and Crackers
081	Sugar
082	Confectionery Products
083	Chocolate and Cocoa Products
084	Chewing Gum
085	Salted and Roasted Nuts & Seeds
087	Soybean Oil Mills
088	Vegetable Oil Mills, N.E.C
090	Shortening and Cooking Oils
092	Malt Beverages
093	Wines, Brandy, and Brandy Spirits
094	Distilled Liquor, Except Brandy
095	Bottled and Canned Soft Drinks & Water
096	Flavoring Extracts and Syrups, N.E.C.
097	Canned and Cured Sea Foods

098	Prepared Fresh or Frozen Fish or Seafood
099	Roasted Coffee
100	Potato Chips & Similar Snacks
102	Macaroni and Spaghetti
103	Food Preparations, N.E.C
104	Cigarettes
105	Cigars
106	Chewing and Smoking Tobacco
123	Textile Goods, N.E.C.
124	Apparel
128	Canvas Products
189	Inorganic Chemicals, N.E.C.
195	Drugs
196	Soap and Other Detergents
197	Polishes and Sanitation Goods
198	Surface Active Agents
199	Toilet Preparations
209	Chemical Preparations, N.E.C.
210	Petroleum Refining
211	Paving Mixtures and Blocks
213	Lubricating Oils and Greases
215	Tires and Inner Tubes
219	Fabricated Rubber Products, N.E.C.
220	Miscellaneous Plastic Products
232	Cement, Hydraulic
243	Concrete Products, N.E.C.
249	Asbestos Products
250	Minerals, Ground or Treated
251	Mineral Wool
256	Steel Wire and Related Products
258	Steel Pipe and Tubes
281	Heating Equipment, Except Electrical
282	Fabricated Structural Metal
283	Metal Doors, Sash, and Trim
284	Fabricated Plate Work
285	Sheet Metal Work
287	Fabricated Metal Buildings
303	Pipe, Valves, Pipe Fittings
307	Steam Engines and Turbines
311	Construction Machinery and Equipment
312	Mining Machinery, Except Oil Field
313	Oil Field Machinery
315	Conveyors and Conveying Equipment
316	Hoists, Cranes, and Monorails
317	Industrial Trucks and Tractors
324	Welding Apparatus
331	Special Industry Machinery, N.E.C.
332	Pumps and Compressors
337	Industrial Furnaces and Ovens
338	General Industrial Machinery, N.E.C.
349	Service Industry Machines, N.E.C.

352	Fluid Power Pumps and Motors
355	Transformers
356	Switchgear
357	Motors and Generators
359	Relays
360	Electrical Apparatus, NEC
368	Wiring Devices
369	Lighting Fixtures and Equipment
384	Motor Vehicles
386	Motor Vehicle Parts and Accessories
387	Truck Trailers
389	Aircraft
392	Shipbuilding and Repairing
393	Boat Building and Repairing
399	Transportation Equipment, N.E.C.
400	Search and Navigation Equipment
403	Mechanical Measuring Devices
433	Railroads and Related Services
434	Local, Interurban Passenger Transit
435	Motor Freight Transportation and Warehousing
436	Water Transportation
437	Air Transportation
438	Pipe Lines- Except Natural Gas
441	Communications, Except Radio and TV
443	Electric Services
444	Gas Production and Distribution
446	Sanitary Services and Steam Supply
447	Wholesale Trade
454	Eating and Drinking
456	Banking
457	Credit Agencies
458	Security and Commodity Brokers
459	Insurance Carriers
462	Real Estate
463	Hotels and Lodging Places
464	Laundry, Cleaning, and Shoe Repair
469	Advertising
470	Other Business Services
472	Services to Buildings
473	Equipment Rental and Leasing
474	Personnel Supply Services
475	Computer and Data Processing Services
476	Detective and Protective Services
477	Automobile Rental and Leasing
479	Automobile Repair and Services
480	Electrical Repair Service
482	Miscellaneous Repair Shops
494	Legal Services
498	Job Trainings & Related Services
499	Child Day Care Services
500	Social Services- N.E.C.

503	Business Associations
506	Engineering, Architectural Services
507	Accounting, Auditing, Bookkeeping
508	Management and Consulting Services
509	Research, Development and Testing Services
511	State and Local Electric Utilities
512	Other State and Local Govt Enterprises
513	U.S. Postal Service

