

Creating Custom Tools for Your Organization Using Model Builder

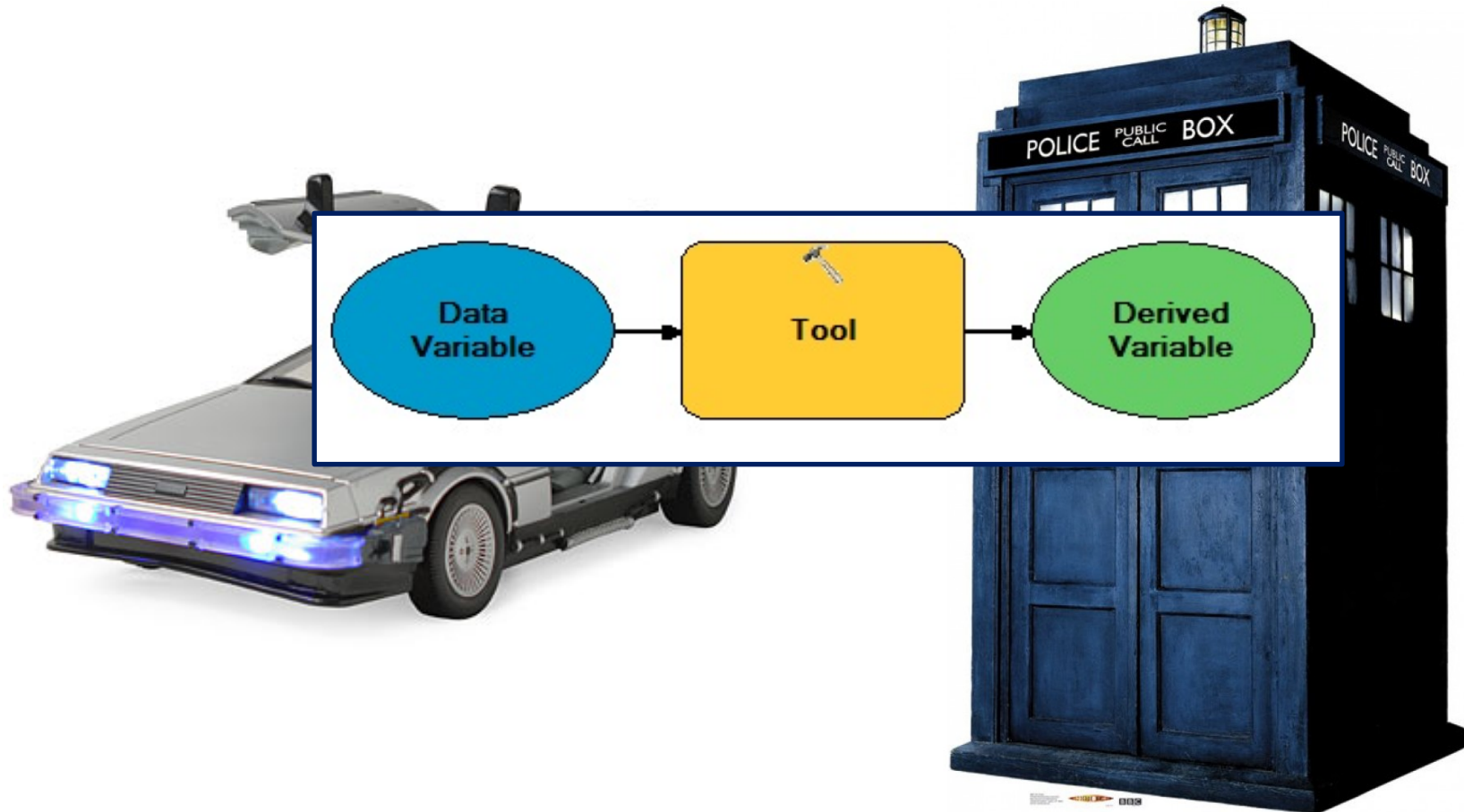
ESRI User Conference 2017 San Diego, CA

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How Do You Save Time?





