

Updating the PSRC Forecast Products

June 24, 2020

Model Users Group



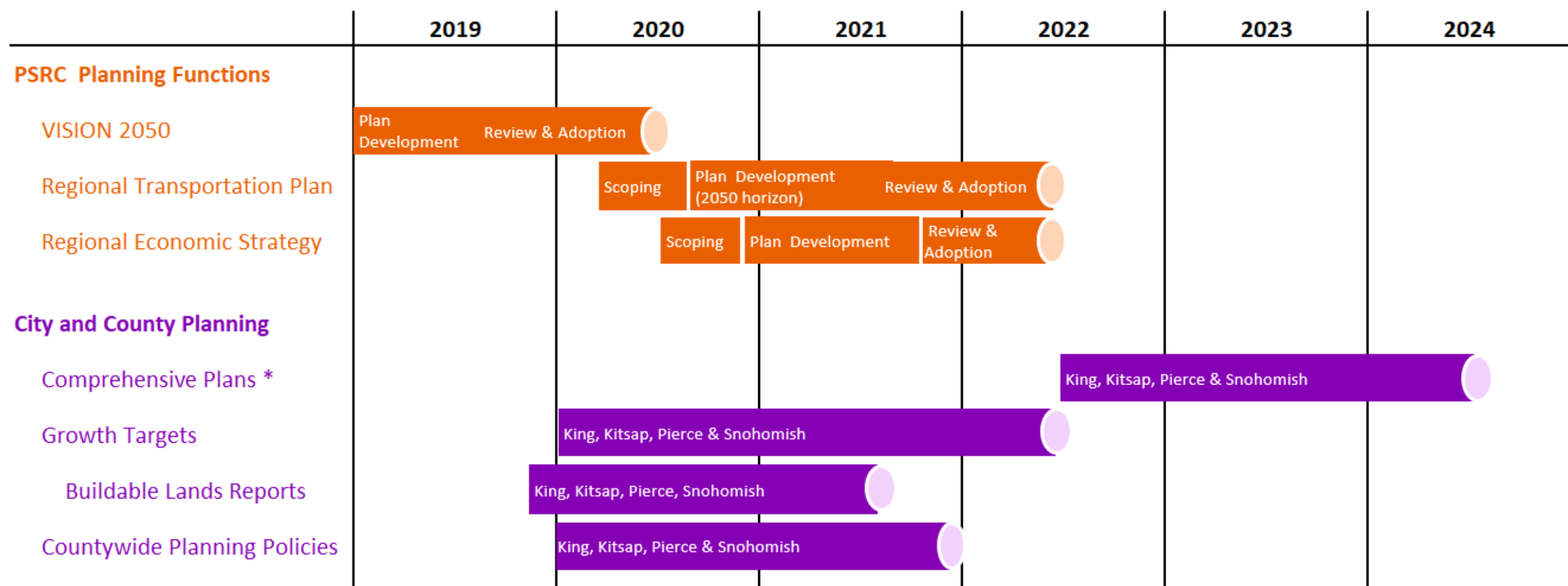
Puget Sound Regional Council

Overview

- Planning Timeline
- Goals
- Proposed Updates – content and schedule
- Regional Forecasts



Consistent with planning projects timeline



**Reflects adjusted comprehensive plan due dates for King, Pierce and Snohomish in [ESHB 2342](#)*



Meet the following goals

- Update current LUV product
- Support major internal and external planning efforts
- Reflect both VISION 2050 and initial implementation work

Current LUV product

- Current LUV released April 2017

Input	LUV.2 (Current Product)
Base Year data	2014 data
Future Land Use (FLU)	As of 2015/2016
Regional Forecast	Version released in 2015
Horizon Year	2040
Regional Geography	From V2040
Local Growth Targets	Current
Jurisdiction Control Totals	Developed in 2017
<i>Schedule for Deliverable</i>	<i>On PSRC Website Now</i>

Grey shading indicates inputs used in the current LUV.2 forecast product



Limited LUV update in 2020

Input	LUV.2 (Current Product)	2020 Limited LUV Update
Base Year data	2014 data	2014 data
Future Land Use (FLU)	As of 2015/2016	As of 2015/2016
Regional Forecast	Version released in 2015	Latest version released in 2018
Horizon Year	2040	2040
Regional Geography	From V2040	From V2040
Local Growth Targets	Current	Current
Jurisdiction Control Totals	Developed in 2017	Adjust for 2018 regional forecasts
<i>Schedule for Deliverable</i>	<i>On PSRC Website Now</i>	2020

