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