Model Builder

- Easy to use
 - For the person who wishes they could code like a champ
- Automate organizational tasks
 - Export function allows use of Windows Task Scheduler
- Save time
 - Multiple geoprocessing tasks

Easy to Use

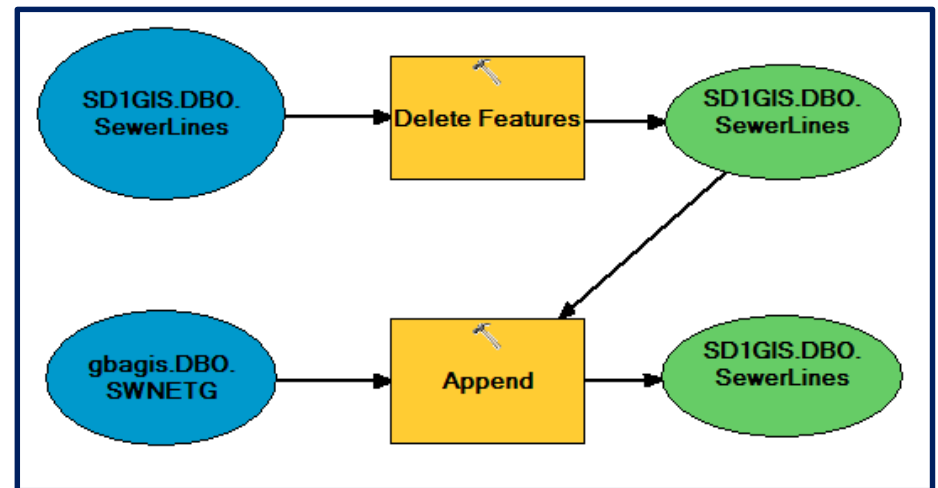
- Coding made into a visual process

```
7% KY2016_Prez.py - L:\backup\jordan\Presentations\KY20...
File Edit Format Run Options Windows Help
# -*- coding: utf-8 -*-
#
# -----
# KY2016_Prez.py
# Created on: 2016-10-17 14:01:40.00000
# (generated by ArcGIS/ModelBuilder)
# Description:
# -----
# Import arcpy module
import arcpy

# Local variables:
SD1GIS_DBO_SewerLines = "Database Connections\\SD1
gbagis_DBO_SWNETG = "Database Connections\\GBAGIS
SD1GIS_DBO_SewerLines_2_ = "Database Connections\

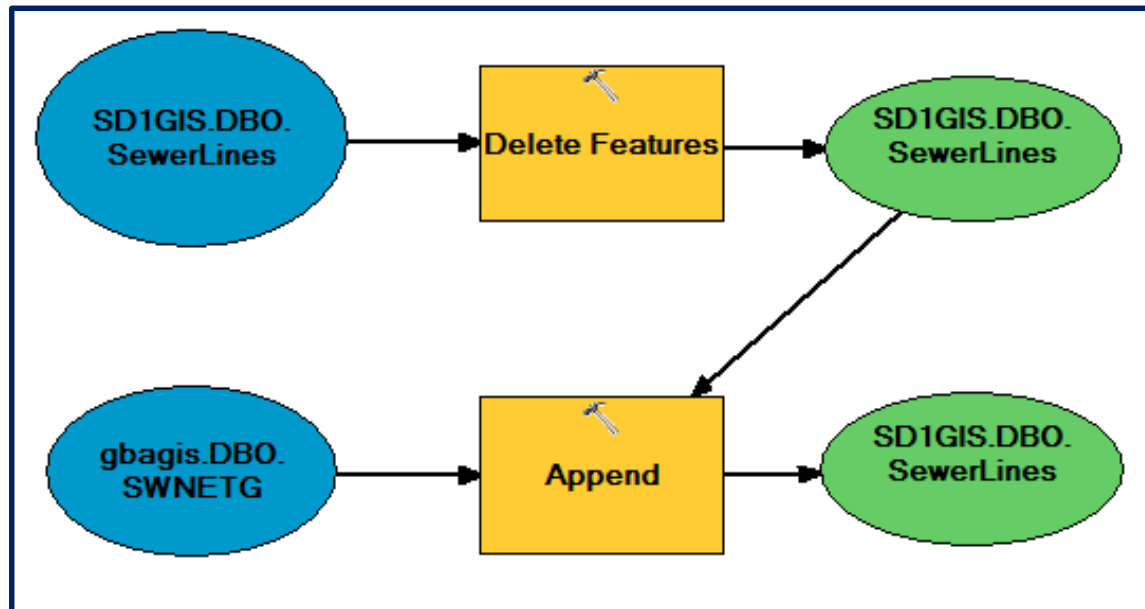
# Process: Delete Features
arcpy.DeleteFeatures_management(SD1GIS_DBO_SewerLi

# Process: Append
arcpy.Append_management("'Database Connections\\GE
```



