

Oregon Department of **ENERGY**

Electricity Demand in Oregon

House Interim Committee
on Climate, Energy, and
Environment

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September 23, 2024



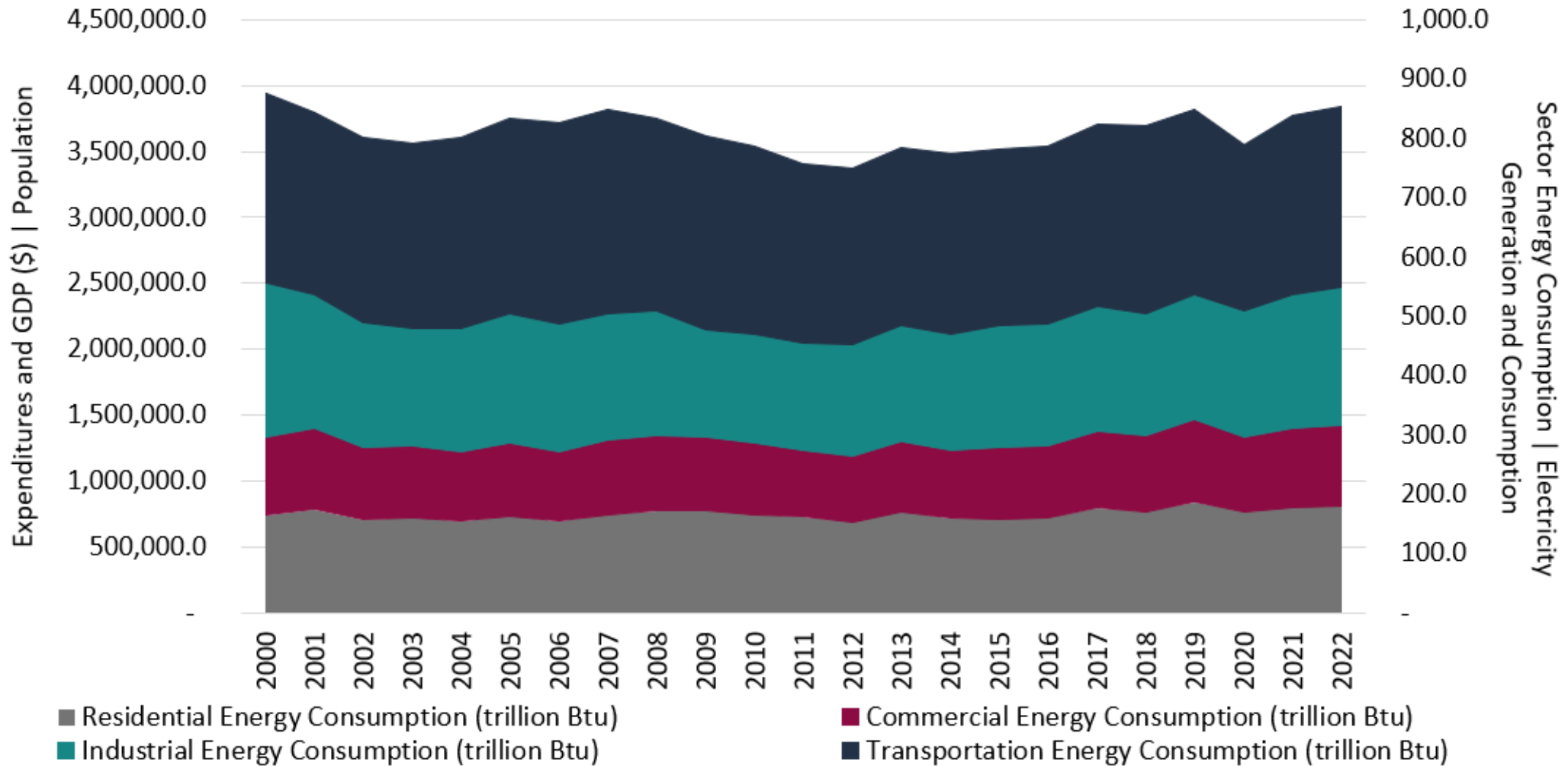
FORECASTING FUTURE DEMAND IN THE REGION

- [Pacific Northwest Utilities Conference Committee](#) (May 2024)
 - Anticipates a 30% increase in demand over the next decade
- [Northwest Power and Conservation Council](#) (August 2024)
 - Anticipates 2,400-4,000 MW of load growth from the tech sector
- [Bonneville Power Administration](#) (August 2024)
 - Anticipates that the region will have a growing deficit in capacity over the next decade
- [Western Electricity Coordination Council](#) (report forthcoming)
 - Reports that utilities plan to double investment in generation over the next decade



