

Lake Washington School District: Preliminary Enrollment Forecasts

By: Jerry Oelerich, Senior Analyst



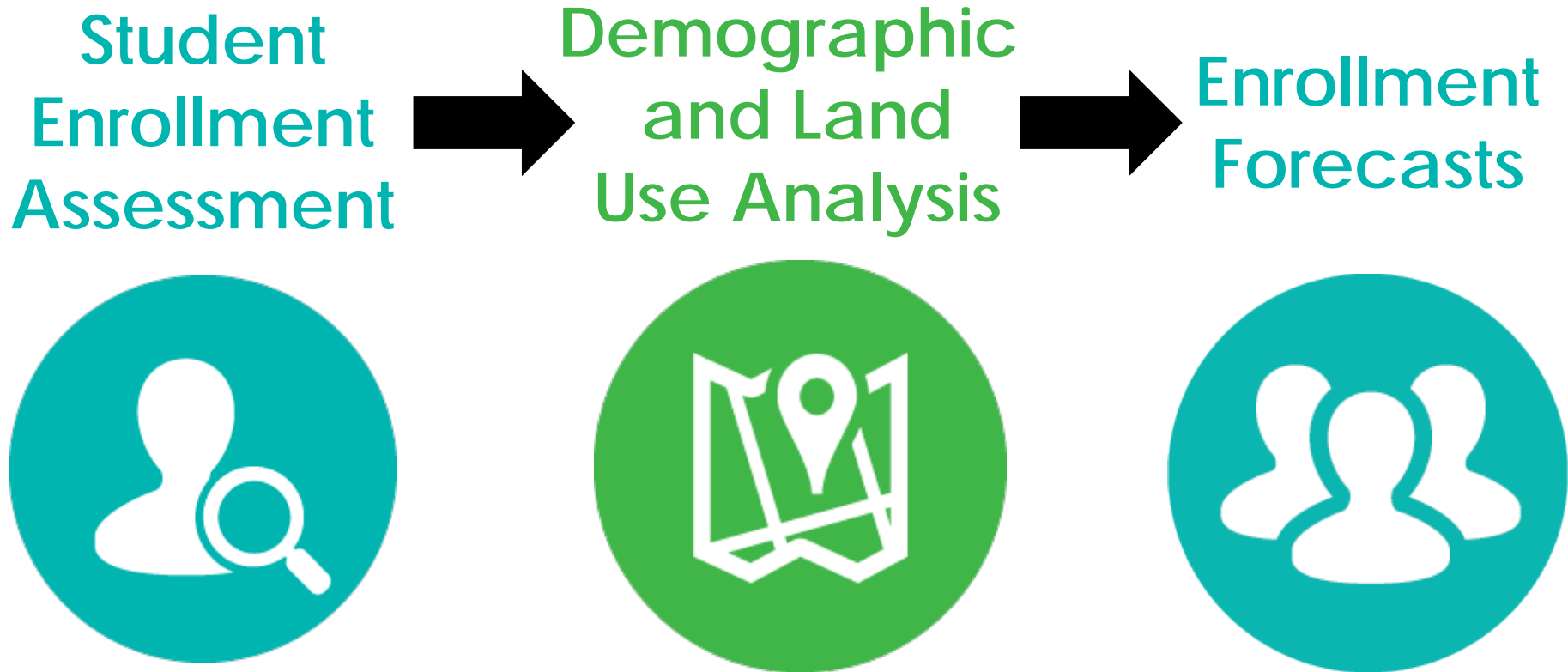
About FLO Analytics

- ❖ Planning, GIS, and data analytics consulting firm
- ❖ Committed to improving our communities
- ❖ School districts
 - Enrollment forecasting
 - Boundary review services
 - School siting analysis

What We Plan to Cover

- ❖ Forecasting Methodology
- ❖ Housing Data
- ❖ Enrollment Forecasts
- ❖ Questions/Discussion

