



## MEETING NOTES

### TPR MODELING AND ANALYSIS GUIDES UPDATE

#### OMSC WORKING GROUP MEETING #3

OCTOBER 4, 2023; 1:00 PM – 3:00 PM

VIRTUAL MEETING

#### 1. PROJECT TEAM INTRODUCTIONS / AGENDA OVERVIEW

1:00

- Project team introductions
  - Attendees (alphabetical order)
    - > Garth Appanaitis
    - > Alexander Bettinardi
    - > Aaron Breakstone
    - > Kelly Clarke
    - > Tyler Deke
    - > Jeff Frkonja
    - > Zachary Horowitz
    - > Ray Jackson
    - > Nick Meltzer
    - > Kim Sapunar
    - > Tara Weidner
- Review agenda and meeting purpose

#### 2. OVERVIEW OF TM#5 – CFEC MODELING FRAMEWORK

1:05

- Garth Appanaitis provided an overview of the project process.
- Garth Appanaitis provided an overview of TM #5
  - Zachary Horowitz- Any questions about the goal of this framework?
    - > Kim Sapunar - There are some detail related revisions to the memo and to consider moving forward. Will share notes. Zoning categories should be noted rather than Comprehensive Plan designations.
  - Tara Weidner - Purpose will be to make sure we haven't missed anything at this high-level
  - Land Use Inputs
    - > Alex Bettinardi - Activity based models will all be using PopSim

- > Zachary - What do other models use right now? Want to be consistent across jurisdictions but also flexibility.
  - Aaron Breakstone - Metro is transitioning from Metroscope model to a new land use model. Recent hire developing work program to create new model. Not sure if PopSim is or will be considered as the new land use model.
  - Ray Jackson - We are testing PopSim now for use in the existing four-step model.
    - Jeff Frkonja - Ray, are you looking at some of the add-on features that support rapid adjustments to the LU scenarios in PopSim?
    - Ray Jackson - Not yet. Currently working on getting comfortable with PopSim and replicating the HIAs for base year and eventually the future year.
  - Tyler Deke - City of Bend has been using Envision Tomorrow for forecasting/planning work. MPO has been using that to help inform land use/demographic data.
  - Kelly Clarke - Central Lane uses UrbanSim. Nick Siegel is the staff that leads this effort.
- > Alex Bettinardi - PopSim wouldn't necessarily replace UrbanSim or Metroscope land use tools, it feels like tools that would work together. Curious if UrbanSim deals with demographics.
  - Jeff Frkonja - These are generally complementary tools but we have to be careful about translating similar inputs between PopSim, UrbanSim, Metroscope, Envision Tomorrow etc.
- > Tara Weidner - PlaceTypes gets to ingredients that will reduce VMT
  - Alex Bettinardi - Agreed - PlaceTypes is another complementing tool, not a replacement for the other tools.
- > Jeff Frkonja - Urban footprint is a scenario creation/accounting tool and can help produce performance measures. Not particularly predictive. Could potentially be used to rough out Climate-Friendly Areas (CFAs).
- Other zonal inputs
  - > Alex Bettinardi - Most are focused inside CFAs but employment (and potentially other inputs) is sometimes difficult to figure out an employment total for a specific region. As CFAs are considered with different PlaceTypes, may want to have a mix of uses in the CFA.
  - > Nick Meltzer - Rules are prescriptive for households, but not for employment. Employment is a wildcard. For the Albany case, Nick and Alex went conservative with residential assumptions.
  - > Zachary Horowitz - I think that's a good process, Nick - to err on the low side for employment. However, there would seem to be examples of mixed-use areas around the state that have developed around housing, and it would probably be a fair assumption to assume some employment (retail?) in those areas where housing is projected to be built
    - Nick Meltzer - Totally! we just had no idea on how to approach that thought process and make assumptions we could justify. The housing allocation is much more prescriptive .
    - Zachary Horowitz - Well maybe we can develop some general guidance to use?
    - Nick Meltzer - That would be great.
    - Zachary Horowitz - Will be sure to add employment allocation to the to-do list

