**Demo of ODOT input/output documentation & processing of VisionEval tools**

**VisionEval User Experience Workshop**

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[ODOT SARSPM](http://www.oregon.gov/ODOT/Planning/Documents/Oregon-Strategic-Assessment-RSPM-Users-Guide.pdf) (link)

**ODOT’s Strategic Assessment Users Guide (RSPM)**

Not particularly happy with…but does cover basics for how ODOT’s scenario planning process works for local planners (not appliers)

* High level why, how tool works, Geography; FAQ
* Appendix 1 Checklist (p.17-18) walk through with locals to get inputs – *Planner Perspective*
* Appendix 2 (p. 20) input details – basis for attachment;

Input Documentation – *Applier Perspective*

**VE\_InputDoc\_Mockup\_20180406.docx** -- link to self-documenting code

* Toggle at top to version – VE RPAT/RSPM with version#, or prior to VE versions
* Drop downs break inputs into bite-size chunks of related modules/inputs, toggle open/closed
* Within each “input category” – Intro, ref Table of inputs (w/geography, parameter vs. input) which is linked to self-documenting code, then sub-sets “philosophy” of how files work together, definitions with call-out box of best practices, sources, key user actions vs. defaults.
* Could do the same for modules for this “category”

[**Cheatsheet**](https://github.com/gregorbj/VisionEval/wiki/documents/RSPM-TFLmodelVariables_May2017.pdf)(or **RSPM-VarRelationships2.xlsx**)--“influence on outcomes”; code-automated?

Need to know all the time to decipher the model and its results – What are the variables that influence the outcomes/decisions in the model. For instance, RPAT walk trips output is only influenced by the land use (mixed use-density), despite all the transit, pricing, other policies.

Query Language (in/outputs)

**State\_measures\_spec\_TN.csv** – identify measure, how calculated (query language), units/comments/text, still hard to get x-tabs (e.g., by land use type, income, veh type)

**Summary\_state\_measures.csv** – output used in further processing, measures are rows, years are columns; in multiruns, pick a year and replace years with scenarios (code)

Output processing

**AP\_20180302\_Summary\_PM.xlsx** -- Dashboard with each scenario

“summary\_state\_measures.csv” – raw output by year

“Summary Measures” – health report on scenario…nothing drastically changed, others as expected

“Validation”

**GreenSTEP\_Output\_Chart\_Round4a.xlsx** – selected scenarios

“Scenario\_area\_comp Transpose” (use filters for meeting outcome criteria)

“Scen Results” -- absolute

“Master” -- % vs. Reference

“Charts” – % vs. Ref; bars & tabular, diff metrics for different policies (road vs. bike/ped) swap in/out

“GHG Metric Tons” – absolute by veh category (LDV, truck, bus), cumulative, % reduction vs. baseyear

**GReenSTEP\_Output\_Chart\_Round3.xlsx**

“Charts-IncGrow” diff metrics for different policies (road vs. bike/ped) swap in/out