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July 2, 2024

MEMORANDUM

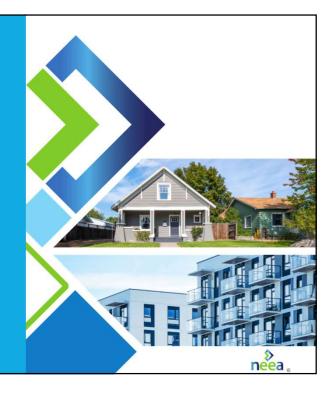
- TO: Council Members
- FROM: Kevin Smit
- SUBJECT: Residential Building Stock Assessment

BACKGROUND:

- Presenter: Mike Psaris, Senior Program Manager, NEEA
- Summary: The Northwest Energy Efficiency Alliance recently completed the 2022 Residential Building Stock Assessment (RBSA). NEEA will provide background information and high-level results of this RBSA.
- Relevance: The RBSA is a region-wide survey of the housing characteristics of our northwest existing stock. Council staff rely heavily on the various stock assessments, including the RBSA in developing the energy efficiency supply curves for the power plan. The RBSA provides data for things like shares of electricity vs. gas heating equipment, insulations levels, window types, light bulbs, water heaters and appliances. These data enable the Council and regional utilities to define baseline energy characteristics of the housing stock and then estimate remaining energy efficiency potential in significant detail. The Regional Technical Forum (RTF) also utilizes these data for EE measure development. NEEA develops a new RBSA approximately every five years.
- Workplan: B.2.1 Prepare for the ninth power plan, developing a draft scope, preparing models and inputs, and developing environmental methodology. B.2.1 Expand modeling and data sets.

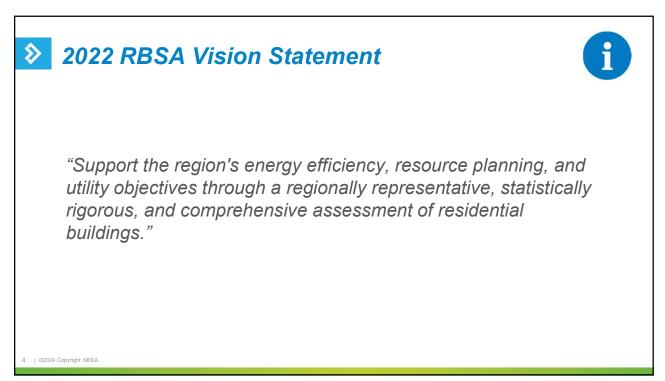
2022 Residential Building Stock Assessment (RBSA) ➢ Findings

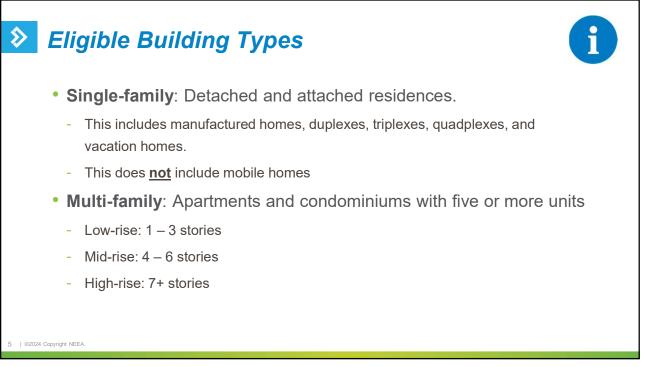
> Mike Psaris Senior Program Manager, NEEA *07/09/2024*

