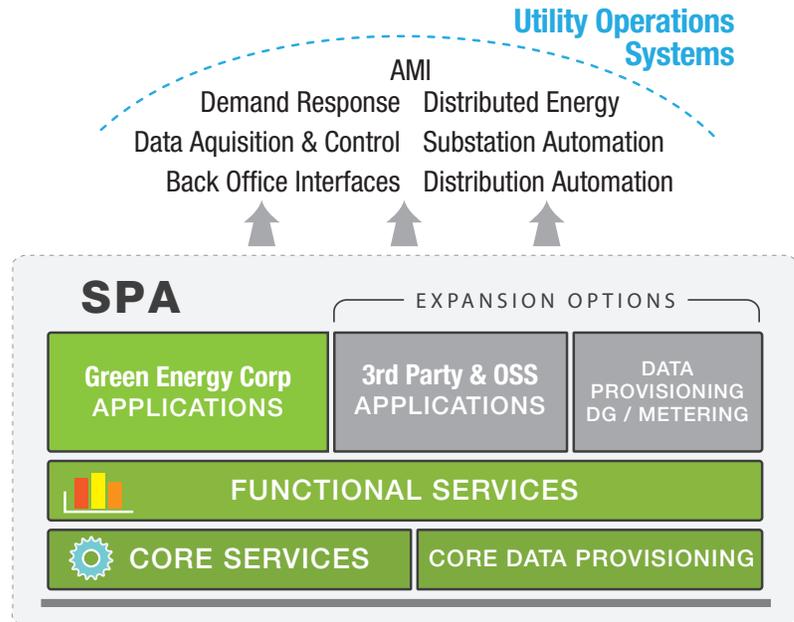


Green Energy Corp's revolutionary Software Purchase Agreement (SPA) allows Utilities to use the powerful GreenBus software platform on a pay-as-you-grow basis. This Smart Grid platform includes applications and functionality that can be activated on an as-needed basis. It is delivered via a secure cloud-based 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
<b>Subscription Based</b>	<p><b>Software Purchase Agreement</b> 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>
<b>Term</b>	7 Year
<b>Standard Subscription</b>	<p><b>Adaptors</b> DNP3, ModBus, IEC 61850 &amp; OpenADR</p> <p><b>GreenBus Core Services</b> Fault tolerant distributed database for real time capture and management of field data, high throughput messaging system and other core services.</p> <p><b>GreenBus Functional Services</b> Alarms, Calculation Engine, Controls, Core APIs, Data Quality, Historian (Command Line), Logging, Search and Filter, Modeling, MultiSpeak® Bus Architecture &amp; Trending.</p> <p><b>GreenBus Applications</b> <i>Data View &amp; 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><b>Real-Time Data Provisioning</b> Assessment and upgrade of substation systems to meet standards for compatibility with GreenBus operational data model.</p>
<b>Options</b>	<p><b>GreenBus Applications</b></p> <ul style="list-style-type: none"> <li>&gt; <i>Electric Vehicle (EV) Application</i></li> <li>&gt; <i>Event Notification Application</i></li> <li>&gt; <i>Trend Server Application</i></li> <li>&gt; <i>Calculation Application</i></li> <li>&gt; <i>Field Communication Management Application</i></li> <li>&gt; <i>Modeling Application</i></li> <li>&gt; <i>Historian Application</i></li> </ul> <p><b>Adaptors</b> 100s of customized adaptors</p>
<b>Quality Assurance</b>	Formal product testing on certified hardware and software.
<b>Security Updates</b>	Regular testing in alignment with security updates with OS and software component vulnerabilities – Secure communications on vulnerabilities and testing validation.
<b>Tools</b>	<p><b>Software Development Kit</b></p> <p>Java Libraries API, .Net Libraries API, Data View &amp; 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 &amp; Control (HMI) Documentation, General Protocol Simulators, Architecture Overview Documentation and CLIENT API Documentation.</p>
<b>Service Level</b>	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

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For more information please visit [greenenergycorp.com](http://greenenergycorp.com) or call 303-453-8381 to speak to a Green Energy Corp representative.

