

# Clean Energy Buzz Words

Establishing standardized terminology promotes clear communication as we work together to reduce GHG emissions. We encourage property owners, municipal partners, and any interested parties to start the conversation.

## Clean Energy

Alternative power sources that do not involve the use of fossil fuels.

## Good To Know

### 3-Phase Power

Term for an alternating current electrical supply that film electricians need to connect to equipment used for productions.

### Amperage (AMPS)

The measure of electrical current in amperes. The motion picture industry in BC is often looking for 100-400 amps per phase of power per power source.

### Generator Tiers

Different tiers of generators emit different levels of polluting and health hazardous particles. Tier 4 generators being the cleanest, Tier 0 being the dirtiest.

### Grid Access

When a film crew can access pre-existing power through a panel or permanent infrastructure, so the power used is coming from the power grid.

### Kilowatt (kW)

Measure of power (i.e. capacity) – used to measure the rate at which energy is expended.

### Kilowatt Hours (kWh)

Measure of energy (i.e. output) – used to measure the amount of electricity expended in an hour.

### Peak Demand

The highest electrical power demand that has occurred over a specified timeframe.

## Power Sources

### Diesel Generators

An electrical supply, usually portable, that comprises a diesel or gasoline powered engine.

### Electrical Panel

Panel that houses electrical components, primarily circuit breakers.

### Power Kiosks

A permanent electrical enclosure that provides access to grid power via cam-locks.

### Rechargeable Battery Generator

An electrical supply composed of rechargeable batteries, usually portable. Sometimes referred to as “electric generator”.

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## Power Equipment

### Bare Ends

Leads with a connector installed on one end and bare copper on the other. Used to connect to breakers in a temporary manner.

### Cam-Lock

Interchangeable electrical connector commonly used with power kiosks.

### Tie-Ins (aka Drop downs)

Short cable bundle used to connect power distribution equipment, dimmer racks, etc. to the primary electrical supply such as a generator, company switch, or other piece of power distribution.

### Transformer

A passive component that transfers electrical energy from one electrical circuit to another circuit, or multiple circuits. Most transformers used on motion picture and television productions transform higher voltages to lower voltages.

## Power People

### Generator Operator

The film professional employed by a production responsible for the generated power on a set, either from hydroelectricity or generators.

### Head Lighting Technician (aka Gaffer)

The film professional employed by a production responsible for lighting, crew, and associated electrical equipment on a motion picture, or television, set. This position is either with the Main Unit, or Second Unit.

### House Electrician

The electrician employed by a facility who is responsible for all lighting, power, and electrical equipment owned, or leased, by a facility. Liaison for production lighting crew during prep and shoot.

### Rigging Head Lighting Technician (aka Rigging Gaffer)

The film professional employed by a production responsible for lighting, crew, and associated electrical equipment on a motion picture, or television, set. Work is off set prep, away from camera.