

## AEM Customer Type/First-End Use Codes and Definitions

January 2006

CODES		CUSTOMER TYPE CATEGORY
2	PRIV	Private
4	GFED	Federal Government
6	GST	State & Provincial Governments
40	CGVT	County Governments
44	LCTVGVT	Local/City/Town/Village Governments

CODES		FIRST-END USE CATEGORY	DEFINITION
<b>CONSTRUCTION</b>			
2	CBLDE	<b>Building, Residential</b>	Machines used in construction (including new work, additions, alterations, remodeling, and repair) of single family houses, condominiums, town-homes, apartments and other residential buildings. Also, machines used in the construction (including renovation) of single-family houses and other buildings for sale, lease or rental by the builder, rather than a contractor. <u>Includes site preparation, excavation and foundation work.</u>
3	CBCOM	<b>Building, Non-Residential: Commercial and Public</b>	Machines used in site development for and construction of commercial buildings (such as stores, restaurants, theaters, shopping centers, banks, warehouses, transportation and freight terminals, office and bank buildings, hotels and motels) and public buildings (such as schools, dormitories, hospitals, and other health facilities, religious buildings, libraries, museums, and governmental structures).
5	CBIND	<b>Building, Non-Residential: Industrial</b>	Machines used in site development for and construction of industrial facilities such as manufacturing plants, refineries, petrochemical and other processing plants, and electrical power generating plants. <u>Excludes sewer and water treatment plants.</u>
7	CHICON	<b>Non-Building, Highways and Streets: Construction</b>	Machines used in the construction, maintenance, snow removal, sanding/salting and repair of highways, streets, unpaved (dirt) roads, alleys, public sidewalks, guardrails, parkways, curbs, and gutters. <u>Excludes bridges, tunnels, and elevated highways.</u>
9	CHIPAV	<b>Non-Building, Highways and Streets: Paving/ Resurfacing</b>	Machines used in the paving/resurfacing of asphalt concrete highways, streets, freight yards, docks, airport runways and aprons, parking lots and other hard travel surfaces.
12	CNBRIDGE	<b>Non-Building, Heavy: Bridges, Elevated Highways, &amp; Tunnels</b>	Machines used in the construction of bridges, viaducts, elevated highways, and tunnels used for highways, pedestrians, and railways.
14	CNDAMS	<b>Non-Building, Heavy: Dams, Levies, Canals, Harbors, &amp; Other Waterway Construction</b>	Machines used in the construction and maintenance of major water control structures and marine facilities (ocean, fresh water and inland waterways). Includes reservoirs, levees, sea walls, docks, piers and wharves. <u>Excludes agricultural irrigation systems.</u>
11	CAIR	<b>Non-Building, Heavy: Airports</b>	Machines used in site development for construction and maintenance of airport runways and aprons. <u>Excludes construction of terminal buildings and hangers; and runway/apron paving/resurfacing.</u>

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<b>CONSTRUCTION</b> (continued)			
13	CRAIL	<b>Non-Building, Heavy: Railroads and Urban Rail Systems</b>	Machines used primarily in construction and maintenance of railroad yards, rail beds, rights of way, subways, and elevated rail systems.
16	CNSEWER	<b>Non-Building, Heavy: Sewer and Water Systems</b>	Machines used primarily in the construction of water mains and supply lines, water towers, sewers and sewer lines, water/sewage treatment plants and the installation/removal of septic tanks.
18	CNPIPE	<b>Non-Building, Other: Mainline and Distribution Pipelines</b>	Machines used in the construction and maintenance of pipelines for gathering and transportation of gas, crude oil petroleum products, and slurried solids. Also pipelines that distribute gas and oil from main transmission lines to industry and homes. <u>Excludes sewer and water lines.</u>
20	CNCOMM	<b>Non-Building, Other: Communication and Power Lines</b>	Machines used in right of way clearing for and installation and maintenance of overhead or underground communication and over lines. Also, erection of electrical, television, microwave, and radio transmission systems.
22	CNOIL	<b>Non-Building, Other: Petroleum Exploration &amp; Development [Oil &amp; Gas Rig Erection...]</b>	Machines used in oil and gas exploration or petroleum development work including seismic line clearing; access road construction; site preparation; platform/rig fabrication, erection, and movement; oil and gas drilling; and site maintenance and clean-up.
15	CSPTR	<b>Other Construction, Special Trades</b>	Machines used in activities that are specialized to building and/or non-building construction projects such as painting, carpentry work, plumbing, heating, air conditioning, roofing, and sheet metal work.
17	CNEC	<b>Other Construction, Not Elsewhere Classified</b>	Machines used in construction applications not elsewhere classified.
98	SDRC	<b>Site Development, Residential</b>	Machines used in clearing, excavation (including dirt removal) and grading of land in preparation for the construction of multiple single-family houses or other residential buildings.
99	SDCPC	<b>Site Development, Commercial &amp; Public</b>	Machines used in clearing, excavation (including dirt removal) and grading of land in preparation for commercial or public construction.
100	SDIC	<b>Site Development, Industrial</b>	Machines used in clearing, excavation (including dirt removal) and grading of land in preparation for industrial construction.
01	OALLC	<b>All Construction [AG library ONLY]</b>	All of the above engaged in Construction.