- Current LUV released April 2017
- Adjust jurisdiction control totals:
 - Latest regional forecast
 - OFM forecasts (distribution of growth among counties)
- Maintain 2040 horizon year
 - Potential confusion with VISION 2050
 - Not extend further beyond local planning horizons

Grey shading indicates inputs used in the current LUV.2 forecast product



Release a full LUV update in 2022

Input	LUV.2 (Current Product)	2020 Limited LUV Update	Full LUV Update (2022)
Base Year data	2014 data	2014 data	2018 data (in progress)
Future Land Use (FLU)	As of 2015/2016	As of 2015/2016	2020 update (in progress)
Regional Forecast	Version released in 2015	Latest version released in 2018	Latest version released in 2018
Horizon Year	2040	2040	2050
Regional Geography	From V2040	From V2040	From V2050
Local Growth Targets	Current	Current	2021-22 updates
Jurisdiction Control Totals	Developed in 2017	Adjust for 2018 regional forecasts	Reflects V2050 and updated 2021-22 Growth Targets
<i>Schedule for Deliverable</i>	<i>On PSRC Website Now</i>	2020	2022

- Post-VISION 2050 Growth Targets
- Exact timing to be determined

Grey shading indicates inputs used in the current LUV.2 forecast product



Release a full LUV update in 2024/25

Input	LUV.2 (Current Product)	2020 Limited LUV Update	Full LUV Update (2022)	Full LUV Update (2024/25)
Base Year data	2014 data	2014 data	2018 data (in progress)	2022 data (likely)
Future Land Use (FLU)	As of 2015/2016	As of 2015/2016	2020 update (in progress)	2024 update
Regional Forecast	Version released in 2015	Latest version released in 2018	Latest version released in 2018	TBD
Horizon Year	2040	2040	2050	2050
Regional Geography	From V2040	From V2040	From V2050	From V2050
Local Growth Targets	Current	Current	2021-22 updates	2021-22 updates
Jurisdiction Control Totals	Developed in 2017	Adjust for 2018 regional forecasts	Reflects V2050 and updated 2021-22 Growth Targets	Reflects V2050 and updated 2021-22 Growth Targets
<i>Schedule for Deliverable</i>	<i>On PSRC Website Now</i>	2020	2022	2024/25

- Comp plan updates complete
- FLU updated accordingly
- Likely move to a 2022 Base Year