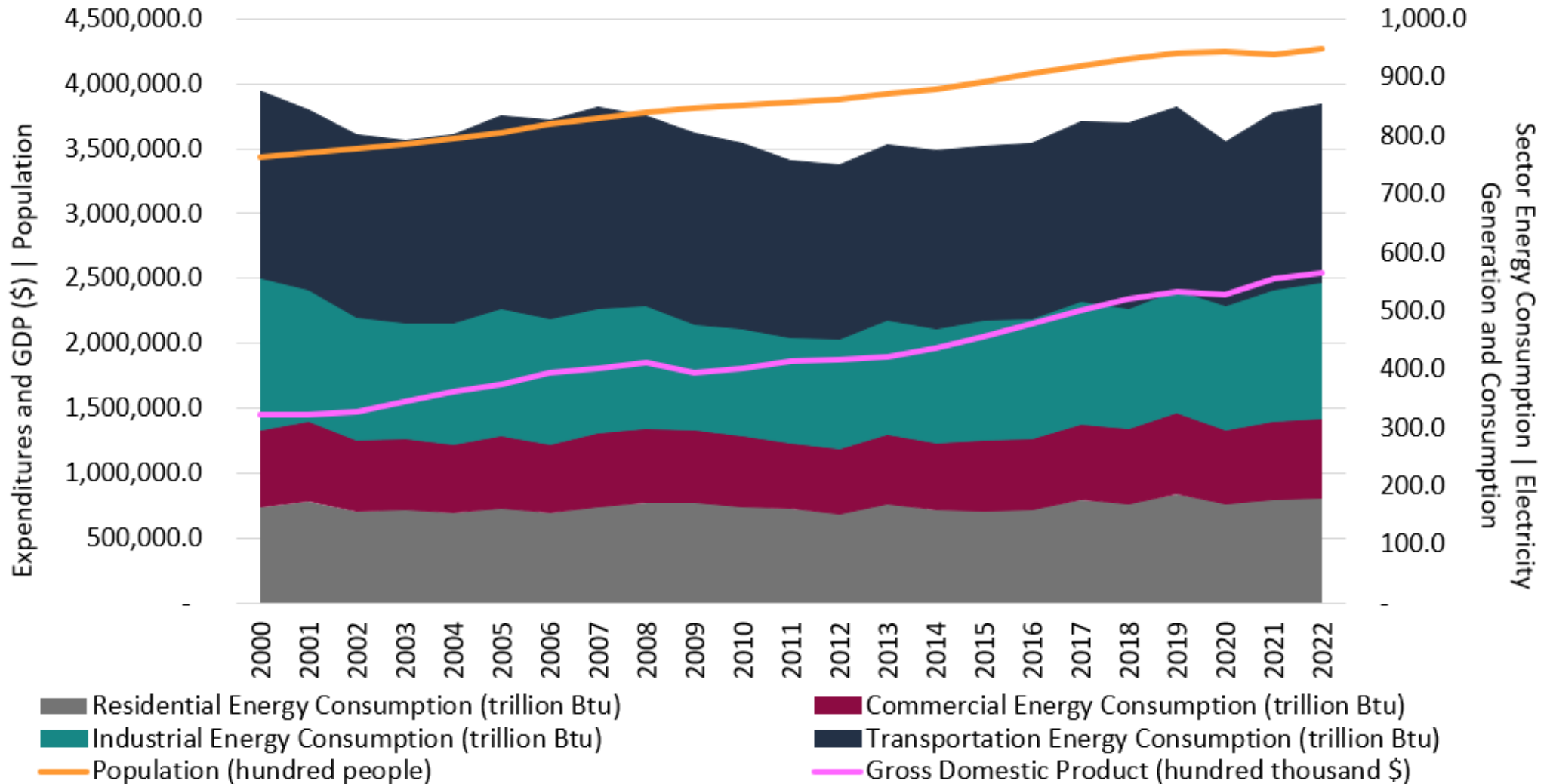
ENERGY DEMAND OVER TIME

Sector Consumption



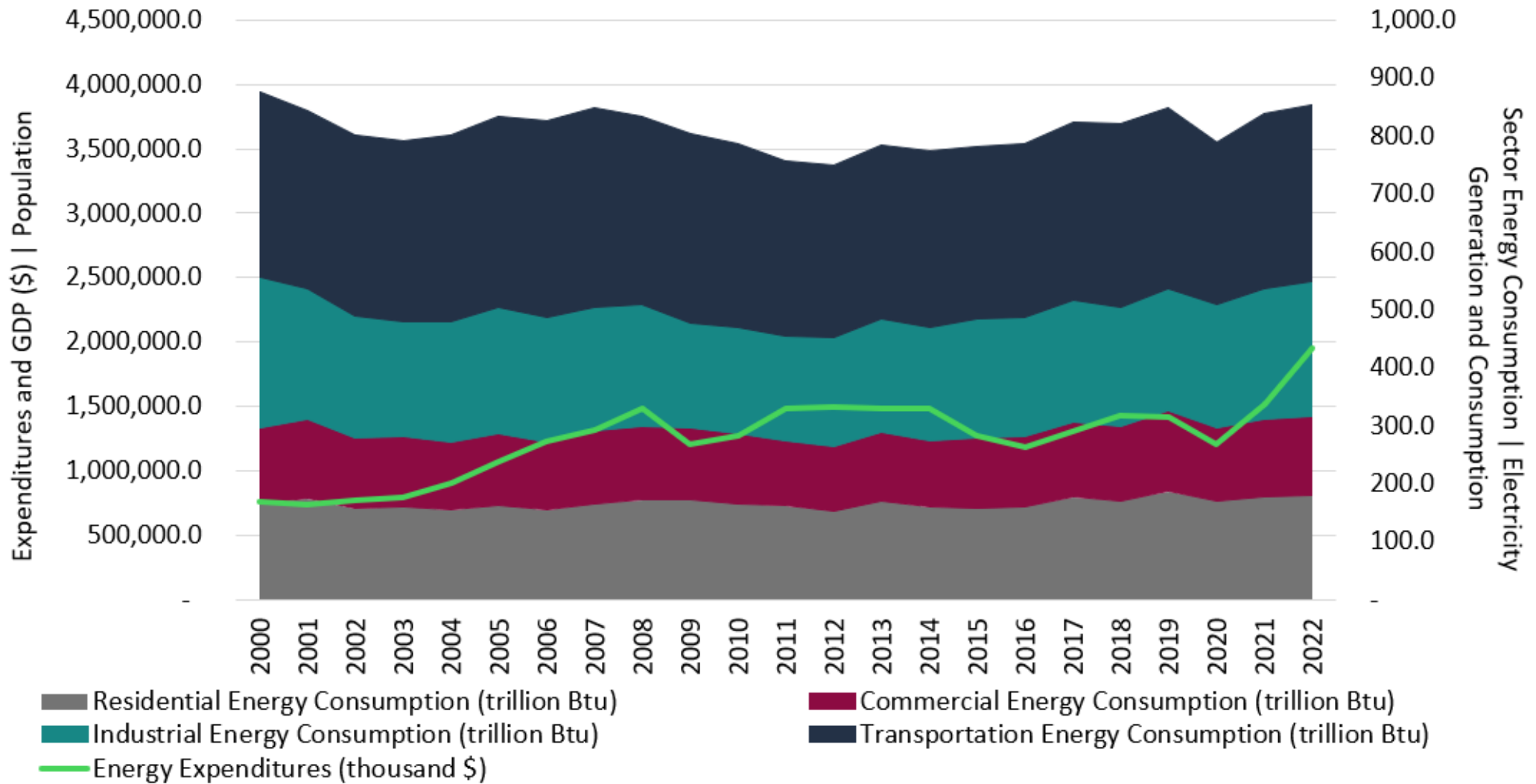
ENERGY DEMAND OVER TIME

Population & GDP



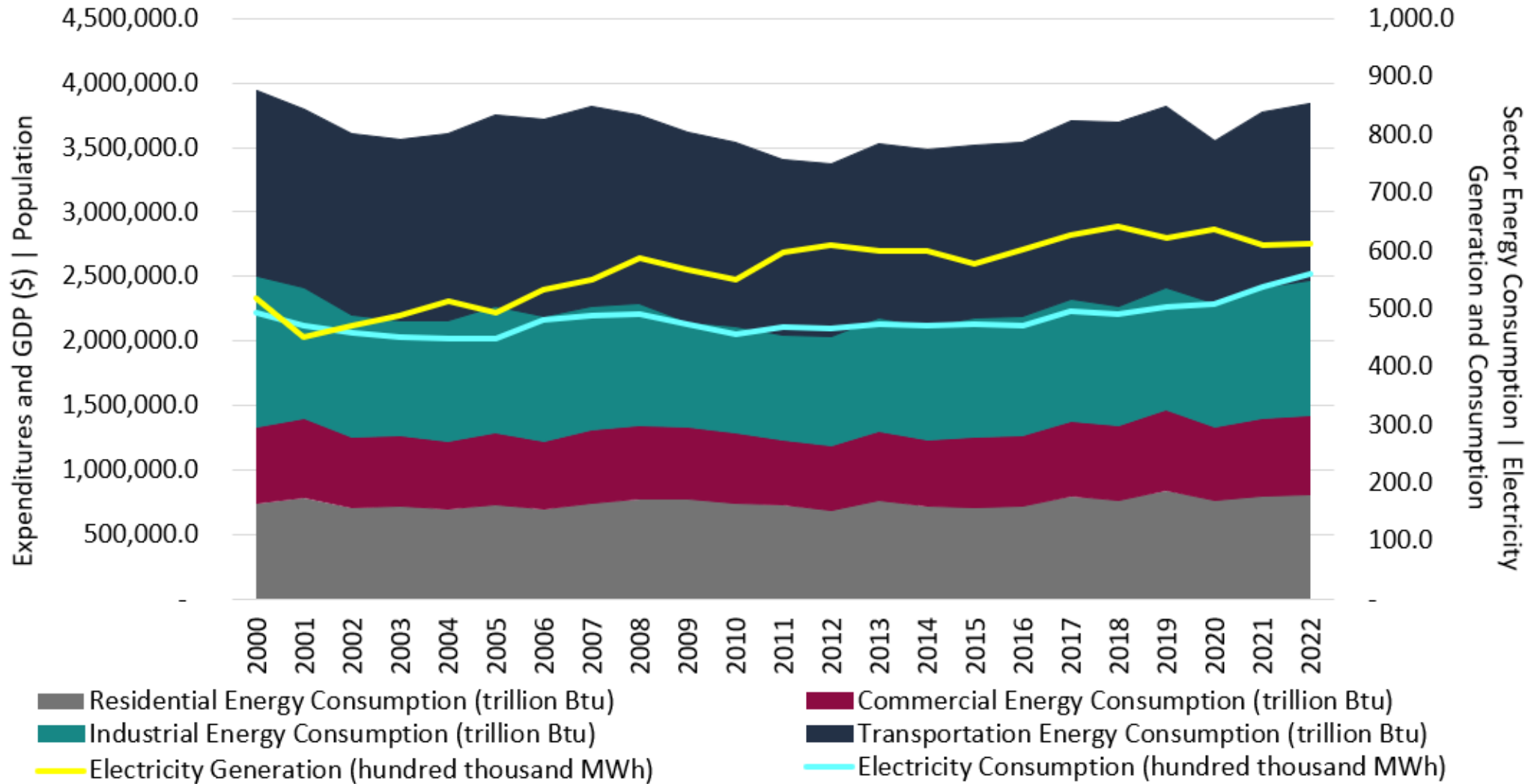
ENERGY DEMAND OVER TIME