Arctic Rest of the U.S.: Goods and Services

IMPLAN

<u>Sector</u>	<u>Description</u>
016	Fruits
018	Vegetables
049	New Industrial and Commercial Buildings
054	New Government Facilities
056	Maintenance and Repair Other Facilities
058	Meat Packing Plants
059	Sausages and Other Prepared Meats
060	Poultry Processing
061	Creamery Butter
062	Cheese, Natural and Processed
063	Condensed and Evaporated Milk
064	Ice Cream and Frozen Desserts
065	Fluid Milk
066	Canned Specialties
067	Canned Fruits and Vegetables
068	Dehydrated Food Products
069	Pickles, Sauces, and Salad Dressings
070	Frozen Fruits, Juices and Vegetables
071	Frozen Specialties
072	Flour and Other Grain Mill Products
073	Cereal Preparations
074	Rice Milling
075	Blended and Prepared Flour
076	Wet Corn Milling
079	Bread, Cake, and Related Products
080	Cookies and Crackers
081	Sugar
082	Confectionery Products
083	Chocolate and Cocoa Products
084	Chewing Gum
085	Salted and Roasted Nuts & Seeds
087	Soybean Oil Mills
088	Vegetable Oil Mills, N.E.C
090	Shortening and Cooking Oils
092	Malt Beverages
093	Wines, Brandy, and Brandy Spirits

094 Distilled Liquor, Except Brandy
095 Bottled and Canned Soft Drinks & Water
096 Flavoring Extracts and Syrups, N.E.C.
097 Canned and Cured Sea Foods
098 Prepared Fresh or Frozen Fish or Seafood
099 Roasted Coffee
100 Potato Chips & Similar Snacks
102 Macaroni and Spaghetti
103 Food Preparations, N.E.C
104 Cigarettes
105 Cigars
106 Chewing and Smoking Tobacco
122 Cordage and Twine
123 Textile Goods, N.E.C.
124 Apparel
128 Canvas Products
186 Alkalies and Chlorine
187 Industrial Gases
188 Inorganic Pigments
189 Inorganic Chemicals, N.E.C.
190 Cyclic Crudes- Interm. & Indus. Organic Chem.
195 Drugs
196 Soap and Other Detergents
197 Polishes and Sanitation Goods
198 Surface Active Agents
199 Toilet Preparations
209 Chemical Preparations, N.E.C.
210 Petroleum Refining
215 Tires and Inner Tubes
219 Fabricated Rubber Products, N.E.C.
220 Miscellaneous Plastic Products
232 Cement, Hydraulic
249 Asbestos Products
251 Mineral Wool
256 Steel Wire and Related Products
258 Steel Pipe and Tubes
266 Nonferrous Rolling and Drawing
278 Hardware, N.E.C.
281 Heating Equipment, Except Electrical
282 Fabricated Structural Metal
283 Metal Doors, Sash, and Trim
284 Fabricated Plate Work
285 Sheet Metal Work
287 Fabricated Metal Buildings
298 Ammunition- Except For Small Arms- N.E.C.
300 Other Ordnance and Accessories
303 Pipe, Valves, Pipe Fittings
304 Misc Fabricated Wire Products
307 Steam Engines and Turbines
308 Internal Combustion Engines
311 Construction Machinery and Equipment

312	Mining Machinery, Except Oil Field
313	Oil Field Machinery
315	Conveyors and Conveying Equipment
316	Hoists, Cranes, and Monorails
317	Industrial Trucks and Tractors
324	Welding Apparatus
331	Special Industry Machinery, N.E.C.
332	Pumps and Compressors
337	Industrial Furnaces and Ovens
338	General Industrial Machinery, N.E.C.
339	Electronic Computers
340	Computer Storage Devices
341	Computer Terminals
342	Computer Peripheral Equipment-
349	Service Industry Machines, N.E.C.
352	Fluid Power Pumps and Motors
355	Transformers
356	Switchgear
357	Motors and Generators
359	Relays
360	Electrical Apparatus, NEC
368	Wiring Devices
369	Lighting Fixtures and Equipment
372	Telephone and Telegraph Apparatus
373	Radio and TV Communication Equipment
376	Printed Circuit Boards
378	Electronic Components- N.E.C.
384	Motor Vehicles
386	Motor Vehicle Parts and Accessories
387	Truck Trailers
389	Aircraft
390	Aircraft and Missile Engines and Parts
391	Aircraft and Missile Equipment-
392	Shipbuilding and Repairing
393	Boat Building and Repairing
396	Complete Guided Missiles
398	Tanks and Tank Components
400	Search and Navigation Equipment
403	Mechanical Measuring Devices
404	Instruments to Measure Electricity
405	Analytical Instruments
406	Optical Instruments & Lenses
411	Electromedical Apparatus
413	Photographic Equipment and Supplies
433	Railroads and Related Services
435	Motor Freight Transportation and Warehousing
436	Water Transportation
437	Air Transportation
441	Communications, Except Radio and TV
443	Electric Services
447	Wholesale Trade