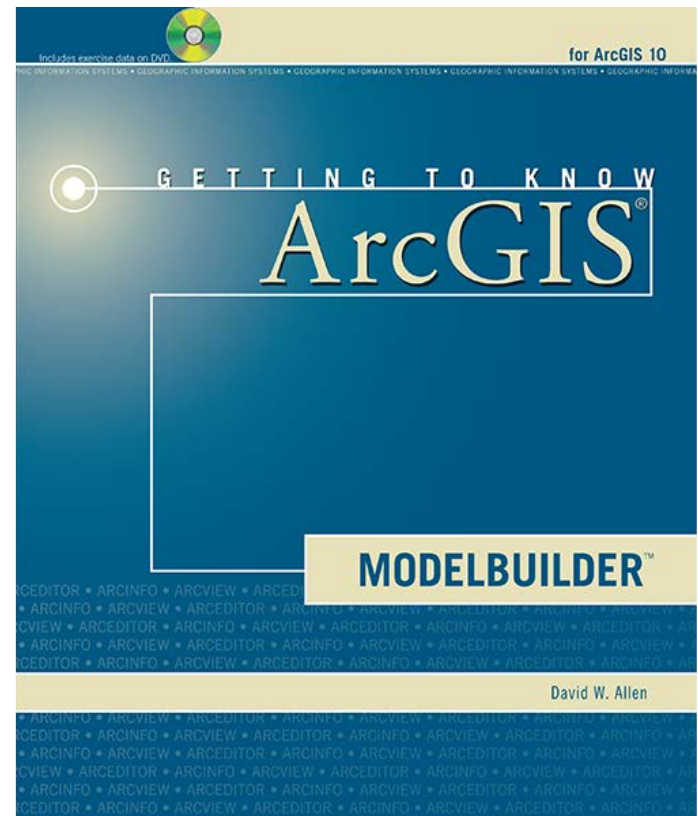
Easy to Use

- A three step process
 - Data – Tool – Output



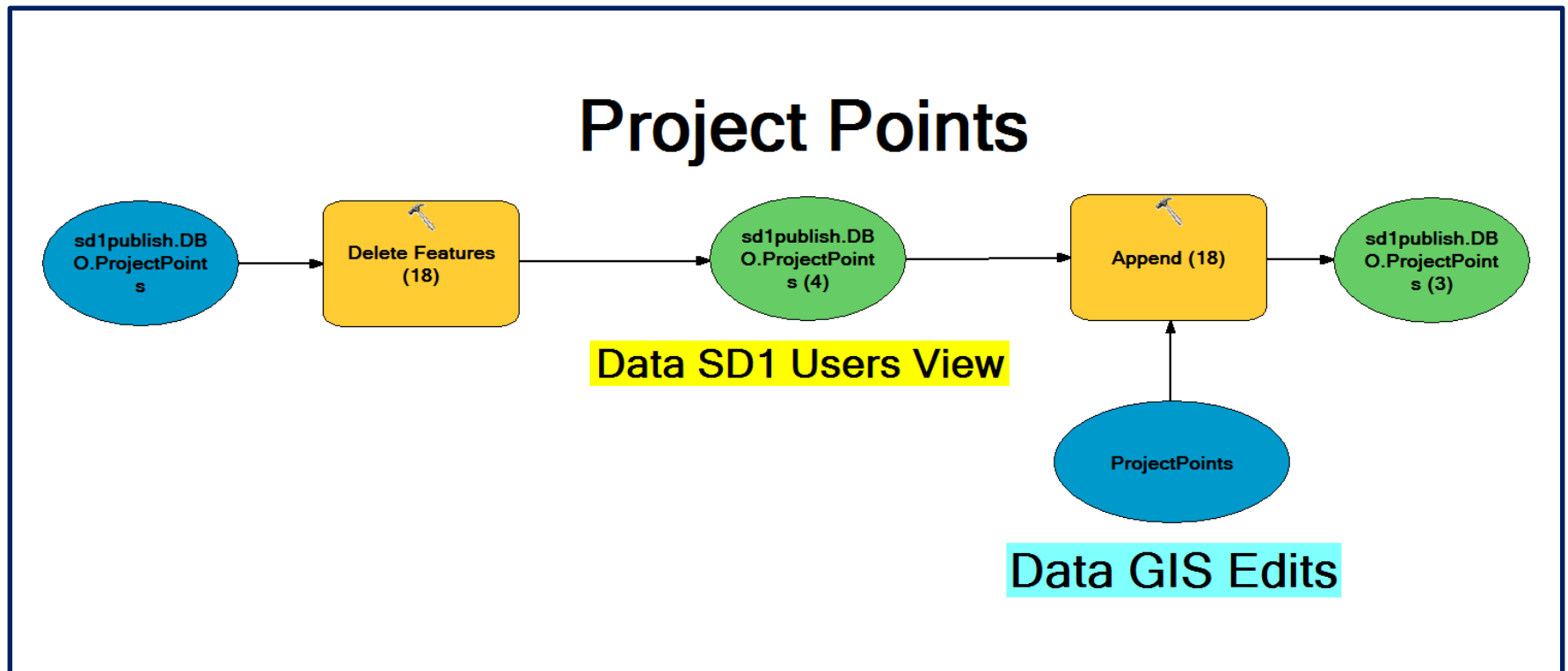
Easy to Use

- *Getting to Know ArcGIS – ModelBuilder*
by David W. Allen
 - Basic knowledge to advanced techniques



Automate Organizational Tasks

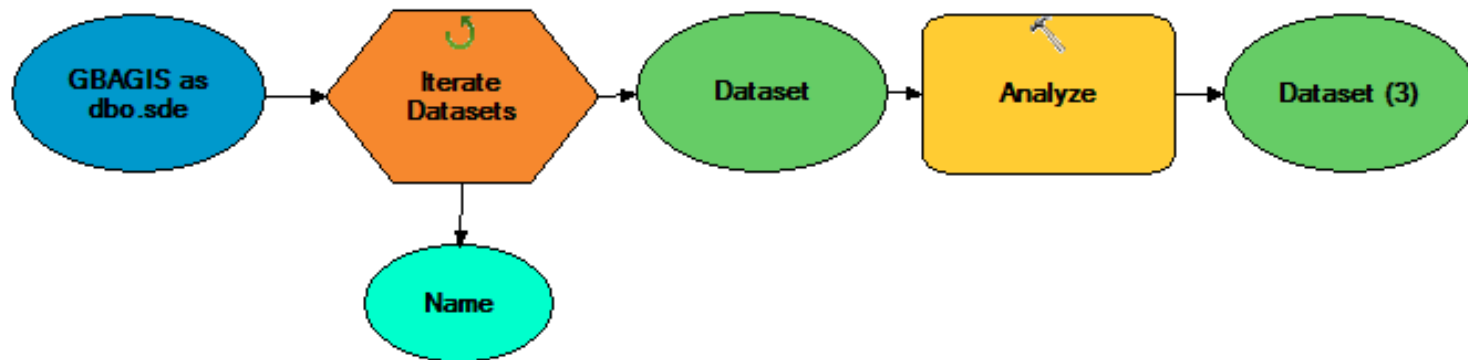
- Data Updates
 - Over 30 feature classes updated each weekend