- Ray Jackson – Under 2a (market assumptions) in some cases the code allows it but it doesn't play out by 2050. Understand what will build and how we get there.
- > Tara Weidner – Intersection density is another input to consider
  - Bend doesn't really use or update in the future
  - Ray Jackson - Hasn't used this beyond when a new large development comes in. Doesn't really see much value in this measure. Feels like it builds on old factors
  - Aaron Breakstone - Intersection density is proxy for urban form. We tie this to placetypes in the long term vision. Each placetype contains a minimum value for intersection density, parking charges and transit subsidies.
  - Alex Bettinardi - Thaya (Metro) has provided a write-up for what Metro's intersection density measure includes.
  - Jeff Frkonja - There are also other ways to more directly apply something like ped/bike improvements than intersection density. e.g., there are some off-model tools RSG has used in the past.
  - Jeff Frkonja - Regarding intersection density, there are also urban development design standards or incentives that create publicly usable pathways through private mixed-use or MF parcels, those can also be quantified and used to add pedestrian "intersections" in places where there isn't technically an intersection in the public ROW....often used to break up the streetscape in "super blocks."
  - Zachary Horowitz - Might there also be a way to incorporate the quality of ped/bike facilities in the intersection density measure?
    - Alex Bettinardi - Interesting thought Zachary. I'm currently working with the OMSC to see if we want to handle intersection density in a different (better) way for the ABM. So far, I haven't had any inspiration, but I would love to brainstorm your comment more - there might be something we can pursue there...
    - Jeff Frkonja - Yes, the intersection density measure can be used to incorporate bike/ped facilities, but often it's useful to internalize on-street active trans infrastructure in the model framework (e.g. Metro's bike sub-model). There are some models that take amount of sidewalks (e.g. linear feet per unit area) at the zonal level into direct account...think "sidewalk density".
    - Kelly Clarke – For what it's worth, the CLMPO TDM Methodology Report discusses intersection density:  
[https://www.lcog.org/sites/default/files/fileattachments/metropolitan\\_planning\\_organization/page/3448/2045\\_rtp\\_appendix\\_k\\_trip-based\\_travel\\_demand\\_model\\_methodology\\_report.pdf](https://www.lcog.org/sites/default/files/fileattachments/metropolitan_planning_organization/page/3448/2045_rtp_appendix_k_trip-based_travel_demand_model_methodology_report.pdf)

> **LOST INTERNET AND REGAINED CONNECTION AGAIN**

- > Model run and adjustments
  - Garth Appanaitis - Network edits did not make it onto the slide but probably should be there.
  - Ray Jackson – Connector placement will be important for CFAs
- > Framework discussion questions
  - Kim Sapunar - If a CFA needs to be refined, it goes is back to the local jurisdiction which would be a big effort. Local agency not waiting to see if modeling results validate their CFA.

- Jeff Frkonja - What if the analysis (rather than redefining CFA), leads to more strategies to get locally preferred CFA to meet requirements?
- Kim Sapunar - Zoning capacity analysis, existing analysis already meets capacity for CFA but market doesn't support it. For example, Salem already has density mostly baked into code but that development hasn't happened yet. Would require other policies, etc.
- Zachary Horowitz - There will be some iteration
- Kim Sapunar - May point to need for more TDM planning.
- Zachary Horowitz - As a counter-example, I think what the City of Portland and Metro did for the West Portland Park Metro 2040 Center (my neighborhood) is a good example of a CFA that may be achievable
  - For those curious: <https://www.portland.gov/bps/planning/wpdx-town-center>
- Tara Weidner - E.g. Good list of "mixed use" ingredients & barriers from this TCHRP 2004 report: <https://nap.nationalacademies.org/read/23360/chapter/1#vi>

### 3. CFA CASE STUDIES

2:10

- Garth Appanaitis provided an overview of objectives, considerations, and options.
  - Discussion – What makes a good CFA case study candidate?
    - > Ray Jackson - Looking for just a single CFA or multiple CFAs in a metro area?
      - Garth Appanaitis - For simplicity, single CFA or a couple CFAs within a single local jurisdiction. Looking for simplicity and realism.
    - > Tara Weidner - Need to look at larger region beyond CFA to talk about employment and household balancing across an area.
    - > Kelly Clarke - Look at one plan and different types of things.
    - > Garth Appanaitis - Let project team know if local agencies have done a lot of planning work.
  - Discussion – What are potential candidates for the case studies?
    - > Local agencies with prior work
    - > Salem/Keizer has done some work around CFAs and will be doing scenario planning soon. Salem's CFAs are all downtown, so may be less complex. Keizer still needs to go to City council. They have preliminary identified 3 CFAs.
    - > Albany - Back of the napkin work, primarily a modeling exercise for the MPO. More to answer question about if RTP would be impacted by MPO. CALM also has university model, which adds complexity.
    - > Bend – Some very preliminary work has been done around CFAs.
    - > Grants Pass - Currently looking at 3 CFAs
    - > Kelly Clarke noted that the Central Lane region will be doing scenario planning with ODOT in the next calendar year.
    - > Zachary Horowitz - What about Gresham/Milwaukie? They are starting their TSPs soon. Aaron Breakstone - Follow up with somebody in Kim's group.

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#### **4. CONTEXT OF PERFORMANCE MEASURES/STANDARDS/TARGETS IN OAR** **2:35**

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- Zachary Horowitz provided an overview of what is referenced in OAR in the context of performance measures.

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#### **5. OVERVIEW OF TM#8 AND TM#9** **2:40**

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- Garth Appanaitis provided a very high-level summary of the work on TM8 and TM9 related to performance measures.

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#### **6. NEXT STEPS / ADJOURN** **2:55**

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- Garth will send out slides to OMSC Members
- Next meeting will discuss CFA Case Studies
- Please provide comments by 10/18