454	Eating and Drinking
456	Banking
457	Credit Agencies
458	Security and Commodity Brokers
459	Insurance Carriers
462	Real Estate
463	Hotels and Lodging Places
469	Advertising
470	Other Business Services
472	Services to Buildings
473	Equipment Rental and Leasing
474	Personnel Supply Services
475	Computer and Data Processing Services
476	Detective and Protective Services
477	Automobile Rental and Leasing
482	Miscellaneous Repair Shops
492	Hospitals
494	Legal Services
496	Colleges- Universities- Schools
503	Business Associations
506	Engineering, Architectural Services
507	Accounting, Auditing, Bookkeeping
508	Management and Consulting Services
509	Research, Development and Testing Services
513	U.S. Postal Service
516	Noncomparable Imports

Alaska: Sub-Arctic Models

Kenai Peninsula Borough, other areas (e.g., Nome), Rest of Alaska, Rest of the U.S.: Goods & Services

002	Poultry and Eggs
018	Vegetables
025	Commercial Fishing
027	Landscape and Horticultural Services
033	Ferroalloy Ores, Except Vanadium
038	Natural Gas & Crude Petroleum
040	Dimension Stone
041	Sand and Gravel
047	Misc. Nonmetallic Minerals, N.E.C.
049	New Industrial Construction
050	New Utility Construction
051	New Highway Construction
054	New Government Facilities
056	Maintenance and Repair Other Facilities
058	Meat Packing Plants
059	Sausages and Other Prepared Meats
060	Poultry Processing

061 Creamery Butter
062 Cheese, Natural and Processed
063 Condensed and Evaporated Milk
064 Ice Cream and Frozen Desserts
065 Fluid Milk
067 Canned Fruits and Vegetables
069 Pickles, Sauces, and Salad Dressings
070 Frozen Fruits, Juices and Vegetables
071 Frozen Specialties
072 Flour and Other Grain Mill Products
079 Bread, Cake, and Related Products
080 Cookies and Crackers
081 Sugar
082 Confectionery Products
083 Chocolate and Cocoa Products
085 Salted and Roasted Nuts & Seeds
090 Shortening and Cooking Oils
095 Bottled and Canned Soft Drinks & Water
096 Flavoring Extracts and Syrups, N.E.C.
098 Prepared Fresh or Frozen Fish or Seafood
099 Roasted Coffee
100 Potato Chips & Similar Snacks
102 Macaroni and Spaghetti
108 Broadwoven Fabric
117 Carpets and Rugs
122 Cordage and Twine
123 Textile Goods, NEC
124 Apparel Made From Purchased Materials
126 Housefurnishings, N.E.C
128 Canvas Products
134 Sawmills and Planing Mills, General
135 Hardwood Dimension and Flooring Mills
137 Millwork
138 Wood Kitchen Cabinets
139 Veneer and Plywood
140 Structural Wood Members, N.E.C
142 Wood Pallets
144 Prefabricated Wood Buildings
145 Wood Preserving
146 Reconstituted Wood Products
154 Wood Furniture
155 Office furniture, except wood
156 Public Building Furniture
157 Wood, partitions and fixtures
158 Partitions and fixtures, except wood
160 Furniture and fixtures, n.e.c.
162 Paper
164 Paperboard Containers and Boxes
167 Plastic Bags
170 Sanitary Paper Products
174 Newspapers

175	Periodicals
179	Commercial Printing
180	Manifold Business Forms
186	Alkalies & Chlorine
187	Industrial Gases
188	Inorganic Pigments
189	Inorganic Chemicals, NEC
190	Cyclic Crudes, Interm. & Indus. Organic Chem.
191	Plastics Materials and Resins
195	Drugs
196	Soap and Other Detergents
197	Polishes and Sanitation Goods
198	Surface Active Agents, NEC
199	Toilet Preparations
200	Paints and Allied Products
205	Adhesives and Sealants
206	Explosives
209	Chemical Preparations, N.E.C
210	Petroleum Refining
211	Paving Mixtures and Blocks
212	Asphalt Felts and Coatings
213	Lubricating Oils and Greases
214	Petroleum and Coal Products, N.E.C.
215	Tires and Inner Tubes
218	Gaskets, Packing and Sealing Devices
219	Fabricated Rubber Products, N.E.C.
220	Miscellaneous Plastics Products
230	Glass and Glass Products, Exc Containers
232	Cement, Hydraulic
234	Ceramic Wall and Floor Tile
238	Vitreous China Food Utensils
240	Porcelain Electrical Supplies
241	Pottery Products, N.E.C
242	Concrete Block and Brick
243	Concrete Products, N.E.C
244	Ready-mixed Concrete
246	Gypsum Products
247	Cut Stone and Stone Products
248	Abrasive Products
249	Asbestos Products
250	Minerals, Ground or Treated
254	Blast Furnaces and Steel Mills
256	Steel Wire and Related Products
258	Steel Pipe and Tubes
259	Iron and Steel Foundries
266	Nonferrous Rolling and Drawing
267	Nonferrous Wire Drawing and Insulating
274	Metal Barrels
276	Hand and Edge Tools, NEC
278	Hardware, N.E.C.
279	Metal Sanitary Ware

