

What is FACPAC?

Facilities Planning and Construction Application

FACPAC is a new SharePoint Online application that KDE is developing in-house to provide improved school construction and district facility planning (DFP) processes. It will replace the manual processes and Excel files currently used for school construction and district facility planning activities. It will be used by district personnel, district's local architects, and KDE.

Objectives:

- The districts will own their data; and data collection will be stream-lined and include data validation for higher quality of data and form submissions. This should minimize the need to re-submit forms due to them being incomplete or inaccurate, which can take time to correct.
- This online system will provide transparency such that the status of activities will be more readily available to districts and their partners (like the architects and construction managers).
- It will integrate the planning and construction processes and data, connecting the BG1 construction projects more specifically to the individual DFP projects.
- Over time, it will also improve the process of collecting and reporting information related to school buildings, with an Inventory component.

Initially, the system will be to collect the data, as entered by districts and their architects, with some manual status tracking. The initial SharePoint Forms include: BG1 Project Application, Contract, Purchase Order, Change Order, BG4 Contract Close-Out, and BG5 Project Close-Out.

Once automation and workflows are included in FACPAC, tasks will be identified by roles and automated status tracking will be available. Then, approvals of the forms can be within the new system (replacing signatures on hard-copy forms).

How will FACPAC be implemented?

We want to put this system in place asap, so we are planning a phased approach, such that several enhancements will be included over time, to help ensure the quality of data for the BG construction forms and other forms.

Soon after the data entry forms are in place (target 2Q2017), we will include approval workflows and notifications, such as an email to notify districts when something requires approval.

Design documents, proposed and executed contracts, bidding forms, and other documents will still be submitted via pdf uploads into the KDE Construction Documentation system, also known as FACDocs.

Data migration (aka conversion) is included in the project. Currently active construction projects will be converted into the new system from the KDE Construction Access database. And KDE

plans to convert several years' worth of BG1 data for closed construction projects, at some time. The data converted include most of the data that is listed on the forms, but not all.

KFICS & FACPAC Integration

The FACPAC application platform is on Microsoft SharePoint Online. It is maintained through Microsoft's Office 365 Cloud Services. Data import/export can be via the REST API. KDE can upload data from a vendor's software, if the data provided is standardized and in a machine-readable format.

The KFICS project will be used to expand the FACPAC development to include a robust inventory function and building condition assessment data and functions.

A high-level data model for KFICS inventory and building condition assessments is available. A KFICS / FACPAC data dictionary is not available.