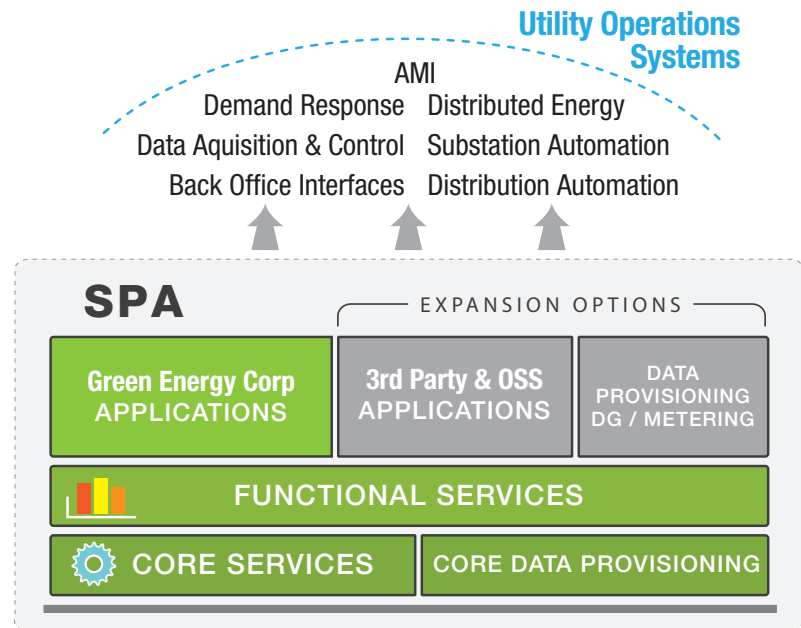


Green Energy Corp's revolutionary Software Purchase Agreement (SPA) allows Utilities to use the powerful GreenBus software platform on a pay-as-you-grow basis. This Smart Grid platform includes applications and functionality that can be activated on an as-needed basis. It is delivered via a secure cloud-based subscription service and eliminates capital expenditures while streamlining operations for the power utility.



Green Energy Corp GreenBus SPA

Key Benefits

- Pay-as-you-go model offers efficiency, cost reduction
- Replaces capital expenditures for IT systems and software with predictable annual subscription fee
- Activate only the functions you need, when you need them
- Easy access to new technology, including try-before-you-buy options
- 24/7 “utility grade” performance, scalability and availability

World Class Cloud-Based Services

The GreenBus SPA subscription supports real-time operational systems using Green Energy Corp's GreenBus software in a hosted environment. The GreenBus facilitates the capture and management of high volume, real-time field device data and provides interoperability for applications to access and share operational data securely.

The GreenBus is also an open software platform to integrate emerging technologies – like renewables, storage and electric vehicles – into the next generation or ‘smart’ grid. GreenBus is hosted in a state-of-the-art data center including virtualized servers, redundant back-up systems, and physical and cyber security capabilities.

Subscription Overview

The SPA Subscription is a 7-year subscription providing commercialized software, security and compliance, support for industry standards, configuration management, formalized quality assurance and continuous operational support. The subscription includes standard capabilities and add-on options as they become available during the contract term. The standard subscription includes:

- GreenBus End User License Agreement for *Core Services*, *Functional Services* and select *Green Energy Corp Applications*
- Support and Maintenance – testing, validation, upgrades and technical support
- Real-Time Data Provisioning – configuration, data migration and data provisioning

FEATURE	DESCRIPTION & BENEFITS
Subscription Based	<p>Software Purchase Agreement Energy Control Center (ECC) delivered by cloud-based subscription service.</p> <p>Financial and functional flexibility for a utility through a Software Purchase Agreement (SPA).</p>
Term	7 Year
Standard Subscription	<p>Adaptors DNP3, ModBus, IEC 61850 & OpenADR</p> <p>GreenBus Core Services Fault tolerant distributed database for real time capture and management of field data, high throughput messaging system and other core services.</p> <p>GreenBus Functional Services Alarms, Calculation Engine, Controls, Core APIs, Data Quality, Historian (Command Line), Logging, Search and Filter, Modeling, MultiSpeak® Bus Architecture & Trending.</p> <p>GreenBus Applications <i>Data View & Control Application</i> – Alarm management, breaker operation logs, access logs, analog set points, communications alarming and event notification, switch device control and more.</p> <p>Real-Time Data Provisioning Assessment and upgrade of substation systems to meet standards for compatibility with GreenBus operational data model.</p>
Options	<p>GreenBus Applications</p> <ul style="list-style-type: none"> › <i>Electric Vehicle (EV) Application</i> › <i>Event Notification Application</i> › <i>Trend Server Application</i> › <i>Calculation Application</i> › <i>Field Communication Management Application</i> › <i>Modeling Application</i> › <i>Historian Application</i> <p>Adaptors 100s of customized adaptors</p>
Quality Assurance	Formal product testing on certified hardware and software.
Security Updates	Regular testing in alignment with security updates with OS and software component vulnerabilities – Secure communications on vulnerabilities and testing validation.
Tools	<p>Software Development Kit</p> <p>Java Libraries API, .Net Libraries API, Data View & Control (HMI), Protocol API Libraries, Protocol Definitions, OSGi (Open Services Gateway initiative) Definitions, DNP3 Master-Slave Test Set, Sample Applications, Getting Started Documentation, Data, View & Control (HMI) Documentation, General Protocol Simulators, Architecture Overview Documentation and CLIENT API Documentation.</p>
Service Level	Guaranteed response times and issues handling. Supported issue management tracking system, reporting and escalation processes.

AFFILIATIONS

- NRECA Associate Member
- MultiSpeak® Initiative
- National Science Foundation (NSF) FREEDM Smart Grid Center
- KEMA Smart Grid Interop Lab
- Global Energy Model (GEM)
- IEEE
- IEC

Headquarters

12050 North Pecos Street
Suite 210
Denver, Colorado 80234
303.453.8380

Centennial Campus

North Carolina State Offices
Venture IV Building
1730 Varsity Drive
Suite 500
Raleigh, North Carolina 27606
919.836.9916

info@greenenergycorp.com

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For more information please visit greenenergycorp.com or call 303-453-8381 to speak to a Green Energy Corp representative.

