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 SD.

1.1 AG2 Energy Trader

Service	Description
AG2 Energy 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 Energy 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 Energy 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 Energy Trader North America Complete 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. *
AG2 Energy Trader North America Complete 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. *
AG2 Energy Trader North America Complete 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. *
AG2 Energy Trader Europe	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. 1-15 day forecasts provided for the following set of countries: UK, Ireland, France, Portugal, Spain, Benelux, Austria, Switzerland, Germany, Denmark, Finland, Sweden, Norway, Greece, Italy, Poland, Turkey, Ukraine, Czech Republic, Slovakia, Baltic Region, Western Russia, SE Europe.
AG2 Energy 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 Energy Trader Asia	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 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 Energy Trader Australia	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 cities across Eastern Australia where weather impacts natural gas and power demand. An example of cities in which 1-15 day forecasts are provided for includes Sydney, Brisbane and Melbourne.

AG2 Energy Trader North America - Advanced Weather Add-On	An add-on service to Energy Trader North America, the Advanced Weather Add-on provides access to an additional suite of products providing advanced meteorological insight to further help traders determine weather's impact on energy commodity prices. The package provides access to the following 5 features: 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 Energy Trader Europe - Advanced Weather Add-On	An add-on service to Energy Trader Europe, the Advanced Weather Add-on provides access to an additional suite of products providing advanced meteorological insight to further help traders determine weather's impact on energy commodity prices. The package provides access to the following 5 features: 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 Energy Trader Asia - Advanced Weather Add-On	An add-on service to Energy Trader Asia, the Advanced Weather Add-on provides access to an additional suite of products providing advanced meteorological insight to further help traders determine weather's impact on energy commodity prices. The package provides access to the following 4 features: 1). Weather Model Sub-Seasonal Forecasts. 2). 1-15 Day Weather Model forecasts for individual cities. 3). Weather Model Cluster Analysis 4). Weather Model Teleconnection Forecasts.
AG2 Energy Trader Australia - Advanced Weather Add-On	An add-on service to Energy Trader Australia, the Advanced Weather Addon provides access to an additional suite of products providing advanced meteorological insight to further help traders determine weather's impact on energy commodity prices. The package provides access to the following 4 features: 1). Weather Model Sub-Seasonal Forecasts. 2). 1-15 Day Weather Model forecasts for individual cities. 3). Weather Model Cluster Analysis 4). Weather Model Teleconnection Forecasts.
AG2 Energy 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 Energy 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 Energy Trader North America Probabilistic Forecast Add-On	An add-on service to AG2 Energy 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 Energy Trader.

AG2 Energy Trader Europe - Probabilistic Forecast Add-On	An add-on service to AG2 Energy 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 Energy Trader.
AG2 Energy Trader Asia - Probabilistic Forecast Add-On	An add-on service to AG2 Energy 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 Energy Trader.
AG2 Energy Trader Australia - Probabilistic Forecast Add-On	An add-on service to AG2 Energy Trader Australia, the Probabilistic Forecast provides the user the ability to visualize and understand the amount of uncertainty in The AG2 forecast provided on AG2 Energy 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.
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.

Service	Description
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 Energy Trader Model Data

Service	Description
AG2 Energy 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 Energy 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 Energy 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 Energy 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 Energy 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 Energy 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 Energy 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.

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