<b>CRUSHING AND SCREENS</b>			
49	MINING	<b>Mining &amp; Quar Metal Mining</b>	Equipment sold for intended use of recovering mineral ores (i.e. gold, copper, iron, silver and coal).
65	RECYCLING	<b>Recycling</b>	Equipment sold for the intended use of recycling concrete, asphalt slag or glass for reuse/recovery or for convenience of disposal.
66	OTHER	<b>Other Markets</b>	Anything that does not fit into the above categories including but not limited to Industrial Mining.
105	AGGR	<b>Aggregate [PSCB library ONLY]</b>	Equipment sold for intended use of producing construction materials from crushed stone and gravel.
107	OFNDRY	<b>Foundry [VSC library ONLY]</b>	
109	OCOKE	<b>Coke [VSC library ONLY]</b>	
111	OCHEM	<b>Chemical [VSC library ONLY]</b>	

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<b>CODES</b>		<b>FIRST-END USE CATEGORY</b>	<b>DEFINTION</b>
<b>CRUSHING AND SCREENS</b> continued			
118	OCrushSTn	Crushed Stone [VSC library ONLY]	

<b>MINING &amp; QUARRYING</b>			
30	MCOAL	Coal	Machines used in anthracite (hard coal), bituminous coal and lignite coal mining including overburden removal and land reclamation.
34	MIRON	Metals, Iron	Machines used in iron ore mining including overburden removal and land reclamation.
36	MCOP	Metals, Copper	Machines used in copper ore mining including overburden removal and land reclamation.
19	MLDZ	Metals, Lead/Zinc	Machines used in the mining of lead/zinc ore including overburden removal and land reclamation.
21	MGS	Metals, Gold/Silver	Machines used in the mining of gold/silver ore including overburden removal and land reclamation.
23	MUR	Metals, Uranium	Machines used in the mining of uranium, radium, and vanadium ores including overburden removal and land reclamation.
49	MQMMNEC	Metals, Not Elsewhere Classified	Machines used for metal mining services, overburden removal, reclamation and metallic ores mining not elsewhere classified.
38	MQUAR	Non-Metals, Quarry/Stone	Machines used in mining or quarrying of crushed and broken limestone, granite and stone including overburden removal and land reclamation.
40	MSAND	Non-Metals, Sand and Gravel	Machines used in the development, overburden removal, reclamation and operation of sand and gravel pits and dredges. Also used in washing, screening, or otherwise preparing sand and gravel for construction uses.
44	MY	Non-Metals, Tar Sands and Oil Shale [Energy Materials]	Machines used in overburden removal, extraction and disposal, reclamation, and other operations directly related to tar sand/oil shale development.
42	MNONM	Non-Metals, NEC	Machines used in nonmetallic mineral services, overburden removal, reclamation and mining of peat, dimension stone, clay, ceramic and refractory minerals, chemical and fertilizer minerals, phosphate, asbestos, kaolin and other nonmetallic minerals not elsewhere classified ( <u>excluding fuels</u> ).
25	OMMQ	All Mining & Quarrying [AG library ONLY]	All of the above engaged in Mining.

<b>AGRICULTURE</b>			
27	ACPRO	Crop Production	Machines used in the production of corn and soy beans, wheat and other small grains, non-grain field crops including but not restricted to cotton, tobacco, sugar cane and sugar beets, and potatoes.
29	ASPEC	Specialty Crops	Machines used by establishments engaged primarily in truck-type crops such as vegetables and melons, fruits and tree nuts, and horticultural specialties.
31	ALIV	Livestock Production	Machines used in the keeping and feeding of livestock, poultry, and fish for sale. <u>Excludes dairy farms. No crop production.</u>