Automate Organizational Tasks

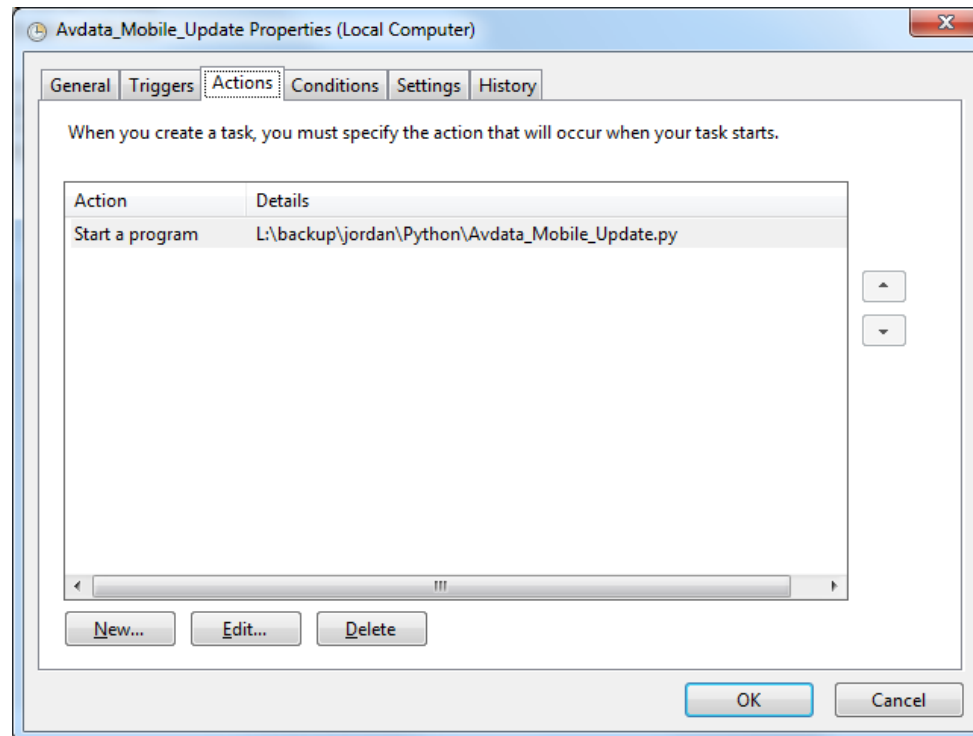
- Data Maintenance
 - Three SDE databases
 - Over 100 everyday used feature classes