280 Plumbing Fixture Fittings and Trim
281 Heating Equipment, Except Electric
282 Fabricated Structural Metal
283 Metal Doors, Sash, and Trim
284 Fabricated plate work (boiler shops)
285 Sheet Metal Work
286 Architectural Metal Work
287 Prefabricated Metal Buildings
288 Miscellaneous Metal Work
289 Screw Machine Products and Bolts, Etc.
298 Ammunition- Except For Small Arms- N.E.C.
300 Other Ordnance and Accessories
301 Industrial valves
303 Valves and pipe fittings
304 Miscellaneous Fabricated Wire Products
306 Fabricated Metal Products, N.E.C.
307 Turbines and turbine generator sets
308 Internal combustion engines, n.e.c.
311 Construction Machinery and Equipment
313 Oil Field Machinery
314 Elevators and Moving Stairways
315 Conveyors and conveying equipment
317 Industrial Trucks
321 Special Dies and Tools and Accessories
322 Power-driven handtools
324 Welding apparatus
330 Food Products Machinery
331 Special industry machinery, n.e.c.
332 Pumps and compressors
333 Ball and Roller Bearings
334 Blowers and fans
335 Packaging Machinery
337 Industrial furnaces and ovens
338 General industrial machinery, n.e.c.
339 Electronic computers
340 Computer storage devices
341 Computer terminak
342 Computer peripheral equipment, n.e.c.
343 Calculating and accounting machines
344 Office machines, n.e.c.
347 Refrigeration and heating equipment
348 Measuring and dispensing pumps
349 Service Industry Machines, N.E.C.
350 Carburetors, Pistons, Rings, Valves
352 Fluid power pumps and motors
353 Scales and balances, except laboratory
354 Industrial Machines N.E.C.
355 Transformers, except electronic
356 Switchgear and switchboard apparatus
357 Motors and generators
358 Carbon and Graphite Products

359 Relays and industrial controls
360 Electrical industrial apparatus, n.e.c.
364 Electric Housewares and Fans
367 Electric Lamps
368 Wiring Devices
369 Lighting Fixtures and Equipment
370 Radio and TV Receiving Sets
372 Telephone and telegraph apparatus
373 Radio and TV communications equipment
376 Printed Circuit Boards
378 Electronic Components, NEC
379 Storage batteries
381 Engine Electrical Equipment
383 Electrical equipment, and supplies, n.e.c.
384 Motor Vehicles
386 Motor Vehicle Parts and Accessories
389 Aircraft
390 Aircraft and Missile Engines and Parts
391 Aircraft and Missile Equipment-
392 Shipbuilding and Repair
393 Boat Building and Repairing
396 Complete Guided Missiles
398 Tanks and Tank Components
399 Transportation Equipment, N.E.C
400 Search & Navigation Equipment
402 Automatic Temperature Controls
403 Mechanical Measuring Devices
404 Instruments to measure electricity
405 Analytical instruments
406 Optical Instruments & Lenses
411 Electromedical Apparatus
413 Photographic Equipment and Supplies
415 Jewelry- Precious Metal
416 Silverware and Plated Ware
421 Sporting and Athletic Goods- N.E.C.
422 Pens
423 Pencils
424 Marking Devices
425 Carbon Paper
428 Brooms and Brushes
429 Signs and Advertising Displays
431 Hard Surface Floor Coverings
432 Manufacturing Industries- N.E.C.
433 Rail
434 Local, Interurban Passenger Transit
435 Truck
436 Water
437 Air
438 Pipe Lines, Except Natural Gas
439 Arrangement of Passenger Transportation
441 Telephone communications

442 Radio and TV Broadcasting
443 Electric Services
444 Gas Production and Distribution
445 Water Supply and Sewerage Systems
446 Sanitary Services and Steam Supply
447 Wholesale trade
448 Building Materials & Gardening
449 General Merchandise Stores
450 Food Stores
451 Service Stations
452 Apparel & Accessory Stores
454 Eating & drinking places
455 Miscellaneous Retail
456 Banking
457 Credit Agencies
458 Security and Commodity Brokers
459 Insurance carriers
462 Real estate agents
463 Hotels
464 Laundry Services
469 Advertising
470 Other business services
472 Services to Buildings
473 Equipment Rental and Leasing
474 Personnel supply
475 Computers & data processing
476 Detective Services
477 Automobile Rental and Leasing
478 Automobile Parking and Car Wash
479 Automobile Repair and Services
480 Electrical Repair Service
482 Miscellaneous Repair Shops
483 Motion Pictures
488 Amusement and Recreation Services- N.E.C.
490 Doctors and Dentists
492 Hospitals
493 Other Medical and Health Services
494 Legal services
496 Colleges- Universities- Schools
498 Job Trainings & Related Services
499 Child Day Care Services
500 Social Services- N.E.C.
503 Associations & professional org.
504 Labor and Civic Organizations
506 Engineering, architectural & surveying
507 Accounting, auditing & bookkeeping
508 Management & consulting
509 Testing and Research Labs
510 Local Government Passenger Transit
511 State and Local Electric Utilities
512 Other State and Local Govt Enterprises

