

# Sustainability Summit

The below answer sheet is for your own self-assessment. Please keep your completed questionnaires and answers on file for your record.

## How Electric Vehicles Will Impact Both Design & Sustainability In The Built Environment

### 1. What changes do you think EVs will make to our built environment?

- Will reduce carbon dioxide, nitrogen oxide, benzene and other carcinogens
- Underground charging stations for electric cars, more public parks on top of them and libraries, restaurants and vegetable patches populating what used to be petrol stations.

### 2. How will electric cars affect building design?

- No noise = less need for insulation
- 30 min recharge times means more cafes etc in buildings?
- Self-driving cars can be programmed to space out automatically, eliminating traffic congestion and change how we design roads
- Less need to design & build underground car parks

### 3. When do you think EVs will reach a tipping to become a majority?

To become 50 percent electric more than 564,000 additional electric cars need to be sold per year NSW Government has set a goal of 52 percent of all new-car sales being electric vehicles by 2030-31; Victoria has set a similar goal of 50 percent by 2030, In Queensland, the target is every new car to be electric by 2036, and other states are yet to lock in specific targets.

### 4. What unintended consequences will EVs have for our cities?

- When you're walking or biking in a city, you often rely on these engine sounds to sense when it's safe to cross.
- Due to their batteries, electric vehicles can weigh more than their petrol-powered counterparts.
- EVs generally need less maintenance and fewer repairs.