

A solid blue vertical bar runs along the left side of the page, partially overlapping the main text area.

# Member Impacting Project Overview Integrated Marketplace Legacy Applications PR20110015



## Table of Contents

Table of Contents.....	2
Version Control.....	2
Document Purpose.....	2
Executive Summary .....	4
Business Impact .....	4
Technical Impact .....	4
Member Requirements.....	6
Implementation/Back-out Plan.....	6
Summary of Timeline .....	7
Assumptions .....	7
Risks.....	7
Additional Documentation .....	7
Communication Plan.....	7
Next Steps.....	7
FAQs.....	7

## Version Control

Version	Date	Author	Change Description
1.0	5/16/11	D. Giessmann	Initial draft
1.1	11/28/11	D. Giessmann	Updated <i>Executive Summary, Technical Impact, SPP Systems/Processes Impacted</i> to accommodate approved scope change requests for additional applications and for 'sunset' applications to be accounted for and decommissioned within the Legacy Applications workstream. Updated <i>Testing</i> to include testing phases. Also updated <i>Risk</i> and <i>Next Steps</i> .
1.2	3/7/12	D. Giessmann	Updated Business Impact, Technical Design, Member Requirements, Summary of Timeline, Next Steps and FAQ
<a href="#">2.0</a>	<a href="#">4/2/2012</a>	<a href="#">M. Wallace</a>	<a href="#">Updated document to reflect that only BAs not under the SPP CBA are required to submit CPS, Hourly Load and Load Forecast data via the SDA File Parser. These entities will have to make adjustments to work with the secured FTP solution.</a>

## Document Purpose

This template should be used to provide initial and ongoing communication of member--impacting projects to the CWG and membership.

The Project Manager should provide the MIPO with an initial review period. The CWG Representative should review the MIPO and provide feedback and response, including request for a MIPO review meeting, during the comment period.



**PR20110015 –Integrated Marketplace Legacy Applications**

---

All MIPO updates will be red-lined, and that version will be saved as MIPO\_<PR#\_NAME\_V#.R#> where V# is the version number associated with the touch point, and R# is the release within that touchpoint. The latest version will have accepted redline from the previous version, and any new changes redlined. The CWG and/or project liaison will be notified of any MIPO change.

## Executive Summary

This project will update those SPP legacy applications that are required to support Integrated Marketplace implementation. *Legacy Applications* is defined as code that SPP has developed that provides application functions that run the business. This includes the screens and applications that the Operations unit has developed to meet operations needs.

Legacy applications that were built to transform and move data among applications will be replaced in conjunction with ongoing work to rearchitect and utilize newer, more efficient technologies. In most cases, this means using the ESB (Enterprise Service Bus) and/or the Informatica ETL (Extract, Transform, Load) tool to support moving the data.

A number of applications are to be decommissioned or 'sunset' with implementation of the Integrated Marketplace. The SPP Legacy Applications workstream will also address these, either in a phase II of this project or in a separate project maintained under the Legacy Applications workstream.

~~The timeline for legacy application development activities is still being determined because of dependencies on other workstreams' design.~~

## Business Impact

~~The only Legacy Application identified with member changes is the SDA File Parser. Load Postings to OASIS may have member-facing changes but does not require changes by members.~~

Formatted: Font: Bold

Formatted: Font: Not Italic

Formatted: Font: Bold

### *Users Impacted*

~~Only pPersonnel from non SPP CBA BAs who are responsible for submitting CPS, Hourly Load (submitted once daily, weekly or monthly) and Load Forecast (submitted daily) currently via FTP.~~

### *Business Functions Impacted*

~~Method for submitting CPS, Hourly Load and Load Forecast data.~~

## Technical Impact

~~The non-member impacting applications included in the scope of the Legacy Applications workstream have been removed from this document. Additional applications recently identified as member-facing or impacting Legacy Applications have been added, per program scope change request #17.~~

### *SPP Systems/Processes Impacted*

~~See *Technical Design* for detail on member impacts per application. The following applications have been identified as requiring changes that are member-impacting or member-facing.The following applications could be affected:~~

~~Corporate Web—the corporate website has a number of displays which are considered legacy applications, such as LIP Contour, Real Time Load and Generation, etc.~~

SDA File Parser (Security Data Applications) – the SDA File Parser currently processes input from BAs (Load Forecast, Hourly Load, CPS) and loads to an SQL database for further processing or reporting purposes. per SPP Criteria, Appendix 7

~~Load Postings to OASIS – This process is based on the requirements in WEO 001.17. The WEO requirements change how SPP retrieves and posts to OASIS Actual Daily Peak Load and Forecasted Daily Peak Load, both system-wide and zonal, for all Balancing Authorities in the SPP Tariff footprint. This application is member-facing, not member-impacting. SENDS—The SENDS process is also known as Data Push. SENDS sends data (schedules) to members in near real time.~~

~~SPP Studies— SPP Studies (also known as RTO Studies) allows updating/uploading of studies/informational documents such as Transmission Service Studies, Generation Interconnection Studies, Delivery Point Addition Studies and Assessments and Forecasts Studies.~~