Enrollment Forecasting

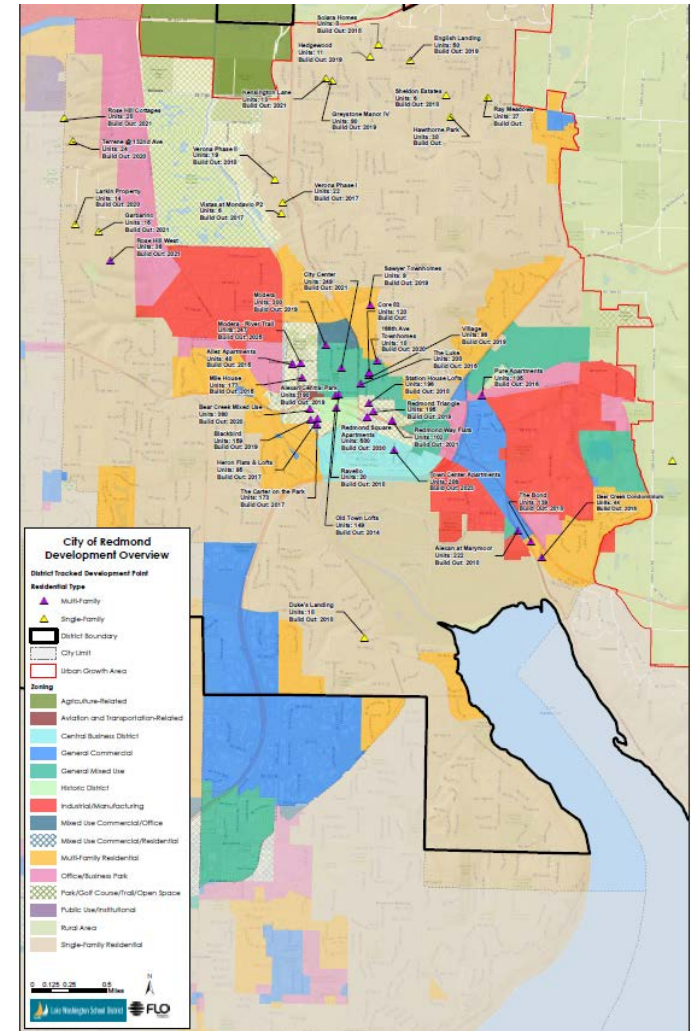
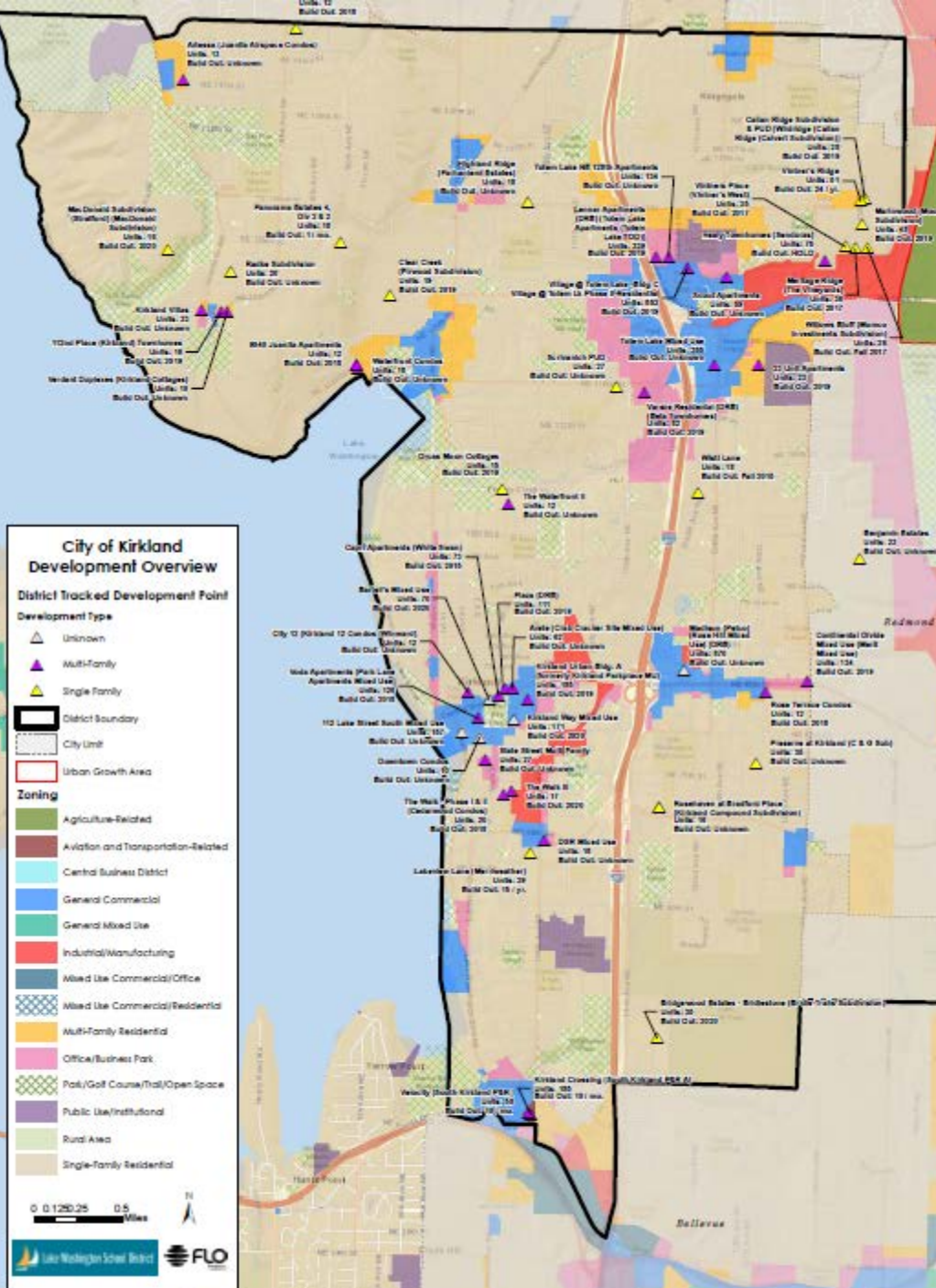


