

MIPI WTR API Calling Sample file

1) GMRS API Calling through PostMan tool

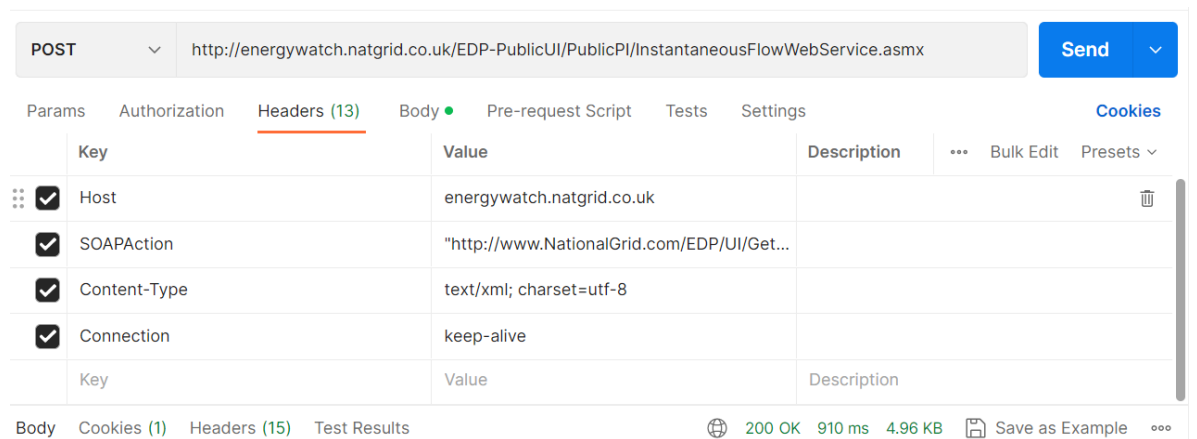
URL : <http://energywatch.natgrid.co.uk/EDP-PublicUI/PublicPI/InstantaneousFlowWebService.asmx>

Headers: - Below parameter need to pass in header of API request

SOAPAction : <http://www.NationalGrid.com/EDP/UI/GetInstantaneousFlowData>

Host : energywatch.natgrid.co.uk

Content-Type : text/xml; charset=utf-8



Key	Value	Description
Host	energywatch.natgrid.co.uk	
SOAPAction	"http://www.NationalGrid.com/EDP/UI/Get..."	
Content-Type	text/xml; charset=utf-8	
Connection	keep-alive	

Body Cookies (1) Headers (15) Test Results 200 OK 910 ms 4.96 KB Save as Example

API Request Body

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap="htt
p://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <GetInstantaneousFlowData xmlns="http://www.NationalGrid.com/EDP/U
I/" />
  </soap:Body>
</soap:Envelope>
```

GMR... / P... / http://energywatch.natgrid.co.uk/EDP-PublicUI/PublicPI/Instantane...

Save ...

POST http://energywatch.natgrid.co.uk/EDP-PublicUI/PublicPI/InstantaneousFlowWebService.asmx Send

Params Authorization Headers (13) **Body** Pre-request Script Tests Settings Cookies

none form-data x-www-form-urlencoded **raw** binary GraphQL XML Beautify

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/
  XMLSchema" xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
3   <soap:Body>
4     <GetInstantaneousFlowData xmlns="http://www.NationalGrid.com/EDP/UI"/>
5   </soap:Body>
6 </soap:Envelope>

```

API Response

GMR... / P... / http://energywatch.natgrid.co.uk/EDP-PublicUI/PublicPI/Instantane...

Save ...

POST http://energywatch.natgrid.co.uk/EDP-PublicUI/PublicPI/InstantaneousFlowWebService.asmx Send

Params Authorization Headers (13) **Body** Pre-request Script Tests Settings Cookies

none form-data x-www-form-urlencoded **raw** binary GraphQL XML Beautify

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/
  XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">

```

Body Cookies (1) Headers (15) Test Results 200 OK 910 ms 4.96 KB Save as Example

Pretty Raw Preview Visualize XML

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/
  XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">
3   <soap:Body>
4     <GetInstantaneousFlowDataResponse xmlns="http://www.NationalGrid.com/EDP/UI/">
5       <GetInstantaneousFlowDataResult>
6         <ReportName xmlns="http://www.NationalGrid.com/EDP/BusinessEntities/Public">Instantaneous
          Flow Report</ReportName>
7         <PublishedTime xmlns="http://www.NationalGrid.com/EDP/BusinessEntities/
          Public">2023-04-19T15:35:10</PublishedTime>
8         <EDPReportPage xmlns="http://www.NationalGrid.com/EDP/BusinessEntities/Public">
9           <PageName>page1</PageName>
10          <CurrentPageNav>?A23-04-19T00:00:00/CurrentPageNav

