

CTPP Pooled Fund Project Update

- Develop special census data products
- Cost: \$5.9 million (Mich = \$197,286)
- Supported activities (2007 – 2011)
 - Data products (50%)
 - On Demand Tech Support (16%)
 - Training (11%)
 - Research (15%)
 - Other activities (8%)

CTPP Pooled Fund Project Update

- Major CTPP Data Products (ACS)
 - 3 Year (2005-2007 data) - June 2009
 - Residence, workplace, and flow (pop > 20,000)
 - Large areas “Super TAZs” (?) based on 2000 geography
 - 5 Year (2005-2009 data) - June 2011
 - Residence, workplace, and flow
 - Small area, sub-county TAZs based on 2010 geography (tract, block group)

TAZ Definition for ACS

- TAZ development: late 2008/early 2009 with TAZ submittal in mid-2009
- Participant Statistical Areas Prog (PSAP)
 - Define 2010 tract, block group geography
 - PSAP software can accommodate TAZ, Super TAZ, etc desired by planners
- Separate State/MPO TAZ geographies!
- State DOTs and MPOs will be involved
- TAZ work paid by CTPP Pooled Fund

TAZ Definition for ACS

- Key Questions to Ponder
 - Residence zones and Workplace zones?
 - Define sets of nested TAZs for future CTPP data products?
 - What PSAP software functionality needed for TAZ submission to CB?
- Comments
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Other CTPP Resources

- CTPP Listserve
 - www.chrispy.net/mailman/listinfo/ctpp-news
- CTPP website: www.dot.gov/ctpp
- TRB Subcomm on Census:
 - www.trbcensus.com

Claritas Emp Database

- MDOT purchased 2005 data
- Geocoded employer records statewide
- More comprehensive, less cleaning
- Cleaning almost completed
 - PO Box, emp checks, industry codes, missing or incorrect addresses, moving points
- Will circulate to MPOs/PADs for own use and review; establish statewide TAZ base

Forecast Methods - Data

- REMI Model – Pop, Emp, HHs, Inc, etc
 - reg'l econ & demographic simulation model
 - econometrics based, simultaneous equations
 - interactions among 100s of variables
 - assess relative attractiveness of a county
 - counties competing for people and jobs
 - integrates local review
- Woods & Poole – Pop, Emp, HHs, Inc, etc

Forecast Methods - Data

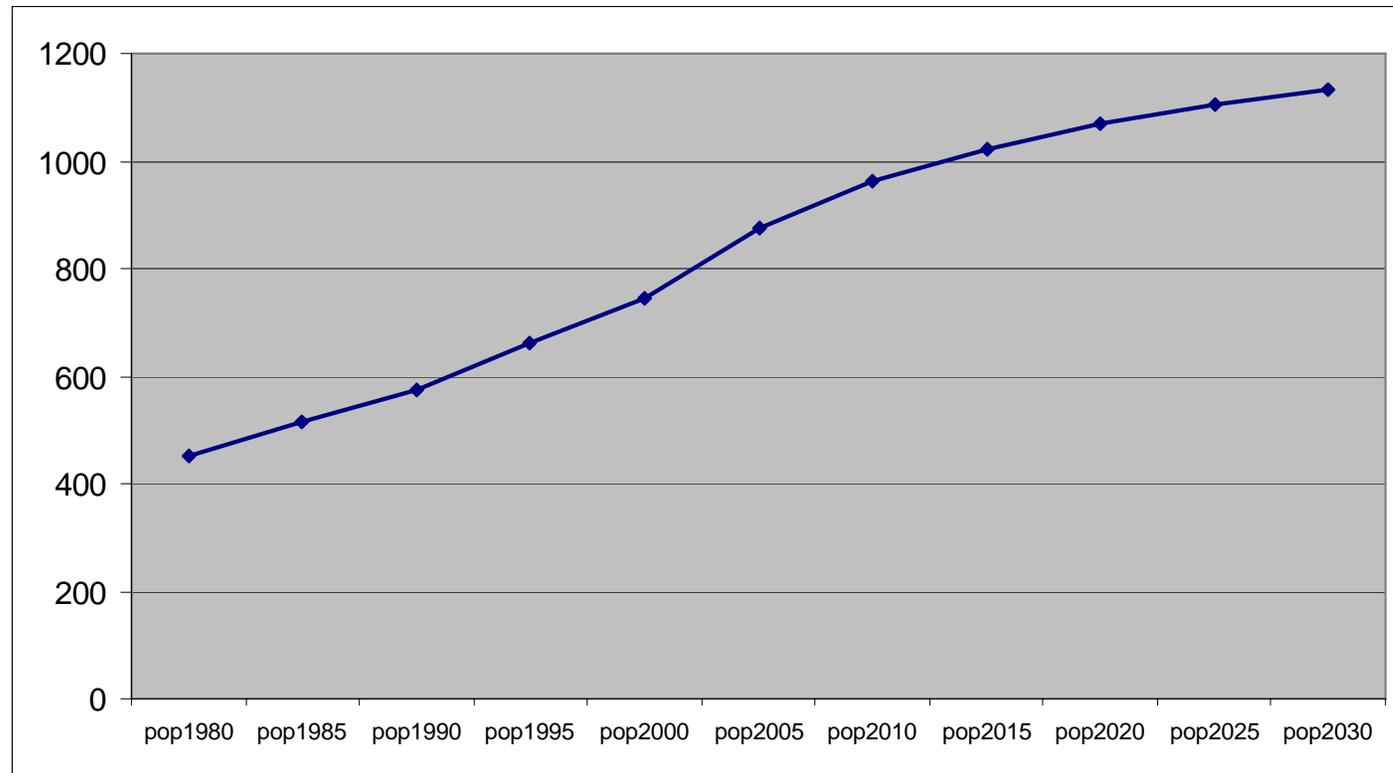
- Global Insight – Pop, Emp, Inc
 - No Farming emp
 - No proprietorship emp
 - No HHs
- Locally-generated forecasts