Grey shading indicates inputs used in the current LUV.2 forecast product



2022 RTP analysis

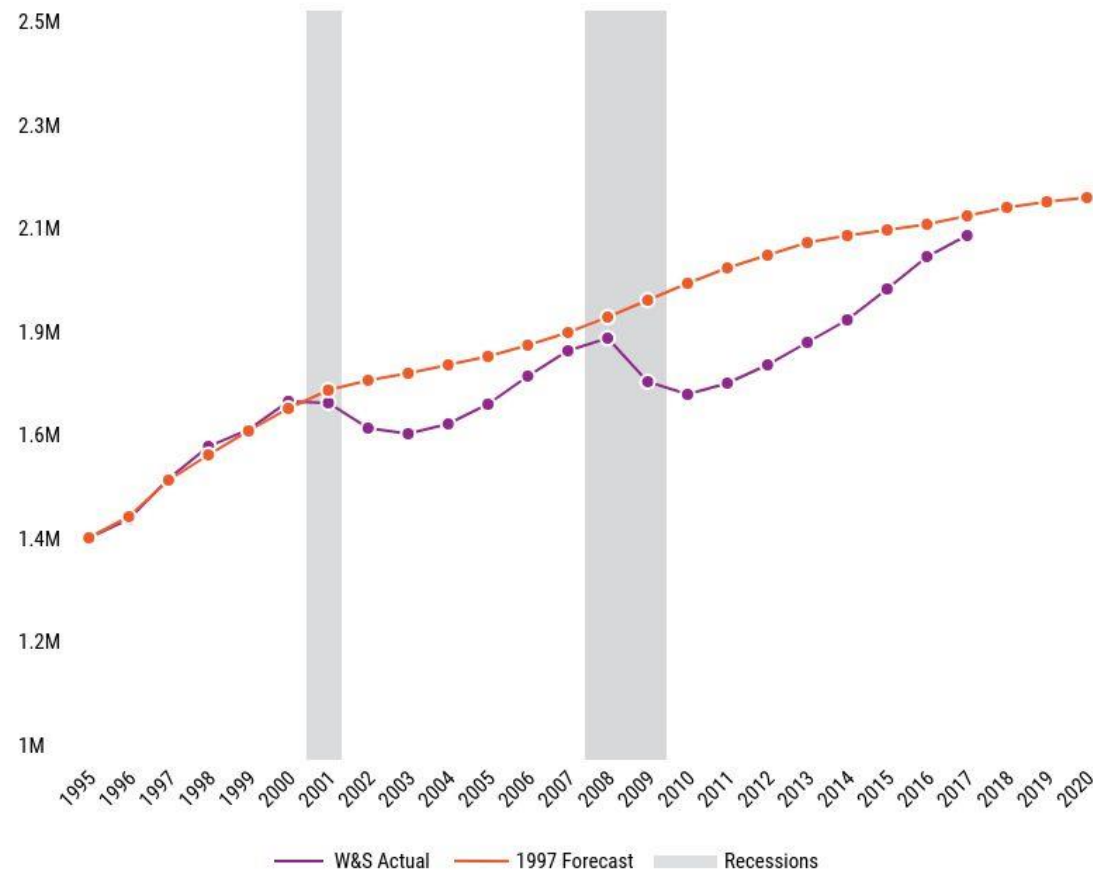
- VISION 2050 Regional Growth Strategy
- Refresh with updated input
 - 2018 Base Year data
 - Updated FLU
- 2050 control totals would not change - location of growth within jurisdictions could be altered



Timing for the next regional forecast

- Normal cycles included in trend data & behavioral assumptions

Regional Wage and Salary Employment, Actual Versus Forecast



Source: PSRC, ESD, NBER

<https://www.psrc.org/whats-happening/blog/looking-beyond-covid-19>



Timing for the next regional forecast

- Normal cycles included in trend data & behavioral assumptions
 - **However, this is not a normal event**
- Uncertainty around depth and duration of pandemic impacts
- Reassess by summer 2021 on timing for next update
 - 2022 or 2023
 - Coordination with OFM 2022 projections ?
 - Input to 2022 LUV or 2024/25 LUV ?





Mark Simonson
msimonson@psrc.org

Carol Naito
cnaito@psrc.org

Thank you.



Update on the PSRC Model Base Year

June 24, 2020
Model Users Group



Puget Sound Regional Council

Overview

- Contents of the base year database
 - Job data from LODES
 - Future year land use (FLU)
- Schedule



Updating from 2014 to 2018 conditions

- Primary components:
 - Parcels & Buildings from assessor's data
 - Synthetic Households and Persons records
 - Jobs
 - Schools
 - GIS overlays (environmental areas which limit development)
 - FLU database
 - Major planned developments (MPDs)
- Following same blueprint



Non-confidential LODES job data inputs

- LODES = LEHD Origin-Destination Employment Statistics
 - Published at block level (<https://lehd.ces.census.gov/data/>)
 - Same source data as Covered Employment but with “noise” added
 - Adjustments from work with QCEW applied