513 U.S. Postal Service
516 Noncomparable Imports

Personal Consumption Expenditures (all onshore areas in both Arctic and Sub-Arctic models)

IMPLAN

<u>Sector</u>	<u>Description</u>
1	Dairy Farm Products
2	Poultry and Eggs
3	Ranch Fed Cattle
4	Range Fed Cattle
5	Cattle Feedlots
6	Sheep, Lambs and Goats
7	Hogs, Pigs and Swine
8	Other Meat Animal Products
9	Miscellaneous Livestock
10	Cotton
11	Food Grains
12	Feed Grains
13	Hay and Pasture
14	Grass Seeds
15	Tobacco
16	Fruits
17	Tree Nuts
18	Vegetables
19	Sugar Crops
20	Miscellaneous Crops
21	Oil Bearing Crops
22	Forest Products
23	Greenhouse and Nursery Products
24	Forestry Products
25	Commercial Fishing
26	Agricultural, Forestry, Fishery Services
27	Landscape and Horticultural Services
28	Iron Ores
29	Copper Ores
30	Lead and Zinc Ores
31	Gold Ores
32	Silver Ores
33	Ferroalloy Ores, Except Vanadium
34	Metal Mining Services
35	Uranium-radium-vanadium Ores
36	Metal Ores, Not Elsewhere Classified
37	Coal Mining
38	Natural Gas & Crude Petroleum
39	Natural Gas Liquids
40	Dimension Stone
41	Sand and Gravel
42	Clay, Ceramic, Refractory Minerals, N.E.C.

43	Potash, Soda, and Borate Minerals
44	Phosphate Rock
45	Chemical, Fertilizer Mineral Mining, N.E.C.
46	Nonmetallic Minerals (Except Fuels) Service
47	Misc. Nonmetallic Minerals, N.E.C.
48	New Residential Structures
49	New Industrial and Commercial Buildings
50	New Utility Structures
51	New Highways and Streets
52	New Farm Structures
53	New Mineral Extraction Facilities
54	New Government Facilities
55	Maintenance and Repair, Residential
56	Maintenance and Repair Other Facilities
57	Maintenance and Repair Oil and Gas Wells
58	Meat Packing Plants
59	Sausages and Other Prepared Meats
60	Poultry Processing
61	Creamery Butter
62	Cheese, Natural and Processed
63	Condensed and Evaporated Milk
64	Ice Cream and Frozen Desserts
65	Fluid Milk
66	Canned Specialties
67	Canned Fruits and Vegetables
68	Dehydrated Food Products
69	Pickles, Sauces, and Salad Dressings
70	Frozen Fruits, Juices and Vegetables
71	Frozen Specialties
72	Flour and Other Grain Mill Products
73	Cereal Preparations
74	Rice Milling
75	Blended and Prepared Flour
76	Wet Corn Milling
77	Dog, Cat, and Other Pet Food
78	Prepared Feeds, N.E.C
79	Bread, Cake, and Related Products
80	Cookies and Crackers
81	Sugar
82	Confectionery Products
83	Chocolate and Cocoa Products
84	Chewing Gum
85	Salted and Roasted Nuts & Seeds
86	Cottonseed Oil Mills
87	Soybean Oil Mills
88	Vegetable Oil Mills, N.E.C
89	Animal and Marine Fats and Oils
90	Shortening and Cooking Oils
91	Malt Beverages
92	Malt
93	Wines, Brandy, and Brandy Spirits

94	Distilled Liquor, Except Brandy
95	Bottled and Canned Soft Drinks & Water
96	Flavoring Extracts and Syrups, N.E.C.
97	Canned and Cured Sea Foods
98	Prepared Fresh or Frozen Fish or Seafood
99	Roasted Coffee
100	Potato Chips & Similar Snacks
101	Manufactured Ice
102	Macaroni and Spaghetti
103	Food Preparations, N.E.C
104	Cigarettes
105	Cigars
106	Chewing and Smoking Tobacco
107	Tobacco Stemming and Redrying
108	Broadwoven Fabric Mills and Finishing
109	Narrow Fabric Mills
110	Womens Hosiery, Except Socks
111	Hosiery, N.E.C
112	Knit Outerwear Mills
113	Knit Underwear Mills
114	Knit Fabric Mills
115	Knitting Mills, N.E.C.
116	Yarn Mills and Finishing Of Textiles, N.E.C.
117	Carpets and Rugs
118	Thread Mills
119	Coated Fabrics, Not Rubberized
120	Tire Cord and Fabric
121	Nonwoven Fabrics
122	Cordage and Twine
123	Textile Goods, N.E.C
124	Apparel Made From Purchased Materials
125	Curtains and Draperies
126	Housefurnishings, N.E.C
127	Textile Bags
128	Canvas Products
129	Pleating and Stitching
130	Automotive and Apparel Trimmings
131	Schiffi Machine Embroideries
132	Fabricated Textile Products, N.E.C.
133	Logging Camps and Logging Contractors
134	Sawmills and Planing Mills, General
135	Hardwood Dimension and Flooring Mills
136	Special Product Sawmills, N.E.C
137	Millwork
138	Wood Kitchen Cabinets
139	Veneer and Plywood
140	Structural Wood Members, N.E.C
141	Wood Containers
142	Wood Pallets and Skids
143	Mobile Homes
144	Prefabricated Wood Buildings