Forecast Methods - POP

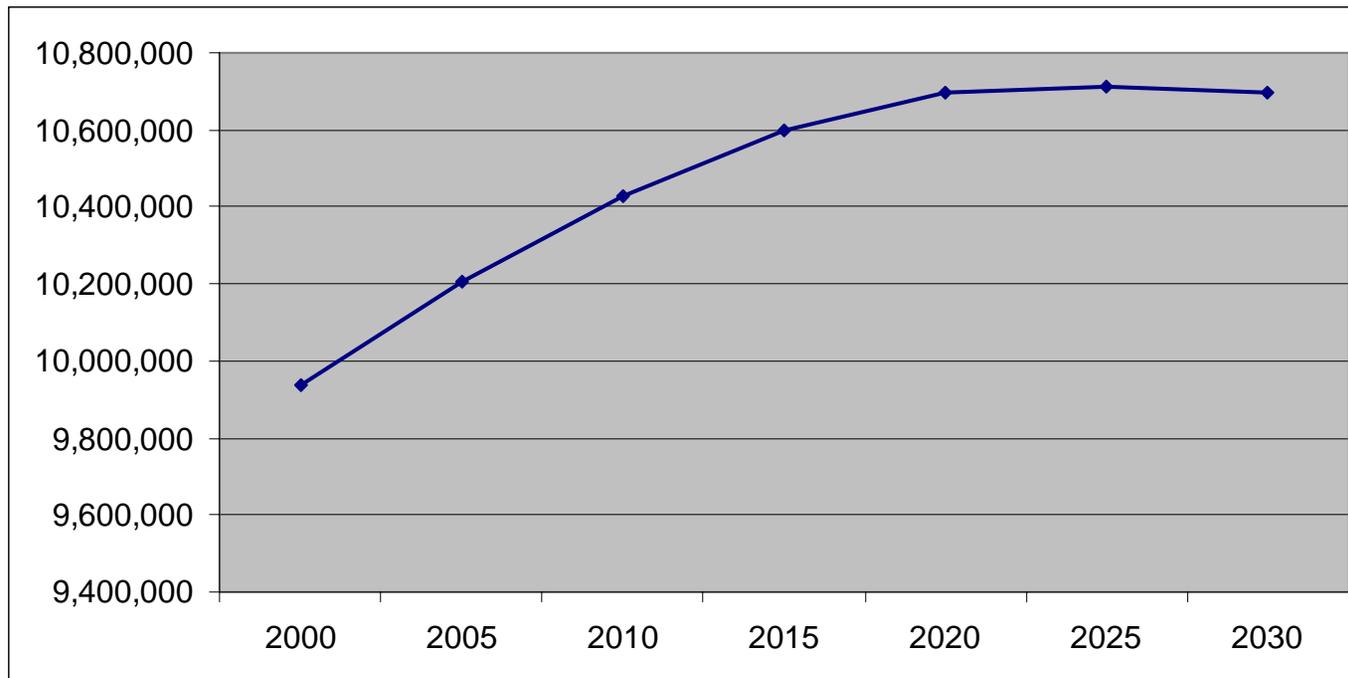
- Statewide block 2000 POP aggregated to TAZ
- Census 2005 MDC POP estimates to TAZ
 - 2000 TAZ shares assumed same in 2005
- For 2030: apply old 2005-2025 % change by TAZ for 2005-2030 change
 - allows growing/declining areas to reflect recent trends but at gentler rate
 - assume recent growth cannot be sustained
- For 2010-2025: interpolate 2005-2030, then factor to REMI control totals

Forecast Methods - POP

- Axiom from Nellett School of Socio-Econ
 - Continue growth (decline) but at declining rate long-term



Forecast Methods - POP



Forecast Methods – POP in HHs

- Statewide block 2000 POP in HHs aggregated to TAZ
- For 2030: assume 2000 TAZ POP in HH % hold for 2030
 - apply those rates to TAZ 2030 POP estimates
 - factor resulting POP in HHs to REMI 2030 control totals

Forecast Methods – OCC HHs

- Stwd block 2000 Occ HHs aggregated to TAZ
- For 2030: Calc % change in REMI 2000-2030 avg HH size by county
 - apply that change to 2000 TAZ avg HH size to get estimated 2030 TAZ avg HH size
 - \wedge_{2030} TAZ OCC HHs =
(2030 TAZ Pop in HHs / 2030 TAZ avg HH Size)
 - Factor results to REMI 2030 control totals
- For 2005-2025: interpolate 2000-2030, then factor to REMI control totals

Forecast Methods – EMP

- MESA 2002 tagged to Statewide TAZs
- Sum emp by TAZ by 6 MDOT emp groups
- Assume MESA-based TAZ emp %s for 2000
 - apply those %s to 2000 REMI or BEA county emp group control totals for 2000 base
- For 2030: apply old 2000-2025 % change by TAZ for estimated 2000-2030 change
 - factor results up/down to REMI 2030 controls
- For 2005-2025: interpolate 2000-2030 results, then factor to REMI emp sector controls

Other Items

- New 2005 Emp Base – Claritas data
 - need to adjust statewide TAZ forecast
- New REMI forecast
 - preliminary forecast due Spring/Summer 2007?
 - MDOT, MPO, PAD review Summer 2007?
 - final forecast due by Dec 31, 2007