

Oregon's Exploration into Buy Clean Policies

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Operations Divisions

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Transportation

Urban
Mobility

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Climate Office

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& Lab
Testing

Pavement
Services

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Assurance

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Services

What does the Construction Section do?



- Leads continuous improvement of overall construction program quality and statewide consistency.
- Responsible for statewide construction policies, procedures and processes.
- Provides construction expertise and training programs.

Why do we have a Climate Office?



- Transportation accounts for about 40% of greenhouse gas emissions in Oregon.
- GHG emissions will exacerbate climate change with increasing impacts on weather, people, plants, and animals.
- ODOT is committed to reducing GHG. We follow the Statewide Transportation Strategy (STS) for GHG reduction.

GHG Inventory: Operations, Materials & Fuels

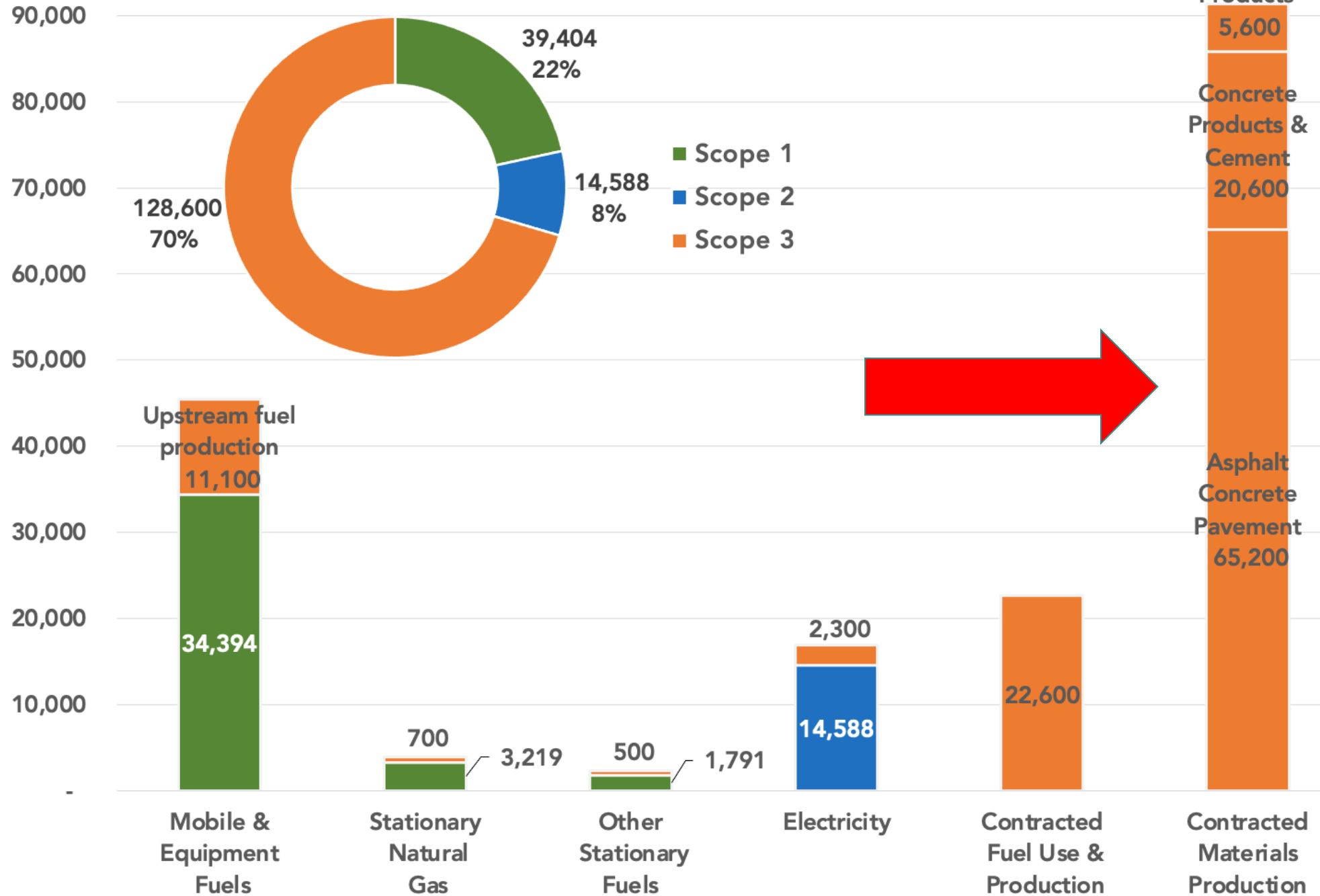
- Reduce GHG from construction and maintenance operations
 - Fuels (mobile and stationary)
 - Materials (asphalt and cement concretes)
- Strategic Action Plan:
 - Set climate change emission baseline
 - Phase in lower carbon materials, fuels & practices
 - Monitor and adjust



