Service Description

Atmospheric G2
Energy and Power Products

This Service Description describes the Service Atmospheric G2 ("AG2") provides to Client. Client means the contracting party and its authorized users and recipients of the Cloud Service. The applicable Quotation is provided as a separate Order Form.

1. Service

The AG2 Service for AG2 Energy and Power Products (Service) provides Client with access to Data as described in the following AG2 Service offerings (collectively, the "AG2 Energy and Power Products"). "Data" means weather data, both historical and forecast, delivered via the Service (including without limitation forecasts, maps, alerts and graphs) as described in this Service Description.

1.1 AG2 Trader

Service	Description
AG2 Trader North America Standard Gas	Weather Decision Support Platform providing forecasts covering the time period from present out to 5 months. Forecasts for days 1-15 are provided at both daily and hourly resolution. Forecasts issued at monthly resolution for months 1 through 5. Forecasts and observations are provided for over 125 cities across North America. 1-15 day forecasts provided for both cities and the Natural Gas Regions across North America.
AG2 Trader North America Standard Power	Weather Decision Support Platform providing forecasts covering the time period from present out to 5 months. Forecasts for days 1-15 are provided at both daily and hourly resolution. Forecasts issued at monthly resolution for months 1 through 5. Forecasts and observations are provided for over 125 cities across North America. 1-15 day forecasts provided for both cities and Power Regions across North America.
AG2 Trader North America Basic	Weather Decision Support Platform providing forecasts covering the time period from present out to 5 months. Forecasts for days 1-15 are provided at both daily and hourly resolution. Forecasts issued at monthly resolution for months 1 through 5. Forecasts are provided for over 50 cities across North America. 1-15 day forecasts provided for both cities and Natural Gas Regions across North America.

AG2 Trader North America Gold National	Weather Decision Support Platform providing forecasts covering the time period from present out to 5 months. Forecasts for days 1-15 are provided at both daily and hourly resolution. Forecasts issued at monthly resolution for months 1 through 5. Forecasts and observations are provided for over 180 cities across North America. 1-15 day forecasts provided for cities, power regions and natural gas regions across North America. In addition, the following set of features are provided with the package 1). Proprietary and Weather Model Sub-Seasonal Forecasts. 2). Detailed Sub-Seasonal Forecast discussion. 3). 1-15 Day Weather Model forecasts for individual cities. 4). Weather Model Cluster Analysis 5). Weather Model Teleconnection Forecasts.
AG2 Trader North America Gold East	Weather Decision Support Platform providing forecasts covering the time period from present out to 5 months. Forecasts for days 1-15 are provided at both daily and hourly resolution. Forecasts issued at monthly resolution for months 1 through 5. Forecasts and observations are provided for over 100 cities across North America. 1-15 day forecasts provided for cities, power regions across the Eastern half of North America and natural gas regions. In addition, following set of features are provided with the package 1). Proprietary and Weather Model Sub-Seasonal Forecasts. 2). Detailed Sub-Seasonal Forecast discussion. 3). 1-15 Day Weather Model forecasts for individual cities. 4). Weather Model Cluster Analysis 5). Weather Model Teleconnection Forecasts.
AG2 Trader North America Gold West	Weather Decision Support Platform providing forecasts covering the time period from present out to 5 months. Forecasts for days 1-15 are provided at both daily and hourly resolution. Forecasts issued at monthly resolution for months 1 through 5. Forecasts and observations are provided for over 100 cities across North America. 1-15 day forecasts provided for cities, power regions across the Western half of North America and natural gas regions. In addition, following set of features are provided with the package 1). Proprietary and Weather Model Sub-Seasonal Forecasts. 2). Detailed Sub-Seasonal Forecast discussion. 3). 1-15 Day Weather Model forecasts for individual cities. 4). Weather Model Cluster Analysis 5). Weather Model Teleconnection Forecasts.
AG2 Trader North America Gold Gas	Weather Decision Support Platform providing forecasts covering the time period from present out to 5 months. Forecasts for days 1-15 are provided at both daily and hourly resolution. Forecasts issued at monthly resolution for months 1 through 5. Forecasts and observations are provided for over 100 cities across North America. 1-15 day forecasts provided for cities across North America and natural gas regions. In addition, following set of features are provided with the package 1). Proprietary and Weather Model Sub-Seasonal Forecasts. 2). Detailed Sub-Seasonal Forecast discussion. 3). 1-15 Day Weather Model forecasts for individual cities. 4). Weather Model Cluster Analysis 5). Weather Model Teleconnection Forecasts.
AG2 Trader Europe Basic	Weather Decision Support Platform providing forecasts covering the time period from present out to 5 months. Forecasts for days 1-15 are provided at both daily and hourly resolution. Forecasts issued at monthly resolution for months 1 through 5. Forecasts are provided for over 100 cities across Europe