Expenditures

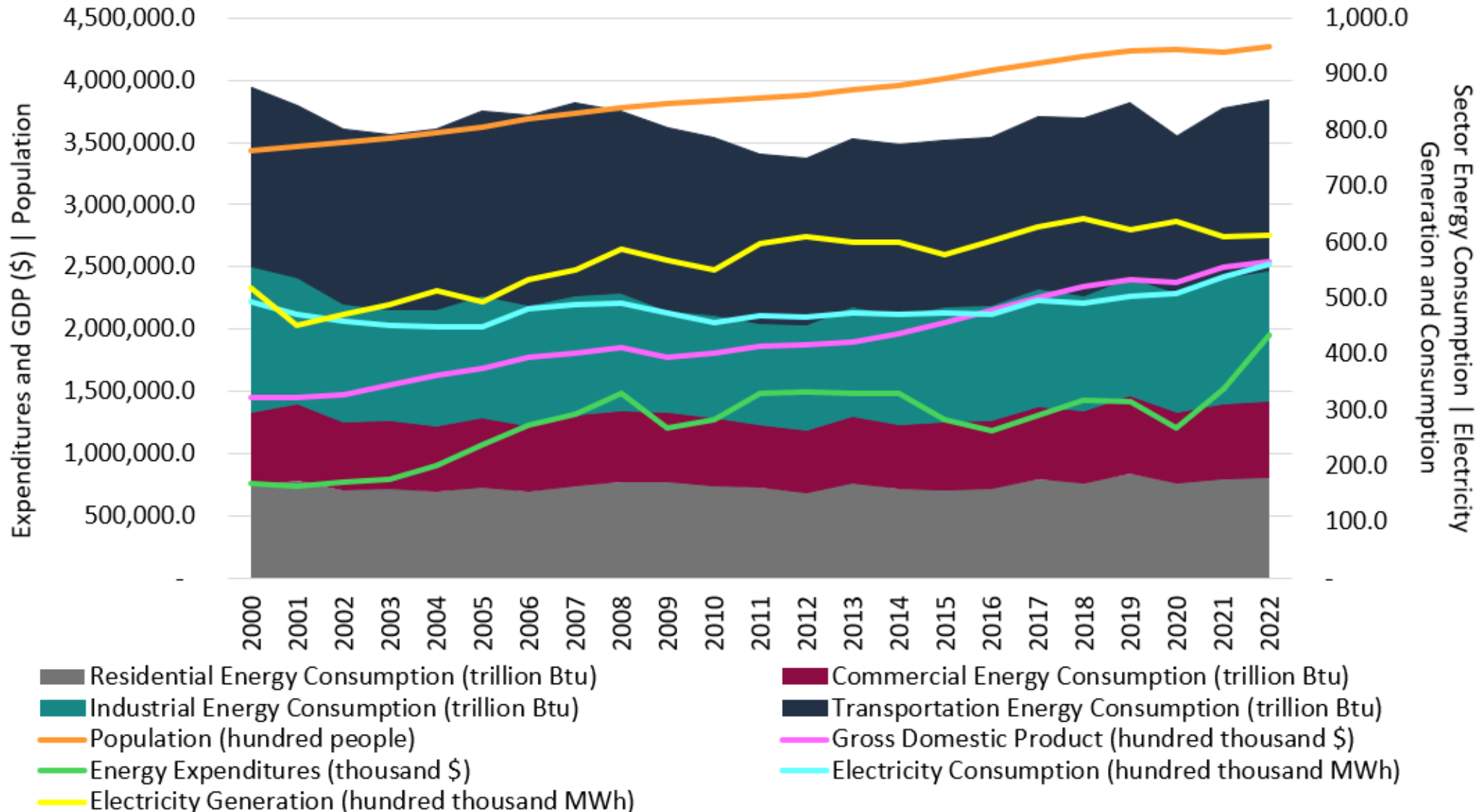


ENERGY DEMAND OVER TIME

Electricity Generation & Consumption



ENERGY DEMAND OVER TIME



WHY MORE DEMAND?

The regional forecasts point to a variety of factors that contribute to an increase in demand for electricity. Some of these factors are evident now; others are anticipated in the near future. These factors are not placed in any intentional order.

- Growth in the technology and manufacturing sectors
 - Data centers
 - Semiconductor manufacturing
- Increased use of heating and cooling as more extreme weather patterns emerge
- Anticipated regional population growth
- Electrification
 - Transportation

