# Use Case Examples

* Import ILUT tables from folder
  + Load TSVs with headers
  + Load CSVs with headers
    - For DBFs, need to convert to CSV before loading (have py function for this)
  + ILUT runner should be able to just enter the model run folder, the scenario code, and scenario year, then “hit go” and all tables should load automatically.
* Any time someone will be loading regularly updated version of the same table to SQL server (e.g. NPMRDS tables? Replica tables?

# Objects involved

* Query to create table to which CSV will be loaded to
  + Path to SQL file
  + Parameters to fill in wildcard/formatters in SQL (e.g. years, table names, etc that are dynamic)
  + DB connection info to run query
* Input data file
  + file type
  + delimiter type
* Database
* BCP command
  + BCP command line arg values

# Script layout/relationship

\*\*\*Note – all these notes are for a generic BCP wrapper, not ILUT loader script that would use the BCP wrapper

* Have a script, as an importable module, that just deals with being a single BCP command (e.g. load whatever table
* Call the BCP wrapper script in other scripts

Create BCP class instance, which establishes:

* Connection info
* Other rarely-changed BCP parameters
* A “base” BCP command list that will be used no matter what methods get called

Have a “load file to new table” method that

* takes in args like table name, table creation SQL file, etc. input file delimiters
  + Make a catch that will stop and prompt for re-entry if delimiter type isn’t valid
* Warns user if table already exists, but then creates a new table
* Appends args as needed to “base” BCP commands and runs the BCP command

Have a “append file contents to existing table” method that

* Warns user if table doesn’t yet exist