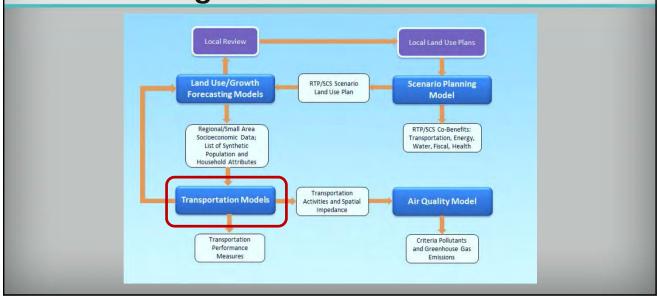
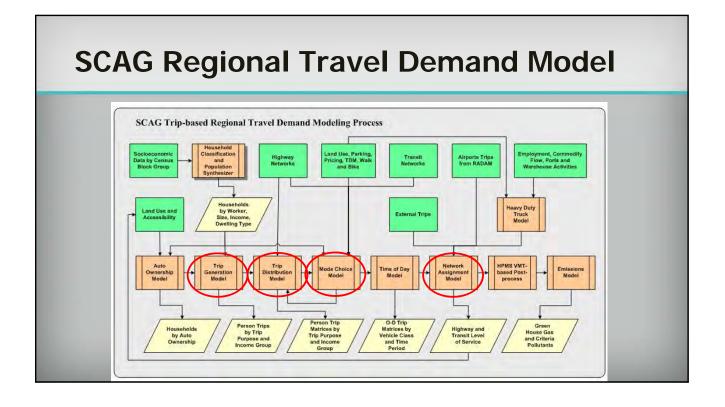


SCAG's Integrated Modeling & Forecasting Framework



SCAG Regional Travel Demand Model About SCAG Model The latest adopted regional travel demand model is a trip-based model. The trip-based model was Peer Reviewed in May 2011 and found consistent with the state-of-the-practice. SCAG applies the model to provide quantitative analysis for the RTP/SCS, the FTIP, the AQMP, and other regional and local projects. The model is based on TransCAD software.



SCAG Regional Travel Demand Model

Model Inputs

- Transportation Analysis Zones (TAZs) (4,109/11,267)
- Socioeconomic Data (population, employment, households, workers, school enrollment)
- Highway network (70,000+ street segments, posted speed, number of lanes, and functional classification)
- Transit network (2000+ routes/patterns, headway, service hours, fares, stop locations)
- Trips from Seaports, Airports, and External (non-SCAG)

SCAG Regional Travel Demand Model

Model Outputs

- Vehicle trips
- Traffic volumes
- VMT by link and geographic areas
- Trips origin/destination
- Trip length
- Mode shares
- Transit boarding

SCAG Regional Travel Demand Model

Sub-regional level Application

- Sub-regional Model Development Tool (SMDT)
- A tool to convert SCAG's regional model to a sub-region focused model; county/city focused.
- Adding more zones and networks in focused area while aggregating outside detailing