Oregon Department of Transportation
Operational Greenhouse Gas Reductions:
Best Practices & Recommendations



ODOT GHG Inventory, Annual Average (FY 2016-19)



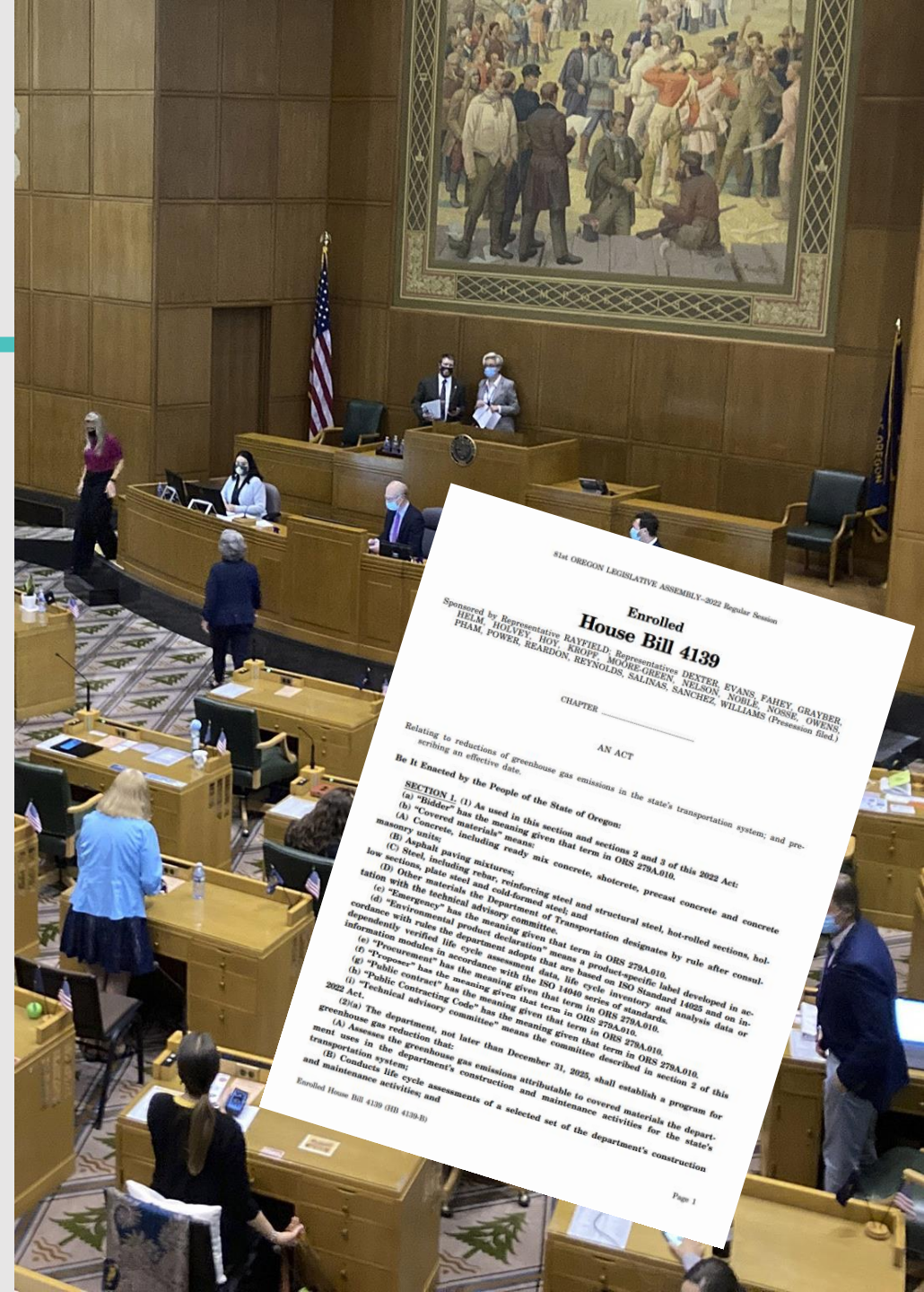
Recommendations... *over 40 total*

- Maximize use of SCMs
- Support contractor and materials industry transitions
- **Develop Environmental Product Declaration (EPD) program**



Oregon House Bill 4139 – “Buy Clean”

- Requires ODOT to set-up a “program for GHG reductions”
- The agency to collect EPDs, conduct LCAs on asphalt, concrete and steel
- ODOT to devise strategies for reducing GHG emissions
- Allows for regional variability and prioritization of quality / performance



HB 4139 Implementation

- Weekly team meetings
- Research and test low-carbon materials
- Hiring Sustainability Engineer
- Technical Advisory Committee



Recommendations for consideration:

- Facilitate training, LCA education
- Improve data, best practices for “use phase”
- Focus on EPDs for specific ingredients
- Stakeholder outreach



Thank you!

