CBLCM v4 Updates (planned and potential) for Summer 2019

Parameterization and Operation:

- Utilize new 2016 National Land Cover Database (2001, 2004, 2006, 2008, 2011, 2013, and 2016)
- Explore potential use of USGS Land Change Mapping, Assessment, and Projection (LCMAP) land cover change data, 1985 – 2015
- Recode entire model in Python and R with open source libraries
- Optimize and execute model on the Amazon cloud
- Refine development suitability and densities using data on developed parcels?
- Dynamically expand sewer service areas proportional to population change and preferentially into high-probability growth areas (as done for Delaware Land Policy BMP)?
- Update impervious surface land use coefficients from Capiella and Brown (2001) to account for ancillary development (e.g., roads and other infrastructure)?

Scenario Runs:

- Update population and employment projections
- Update protected lands
- Update sewer service areas
- Update MS4s
- Update Zoning
- Alter data and assumptions in Land Policy BMPs as per requests
- Re-run all Land Policy BMPs through 2050 (e.g., 2025, 2040, and 2050)