AG2 Trader Europe Standard	Weather Decision Support Platform providing forecasts covering the time period from present out to 5 months. Forecasts for days 1-15 are provided at both daily and hourly resolution. Forecasts issued at monthly resolution for months 1 through 5. Forecasts and observations are provided for over 100 cities across Europe. Wind and Solar Power forecasts for countries across Europe are provided.
AG2 Trader Europe Gold	Weather Decision Support Platform providing forecasts covering the time period from present out to 5 months. Forecasts for days 1-15 are provided at both daily and hourly resolution. Forecasts issued at monthly resolution for months 1 through 5. Forecasts are provided for over 100 cities across Europe. Forecasts and observations are provided for over 100 cities across Europe. Wind and Solar Power forecasts for countries across Europe are provided.

In addition, following set of features are provided with the package 1). Proprietary and Weather Model Sub-Seasonal Forecasts. 2). Detailed Sub-Seasonal Forecast discussion. 3). 1-15 Day Weather Model forecasts for individual cities. 4). Weather Model Cluster Analysis 5). Weather Model Teleconnection Forecasts. |
AG2 Trader Mexico	Weather Decision Support Platform providing forecasts covering the time period from present out to 5 months. Forecasts for days 1-15 are provided at both daily and hourly resolution. Forecasts issued at monthly resolution for months 1 through 5. Forecasts are provided for over 35 cities across Mexico. 1-15 day forecasts provided for both cities and Power Demand Regions across Mexico.
AG2 Trader Asia Basic	Weather Decision Support Platform providing forecasts covering the time period from present out to 5 months. Forecasts for days 1-15 are provided at both daily and hourly resolution. Weather model forecasts issued at monthly resolution for months 1 through 5. Forecasts are provided for over 30 cities across Asia where weather impacts natural gas demand. 1-15 day forecasts provided for the following set of countries: China, Japan, S. Korea.
AG2 Trader Asia Standard	Weather Decision Support Platform providing forecasts covering the time period from present out to 5 months. Forecasts for days 1-15 are provided at both daily and hourly resolution. Proprietary forecasts issued at monthly resolution for months 1 through 5. Forecasts are provided for over 30 cities across Asia where weather impacts natural gas demand. 1-15 day forecasts provided for the following set of countries: China, Japan, S. Korea.
AG2 Trader Asia Gold	Weather Decision Support Platform providing forecasts covering the time period from present out to 5 months. Forecasts for days 1-15 are provided at both daily and hourly resolution. Proprietary forecasts issued at monthly resolution for months 1 through 5. Forecasts are provided for over 30 cities across Asia where weather impacts natural gas demand. 1-15 day forecasts provided for the following set of countries: China, Japan, S. Korea.

In addition, following set of features are provided with the package 1). Weather Model Sub-Seasonal Forecasts 2). Weather Model Cluster Analysis 3). Weather Model Teleconnection Forecasts. |

AG2 Trader Point Forecasts	Point Forecast service offers Clients the ability to receive a customized text based file containing the latest AG2 Forecast and/or observations. Client provides the specific stations & weather parameters they wish to receive as well as details on temporal frequency of data (hourly or daily) and specific format. Data files can be hosted on a SFTP server or sent directly via email.
AG2 Trader – Meteorological Consultation Service	The Briefing Service provides a client access to speak to an AG2 energy meteorologist for a defined 15 minute window each business day. Service can be offered sometime during the period of 7am to 5pm local time, pending meteorologist availability. AG2 and Client will determine an agreeable time for consultation.
AG2 Trader North America Probabilistic Forecast Add-On	An add-on service to AG2 Trader North America, the Probabilistic Forecast provides the user the ability to visualize and understand the amount of uncertainty in The AG2 forecast provided on AG2 Trader.
AG2 Trader Europe - Probabilistic Forecast Add-On	An add-on service to AG2 Trader Europe, the Probabilistic Forecast provides the user the ability to visualize and understand the amount of uncertainty in The AG2 forecast provided on AG2 Trader.
AG2 Trader Asia - Probabilistic Forecast Add-On	An add-on service to AG2 Trader Asia, the Probabilistic Forecast provides the user the ability to visualize and understand the amount of uncertainty in The AG2 forecast provided on AG2 Trader.
AG2 Seasonal Forecasts – North America	Forecast discussion delivered in PDF format which provides temperature and precipitation forecasts for the next 5 months for North America. Discussion is issued the Tuesday of the 2nd full week of the month and updated again during the last week of the month.
AG2 Seasonal Forecasts – Europe	Forecast discussion delivered in PDF format which provides temperature and precipitation forecasts for the next 5 months for Europe. Discussion is issued the Thursday of the 2nd full week of the month and updated again during the last week of the month.
AG2 Seasonal Forecasts – Asia	Forecast discussion delivered in PDF format which provides temperature and precipitation forecasts for the next 5 months for Asia. Discussion is issued the last week of the month.

