
nem Documentation

Release 0.0.1

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Jan 29, 2018

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This is an example on how to use the nem module to read data from AEMO.

```
import nem

for document in nem.current.DispatchIS:
    for data in document.filter("PRICE"):
        if data["REGIONID"] == "VIC1":
            print(data["RRP"])

# prints out the RRP for VIC

print(nem.generators()["GSTONE1"]["Fuel Source - Primary"])
# 'Fossil'
# prints out the primary fuel source for gstone
```

nem.archive = <nem.importer.importer object>

Provides a nem.importer for archive data

nem.current = <nem.importer.importer object>

Provides a nem.importer for current data

nem.direct

Provides a nem.importer.document for single use file extraction

alias of document

nem.generators

Dictionary of generators and their data from the participants list

alias of stationdata

nem.historical = <nem.importer.importer object>

Provides a nem.importer for historical data (10+ years)

class nem.importer.document(url)

Bases: object

Lists all the documents available for parsing by this module

Parameters url (string) – URL to parse

clean_data

Provides a dictionary of all the datasets

Return type object

Returns {"dataset1":[{"header1":"value"}]}

data

Provides the raw data from the file

Return type list

Returns Array of raw lines of data

datasets

Provides lists of datasets in the file

Return type list

Returns Array of datasets available

dateTime = None

Provides a datetime object for the file based on the timestamp in the filename

Return type datetime

filter (*dataSet*)

Filters out data to a specific dataset and return that set

Return type [{"header1": "data1"}]

class `nem.importer.files` (*baseUrl*, *historical*)

Bases: list

Lists all the documents available for parsing by this module

Parameters

- **baseUrl** (string) – URL to list files for
- **historical** (string) – Enables generating a list of files for every year, requires being set to the filename requested (eg PUBLIC_DVD_P5MIN_REGIONSOLUTION)

Returns Returns an array of documents

Return type [document]

class `nem.importer.importer` (*url*= 'http://www.nemweb.com.au/Reports/CURRENT/', *historical*=False)

Bases: object

Impoter class allows downloading data from AEMO NEM site

Parameters

- **url** (string) – URL to the NEM server
- **historical** (boolean) – Access to historical data using the MMSDM data

Returns Returns an array of documents

Return type [document]

CO2 = None

NEM CO2 data documents

Return type [document]

DispatchIS = None

NEM DispatchIS data documents

Return type [document]

Notices = None

NEM Notices data documents

Return type [document]

SCADA = None

NEM SCADA data documents

Return type [document]

p5 = None

NEM p5 data documents

Return type [document]

CHAPTER 1

Indices and tables

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