145	Wood Preserving
146	Reconstituted Wood Products
147	Wood Products, N.E.C
148	Wood Household Furniture
149	Upholstered Household Furniture
150	Metal Household Furniture
151	Mattresses and Bedsprings
152	Wood TV and Radio Cabinets
153	Household Furniture, N.E.C
154	Wood Office Furniture
155	Metal Office Furniture
156	Public Building Furniture
157	Wood Partitions and Fixtures
158	Metal Partitions and Fixtures
159	Blinds, Shades, and Drapery Hardware
160	Furniture and Fixtures, N.E.C
161	Pulp Mills
162	Paper Mills, Except Building Paper
163	Paperboard Mills
164	Paperboard Containers and Boxes
165	Paper Coated & Laminated Packaging
166	Paper Coated & Laminated N.E.C.
167	Bags, Plastic
168	Bags, Paper
169	Die-cut Paper and Board
170	Sanitary Paper Products
171	Envelopes
172	Stationery Products
173	Converted Paper Products, N.E.C
174	Newspapers
175	Periodicals
176	Book Publishing
177	Book Printing
178	Miscellaneous Publishing
179	Commercial Printing
180	Manifold Business Forms
181	Greeting Card Publishing
182	Blankbooks and Looseleaf Binder
183	Bookbinding & Related
184	Typesetting
185	Plate Making
186	Alkalies & Chlorine
187	Industrial Gases
188	Inorganic Pigments
189	Inorganic Chemicals Nec.
190	Cyclic Crudes, Interm. & Indus. Organic Chem.
191	Plastics Materials and Resins
192	Synthetic Rubber
193	Cellulosic Man-made Fibers
194	Organic Fibers, Noncellulosic
195	Drugs

196	Soap and Other Detergents
197	Polishes and Sanitation Goods
198	Surface Active Agents
199	Toilet Preparations
200	Paints and Allied Products
201	Gum and Wood Chemicals
202	Nitrogenous and Phosphatic Fertilizers
203	Fertilizers, Mixing Only
204	Agricultural Chemicals, N.E.C
205	Adhesives and Sealants
206	Explosives
207	Printing Ink
208	Carbon Black
209	Chemical Preparations, N.E.C
210	Petroleum Refining
211	Paving Mixtures and Blocks
212	Asphalt Felts and Coatings
213	Lubricating Oils and Greases
214	Petroleum and Coal Products, N.E.C.
215	Tires and Inner Tubes
216	Rubber and Plastics Footwear
217	Rubber and Plastics Hose and Belting
218	Gaskets, Packing and Sealing Devices
219	Fabricated Rubber Products, N.E.C.
220	Miscellaneous Plastics Products
221	Leather Tanning and Finishing
222	Footwear Cut Stock
223	House Slippers
224	Shoes, Except Rubber
225	Leather Gloves and Mittens
226	Luggage
227	Womens Handbags and Purses
228	Personal Leather Goods
229	Leather Goods, N.E.C
230	Glass and Glass Products, Exc Containers
231	Glass Containers
232	Cement, Hydraulic
233	Brick and Structural Clay Tile
234	Ceramic Wall and Floor Tile
235	Clay Refractories
236	Structural Clay Products, N.E.C
237	Vitreous Plumbing Fixtures
238	Vitreous China Food Utensils
239	Fine Earthenware Food Utensils
240	Porcelain Electrical Supplies
241	Pottery Products, N.E.C
242	Concrete Block and Brick
243	Concrete Products, N.E.C
244	Ready-mixed Concrete
245	Lime
246	Gypsum Products