Service	Description
AG2 Sub-Seasonal Forecasts – North America	Forecast discussion delivered in PDF format which provides temperature and precipitation forecasts for weeks 3, 4, & 5 for North America. Discussion is updated every Tuesday at ~11am ET.
AG2 Sub-Seasonal Forecasts – Europe	Forecast discussion delivered in PDF format which provides temperature and precipitation forecasts for weeks 3, 4, & 5 for Europe. Discussion is updated every Wednesday at ~11am ET.

1.2   AG2 Power Demand Forecasts

Service	Description
AG2 Power Demand Forecasts – PJM	1-15 day forecast of the expected electricity demand in the PJM Power Region. Forecasts are updated every hour and displayed alongside the latest observations, weather model forecasts and the forecast issued by operator of the PJM Power Region. *
AG2 Power Demand Forecasts – ERCOT	1-15 day forecast of the expected electricity demand in the ERCOT Power Region. Forecasts are updated every hour and displayed alongside the latest observations, weather model forecasts and the forecast issued by operator of the ERCOT Power Region. *
AG2 Power Demand Forecasts – MISO	1-15 day forecast of the expected electricity demand in the MISO Power Region. Forecasts are updated every hour and displayed alongside the latest observations, weather model forecasts and the forecast issued by operator of the MISO Power Region. *
AG2 Power Demand Forecasts – CAISO	1-15 day forecast of the expected electricity demand in the CAISO Power Region. Forecasts are updated every hour and displayed alongside the latest observations, weather model forecasts and the forecast issued by operator of the CAISO Power Region. *
AG2 Power Demand Forecasts – NYISO	1-15 day forecast of the expected electricity demand in the NYISO Power Region. Forecasts are updated every hour and displayed alongside the latest observations, weather model forecasts and the forecast issued by operator of the NYISO Power Region. *
AG2 Power Demand Forecasts – ISO- NE	1-15 day forecast of the expected electricity demand in the ISONE Power Region. Forecasts are updated every hour and displayed alongside the latest observations, weather model forecasts and the forecast issued by operator of the ISO-NE Power Region. *

* AG2 Power Demand Forecasts are, in part, based on data provided by the European Centre for Medium Range Weather Forecasting (ECMWF).

1.3   AG2 WindCast IQ

Service	Description
AG2 WindCast IQ – CAISO	1-7 day hourly forecasts of expected wind power generation in the CAL ISO Power Region. Forecasts are provided for both the key wind farms and the aggregate region and sub-regions. Service is provided in partnership with WoodMac who provides daily reports and access to analysts/meteorologist to discuss the forecast.
AG2 WindCast IQ - BPA	1-7 day hourly forecasts of expected wind power generation in the BPA Power Region. Forecasts are provided for both the key wind farms and the aggregate region and sub-regions. Service is provided in partnership with WoodMac who provides daily reports and access to analysts/meteorologist to discuss the forecast.
AG2 WindCast IQ - SPP	1-7 day hourly forecasts of expected wind power generation in the SPP Power Region. Forecasts are provided for both the key wind farms and the aggregate region and sub-regions. Service is provided in partnership with WoodMac who provides daily reports and access to analysts/meteorologist to discuss the forecast.
AG2 WindCast IQ - PJM	1-7 day hourly forecasts of expected wind power generation in the PJM Power Region. Forecasts are provided for both the key wind farms and the aggregate region and sub-regions. Service is provided in partnership with WoodMac who provides daily reports and access to analysts/meteorologist to discuss the forecast.
AG2 WindCast IQ – NYISO/ISO-NE	1-7 day hourly forecasts of expected wind power generation in the NYISO & ISO-NE Power Region s. Forecasts are provided for both the key wind farms and the aggregate region and sub-regions. Service is provided in partnership with WoodMac who provides daily reports and access to analysts/meteorologist to discuss the forecast.

AG2 WindCast IQ forecasts are, in part, based on data provided by the European Centre for Medium Range Weather Forecasting (ECMWF).

1.4   AG2 Trader Model Data

Service	Description
AG2 Trader Model Data – Global	AG2 Model Data provides access to a suite of graphics which visualizes data from the 3 most common weather models, GFS, ECMWF & GEM as well as Deep Thunder. Graphics are delivered via the SaaS based platform and for view covering all major continents of the globe.
AG2 Trader Model Data – Africa	AG2 Model Data provides access to a suite of graphics which visualizes data from the 3 most common weather models, GFS, ECMWF & GEM as well as Deep Thunder. Graphics are delivered via the SaaS based platform and for views covering the African continent.