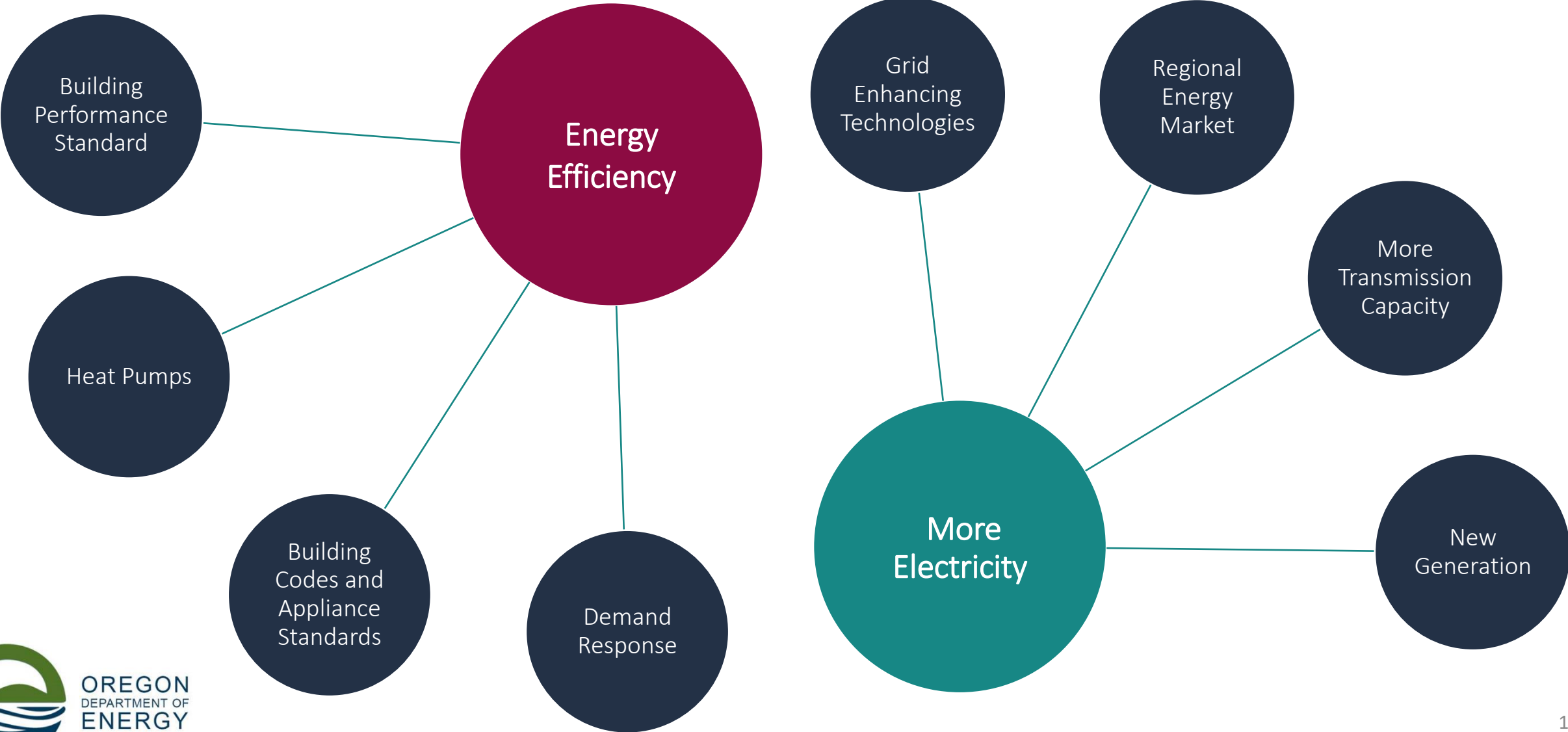
What does rising demand mean for Oregon?

- It's not bad news and these are all *forecasts*; it's a chance to plan and act so that we are prepared if the forecasts are correct
- We need to make better use of the existing grid and our current power supply
- We need more power generation and transmission

What are the risks of not preparing for these forecasted increases?

- Higher energy costs
- Decreased reliability
- Limited economic development opportunities

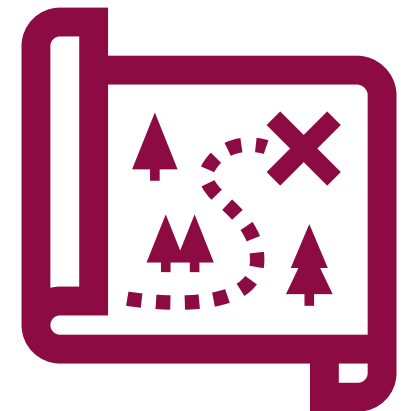
TOOLS TO ADDRESS INCREASING DEMAND



THE OREGON ENERGY STRATEGY

Assessment of pathways and tradeoffs to guide policymakers

- Economy-wide modeling to uncover strategies that can help manage and mitigate uncertainty
- Will incorporate higher data center growth scenario from Pacific Northwest Power and Conservation Council
- Considers the costs and benefits of different pathways to help shape a reliable, affordable, and equitable clean energy transition





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Questions?

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