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33	ALIC	<b>Livestock/Crop Production</b>	Machines used in <u>BOTH</u> crop production and the keeping and feeding of livestock, poultry and fish for sale. <u>Excludes dairy farms.</u>
<b>CODES</b>		<b>FIRST-END USE CATEGORY</b>	<b>DEFINITION</b>
<b>AGRICULTURE</b> (continued)			
35	ADAIR	<b>Dairy Farms</b>	Machines used by farms primarily engaged in the production of cow's milk and other dairy products and in raising dairy heifer replacements. <u>No crop production.</u>
39	ADCRP	<b>Dairy Farms/Crop Production</b>	Machines used by farms engaged in BOTH crop production and the production of cow's milk and other dairy products and in raising dairy heifer products and dairy heifer replacements.
41	ASIMP	<b>Services, Land Improvement</b>	Machines used in land improvement work including brush control and land clearing, pond, terrace, and watershed construction, agricultural land forming, soil conservation, construction and maintenance of farm drainage and irrigation canals.
47	ACUST	<b>Services, Custom Operators</b>	Machines (provided by a service firm... not the farmer) used in crop planting, cultivating, and protecting services, mechanical harvesting, picking, and combining of crops, and related activities.
51	ANUR	<b>Services, Nurseries</b>	Machines used in the production of sod, trees, shrubs and other nursery products for use in landscaping and grounds maintenance.
53	ALSCP	<b>Services, Landscaping</b>	Machines used in site preparation, planting, and other landscaping activities.
81	SMNEC	<b>Manufacturing, Not Elsewhere Classified</b>	Machines used by establishments engaged in manufacturing textiles, clothing, printed matter, articles containing wood or paper, leather goods, machinery, electrical and transportation equipment, professional and scientific instruments and equipment, and other products not elsewhere classified.
83	OMAN	<b>All Manufacturing [AG library ONLY]</b>	All of the above engaged in Manufacturing.

<b>FOREST PRODUCTS</b>			
55	FHARV	<b>Timber Harvesting/Processing</b>	Machine use harvesting trees by cutting <u>at the stump</u> , and processing <u>at the stump</u> by delimiting and cutting into lengths for transport by forwarder. Or, use with a processing attachment on a logging road or landing performing delimiting and/or cross-cutting of trees that were delivered to the landing or road by skidding, forwarding, or shovel logging.
57	FCMN	<b>Forestry Access Rd Constr/Maint (Forestry Access Road Construction/Maintenance)</b>	Machines used in all operations associated with the construction and maintenance of forest access roads.
61	FMIL	<b>Mill &amp; Wood Yard Operations</b>	Machines used in all operations associated with the handling of wood fiber in raw, processed, or semi-finished form in forest products mills, mill yards, and permanent concentration or reload yards and landings. <u>Excludes the manufacturing of finished articles containing wood or paper (see code 81).</u>
112	FRFS	<b>Reforestation, Fire Cntl, Silviculture (Reforestation, Fire Control, Silviculture, Chipping &amp; Grinding, etc.)</b>	Machine use in the forest to prepare for natural or seeded forest regeneration after harvest or fire, or to reduce fire potential, to suppress fire, or to carryout silviculture (tree quality) programs.

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113	FTFB	<b>Timber Felling &amp; Bunching</b>	Machine use to harvest trees by cutting at the stump for transport to a nearby logging road <u>full tree length</u> .
<b>CODES</b>		<b>FIRST-END USE CATEGORY</b>	<b>DEFINITION</b>
<b>FOREST PRODUCTS</b> continued			
114	FSKFSL	<b>In-the-Woods Load/Sort/Shovel Logging (In-the-Woods Log Loading/Sorting/Shovel Logging)</b>	Machine use on a logging road or in-wood landing, sorting logs by species, length, diameter or other criteria, and/or loading over-the-road transport trucks. Shovel logging is working off-road in the woods sliding trees closer to roadside using the rotation function of a swing machine, equipped with a grapple attachment of various types on the boom.
115	FSDL	<b>Stroke Delimiting</b>	Delimiting of full or near full-length trees on a landing or logging road using a stroke delimeter, usually mounted on a modified track or wheel excavator carrier.
116	FLLS	<b>Skidding and Forwarding</b>	Moving felled trees from the stump to a logging road or landing for further cutting/processing, and/or loading. Skidding is <u>dragging</u> full-length trees and forwarding is <u>carrying</u> trees that have been delimited as needed and crosscut into lengths.
48	OFOR	<b>All Forest [AG library ONLY]</b>	All of the above engaged in Forestry.