Analyze Multiple Feature Classes



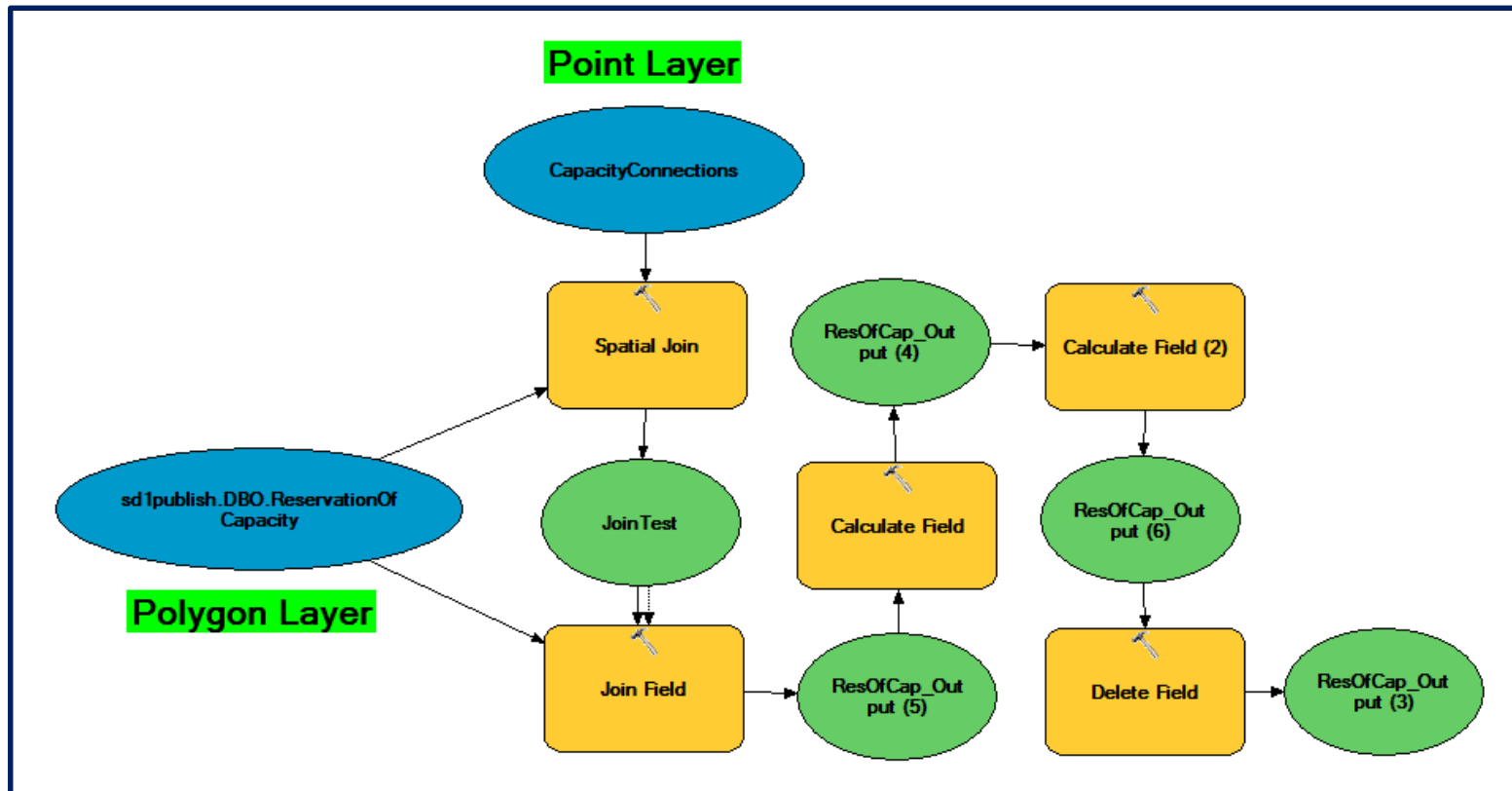
Automate Organizational Tasks

- Windows Task Scheduler for scheduled automation