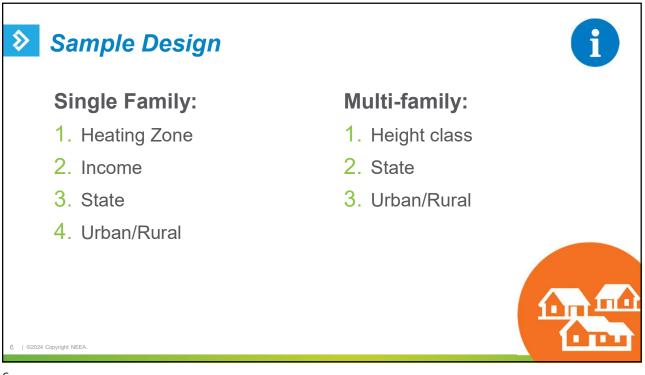


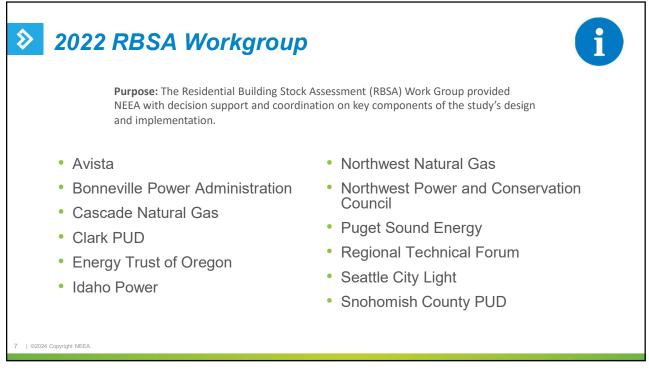




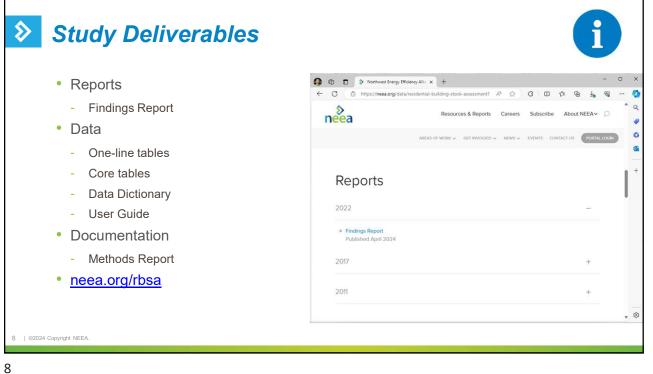




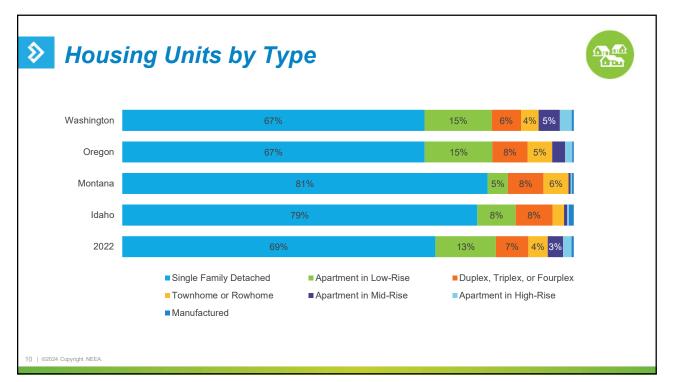


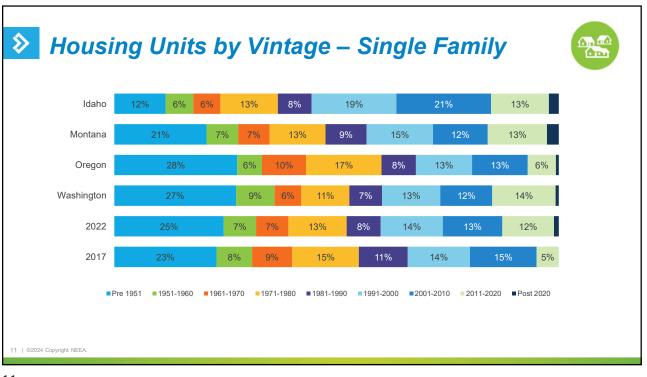


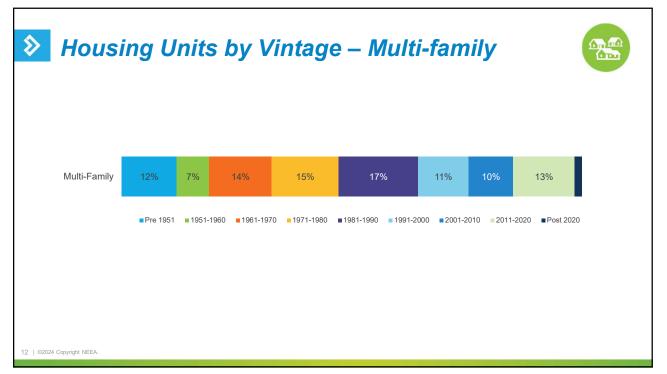




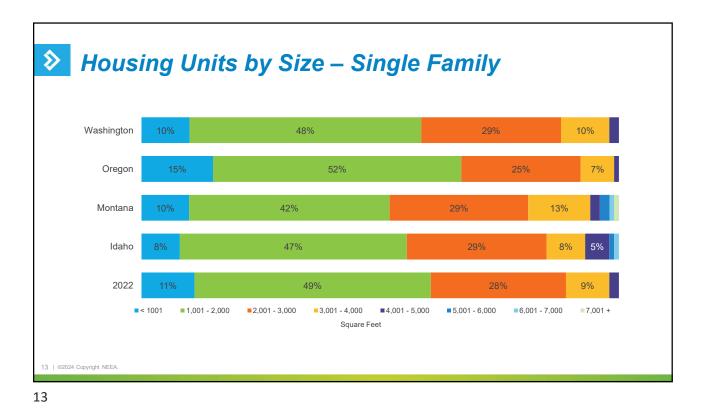












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		2022	2014	Cas (thermales ft)	2022	2014
	Electric (kWh/sq.ft.)	2022	2011	Gas (therms/sq.ft.)	2022	2011
	Electric (kWh/sq.ft.) Idaho Montana	2022 6.7 5.5	2011 7.6 5.4	Gas (therms/sq.ft.) Idaho Montana	2022 0.4 0.4	2011 0.4 0.5
	Idaho Montana	6.7	7.6	Idaho Montana	0.4	0.4
	Idaho	6.7 5.5	7.6 5.4	Idaho	0.4 0.4	0.4 0.5

