



# Piedmont Triad Regional Model

# PTRM(Piedmont Triad Regional Model)

- Triad Area: 4 MPOs
- Traditional 4 Step Model
- 1,718 TAZs, 1mil pop (703k emp) in 2009
- Input: Highway/Transit Network, SE Data, etc
- Output: average speed, VC ratio, VMT, VHT, traffic volume, transit ridership, etc

# Land Use Model Output

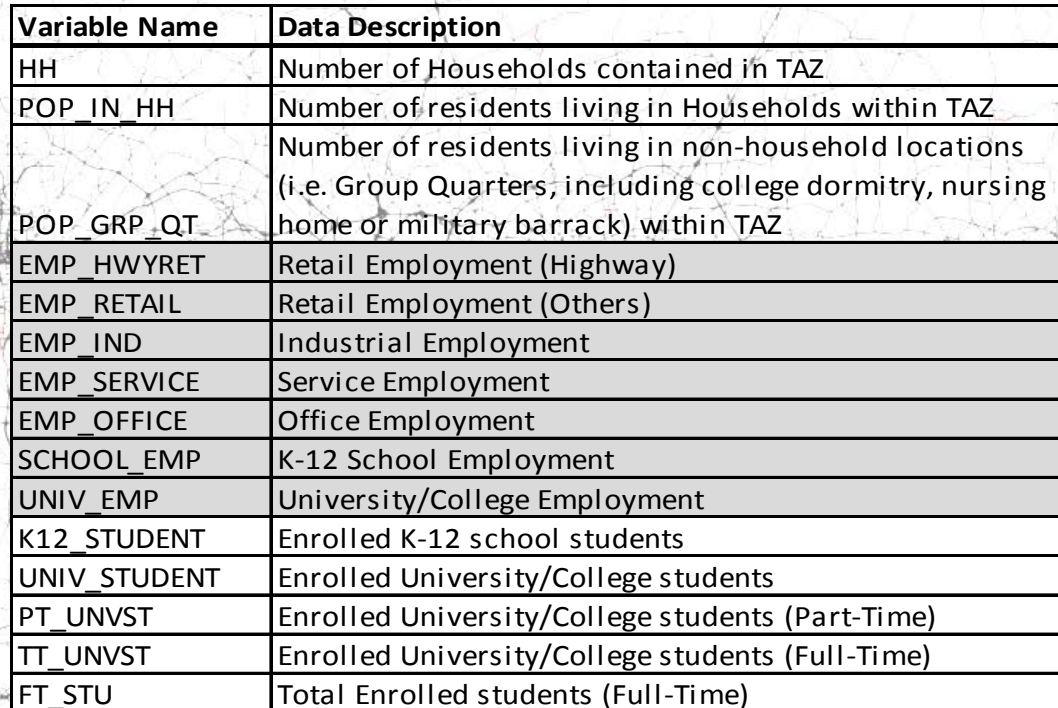
## Envision Tomorrow

Output	details
Site and Building Characteristics	Assumed acres, lot size, building lot coverage, ...
Land use mix(%)	Residential, retail, office, industrial
Residential	Residential sqft, dwelling units/acre,...
Household	Type of housing, percent renter,...
Residential Rent	Rent, avg rent
Employment	Total jobs/acre, retail, office, industrial
Parking	Parking spaces, parking sqft
Land cost	Land cost
Project value	Project value
Subsidy	Subsidy
Parking cost	Parking cost

## CommunityViz Output

- High density multi-family
- Med density multi-family
- Mixed use
- Office park
- Park
- Single family
- Town center

# PTRM SE Input Data



Variable Name	Data Description
HH	Number of Households contained in TAZ
POP_IN_HH	Number of residents living in Households within TAZ
POP_GRP_QT	Number of residents living in non-household locations (i.e. Group Quarters, including college dormitory, nursing home or military barrack) within TAZ
EMP_HWYRET	Retail Employment (Highway)
EMP_RETAIL	Retail Employment (Others)
EMP_IND	Industrial Employment
EMP_SERVICE	Service Employment
EMP_OFFICE	Office Employment
SCHOOL_EMP	K-12 School Employment
UNIV_EMP	University/College Employment
K12_STUDENT	Enrolled K-12 school students
UNIV_STUDENT	Enrolled University/College students
PT_UNVST	Enrolled University/College students (Part-Time)
TT_UNVST	Enrolled University/College students (Full-Time)
FT_STU	Total Enrolled students (Full-Time)
PT_STU	Total Enrolled students (Part-Time)
HH_AUTOS	Total automobile available to households within TAZ
MALL_TAZ	Indicator of Shopping Mall
AVG_INC	Average Household Income within TAZ