<b>INDUSTRIAL SERVICES</b>			
52	IDEM	<b>Demolition</b>	Machines used in the wrecking and demolition of buildings and other structures.
26	IWASTE	<b>Waste Disposal</b>	Machines used in the construction, operation, and/or maintenance of sanitary landfills, transfer stations, resource recovery sites, and toxic/hazardous waste disposal sites.
54	ISCRAP	<b>Scrap Handling</b>	Machines used in assembling, breaking up, sorting and wholesale distribution of scrap and waste materials.
65	IREC	<b>Recycling</b>	Machines used in the recycling of waste products such as glass, metal, paper, and plastic for reuse.
56	IBULK	<b>Port/Stevedore/ Bulk Handling</b>	Machines use in the operation (including loading & unloading of rail cars, barges, etc.) and the maintenance of railroad, motor carrier, airline, and marine shipping terminals. Includes grain elevators and other bulk storage/handling facilities.
64	INEC	<b>Utility Companies</b>	Machines used by companies engaged in the generation, transmission, and/or distribution of wireless communications, telephone, electricity, gas, steam, sewer or water.
117	ILANDF	<b>Landfill</b>	Machines used in the creation or ongoing operation and/or maintenance of landfills, dumps and similar open area waste depositories.
69	OIND	<b>All Industrial [AG library ONLY]</b>	All of the above engaged in Industrial Services.

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<b>CODES</b>		<b>FIRST-END USE CATEGORY</b>	<b>DEFINITION</b>
<b>MANUFACTURING</b>			
71	SPET	<b>Petroleum, Chemical, and Rubber Products</b>	Machines used in the production of petroleum products, basic chemicals and chemical products, and products from rubber and plastic resins. Includes refineries, tire, soaps, paints, pesticides and fertilizer plants, but <u>excludes manufacture of asphalt paving mixtures and blocks.</u>
73	SMET	<b>Primary and Fabricated Metal Products</b>	Machines used by establishments engaged in smelting and refining metal, rolling, drawing, and alloying metals, in manufacturing castings, other basic metal products, nails, insulated wire, and cable. Machines used by establishments engaged in fabricating metal products such as general hardware, structural metal products, metal forgings and stamping, and wire products. Also, machines used by establishments engaged in distributing these products and handling by-products. <u>Excludes machinery and transportation equipment.</u>
75	SASP	<b>Asphalt, Ready-Mix, Cement and Concrete Products</b>	Machines used in the manufacturing of asphalt and tar paving mixtures and blocks, Portland and other cement, ready-mix concrete, lime, and gypsum products, and concrete products.
77	SBSG	<b>Brick, Clay, Cut Stone and Glass Products</b>	Machines used in the manufacturing of brick and structural clay tile and pipe, cutting, shaping, and finishing stone for building and miscellaneous uses, and used in the manufacturing of flat glass and glass products.
79	SFOD	<b>Food Products</b>	Machines used by establishments engaged in milling flour or meal from grain, manufacturing prepared animal foods, processing sugar cane and sugar beets, and other food and beverage processing not elsewhere classified.
<b>EQUIPMENT SERVICES</b>			
60	NLP	<b>Independent Rental Company</b>	Machines sold to an independent rental company (Hertz, United, RSC, etc.), not affiliated with a manufacturer or dealership, whose main business activity is renting or leasing equipment, i.e., rent-to-rent operations.
62	NDLR	<b>Dealer Owned Rental Fleet</b>	Machines that are placed in dealer owned rent-to-rent fleets.
85	NAUC	<b>Auction/Resale</b>	New or unused machines auctioned or resold by an independent firm like Ritchie Bros. (not a distributor). Report into the county where the auction was held.

**NOTES:**

End Use code 60 can ONLY be used for activity codes 12 and 14. End use code 62 is NOT valid for activity codes (12) and (14).

End Use code 62 can only be used for activity codes 13 and 15 (and is the ONLY code that can be used for these activities).

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<b>MISCELLANEOUS SERVICES</b>		
87	LDM	<b>Light Duty</b> Machines used in snow blowing, snow removal, leaf collection, fertilizing, etc., for schools, churches, shopping centers, etc.
89	LCNC	<b>Lawn Care, Non-Commercial</b> Machines used for lawn care by individual property owner.
91	LCC	<b>Lawn Care, Commercial</b> Machines used for lawn care services, primarily lawn maintenance.
93	LGC	<b>Golf Course</b> Machines used for grounds maintenance of golf courses.
95	LPKS	<b>Parks</b> Machines used for grounds maintenance of ball fields, soccer fields, etc.
97	LCEM	<b>Cemetery</b> Machines used for ground preparation and maintenance for cemeteries.
92	LRSM	<b>Roadside Mowing</b> Machines used in roadside mowing for city, county, and state agencies.
88	LHF	<b>Hobby Farming</b> Machines used in hobby and estate farming - <u>insignificant income from farming</u> .
50	LMIL	<b>Military Applications</b> National security and international affairs. Use this code only if the Military Application is unknown.
68	OUNKNOWN	<b>Other Industries, Not Elsewhere Classified</b> Machines used in any other application not defined here.
96	OFNID	<b>First Use Not Yet Identified</b> Use this code <u>ONLY</u> when a machine's application is unknown when you must enter your data. Revisions <u>MUST</u> subsequently be made, removing all units from this category and placing them in the proper category when the machine application becomes known.

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