With QCEW, PSRC knows granular detail but can't share it

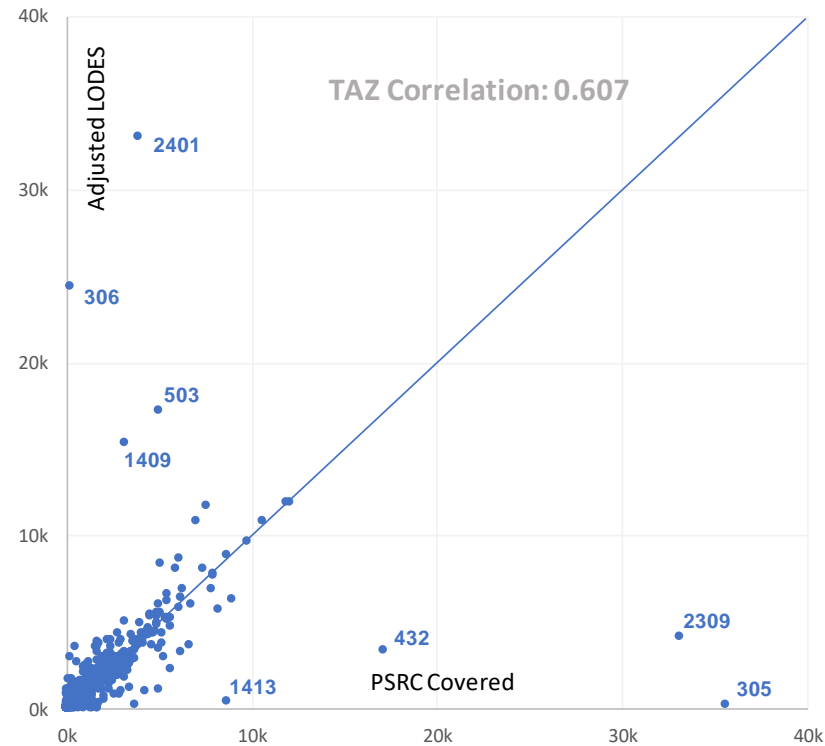
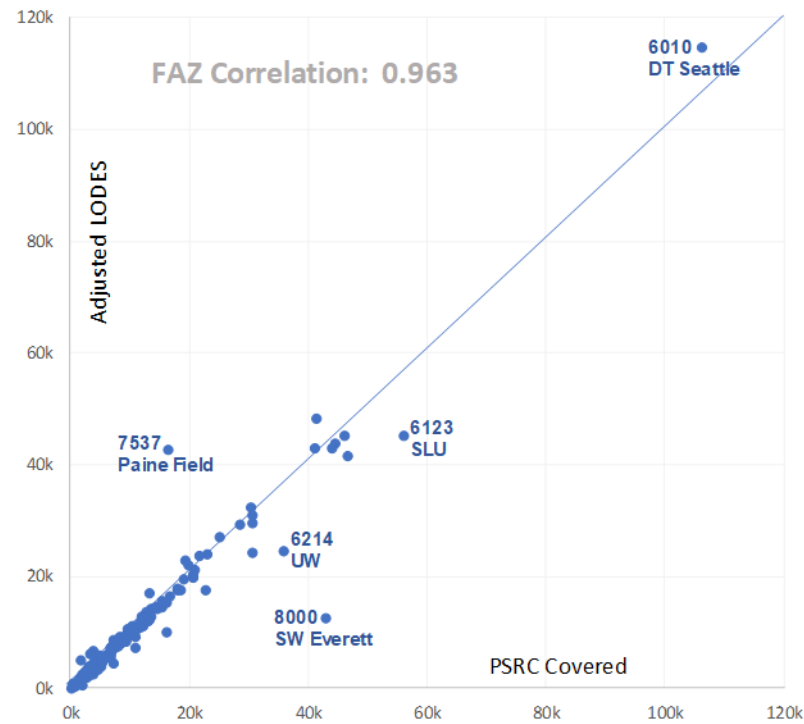
With LODES, we can share but don't know the granular detail

- Swapped into 2014 Base Year inputs for VISION 2050 modeling work and alternative LUV.2 product
- Latest available is 2017 with 2018 scheduled for fall release



How has LODES compared to QCEW ?

- 2014 spatial correlations at FAZ and TAZ



- SoundCast testing showed minimal variation



FLU used to represent development capacity


- Primarily zoning codes
 - Min and max allowable densities (DU/Acre and FAR)
 - Allowable uses (residential, commercial, industrial, etc.)
 - Maximum heights
- Work ongoing
 - Assembled inventory of codes by jurisdiction
 - Review period sometime this summer
 - Translating codes to density measures



Work ongoing through the summer

- Phase 1: Data needed for SoundCast testing
 - Parcels, Buildings, HHs, Persons, Jobs, Schools
- Phase 2: Remaining inputs for UrbanSim runs
 - FLU, Overlays, MPDs
- Hip-deep in Phase 1 and FLU assembly work now
- Complete by Sept-Oct 2020





Peter Caballero
pcaballero@psrc.org

Lauren Engel
lengel@psrc.org

Mark Simonson
msimonson@psrc.org

Thank you.

