

ODOT & Environmental Product Declarations

Fall 2023 National Concrete Consortium (NC²)
 Portland, OR
 September 13th, 2023
 Kevin Shearmire, PE
 ODOT Sustainability Engineer



Strategic Action Plan → GHG Inventory

- Strategic Action Plan:
 - Set climate change emission baseline
 - Phase in low-carbon materials, fuels & practices
 - Monitor and adjust

- Reduce GHG from construction and maintenance operations
 - Fuels
 - Materials

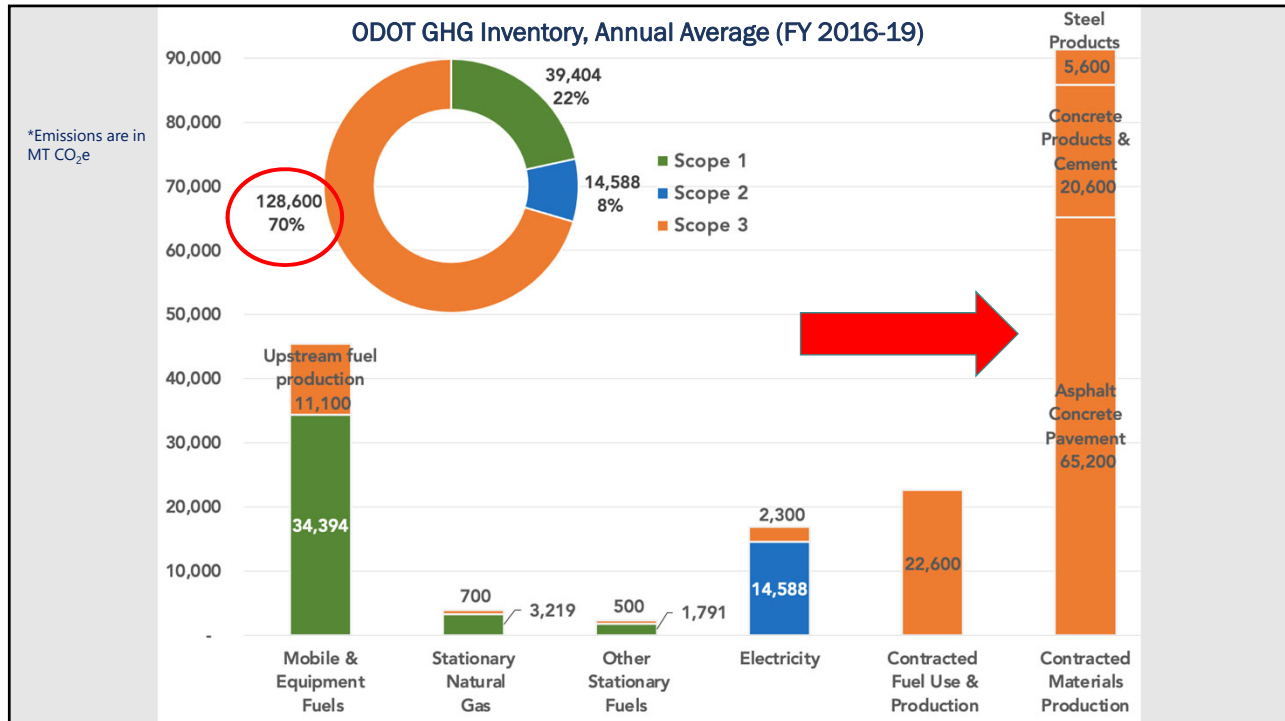


Oregon Department of Transportation
 Operational Greenhouse Gas Reductions:
 Best Practices & Recommendations

**STRATEGIC
 ACTION PLAN**

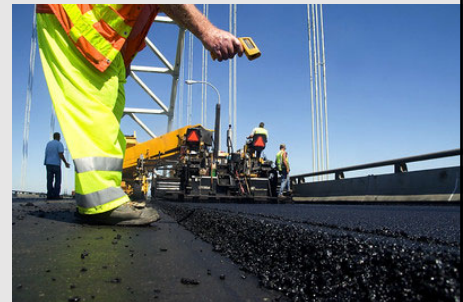
Presented by:
 Oregon Transportation Commission &
 The Oregon Department of Transportation