 - Export model to Python script



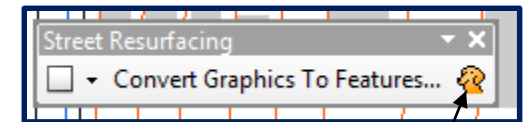
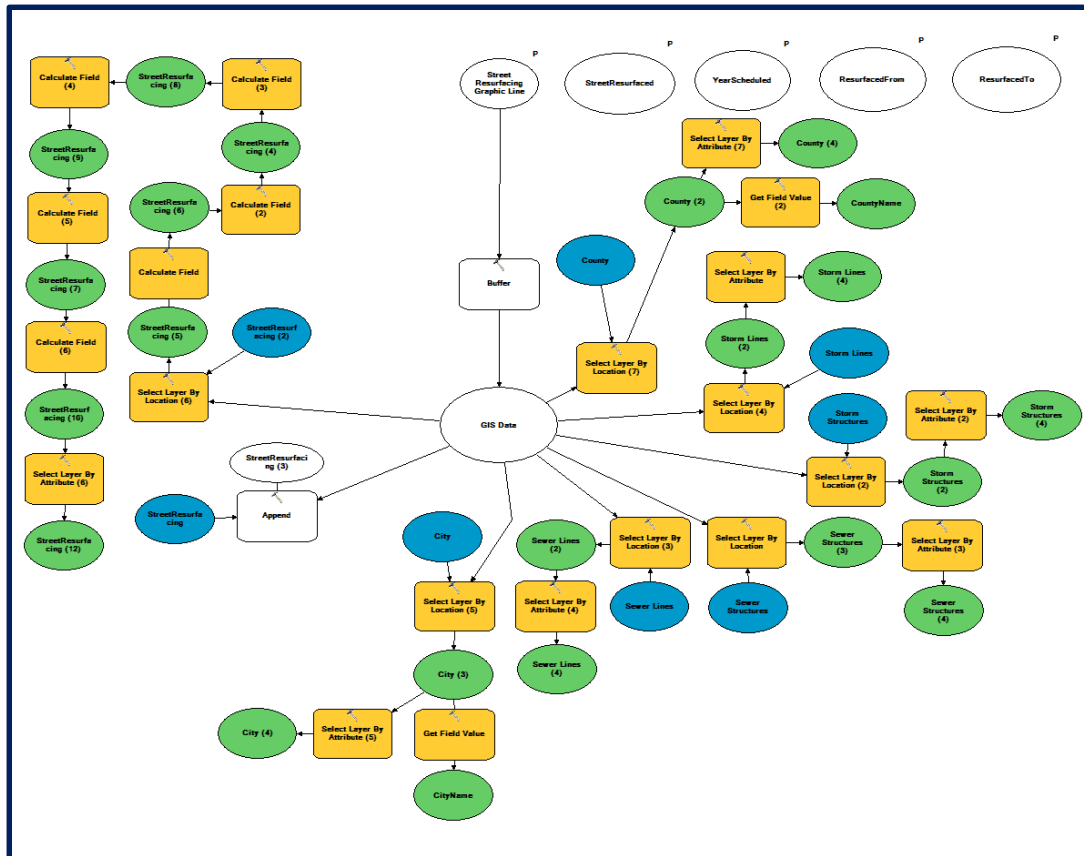
Save Time

