This directory includes input folder, Matrix database, output folder, python script, and user guide slides deck for running MOVES-Matrix in five regions: Atlanta, Denver, Buffalo, Seattle, and DC.

* **“MOVES-Matrix Data Dictionary 062018.pptx”**
  + The slides introduce the MOVES-Matrix on-road running emission rate database that stored in “\MMatrix\_Running Module\MatrixData\”
* **“MOVES-Matrix Quick Start Guide 062018.pptx”**
  + The slides show step-by-step guide on preparing input files, setting up environment for MOVES-Matrix python script, and obtaining output.
* **“MOVES-Matrix Verification 061818.pptx”**
  + The slides introduce the MOVES-Matrix verification procedures by running 90 scenarios and comparing results with MOVES batch mode runs.
* **“moves\_matrix\_py27\_060418.py”**
  + Matrix Python script. Details in running the script, including environment setup and code running, can be found in “ToEPA - MOVES-Matrix Quick Start Guide 061818.pptx”
* **MatrixData folder**
  + MOVES-Matrix onroad emission rate database of five regions: Denver, Atlanta, DC, Buffalo, and Seattle.
* **“input” folder**
  + The folder is used to store csv input files for MOVES-Matrix. The format is the same as MOVES model. Details of input files are shown in “ToEPA - MOVES-Matrix Quick Start Guide 061818.pptx”
* **“output” folder**
  + The folder is used to store csv output files from running MOVES-Matrix. Introduction of output information are shown in “ToEPA - MOVES-Matrix Quick Start Guide 061818.pptx”
* **“batchmode.csv” folder**
  + Each row in the batchmode csv file defines input combination for one MOVES-Matrix run (or scenario). MOVES-Matrix python script will generate a set of output files for each row within the .csv