OCTOBER 2020



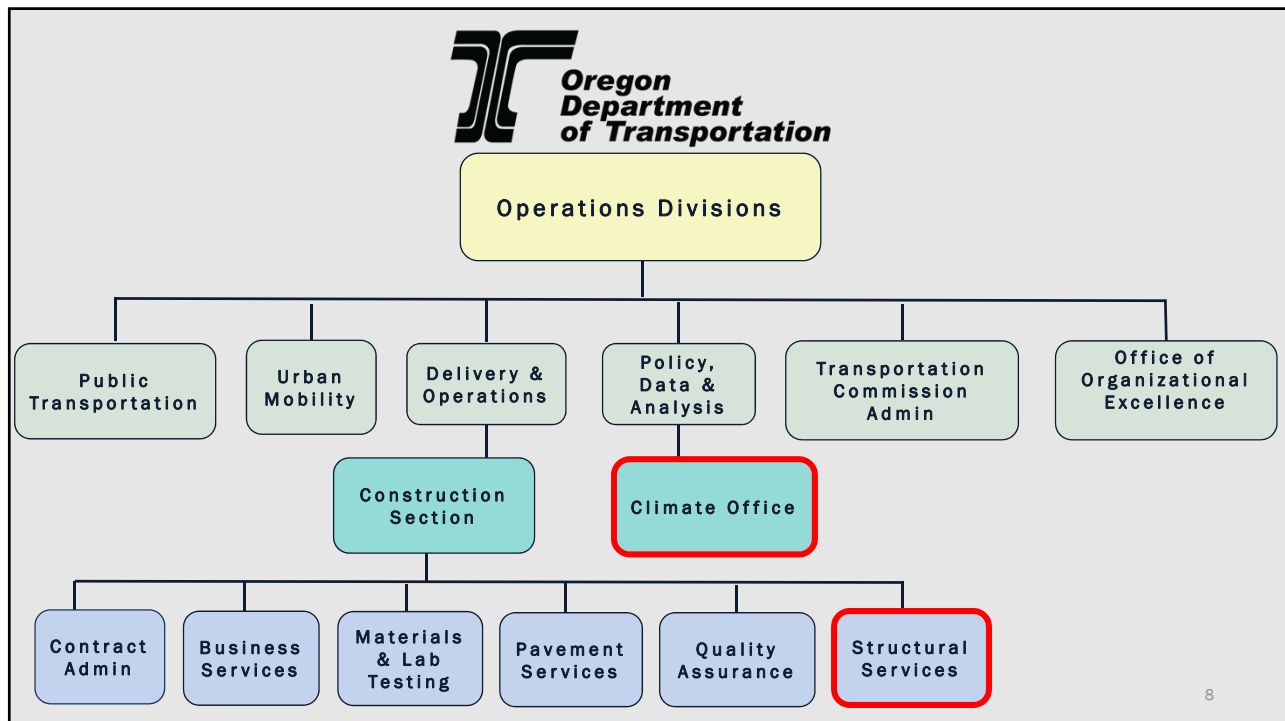
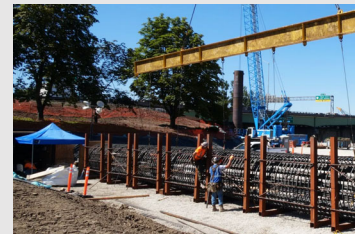
Recommendations... *over 40 total*

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



Identified Materials

- Concrete:
 - Ready Mix
 - Shotcrete
 - Precast Concrete
 - Concrete Masonry Units
- Asphalt Paving Mixtures
- Steel



Technical Advisory Committee

- Mandated to consist of ODOT, DEQ, Construction Industry and Construction Material Suppliers, Environmental Sector and Academics
- Assist ODOT with developing rules and procedures of the EPD Program
- Advise ODOT on report submitted to the OTC



Grant Program

- Required to establish grant program to help offset costs
- Criteria for eligibility to be developed by ODOT
- Request funding from legislature



Industry Opportunities

- Help give input to ODOT on EPD development or issues
- Participate in discussions with ODOT about program
- Participate in discussions that will inform EPD industry



Kevin Shearmire, PE

ODOT Sustainability Engineer

Kevin.J.Shearmire@odot.oregon.gov