Structure

ElectricityInsightQuery

A structure describing a query that you use to obtain environmental impact information in the form of electricity insight records.

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

```
struct ElectricityInsightQuery
```

Topics

Creating an insight query request

init(options: ElectricityInsightQuery.Options, range: DateInterval, granularity: ElectricityInsightQuery.Granularity, flowDirection: ElectricityFlowDirection)

    Creates an electricity insight query request.

Adding optional insight records

struct Options

    A set of options that specify optional information to include in electricity insight records returned from the insight service.

let options: ElectricityInsightQuery.Options

    The optional information to include in returned electricity insight records.

Getting the query request information

enum Granularity

The specific temporal granularity of electricity insight records.

let granularity: ElectricityInsightQuery.Granularity

The temporal granularity for returned electricity insight records.

let flowDirection: ElectricityFlowDirection

A property that specifies whether the response contains imported or exported energy.

let range: DateInterval

The requested date range.

Relationships

Conforms To

```
Decodable
Encodable
Sendable
SendableMetatype
```

See Also

Insights

struct ElectricityInsightRecord

A structure that provides environmental impact and cost insights for electricity usage over a specific time period.

actor ElectricityInsightService

A service for retrieving insights about electricity consumption.

protocol ElectricityInsightMeasure

A protocol for types that can measure electricity usage data.