SCENARIOS Demographics Alternatives

August 2, 2016



Background

- Simulation Tools
 - InSITE Activity Based Model
 - Simulation of Household Activities that Require Travel
 - Long Term Choices
 - Daily Activity Patterns Mandatory and Non-Mandatory
 - Tour Level Models
 - Trip/Stop Level Models
 - PopGen 2.0
 - Synthesizes Household and Person Roster Characteristics
 - Cooperative Forecast TAZ Households, Persons, Group Quarters, Workers, and Median Household Income
 - Maryland Department of Planning Age Cohort Survival Model Persons by Age and Gender



July Joint Meeting Follow up

Minutes from July Meeting –

Agenda Item 15. Discussion on Regional Transportation and Land Use Sensitivity Analysis



Scenarios

- Howard County
 - Cooperative Forecasts
 - What if?
 - Graying but Working
 - Young Migration/Immigration and Working
 - Young Migration/Immigration and Working with Household Formation with Children
 - Migration/Immigration Seniors Moving Out



Graying but Working

Economic Downturn/Increased Life Expectancy/Health Retirement Will Be Delayed

- Keep County (MDP) Age/Sex Margins the Same Current 2040 Total Population
- PopGen Margin Changes
 - A. Increase in the Number of TAZ Workers
 - B. Decrease in the Number of TAZ Non-Workers
 - C. Increase TAZ Median Household Income
 - D. Change in the Number of TAZ households by workers



Young Migration / Immigration and Working

Younger Workers Migrating/Immigrating

- Increase 20-39 Year Old Population, Increase in Workers, and Increase in Households
- PopGen Margin Changes
 - A. Increase in the Number of Age/Population for 20-39 year olds
 - B. Increase in the Number of TAZ Workers
 - C. Increase in the Median Household Income
 - D. Increase in the Number of TAZ Households
 - E. Change in the Number of TAZ Households by workers and size



Young Migration/Immigration and Working plus Household Formation with Children

- Younger Workers Migrating/Immigrating Forming New Households with Children
- Increase 20-39 year Old Population and 0-14 Year Old Population, Increase in Workers, and Increase Households
- PopGen Margin Changes
 - A. Increase in the Number of Age/Population for 20-39 year Olds
 & 0-14 Year Olds
 - B. Increase in the Number of TAZ Workers
 - C. Increase in the Median Household Income
 - D. Increase in the Number of TAZ Households
 - E. Change in the Number of TAZ Households by size and worker



Migration/Immigration – Seniors Moving Out

Constraints Limit the Supply of Housing, Housing Cost Become Expensive for Retirees – Fixed Income Seniors Move Out

- PopGen Margin Changes
 - A. Increase in the Number of Age/Population for 20-39 Year Olds & 0-14 Year Olds
 - B. Increase in the Number of TAZ Workers
 - C. Decrease in the Number of Age/Population 65+
 - D. Increase in the Median Household Income
 - E. Change in the Number of TAZ Households by size and workers



Next Steps

- Receive Technical Committee and Cooperative Forecasting Group Input and Comments
- Run Scenarios
- Summarize Results
- Brief Cooperative Forecast Group
- Update Technical Committee