Land Use, Planning, and Development Data

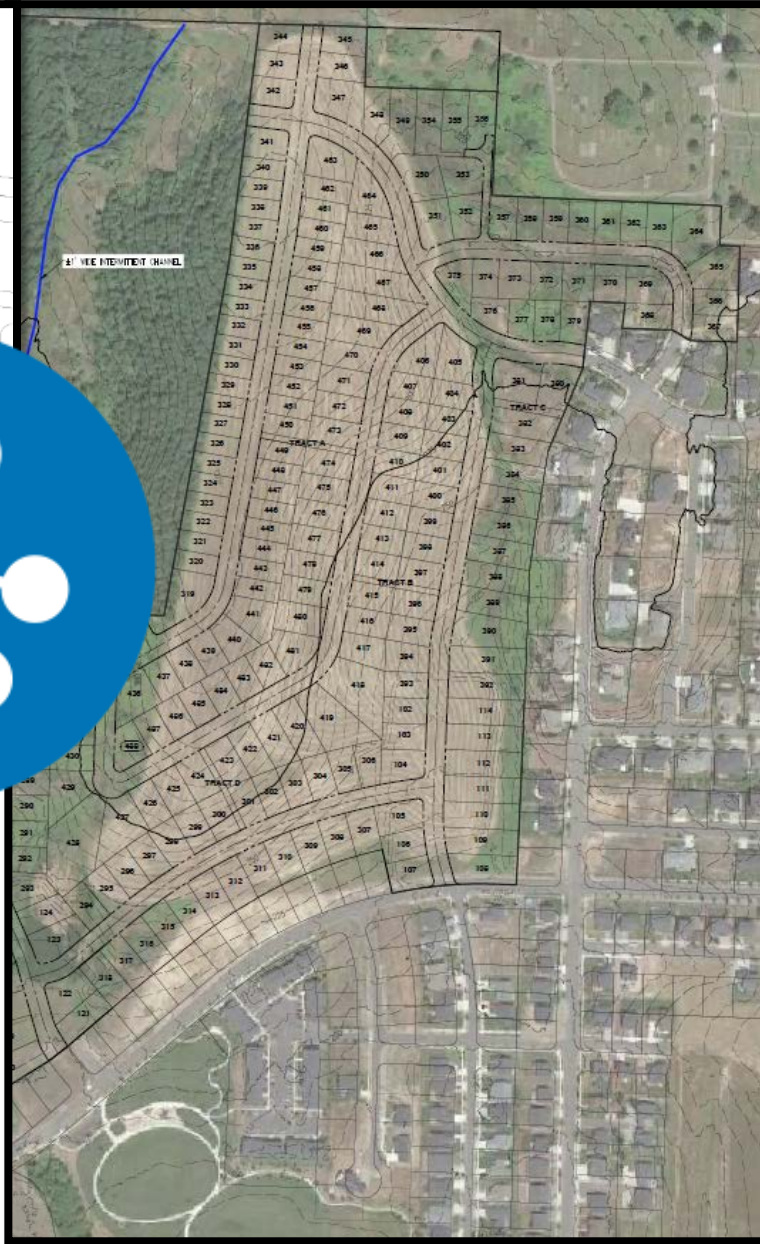
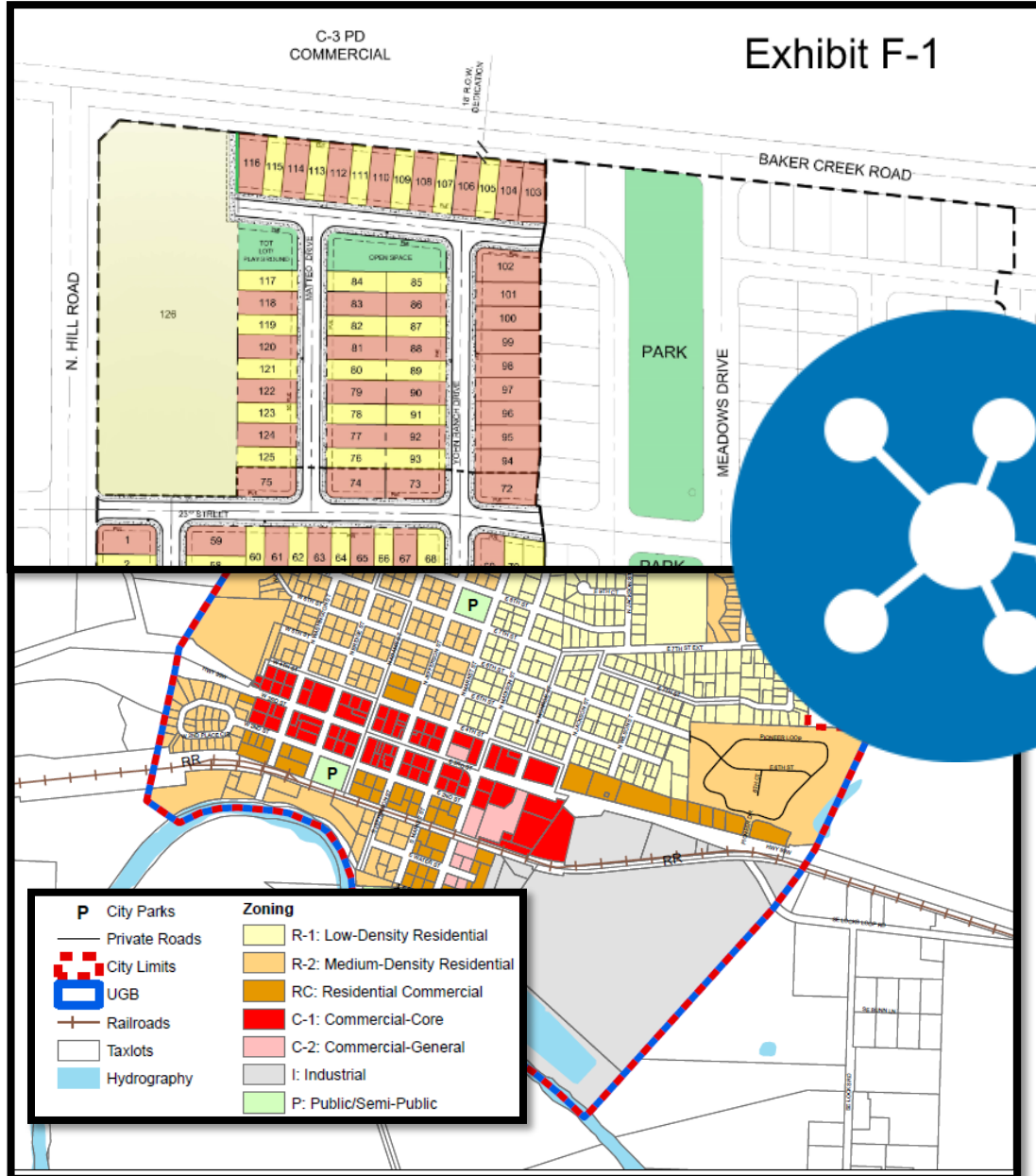
- County & Municipality Planning Departments
 - Building Permits / Plats
 - Zoning
 - Comprehensive Plan
 - Urban Growth Area/Boundary
 - Buildable Lands Inventory
 - Housing Needs Analysis
- Third Party Resources
 - Census Data
 - Construction Permits
- District Data



