

Retailer Data Exchange

RDE

In September 21 Anglian Water launched RDE (Retailer Data Exchange) to provide granular smart AMI data direct to retailers through an API (Application Programming Interface) and/or an SFTP data download. This is a non-chargeable service to Retailers, enabling collaboration in addressing future water resource challenges. Data is currently available for circa 24k NHH meters.

Retailer Data Exchange: API option

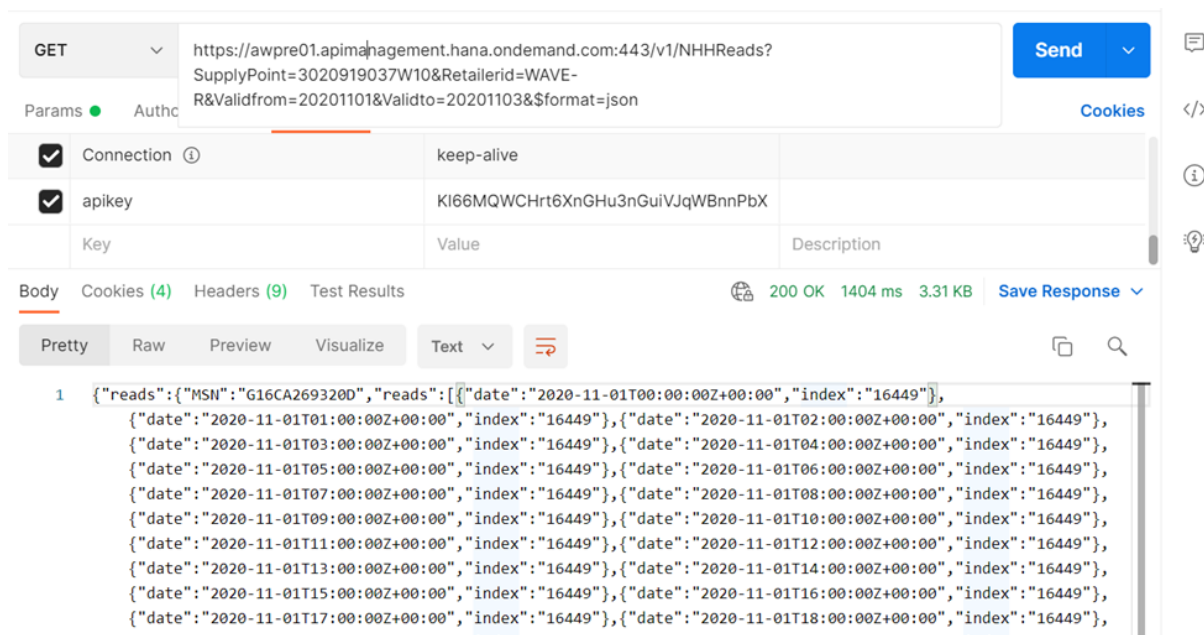
The retailer will be required to connect to the API to enable them to call the specific customer data required, by SPID, MSN and date. The request is validated automatically to ensure the retailer is requesting their customer data. A check is also done to see if they are requesting data for a smaller customer who falls in the scope of GDPR.

- If the request is validated and consent has been given, the data returned can be based on the **hourly** data available through smart meters.
- If the request is validated but consent has not been given the data returned will be based on **daily** data available through smart metering.
- If the request is not validated, a 'fail' message is delivered to the requester.

The data is held in the Anglian Water OT platform and this holds up to the previous 45 days' data. It is up to retailers to request and store the data as they require.

Key Points/Benefits:

- Latest smart meter read data available on demand
- Up to 45 days of historical data can be accessed



GET https://awpre01.apimanagement.hana.ondemand.com:443/v1/NHHReads?SupplyPoint=3020919037W10&Retailerid=WAVE-R&Validfrom=20201101&Validto=20201103&\$format=json

Params Auth Cookies

<input checked="" type="checkbox"/>	Connection ⓘ	keep-alive	
<input checked="" type="checkbox"/>	apikey	KI66MQWCHrt6XnGHu3nGuiVJqWBnnPbX	
	Key	Value	Description

Body Cookies (4) Headers (9) Test Results 200 OK 1404 ms 3.31 KB Save Response

Pretty Raw Preview Visualize Text

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1 [{"reads":{"MSN":"G16CA269320D","reads":[{"date":"2020-11-01T00:00:00+00:00","index":"16449"},
{"date":"2020-11-01T01:00:00+00:00","index":"16449"},{"date":"2020-11-01T02:00:00+00:00","index":"16449"},
{"date":"2020-11-01T03:00:00+00:00","index":"16449"},{"date":"2020-11-01T04:00:00+00:00","index":"16449"},
{"date":"2020-11-01T05:00:00+00:00","index":"16449"},{"date":"2020-11-01T06:00:00+00:00","index":"16449"},
{"date":"2020-11-01T07:00:00+00:00","index":"16449"},{"date":"2020-11-01T08:00:00+00:00","index":"16449"},
{"date":"2020-11-01T09:00:00+00:00","index":"16449"},{"date":"2020-11-01T10:00:00+00:00","index":"16449"},
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{"date":"2020-11-01T15:00:00+00:00","index":"16449"},{"date":"2020-11-01T16:00:00+00:00","index":"16449"},
{"date":"2020-11-01T17:00:00+00:00","index":"16449"},{"date":"2020-11-01T18:00:00+00:00","index":"16449"},
...

```

Retailer Data Exchange: SFTP option

A data download is shared with the Retailer as a weekly data 'dump' for each customer, either containing daily or hourly data, depending on GDPR requirements.

Data is held for a rolling 30 days.

It is then the retailers' responsibility to pick it up from the SFTP.

	A	B	C	D	E	F	G
1	RETID	SPID	AMRID	MSN	CONSENT_FLAG	DATETIME	INDEX
2	RETAILER-	3012345678W12	311371234	G21XU123456A		2021.11.27 23:00:00	115479
3	RETAILER-	3012345678W12	311371234	G21XU123456A		2021.11.28 23:00:00	115930
4	RETAILER-	3012345678W12	311371234	G21XU123456A		2021.11.29 23:00:00	116942
5	RETAILER-	3012345678W12	311371234	G21XU123456A		2021.11.30 23:00:00	118360
6	RETAILER-	3012345678W12	311371234	G21XU123456A		2021.12.01 23:00:00	119588
7	RETAILER-	3092345678W13	311371234	G21XU123456A		2021.12.02 23:00:00	120806
8	RETAILER-	3092345678W13	311115678	G21XU123456B		2021.11.27 23:00:00	772736
9	RETAILER-	3092345678W13	311115678	G21XU123456B		2021.11.28 23:00:00	777547
10	RETAILER-	3092345678W13	311115678	G21XU123456B		2021.11.29 23:00:00	783062
11	RETAILER-	3092345678W13	311115678	G21XU123456B		2021.11.30 23:00:00	787668
12	RETAILER-	3092345678W13	311115678	G21XU123456B		2021.12.01 23:00:00	790601
13	RETAILER-	3092345678W13	311115678	G21XU123456B		2021.12.02 23:00:00	794211

Further details can be found in the [Retailer data exchange overview document](#), about how to connect to the API or receive data through the SFTP