



# Sustainable Production Principles

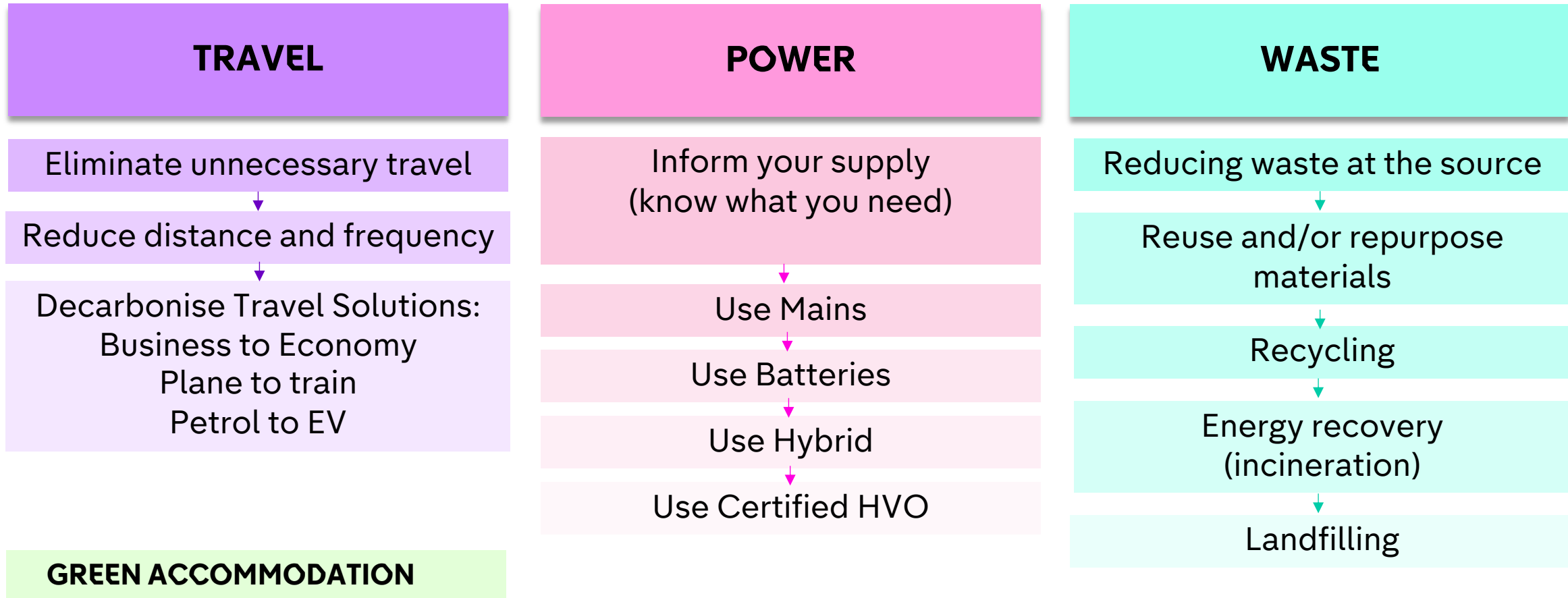
Additional Guidance

NOV 2024



# Hierarchies

Nearly everything we do produces emissions, but considering the hierarchies of travel, power and waste when production planning can make a huge difference in our carbon impact.



Travel & Accommodation often go hand in hand. When booking places to stay, please consider using accommodation with *green credentials*. You can check directly with the service provider if they're on a renewable energy tariff.



# Ditching Diesel

## Using Mains Power

Plugging into mains power on a certified green tariff will almost always be the most sustainable option. It also facilitates simple tracking and reporting of consumption. Check location mains supplies and tariffs as early as possible to see if you're able to plug in.

CO2e:	Up to 100% emission reduction vs diesel		
Cost :	Low	Complexity:	Low

## Using Certified HVO

Certified HVO is a **transitional** fuel and should be used rather than diesel wherever possible. It can be used in any diesel engine and generator and can be topped-up with diesel in an emergency. You may be able to reduce costs by purchasing HVO in bulk or at group level.

CO2e:	Up to 90% emission reduction vs diesel		
Cost :	Low-mid (up to 50p per litre more expensive than diesel)	Complexity :	Low

## Using Batteries or Hybrid Generators

Battery technology is evolving fast. There are full battery solutions for numerous production scenarios, whilst hybrid set-ups (battery + generator) maximise generator efficiency (reducing generator run time by up to 66%) and save fuel and money.

CO2e:	25% - 100% emission reduction vs diesel (dependent on solution type)		
Cost :	Low- Mid	Complexity:	Low- Mid

## Using Green Hydrogen

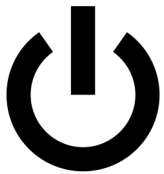
The cleanest non-mains option. Due to their current large size, these units are best suited to productions with few location moves (providing additional power at a back lot, sound stage or studio). Green hydrogen is produced with renewable sources like wind, water or solar, whilst blue hydrogen is produced from natural gas.

