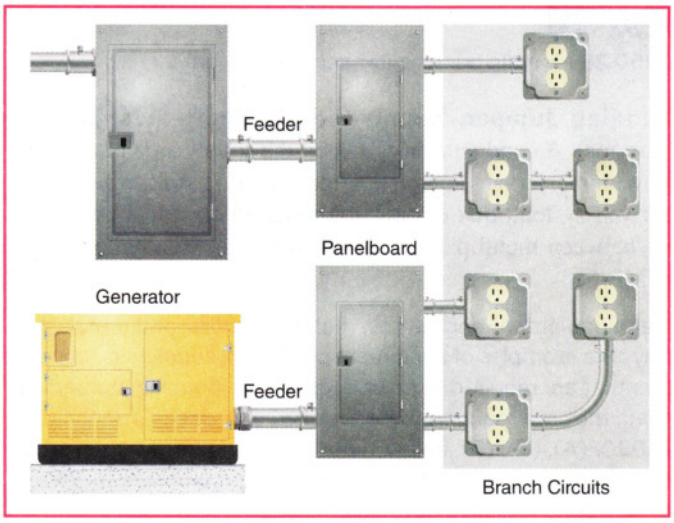

EXHIBIT 100.8 Feeder (circuits) and branch circuits.

Branch Circuit, Appliance. (Appliance Branch Circuit) A branch circuit that supplies energy to one or more outlets to which appliances are to be connected and that has no permanently connected luminaires that are not a part of an appliance. (CMP-2)

See also

210.11(C)(1), which requires two or more 20-ampere small-appliance branch circuits for dwelling units

210.52(B)(1), which requires that small-appliance branch circuits supply receptacle outlets located in rooms such as the kitchen, dining room, and pantry

210.52(B)(2), which provides details on small-appliance branch circuits not permitted to supply other outlets

Branch Circuit, General-Purpose. (General-Purpose Branch Circuit) A branch circuit that supplies two or more receptacles or outlets for lighting and appliances. (CMP-2)

Branch Circuit, Individual. (Individual Branch Circuit) A branch circuit that supplies only one utilization equipment. (CMP-2)

Exhibit 100.9 illustrates an individual branch circuit with a single receptacle for connection of one piece of utilization equipment (e.g., one dryer, one range, one space heater, one motor). A branch circuit supplying one duplex receptacle that supplies two cord-and-plug-connected appliances, or similar equipment, is not an individual branch circuit.

See also

210.21(B)(1), which requires the single receptacle to have an ampere rating not less than that of the branch circuit

210.22 for permissible loads on individual branch circuits

N **Branch Circuit, Motor. (Motor Branch Circuit)** The circuit conductors, including equipment, between the motor branch-circuit short-circuit and ground-fault protective device and an individual motor. (CMP-11)

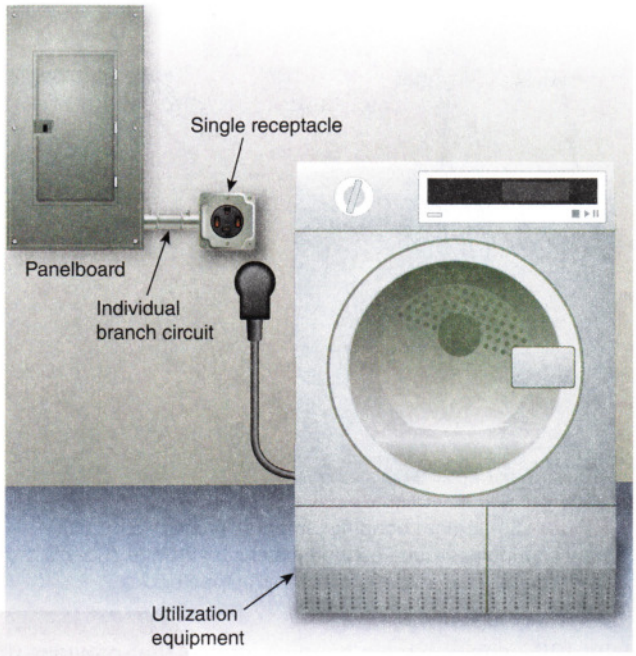

EXHIBIT 100.9 An individual branch circuit supplying only one piece of utilization equipment via a single receptacle.

Δ **Branch Circuit, Multiwire. (Multiwire Branch Circuit)** A branch circuit that consists of two or more ungrounded conductors that have a voltage between them, and a neutral conductor that has equal voltage between it and each ungrounded conductor of the circuit and that is connected to the neutral conductor of the system. (CMP-2)

See also

210.4, 240.15(B)(1), and **300.13(B)** for specific information about multiwire branch circuits

N **Branch-Circuit Selection Current (BCSC).** The value in amperes to be used instead of the rated-load current in determining the ratings of motor branch-circuit conductors, disconnecting means, controllers, and branch-circuit short-circuit and ground-fault protective devices wherever the running overload protective device permits a sustained current greater than the specified percentage of the rated-load current. The value of branch-circuit selection current will always be equal to or greater than the marked rated-load current. (440) (CMP-11)

N **Breakout Assembly.** An adapter used to connect a multipole connector containing two or more branch circuits to multiple individual branch-circuit connectors. (520) (CMP-15)

N **Broadband.** Wide bandwidth data transmission that transports multiple signals, protocols, and traffic types over various media types. (CMP-16)