**MArea** = “Urbanized” portion

of *association of* AZones

**Region** = Model-wide area

All AZones and nested BZones

**Azone** = Group of Bzones

or SimBZones

Town

**VE-RSPM Inputs by Geography**

**Region** (modelwide)

Rural

Rural

**MArea** = “Urbanized” portion

of *association of* AZones

**Region** = Model-wide area

All AZones and nested BZones

**Azone** = Group of Bzones

or SimBZones

* Veh & Fuels
  + Hvy Truck veh mix (stock)
  + LDV CarSvc , veh mix (stock)
  + LDV ComSvc veh mix, %LtTrk (stock)
  + Fuel Carbon Intensity (composites)
* Pricing
  + Carbon Pricing (social cost recovery)

**MArea** (urbanized area)

* Vehicles & Fuels
  + Transit vehicles and fuels mix
* Pricing
  + Congestion Fees
* Actions
  + Road lane-miles - Fwy+Arterial
  + Transit Service
  + ITS coverage (Ramps, IR, Signal Coord, Access mgmt.)
  + ITS speed smoothing (Fwy ATM, Art Signal optimiz)
  + %Drivers in EcoDrive programs

**Azones**

* Demographics
  + Population by age (HH & non-institutional; place types?)
  + Average Household size, %1-person households
  + Licensure drivers rate
  + Average Per Capita Income
* Veh & Fuels
  + LDV-HH Vehicle Age average
  + LDV-HH % Light Trucks (stock)
  + Electric Carbon Intensity
* Pricing
  + PAYD participation
  + Fuel & electricity costs
  + Road Cost Recovery – Registration Fee, per gallon gas tax, per mile VMT fee
* Actions
  + SOV Diversion (Bike, Personal Electrics, etc.)
  + CarSvc costs and substitutability & Access Time (vs. owned vehicles)

**Bzones** (or SimBzones)

* Land Use
  + Place Types: Acres, Built Form Ds (Design & Transit)
  + Place Types: Employment -- Total, Retail, Service
  + Dwelling Units by type (SF, MF)
  + Income Quartiles (for allocating HHs to DUs, impact VMT?)
* Actions
  + Parking coverage (work and non-work) and fees

**Bzone** = Input by user

* + Demand mgmt. programs - Work-based (TDM), home-based (IMP)
  + CarSvc availability (by DU type)