

Guide to Sustainable Production and Cost Savings

Best Practices and Cost Savings

COSTS LESS

COST NEUTRAL

COSTS MORE

Integrating and embedding sustainable production practices into decision making has been shown to save the production money if looked at in a holistic way.

Certain practices cost less, are cost neutral, or may cost more.

Problem solving is what we do.

Best Practices and Cost Savings

COSTS LESS

- vegetarian food - meat is more expensive than plant protein
- bulk water (5 gal jugs)
- central purchasing
- material reuse and donations
- reducing materials also reduces waste disposal fees
- digital paperwork
- grid tie-ins - electricity costs less than fuel
- embedding sustainability throughout rather than outsourcing

COST NEUTRAL

- waste diversion - same number of bins, different color
- recycled content paper
- renewable diesel (in some areas)
- same catering budget, but set a cap on the amount of meat

COSTS MORE

- rental fees for Hybrid/EVs and battery power stations - but savings in fuel
- FSC certified wood
- crew reusable water bottles - but ask them to bring their own
- compostable food packaging (only in some places and in some cases)
- hiring a sustainability coordinator or consultant

Potential Cost Savings | A Crew of 100 Over 4 Months

Action	Impacts	Savings
Using reusable water bottles with bulk water refill stations	Eliminates 48,000 single-use plastic bottles (500 ml)	\$23,400
Going meat-free 1 day/week	1,020 kg of meat, and 61,200 tonnes of CO2e avoided	\$14,400
Going paperless	Saving trees and reducing waste or recycling	\$3,800
Using 200 LED (10W) bulbs instead of incandescent (60W)	Saving energy from lighting and air conditioning	\$408
Reusing materials instead of buying new and disposing	Endless opportunities for positive impacts!	\$???!

All values calculated based on real production data

Cost Savings Examples

Production	Savings	Key Actions	Source
The X-Files, Season 10 The X-Files, Season 11	\$41,000 \$150,000	<ul style="list-style-type: none"> Bulk water instead of single-use water bottles Grid power instead of generators Sustainability Consultant/Coordinator on set 	Green Spark Group, 2016-2017
The Magicians, Season 5	\$9,000 over 300,000 sheets of paper \$4.5 million* 30,000 litres of gas	<ul style="list-style-type: none"> Digital distro and scripts instead of printing Using plug-in hybrid vehicles and battery power 	<u>The Magicians Goes Green</u> , 2019
Annette	€5,000	<ul style="list-style-type: none"> Bicycle rentals to reduce their carbon footprint 	The GreenShot, 2021
Virgin River, Season 5**	40% reduced diesel generator fuel \$1.99 million*** 10,000 litres of gas	<ul style="list-style-type: none"> Mobile battery power to reduce generator usage Electric vehicles to reduce fuel consumption 	Netflix (<u>via SPF22</u>), 2022
Sony Pictures Virtual Production	>76% reduction in emissions	<ul style="list-style-type: none"> Study comparing Location filming emissions data and estimated virtual filming scenarios based on data 	<u>Sony Pictures, ICF</u> , 2022

*Cost savings estimated based on average 2019 retail gas price of 149.1 in Vancouver, BC (Statistics Canada)

**Netflix shared these interim findings at the Sustainable Production Forum 2022. They are not final as filming is ongoing

***Cost savings estimated based on average 2022 Jan-Sep retail gas price of 199.0 in Vancouver, BC (Statistics Canada)

Vehicle / Fuel Business Case Study

Shuttle Van Type	Associated Costs/week	Net Cost/week	Net Emissions/week
Internal Combustion Engine (ICE)	Rental: \$750 Fuel allow*: \$1,000	\$1,750	2.5 metric tonnes CO2e
Plug-in Hybrid Electric Vehicle (PHEV) Solution, 70% fuel use reduction	Rental: \$850 (incl. \$100 premium) Fuel allow*: \$300 Charging allow: \$50	\$1,200 (\$550 savings)	0.75 metric tonnes CO2e
Electric Vehicle (EV) Solution	Rental: \$950 (incl. \$200 premium) Fuel allow*: \$0 Charging allow: \$100	\$1,050 (\$700 savings)	0** metric tonnes CO2e

*Estimated \$3.50/gallon gasoline, 285 gallons/week

**Depends on electricity source

Data compiled by Clara George and Mari Jo Winkler with input by GSG, Jan 2022