247	Cut Stone and Stone Products
248	Abrasive Products
249	Asbestos Products
250	Minerals, Ground or Treated
251	Mineral Wool
252	Nonclay Refractories
253	Nonmetallic Mineral Products, N.E.C.
254	Blast Furnaces and Steel Mills
255	Electrometallurgical Products
256	Steel Wire and Related Products
257	Cold Finishing Of Steel Shapes
258	Steel Pipe and Tubes
259	Iron and Steel Foundries
260	Primary Copper
261	Primary Aluminum
262	Primary Nonferrous Metals, N.E.C.
263	Secondary Nonferrous Metals
264	Copper Rolling and Drawing
265	Aluminum Rolling and Drawing
266	Nonferrous Rolling and Drawing, N.E.C.
267	Nonferrous Wire Drawing and Insulating
268	Aluminum Foundries
269	Brass, Bronze, and Copper Foundries
270	Nonferrous Castings, N.E.C.
271	Metal Heat Treating
272	Primary Metal Products, N.E.C
273	Metal Cans
274	Metal Barrels, Drums and Pails
275	Cutlery
276	Hand and Edge Tools, N.E.C.
277	Hand Saws and Saw Blades
278	Hardware, N.E.C.
279	Metal Sanitary Ware
280	Plumbing Fixture Fittings and Trim
281	Heating Equipment, Except Electric
282	Fabricated Structural Metal
283	Metal Doors, Sash, and Trim
284	Fabricated Plate Work (Boiler Shops)
285	Sheet Metal Work
286	Architectural Metal Work
287	Prefabricated Metal Buildings
288	Miscellaneous Metal Work
289	Screw Machine Products and Bolts, Etc.
290	Iron and Steel Forgings
291	Nonferrous Forgings
292	Automotive Stampings
293	Crowns and Closures
294	Metal Stampings, N.E.C.
295	Plating and Polishing
296	Metal Coating and Allied Services
297	Small Arms Ammunition

298	Ammunition, Except For Small Arms, N.E.C.
299	Small Arms
300	Other Ordnance and Accessories
301	Industrial and Fluid Valves
302	Steel Springs, Except Wire
303	Pipe, Valves, and Pipe Fittings
304	Miscellaneous Fabricated Wire Products
305	Metal Foil and Leaf
306	Fabricated Metal Products, N.E.C.
307	Steam Engines and Turbines
308	Internal Combustion Engines, N.E.C.
309	Farm Machinery and Equipment
310	Lawn and Garden Equipment
311	Construction Machinery and Equipment
312	Mining Machinery, Except Oil Field
313	Oil Field Machinery
314	Elevators and Moving Stairways
315	Conveyors and Conveying Equipment
316	Hoists, Cranes, and Monorails
317	Industrial Trucks and Tractors
318	Machine Tools, Metal Cutting Types
319	Machine Tools, Metal Forming Types
320	Industrial Patterns
321	Special Dies and Tools and Accessories
322	Power Driven Hand Tools
323	Rolling Mill Machinery
324	Welding Apparatus
325	Metalworking Machinery, N.E.C.
326	Textile Machinery
327	Woodworking Machinery
328	Paper Industries Machinery
329	Printing Trades Machinery
330	Food Products Machinery
331	Special Industry Machinery N.E.C.
332	Pumps and Compressors
333	Ball and Roller Bearings
334	Blowers and Fans
335	Packaging Machinery
336	Power Transmission Equipment
337	Industrial Furnaces and Ovens
338	General Industrial Machinery, N.E.C
339	Electronic Computers
340	Computer Storage Devices
341	Computer Terminals
342	Computer Peripheral Equipment,
343	Calculating and Accounting Machines
344	Typewriters and Office Machines N.E.C.
345	Automatic Merchandising Machine
346	Commercial Laundry Equipment
347	Refrigeration and Heating Equipment
348	Measuring and Dispensing Pumps

349	Service Industry Machines, N.E.C.
350	Carburetors, Pistons, Rings, Valves
351	Fluid Power Cylinders & Actuators
352	Fluid Power Pumps & Motors
353	Scales and Balances
354	Industrial Machines N.E.C.
355	Transformers
356	Switchgear and Switchboard Apparatus
357	Motors and Generators
358	Carbon and Graphite Products
359	Relays & Industrial Controls
360	Electrical Industrial Apparatus, N.E.C.
361	Household Cooking Equipment
362	Household Refrigerators and Freezers
363	Household Laundry Equipment
364	Electric Housewares and Fans
365	Household Vacuum Cleaners
366	Household Appliances, N.E.C.
367	Electric Lamps
368	Wiring Devices
369	Lighting Fixtures and Equipment
370	Radio and TV Receiving Sets
371	Phonograph Records and Tape
372	Telephone and Telegraph Apparatus
373	Radio and TV Communication Equipment
374	Communications Equipment N.E.C.
375	Electron Tubes
376	Printed Circuit Boards
377	Semiconductors and Related Devices
378	Electronic Components, N.E.C.
379	Storage Batteries
380	Primary Batteries, Dry and Wet
381	Engine Electrical Equipment
382	Magnetic & Optical Recording Media
383	Electrical Equipment, N.E.C.
384	Motor Vehicles
385	Truck and Bus Bodies
386	Motor Vehicle Parts and Accessories
387	Truck Trailers
388	Motor Homes
389	Aircraft
390	Aircraft and Missile Engines and Parts
391	Aircraft and Missile Equipment,
392	Ship Building and Repairing
393	Boat Building and Repairing
394	Railroad Equipment
395	Motorcycles, Bicycles, and Parts
396	Complete Guided Missiles
397	Travel Trailers and Camper
398	Tanks and Tank Components
399	Transportation Equipment, N.E.C

