2050 Small Area Forecasting process

Forecasting the distribution of households and jobs
Forecasting for the regional transportation planning process

Like different legs in a relay race

Statewide forecasts (State Demography Office, Colo. Department of Local Affairs)
- 2050 forecasts: population, households, jobs
- 64 counties

Small area forecasting (DRCOG)
- Forecast internal distribution of 2050 forecasts (aka control totals)
- 2,800+ small areas (aka zones)

Travel demand modeling (DRCOG, other studies)
- Forecast travel patterns between zones, on transportation network
Small area forecasting: What changed in 2019?

- Updated codebase running in the cloud
- Ability to switch between regional and county control totals
- Tuning capacity of local zoning constraints to local conditions
- Ability to incorporate scheduled development

Additional detail on next slides
Tuning of capacity for jobs and housing

Tuning capacity of local zoning constraints to local conditions

- Leverage best local data consistently available
- Collected annually from local governments

Past approach:
- 17 regional categories local zoning assigned to

Updated approach:
- 1,400+ local categories used to estimate
Scheduled development

Ability to incorporate scheduled development

- Local knowledge may have more predictive power than discrete choice models in near term
- More nimbly incorporate observed change since base year
Small area forecasting: What’s coming in 2020?

Quarter 1  Supporting **regional scenario analysis** for 2050 *Metro Vision Regional Transportation Plan*

Quarter 2  2nd opportunity for **local input on small area forecast** after switch to county-level controls

Quarter 3  Opportunity for **Board discussion of and action on small area forecast assumptions** for 2050 *Metro Vision Regional Transportation Plan*
Small area forecasting process at DRCOG

Forecasting the distribution of households and jobs