

Station Availability Definition

To avoid confusion, CaFCP members all use these common definitions when describing hydrogen stations' ability to provide fuel to customers:

- Up-time—the period that the station operated during a 24-hour period
- Reliability—the combination of equipment performance and service response time
- Availability—the period that the station operated during its potential operating time

The distinction between up-time and availability is important because some stations have limited operating hours.

Availability Algorithm

- Availability in [%] = actual operating time in [m] / potential operating time in [m]

with

- actual operating time in [m] = potential operating time in [m] - \sum down-times in [m]

and

- potential operating time in [m] = opening hours of the refueling station during the reported project time period (e.g. 7 AM – 10 PM = 960 minutes per day, during 30 days = 28,800 m)
- \sum down-times, in [m] = total time, no hydrogen refueling is possible at the refueling station (= unavailability of station)

California Fuel Cell Partnership

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