

[EnergyKit](#) / ElectricityGuidance

Structure

ElectricityGuidance

A data model that provides guidance on when electricity is cleaner and less expensive.

iOS 26.0+ | iPadOS 26.0+ | Mac Catalyst | macOS 26.0+

```
struct ElectricityGuidance
```

Overview

ElectricityGuidance provides information on grid quality and electricity cost, if cost information is available. You can use ElectricityGuidance to adjust the electricity consumption of your managed devices to times when electricity is cleaner, and optionally reduce the overall electricity consumption or cost of your managed devices.

Topics

Getting the electricity guidance data

```
class Service
```

An interface for obtaining electricity guidance data.

```
static let sharedService: ElectricityGuidance.Service
```

A single, shared guidance service object.

Getting the electrical load weight

`struct Value`

A normalized weighting value associated with a period of time, describing when to shift or reduce electricity use.

`let values: [ElectricityGuidance.Value]`

A series of weighted values for intervals of time, describing when to shift or reduce electricity use.

`enum Options`

An enumeration that describes additional factors that influence the weight of a value.

`let options: Set<ElectricityGuidance.Options>`

The additional factors that influence the weight of a value.

Identifying the guidance parameters

`let interval: DateInterval`

The time range to which the guidance applies.

`let energyVenueID: UUID`

An identifier for the physical location to which the guidance applies.

`let guidanceToken: UUID`

A unique token for the guidance that you use to create an electrical load event.

Getting the guidance suggestion

`struct Query`

A structure that encapsulates a electricity guidance query request.

`let suggestedAction: ElectricityGuidance.SuggestedAction`

A property that describes how the electrical load uses the guidance.

`enum SuggestedAction`

A description of how the electrical load uses the guidance.

Relationships

Conforms To

- Decodable
- Encodable
- Sendable
- SendableMetatype