AG2 Trader Model Data – Asia	AG2 Model Data provides access to a suite of graphics which visualizes data from the 3 most common weather models, GFS, ECMWF & GEM as well as Deep Thunder. Graphics are delivered via the SaaS based platform and for views covering the Asian continent.
AG2 Trader Model Data – Australia	AG2 Model Data provides access to a suite of graphics which visualizes data from the 3 most common weather models, GFS, ECMWF & GEM as well as Deep Thunder. Graphics are delivered via the SaaS based platform and for views covering the Australian continent.
AG2 Trader Model Data – Europe	AG2 Model Data provides access to a suite of graphics which visualizes data from the 3 most common weather models, GFS, ECMWF & GEM as well as Deep Thunder. Graphics are delivered via the SaaS based platform and for views covering the European continent.
AG2 Trader Model Data – North America	AG2 Model Data provides access to a suite of graphics which visualizes data from the 3 most common weather models, GFS, ECMWF & GEM as well as Deep Thunder. Graphics are delivered via the SaaS based platform and for views covering the North American continent.
AG2 Trader Model Data – South America	AG2 Model Data provides access to a suite of graphics which visualizes data from the 3 most common weather models, GFS, ECMWF & GEM as well as Deep Thunder. Graphics are delivered via the SaaS based platform and for views covering the South American continent.

1.5   AG2 Trader Snowflake DS

Service	Description
AG2 Trader Snowflake DS – AG2 Location Forecasts	Access to historical AG2 daily and hourly forecasts. The timeframe in which data is available varies by station and is outlined in a metadata table within the Snowflake database. The specific set of stations in which the user has access is based on the service tier and continent(s) purchased.
AG2 Trader Snowflake DS – AG2 Weighted Degree Day Forecasts	Access to historical AG2 Weighted Degree Day forecasts (Gas, Electric, Oil and Population) for the North America gas regions. Forecasts are available back to Jan 1, 2019. Forecasts are provided for both the old and current EIA regions. Forecasts are provided for both individual days and periods.
AG2 Trader Snowflake DS – Weather Observations	Access to historical daily and hourly observations. The timeframe in which data is available varies by station and is outlined in a metadata table within the Snowflake database. Specific set of stations in which the user has access is based on the service tier and continent(s) purchased.

AG2 Trader Snowflake DS – Weighted Degree Day Observations	Access to historical daily Weighted Degree Day observations (Gas, Electric, Oil and Population) for the North America gas regions. Observations are provided back to Jan 1, 1960 and are provided for both the old and current EIA gas regions.

2. Service Levels and Technical Support

2.1 Service Level Agreement

AG2 shall use commercially reasonable efforts to provide support for the Service as set forth in the Service Level Agreement, available online at www.atmosphericG2.com/agreements/SLA and incorporated by reference herein ("SLA"), provided that the SLA shall not be deemed violated by AG2 in the event the Service or the Platform is unavailable due to a Force Majeure Event.

2.2 Technical Support

Technical support for the Cloud Service is provided via email and telephone. Technical support is offered with the Cloud Service and is not available as a separate offering. Contact details for support are support@atmosphericg2.com / +001.603.421.6922

3. Additional Terms – AG2 Trader Snowflake DS

3.1 Termination of Service

Upon termination of the Agreement, the Client shall immediately cease all use of and delete all Data obtained through the Snowflake data access service from its internal systems, backups, and any other storage. The Client shall provide written confirmation to the Service Provider within 30 days that all data has been permanently deleted.

3.2 Restrictions on Usage

The Client shall use the data accessed through the Snowflake service strictly for the purposes defined in this Agreement. Any resale, sharing, or distribution of the data to third parties without explicit permission from AG2 is strictly prohibited. Except as specifically provided in this Agreement, neither Client nor any of its Users may: (i) copy the Product, or any material subset thereof; (ii) modify or create derivative works or improvements to the Product, or any material subset thereof, in order to build a competitive product or service; (iii) publish, disseminate, distribute, or provide access of any kind to the Product, or any material subset thereof, to any third party; (iv) sell, sublicense, loan, lease, assign, authorize others to access, use, disclose, or attempt to grant any rights to, the Product, or any material subset thereof, to third parties; (v) except as permitted by law, decompile, disassemble, reverse engineer, or otherwise attempt to derive source code from the Product; (vi) use the Product or any material subset thereof to act as a consultant to third parties, service bureau, or application service provider

3.3 Service Description and Access

AG2 agrees to provide the Client with data access through the Snowflake platform as outlined in the SSA. The Client will be granted access to the specified datasets via direct Snowflake connection, subject to the terms and conditions stated herein.

3.4   Data Ownership and Intellectual Property Rights

All data accessed through the Service remains the sole property of AG2. The Client does not claim ownership of any data retrieved by the client within the Snowflake environment. Any derivative works created using the data during the provision of the service shall be owned by the Client.