Land Use & Development



Data Consolidation



Types of Enrollment Forecasts

- **Building/Program Attendance: number of students expected to attend a school**
 - Presents “actual” enrollment or the number of “students in desks”
 - Accounts for out-of-district students, specials programs, etc.
- **Residence-based: number of students expected to reside within a certain region, whether it be the District as a whole, or individual attendance areas.**
 - Generally more accurate since not subject to the variability of student choices (e.g., intra-district transfers) or special program placement
 - More suitable for boundary scenario modeling, because re-allocation to different boundaries besides the current attendance areas is possible

Source Data

- Washington State Office of Superintendent of Public Instruction (OSPI) October Enrollment
- Washington State Office of Financial Management (OFM) County Population Forecasts
- Washington State Department of Health (WDOH) Birth Data
- US Census (2010) & American Community Survey (2018)
- Esri Demographics



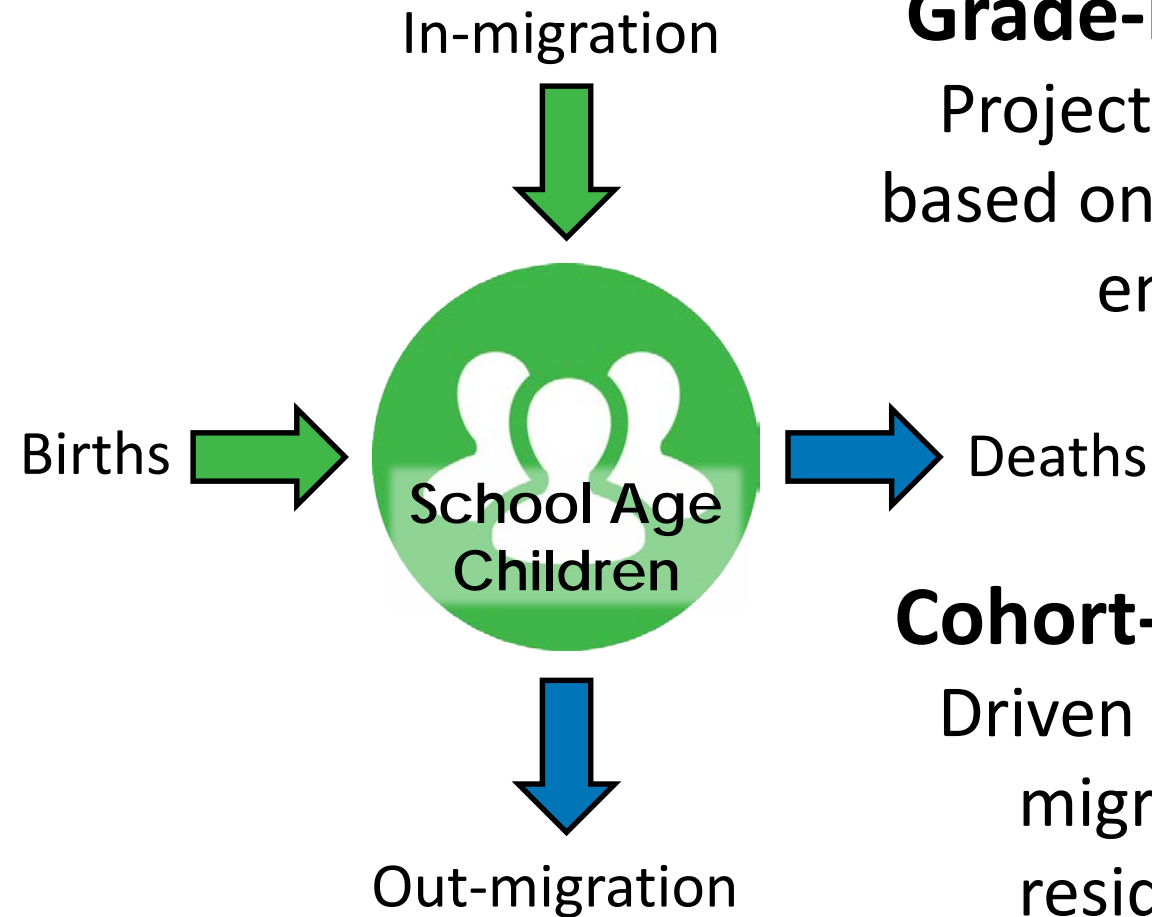
Methodology - Models

Grade-Progression Model:

Projecting future enrollment based on past & current student enrollment trends

Cohort-Component Model:

Driven by births, deaths, and migration; emphasis on residential housing unit development



Thanks!

QUESTIONS?

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