400	Search & Navigation Equipment
401	Laboratory Apparatus & Furniture
402	Automatic Temperature Controls
403	Mechanical Measuring Devices
404	Instruments to Measure Electricity
405	Analytical Instruments
406	Optical Instruments & Lenses
407	Surgical and Medical Instrument
408	Surgical Appliances and Supplies
409	Dental Equipment and Supplies
410	X-Ray Apparatus
411	Electromedical Apparatus
412	Ophthalmic Goods
413	Photographic Equipment and Supplies
414	Watches, Clocks, and Parts
415	Jewelry, Precious Metal
416	Silverware and Plated Ware
417	Jewelers Materials and Lapidary Work
418	Musical Instruments
419	Dolls
420	Games, Toys, and Childrens Vehicles
421	Sporting and Athletic Goods, N.E.C.
422	Pens and Mechanical Pencils
423	Lead Pencils and Art Goods
424	Marking Devices
425	Carbon Paper and Inked Ribbons
426	Costume Jewelery
427	Fasteners, Buttons, Needles, Pins
428	Brooms and Brushes
429	Signs and Advertising Displays
430	Burial Caskets and Vaults
431	Hard Surface Floor Coverings
432	Manufacturing Industries, N.E.C.
433	Railroads and Related Services
434	Local, Interurban Passenger Transit
435	Motor Freight Transport and Warehousing
436	Water Transportation
437	Air Transportation
438	Pipe Lines, Except Natural Gas
439	Arrangement of Passenger Transportation
440	Transportation Services
441	Communications, Except Radio and TV
442	Radio and TV Broadcasting
443	Electric Services
444	Gas Production and Distribution
445	Water Supply and Sewerage Systems
446	Sanitary Services and Steam Supply
447	Wholesale Trade
448	Building Materials & Gardening
449	General Merchandise Stores
450	Food Stores

451 Automotive Dealers & Service Stations
452 Apparel & Accessory Stores
453 Furniture & Home Furnishings Stores
454 Eating & Drinking
455 Miscellaneous Retail
456 Banking
457 Credit Agencies
458 Security and Commodity Brokers
459 Insurance Carriers
460 Insurance Agents and Brokers
461 Owner-occupied Dwellings
462 Real Estate
463 Hotels and Lodging Places
464 Laundry, Cleaning and Shoe Repair
465 Portrait and Photographic Studios
466 Beauty and Barber Shops
467 Funeral Service and Crematories
468 Miscellaneous Personal Services
469 Advertising
470 Other Business Services
471 Photofinishing, Commercial Photography
472 Services To Buildings
473 Equipment Rental and Leasing
474 Personnel Supply Services
475 Computer and Data Processing Services
476 Detective and Protective Services
477 Automobile Rental and Leasing
478 Automobile Parking and Car Wash
479 Automobile Repair and Services
480 Electrical Repair Service
481 Watch, Clock, Jewelry and Furniture Repair
482 Miscellaneous Repair Shops
483 Motion Pictures
484 Theatrical Producers, Bands Etc.
485 Bowling Alleys and Pool Halls
486 Commercial Sports Except Racing
487 Racing and Track Operation
488 Amusement and Recreation Services, N.E.C.
489 Membership Sports and Recreation Clubs
490 Doctors and Dentists
491 Nursing and Protective Care
492 Hospitals
493 Other Medical and Health Services
494 Legal Services
495 Elementary and Secondary Schools
496 Colleges, Universities, Schools
497 Other Educational Services
498 Job Trainings & Related Services
499 Child Day Care Services
500 Social Services, N.E.C.
501 Residential Care

502	Other Nonprofit Organizations
503	Business Associations
504	Labor and Civic Organizations
505	Religious Organizations
506	Engineering, Architectural Services
507	Accounting, Auditing and Bookkeeping
508	Management and Consulting Services
509	Research, Development & Testing Services
510	Local Government Passenger Transit
511	State and Local Electric Utilities
512	Other State and Local Govt Enterprises
513	U.S. Postal Service
514	Federal Electric Utilities
515	Other Federal Government Enterprises
516	Noncomparable Imports
517	Scrap
518	Used and Secondhand Goods
519	Federal Government - Military
520	Federal Government - Non-Military
521	Commodity Credit Corporation
522	State & Local Government - Education
523	State & Local Government - Non-Education
524	Rest Of The World Industry
525	Domestic Services
526	Dummy
527	Dummy
528	Inventory Valuation Adjustment