~~Load Postings—This process is based on the requirements in WEO 001.17. These requirements change how SPP retrieves and posts to OASIS Actual Daily Peak Load and Forecasted Daily Peak Load, both system-wide and zonal, for all Balancing Authorities in the SPP Tariff footprint. This application is member-facing, not member-impacting.~~

~~CROW Web Service—Programmatic interface used to provide outage and scheduling information.~~

~~PRR131 Data API—web services that allow querying of data packages to assist with shadow settling.~~

~~OPS1 DC Tie Update—this application produces a web page that entities looking for information about one of the five (5) SPP-coordinated DC Ties can use to find such information.~~

~~OPS1 HRLOAD/HRLOAD-S—this application is used to submit data on an annual basis as part of the FERC-714 report. The data is also submitted to FERC on a quarterly basis as part of the FERC Form 1 report.~~

~~OPS1 LOADFOR/LOADFOR-S—this application allows submission by member BAs' load forecasts. This is a seven-day hourly forecast with previous day actual values for each BA who is an SPP member.~~

~~OPS1 TLRDiscount (within TLR Manager)—this application is used to post transmission paths that are offered at a discounted rate because they have a relieving effect on an active TLR event.~~

## Technical Design

### ~~Corporate Web~~

~~No changes are required. Some existing displays will be discontinued. New displays will be provided through other workstreams such as Market. For example, LIP Contour will be replaced by LMP Contour.~~

### ~~SDA File Parser (Security Data Applications)~~

~~In preparing for the Marketplace, wwe have determined that we need to add more security around our current process for submitting Hourly Load, Load Forecast and CPS data. Instead of transporting this information over FTP as we currently do, we now need to better secure this process. GlobalScape EFT is a file-transfer tool being used by SPP to exchange files with market participants for several Marketplace processes such as TCR, Registration Packet submission, and~~

Markets Test Data submission. We plan to utilize this tool as well, to provide a secure mode of file transfer for the Hourly Load, Load Forecast and CPS data.

GlobalScope EFT uses an intuitive graphical user interface to allow users to easily and securely exchange potentially sensitive market information with SPP and allows for programmatic delivery of files over secure FTP. It is housed at SPP to maximize security.

~~You BAs that are not part of the SPP CBA~~ will be notified in the near future with more details regarding required changes and testing when we are ready to test access to this secure FTP site.

~~SENDS~~

~~No changes are required. Settlement for price sensitive interchange transactions will be based on the Day Ahead Market LMP associated with the cleared transaction. Shadow settlement will be based on the cleared transaction and the applicable Day Ahead Market LMP. The bid/offer information in the E-tag is used by the market system to determine clearing and not for shadow settlements.~~

~~SPP Studies~~

~~No changes required.~~

Technical design for the following is still to be determined.

- Load Postings to OASIS – there may be a source change for the data used to provide the report. We do not anticipate any member changes associated with the report.

All member-facing OPS1 applications will have a link on the new Integrated Marketplace Portal, but there are no member coding changes associated with adding the links.

*Anticipated Member Systems/Processes Impacted*

Submission of CPS, Hourly Load and Load Forecast Data ~~by BAs not under the SPP CBA~~ will be over a secure FTP, using GlobalScope EFT.

## Member Requirements

The only Legacy Application identified with member changes is the SDA File Parser. Those resources who submit CPS, Hourly Load and Load Forecast currently by FTP ~~for BAs not joining the SPP CBA~~ will need to obtain a User ID and Password in order to access GlobalScope EFT. Information on how to register will be sent out to ~~project #aisons~~ these companies in the near future.

## Testing

SPP Testing will include ~~unit~~Unit, Site Acceptance Testing (SAT), Functional Integration Test (FIT) and System Integration Test (SIT). Member Testing will be done during Market Trials.

## Training

TBD

## Implementation/Back-out Plan

TBD

## Summary of Timeline

Date	Responsible Party	Action
<del>3/30/12</del>	<del>Project Team</del>	<del>Design walkthroughs completed</del>
<del>4/2/12</del>	<del>Project Team</del>	<del>Coding/unit testing changes begin</del>
6/29/12	Project Team	Preparation for SAT complete
7/2/12	Project Team/Testing Team	SAT begins

## Assumptions

~~TBD~~ Only BAs not joining the SPP CBA will make changes to be able to work with GlobalScape for secured FTP for SDA File Parser.

## Risks

~~The project is dependent upon design completion of other Marketplace Workstreams.~~

## Additional Documentation

~~TBD~~ N/A

Formatted: Font: Not Italic

## Communication Plan

All project communication and information will be posted to the SPP Change Working Group Project Documentation folder. This MIPO will be updated upon change or with any new information, a redline version posted to the project documentation folder, and the CWG notified.

## Next Steps

Action	Assignee	Status & Due Date
<del>-Send Registration information about GlobalScape EFT to project liaisons the four BAs in SPP's RC footprint that are not going to be a part of the SPP BA .for GlobalScape EFT</del>	Project Manager	<del>4/6/12</del> TBD

## FAQs

Why do we need to use GlobalScape?

GlobalScape Enhanced File Transfer (EFT) is a file-transfer tool used by SPP to exchange files with market participants for several processes that exchange confidential data that should not be emailed. For the Legacy Applications workstream the tool will be used to ~~transfer-house~~ CPS, Hourly Load and Load Forecast information sent to SPP for the SDA File Parser to pick up.