Fact Sheet

Tour Energy Audit

This resource has been developed to support greater understanding of touring impacts. It outlines the basic steps to complete a Tour Energy Audit using the LPA IG Tool.

Greener Live Performances

through energy efficiency

Touring live performances is challenging and highly variable. Given Australia's size and dispersed population, along with its distance from the rest of the world, touring is essential to take performances to a wider audience.

Elements of a tour that are variable include:

- Cast and crew numbers;
- Tour distance;
- Number of shows booked in tour;
- Whether the tour is travelling locally, between capital cities or to regional and remote areas nationally; and
- Type of production being performed.

Non-variable challenges include:

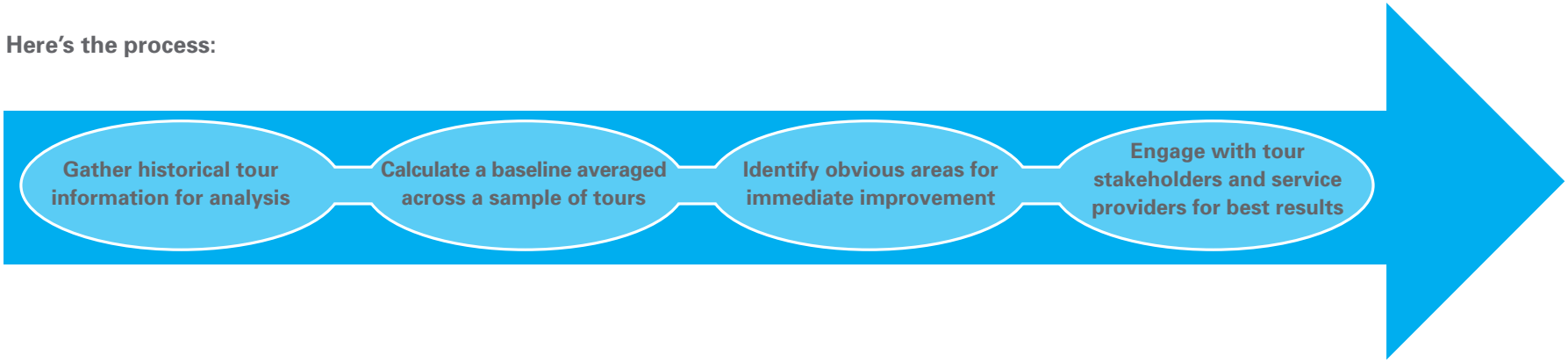
- Need to travel from one place to the next;
- Cast and crew will travel to deliver the show;
- Production freight will need to be transported; and
- Accommodation is required.

The first step to achieving a more energy efficient tour is to understand your energy consumption areas. Whilst traditionally not general practice in the touring industry, a Tour Energy Audit will help you to:

- Understand your tour's energy impact;
- Identify the highest energy consumption areas within the tour; and
- Identify opportunities to decrease energy consumption, also reducing your energy related costs.

Energy Audits are completed in many businesses across a wide range of industry sectors, the most well know being commercial buildings, manufacturing and logistics. The process for a Tour Energy Audit uses a similar framework. Even though we are assessing a travelling artistic presentation, it could be likened to an assessment for a freight and logistics company.

Here's the process:



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This Activity received funding from the Department of Industry as part of the Energy Efficiency Information Grants Program.

Step 1 - Gather historical tour information for analysis

All touring companies and touring coordinators have a plethora of tour related information they need to collect for investors or funding bodies. Sorting through what you've already got is the best place to start. The key information you will need to gather include:

- Tour profile including; number of tour stops, total kilometres travelled, state or national tour, size of cast, number of crew, type of production performed;
- Number and type of travel modes for cast and crew, including a breakdown of kilometres travelled by mode;
- Number and type of travel modes for production freight, including a breakdown of kilometres per tonne of freight moved by mode; and
- Number of per person accommodation nights for the whole tour.

Step 2 - Calculate a baseline average across a sample of your tours

The LPA-IG Tool is an online calculator developed to assist touring productions to measure their energy impacts and calculate greenhouse gas emissions.

Once you've gathered historical tour data, it can be inputted into the LPA-IG tool and the calculations will be automatically performed.

The platform has function to record multiple tours and save them for review. The LPA-IG tool has the capacity to plot all of your tours on a bar graph for instant comparison. Using the measurements provided on the summary page of the tool, you can calculate a benchmark average across all tours.

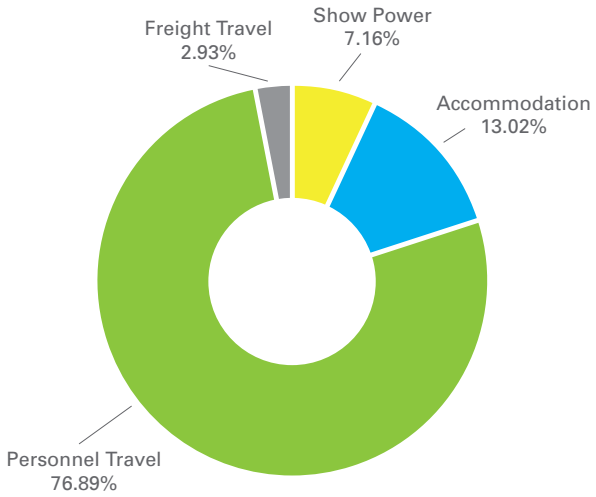
This benchmark becomes the comparison point for all future planned tours. Those tours achieving results better than the benchmark should be reviewed to allow production companies and tour coordinators to understand what decisions supported the improved performance outcome. Then you can replicate them!

Link to the tool: **https://lpa.ig-tools.com**

Step 3 - Identify obvious areas for immediate improvement

Once you've entered your touring data into the LPA-IG tool, the summary page will breakdown your tour impacts in this way:

Graph 1 - Sample overview of Tour Impacts



Whilst the tool does not provide a total breakdown of impact by mode, the graph does clearly show that Personnel Travel is by far the largest impact. This becomes the first category for further investigation to determine how efficiencies can be made possible.

Further information has been provided in the *Energy Efficient Touring Fact Sheet*. It outlines the different types of energy efficient transportation modes available to help you make more informed tour planning decisions.

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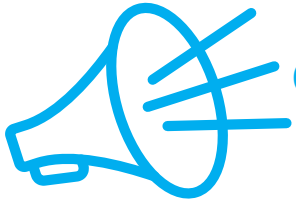
How often should you complete an audit?

That's easy. After every tour!

But… it will be important for you to revise your tour benchmark annually. Your tours will become more and more efficient over time; therefore the benchmark of efficiency will change. This is a good thing!



Call to Action

1. Log-on to the LPA-IG Tool and complete your tour baseline. **https://lpa.ig-tools.com**
2. Read the *Energy Efficient Touring Fact Sheet* to identify ways that your tours can improve.
3. Include Tour Energy Audit as an agenda item at next tour planning meeting.
4. Share your journey on the Greener Live Performances through Energy Efficiency LinkedIn Discussion Group", **http://www.linkedin.com/groups/Greener Live-Performances-through-Energy-6506285?home=&gid=6506285**

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