```

Cookies Capture requests Runner Trash

2) Pull API Calling through PostMan tool

URL : <http://marketinformation.natgrid.co.uk/MIPIws-public/public/publicwebservice.asmx>

Headers: - Below parameter need to pass in header of API request

SOAPAction : <http://www.NationalGrid.com/MIPI/GetPublicationDataWM>

Host : marketinformation.natgrid.co.uk

Content-Type: text/xml; charset=utf-8

Headers 9 hidden

Key	Value	Description	...	Bulk Edit	Presets
<input checked="" type="checkbox"/> SOAPAction	"http://www.NationalGrid.com/MIPI/GetPu...				
<input checked="" type="checkbox"/> Host	marketinformation.natgrid.co.uk				
<input checked="" type="checkbox"/> Content-Type	text/xml; charset=utf-8				
Key	Value	Description			

API Request

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap="http://sc
hemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <GetPublicationDataWM xmlns="http://www.NationalGrid.com/MIPI/">
      <reqObject>
        <LatestFlag>Y</LatestFlag>
        <ApplicableForFlag>Y</ApplicableForFlag>
        <ToDate>2022-09-15T00:00:00</ToDate>
        <FromDate>2021-09-13T00:00:00</FromDate>
        <DateType>GASDAY</DateType>
        <PublicationObjectNameList>
          <string>Composite Weather Variable - Normal</string>
        </PublicationObjectNameList>
      </reqObject>
    </GetPublicationDataWM>
  </soap:Body>
</soap:Envelope>
```

POST ▼ http://marketinformation.natgrid.co.uk/MIPIws-public/public/publicwebservice.asmx Send ▼

Params Authorization Headers (12) **Body** Pre-request Script Tests Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL JSON ▼ ⚠ Beautify

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/
  XMLSchema" xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
3   <soap:Body>
4     <GetPublicationDataWM xmlns="http://www.NationalGrid.com/MIPI/">
5       <reqObject>
6         <LatestFlag>Y</LatestFlag>
7         <ApplicableForFlag>Y</ApplicableForFlag>
8         <ToDate>2022-09-15T00:00:00</ToDate>
9         <FromDate>2021-09-13T00:00:00</FromDate>
10        <DateType>GASDAY</DateType>
11        <PublicationObjectNameList>
12        <string>Composite Weather Variable - Normal</string>

```

Value should be 'Y' or 'N' but not Blank and parameter should not be removed

Body Cookies (1) Headers (13) Test Results 📄 200 OK 1217 ms 8.94 KB 📄 Save as Example ⋮

POST ▼ http://marketinformation.natgrid.co.uk/MIPIws-public/public/publicwebservice.asmx Send ▼

Params Authorization Headers (12) **Body** Pre-request Script Tests Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL JSON ▼ ⚠ Beautify

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/
  XMLSchema" xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
3   <soap:Body>
4     <GetPublicationDataWM xmlns="http://www.NationalGrid.com/MIPI/">
5       <reqObject>
6         <LatestFlag>Y</LatestFlag>
7         <ApplicableForFlag>Y</ApplicableForFlag>
8         <ToDate>2022-09-15T00:00:00</ToDate>
9         <FromDate>2021-09-13T00:00:00</FromDate>
10        <DateType>GASDAY</DateType>
11        <PublicationObjectNameList>
12        <string>Composite Weather Variable - Normal</string>

```

Body Cookies (1) Headers (13) Test Results 📄 200 OK 1217 ms 8.94 KB 📄 Save as Example ⋮

API response

Pull... / Pr... / <http://mip-prdpull-api.azurewebsites.net/MIPIws-public/public/publi...> Save ... ✎ ☰

POST <http://marketinformation.natgrid.co.uk/MIPIws-public/public/publicwebservice.asmx> Send

Params Authorization Headers (12) **Body** Pre-request Script Tests Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL **JSON** ⚠ Beautify

1 `<?xml version="1.0" encoding="utf-8"?>`

Body Cookies (1) Headers (13) Test Results 🌐 200 OK 1217 ms 8.94 KB 📄 Save as Example ...

Pretty Raw Preview Visualize XML ↔ 📄 🔍

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/
  XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">
3   <soap:Body>
4     <GetPublicationDataWMResponse xmlns="http://www.NationalGrid.com/MIPI/">
5       <GetPublicationDataWMResult>
6         <CLSMIPIPublicationObjectBE>
7           <PublicationObjectName>Composite Weather Variable - Normal</PublicationObjectName>
8           <PublicationObjectData>
9             <CLSPublicationObjectDataBE>
10              <ApplicableAt>2021-09-17T07:19:17Z</ApplicableAt>
11              <ApplicableFor>2021-09-13T00:00:00Z</ApplicableFor>
12              <Value>14.8</Value>
13              <GeneratedTimeStamp>2021-09-17T07:19:18Z</GeneratedTimeStamp>

```