

# PARCEL LAYER: INTEGRATION AND AUTOMATION OF PACS, GIS, SMARTGOV AND WATER SOURCE DATABASES

## Problem:

Every four to six weeks, the parcel boundary dataset was updated with boundary changes and information from the assessment database (PACS). The process was time consuming and cumbersome. Changes that occurred in the geometry or assessment information would not be reflected on any maps until the following update cycle.

Often one needs to know certain information about a parcel. Previously, the information was held separately in different departments, requiring time and energy to track down all the information.

## Solution:

In January of 2016 a computer program was created to automate updating the parcel boundary dataset nightly including updated information from the Assessment Database, Smartgov (Permit Database) and the Water Source Databases. Reflecting changes from each department's database provides up to date, quick and easy access to information for county employees and the public.

Integrating these tasks significantly improved efficacy and accuracy. Now, many departments' data is within easy reach as you only have to look up a parcel once in the web map to find quick links to different types of data.

### Definitions

*Parcel fabric:* A parcel fabric stores connected parcel boundary lines. Parcel polygons are defined by lines, which store dimensions and bearings. The fabric ensures shared lines of adjacent properties are on top of each other

*Enterprise Geodatabase:* A collection of various types of GIS datasets held as tables in a database. This is the recommended data format for ArcGIS.

*SQL Query:* A formula written in a computer language that returns a specified set of data from one database

## AUTOMATED DAILY PROCESS TO UPDATE THE PARCEL LAYER WITH CURRENT DATA