- Create models based on repeated tasks

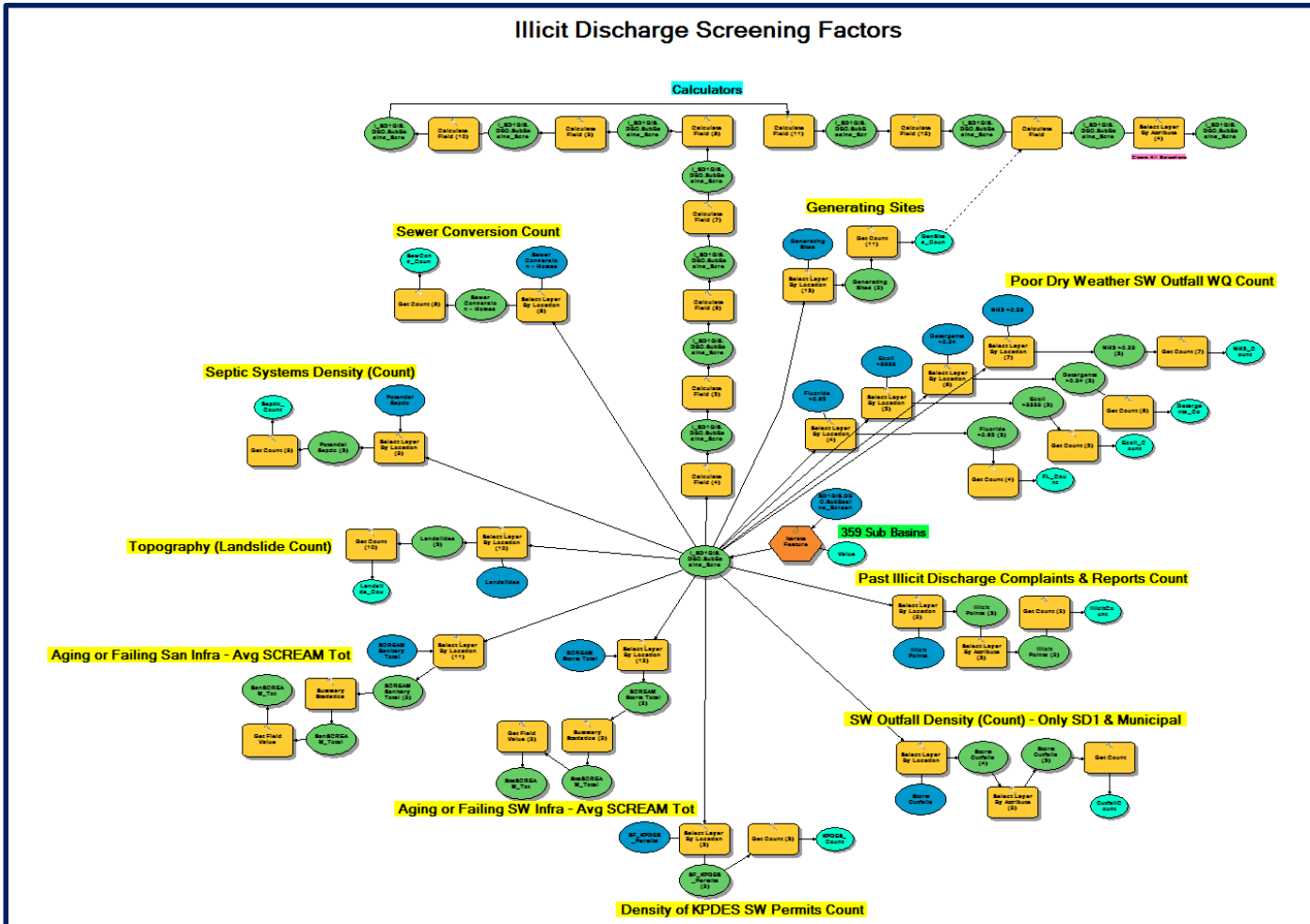


Save Time

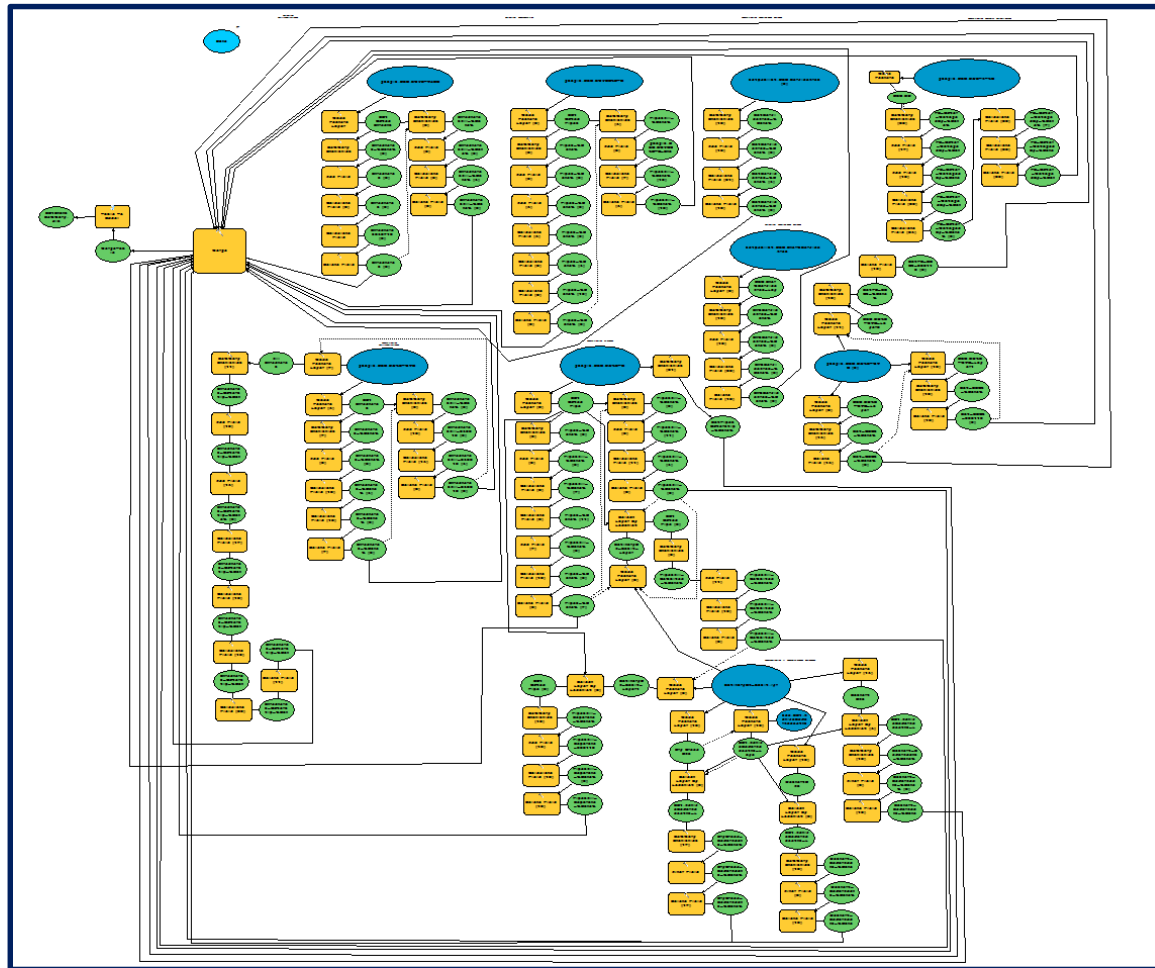
- Use models as buttons within ArcMap



Other Examples



Other Examples



Questions?

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