

The State of the ARC Regional Travel Demand Model

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Reminder

ARC **NO LONGER Maintains** 2 Parallel Tracks of Models:

- 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
 - Done and Completed
 - Enhancements to be Transferred Over to the ABM in 2013



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2013 Modeling Work Program

- No More Efforts Going Towards ARC's 4-Step Model, Model to be Retired
- Enhancements to be Transferred Over to Activity-Based Model
- One Possible Exception: Managed Lanes Model Script Recently Updated (2000+ TAZ Model System)
- Emphasis on Geo-Database for Coding



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2013: A Year of Transition 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 at 2000 TAZ level, To Be Used for Upcoming Summer 2013 Plan Update
- 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



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Other Modeling Activities @ARC in 2013

- 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
- Perimeter CID Travel Surveys
- Looking into the Future
 - Long Term Vision, 2014 and Beyond
 - ABM with Dynamic Traffic Assignment



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NEW TAZ CAVEAT / DISCLAIMER

- 2010 TAZ File at 5,000+ TAZ Available for Download on ARC Website
 - Correspond to Future Release of Model
 - NOT the Current Plan 2040 Version
- DO NOT Join Plan2040 Model Data in GIS to NEW TAZ File



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