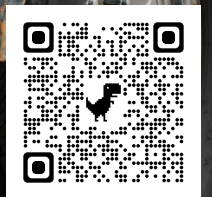




BEST PRACTICES FOR SUSTAINABLE PRODUCTION
CLEAN ENERGY



HOW YOU CAN REDUCE CARBON EMISSIONS WHILE POWERING SETS

Did you know **50%** of the climate change impact from film and television productions is the result of generator and vehicle diesel consumption? Implementing electric solutions to both is the best way to reduce carbon emissions.

1

ON LOCATION? PLUG-IN TO CLEAN POWER

The Ontario Green Screen [Grid Tie-in Map](#) identifies locations across Ontario where productions can plug into existing electrical access for location or unit parking. By plugging in, you'll not only eliminate the harmful carbon emissions caused by diesel generators, you'll also reduce noise in neighbourhoods and lower your equipment and fuel costs.

2

ADD A TIE-IN TO A FILMING LOCATION

At a new location but no tie-in is available? Have the site assessed for temporary power upgrade options. For example, a tie-in, which is attached to an existing electrical panel with appropriate capacity, can be installed by any electrician. If power capacity is too low at the site, the electrical system can be upgraded or a camlock box can be installed—ideal for properties used exclusively or frequently for filming. As with all powered sets, Electrical Safety Authority (ESA) inspectors are required to inspect installed tie-ins.



3

BATTERY POWERED GENERATORS

When possible, on location, choose to rent battery powered generators over diesel. These portable generators can provide significant power and are a great solution for productions. This equipment can be provided by companies such as MBSE Canada, William F White International, and Portable Electric. Visit [Ontario Green Screen resources](#) and/or the [Ontario Production Guide](#) to find a vendor that meets your needs.

4

GO SOLAR

Consider using solar panels for supplementary power - especially in spring and summer. While solar may not be able to meet all of the energy needs for basecamp, it can help keep things up and running at off times and over weekends, reducing the need for a diesel generator.

[CLICK TO ACCESS
THE GRID TIE-IN MAP](#)



Do you want to list a location on the OGS Grid Tie-in Map?

We'll need to ensure that submissions are from the property owner or the official location representative. When registering your location, you will be asked for contact information and location address. You can submit a location to the Grid Tie-in Map [using this Google Form](#).

5

TALK TO YOUR PRODUCTION TEAM

During pre-production, talk to location managers, production managers, and crew members about implementing cleaner power solutions like using electrical grid tie-ins, renting electric vehicles, and more. Here are some questions to start the conversation:

- Have previous productions used a tie-in at this location?
 - If so, where is the electrical panel, and what is the capacity?
 - If not, is there an in-house electrician or property manager to speak to?
- Is there interest in carpooling among the production team members?
- Is it possible to rent electric or hybrid vehicles for your production?
- Does your studio/production office offer EV charging?
- If not, do you know where your nearest charging stations are?
- Will your production be renting electric lifts and cranes?



CELEBRATING LOCAL SUSTAINABLE ACTION: POWER KIOSKS IN TORONTO

The City of Toronto has installed a power drop kiosk at Ashbridges Bay/Woodbine Beach. Another is being developed at Sir Casimir Gzowski Park.

These frequently used locations have sufficient existing electrical service to supply the power needs of production, eliminating diesel generators. Each location is capable of reducing up to 400 tons of greenhouse gas (GHG) emissions per year, or the equivalent annual energy use of 45 homes.

Locate the power drops on the [OGS Grid Tie-in Map](#). For more information or to book these resources within Toronto, visit the [City of Toronto's Film page](#) or call (416) 338-FILM (3456).



INDUSTRY POWER NEEDS

Although power requirements vary significantly by production, the film and television industry generally requests:

200-400 AMP

120/208 volt

3-phase

Have questions or would like more resources? Visit OntarioGreenScreen.ca or email OGSInfo@OntarioCreates.ca.

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