CO2e:	Up to 100% emissions reduction vs diesel		
Cost :	High	Complexity:	Mid - High

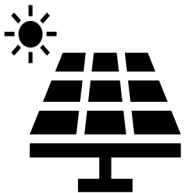


# Energy

Tackling energy use is the easiest way to reduce a production's carbon footprint. Power down, switch to renewables and create a power plan that captures true demand.



Studios, lights, kit, and computers. If you aren't using it, turn it off.



Make sure your company is on a renewable energy tariff and ask all your suppliers, including studios, post-houses and locations how they source their power. Prioritise those who do



Calculate your true power needs by creating a power plan. Explore options which remove the diesel in generators; plugging into the mains, using batteries, swapping out diesel for certified HVO or using green hydrogen.

## CREATING A POWER PLAN

**ASSESS** energy requirements across all departments. Encourage collaboration between key heads of departments and identify energy saving options.

**CALCULATE** required capacity accurately. Generators need to be running at at least 75% of their maximum load to be efficient. Using a smaller generator for the same load can cut fuel consumption by over 10%.

**IDENTIFY** your power low points, such as at weekends and overnight. This is when you need to switch to battery/hybrid use rather than running the generators fit for peak load. Reducing energy demand and fuel consumption.

**TRACK** fuel consumption and generator/battery usage data automatically using telemetry. This will make your reporting easier and allow you to adapt power setups to be as cost and energy efficient as possible.

**QUESTION** energy usage throughout production. Explore sustainable options such as batteries and solar-powered lights, rigs and facilities, and amend the power plan as necessary.



# Quick Wins: Removing Single Use Plastic

<b>Wardrobe &amp; Makeup</b>	Coat hangers	Robust, reusable coat hangers
	Wet wipes & cotton pads	Warm flannels & reusable cotton pads
	Garment bags	Reusable garment bags
	Plastic cotton buds	Paper cotton buds
	Single-use make-up sponges	Reusable make-up sponges
	Makeup containers	Reusable or non-plastic makeup containers
	Wardrobe accessories	Reusable or non-plastic wardrobe accessories
	Microplastic-containing makeup	Non-microplastic makeup
<b>Set &amp; Technical</b>	Cable ties	Re-usable ties e.g. rubber or velcro (can be collected and stuck back together in rolls) or releasable cable ties
	Battery packs	Rechargeable battery packs
	Gels and filters	Glass filters, dichromic glass filters
	Set construction	Wood, brick, wooden crates, corrugated iron, recycled set materials, steel, printing patterns fabric (e.g. Masterchef Germany brick backdrop)
	Plastic overshoes	Reusable overshoes
	CDs/DVDs	Electronic viewing of rushes instead of burning disks
	Polyboards	Lastolite Rapid reflectors
	Gaffer / Duct tape	Let your Production Exec know if you have found a more sustainable solution
	Electrical tape	Avoid PVC tapes. Let your Production Exec know if you have found a more sustainable solution
<b>Catering &amp; Cleaning</b>	SUP food containers on-screen	Glass jars, non-plastic containers on screen
	Single-use plastic water bottles	Reusable water bottles
	Coffee cups	Reusable coffee cups
	Beverages	Water and soda from a beverage dispenser, aluminium cans
	Sachets e.g. coffee/ketchup	Squeezy bottles, jars - avoid individually portioned items
	Snacks & sweets	Buy wholesale and put into dispensers – avoid individually portioned items.
	Polystyrene food containers	Ceramic crockery
	Plastic cutlery	Metal cutlery
	Sandwich packaging	Beeswax food wraps, reusable trays with recyclable greaseproof paper
	Cleaning products	Refillable bottles & cleaning cloths
	Sanitizers including wipes	Refillable bottles & FSC or recycled paper towel
	Single-use sponges	Re-usable sponges
Bin liners	Consider no liner in small bins for dry waste that are frequently emptied and recycled plastic bin bags for moist waste	



# The Equity Green Rider

An agreement to give actors and their agents the ability get more sustainability measures implemented on set.

The Green Rider is a tool to instigate collaboration and make the practical changes needed right now. It can and should be adapted to artist and production circumstances, and to ongoing discoveries about the challenges we face.

The Green Rider is about creating new norms and working across departments to reduce our environmental impact in productions, from the waste created to the way we travel.

[Albert Green Rider Template](#)

[Equity Green Rider](#)



- Travel / Accommodation
- Energy Use
- Materials and Waste

Overarching Principles where artist employed earlier, attached talent or Exec Producer credit

- Nature / Biodiversity
- Catering
- Travel / Accommodation
- Energy Use