

The State of the ARC Regional Travel Demand Model

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Reminder

ARC **will no longer Maintain** 2 Parallel Tracks of Models in 2013:

- A 4-Step Trip-Based Aggregate Model
- A Disaggregate Activity-Based Model

4-Step Trip-Based Aggregate Model: 2 Tracks:

- Existing Model for Long Range Transportation Planning (RTP, PLAN2040, Conformity) & Multi-Modal Studies (FTA AA): 2,000+TAZ
 - Network-Years Available: 2010, 2016, 2020, 2030, 2040, 2040NB
- Continual Refinement & Enhancement of Trip-Based, Long Term Model Set: 5,000+ TAZ

Trip-Based, Long Term Model Set: 5,000+ TAZ: WHERE ARE WE?

- Area Types (7): Updated based on:
 - New Model Geography
 - 2010 SE Data
- Finalizing Traffic Assignment Validation
- No More Efforts Going Towards ARC's 4-Step Model, Model to be Retired
- Enhancements to be Transferred Over to Activity-Based Model

2013: A Year of Transition from the 4-step Model to the **Activity-Based Model**

- “Just When You Think It’s Done, It’s Time to Do It All Over Again”:
 - ABM will be Updated in 2013 Using New Household Travel Survey Data
- 2013 Modeling Work: Still Use Currently Existing 4-step Model
- Want to run the ARC ABM?
 - On a “High-End” Server (\$10K)
 - Specs available from ARC
 - Citilabs Cloud Computing
 - “Pay-As-You-Go”
 - ARC will provide ABM training

Other Modeling Activities @ARC

- Continue Work on a Fully Integrated Transport / Land Use Model with PECAS:
 - Feed PECAS Output into Regional Travel Demand Model
 - Feed Skims from Travel Demand Model back to PECAS
- Looking into the Future: Long Term Vision: 2014 and beyond: Dynamic Traffic Assignment