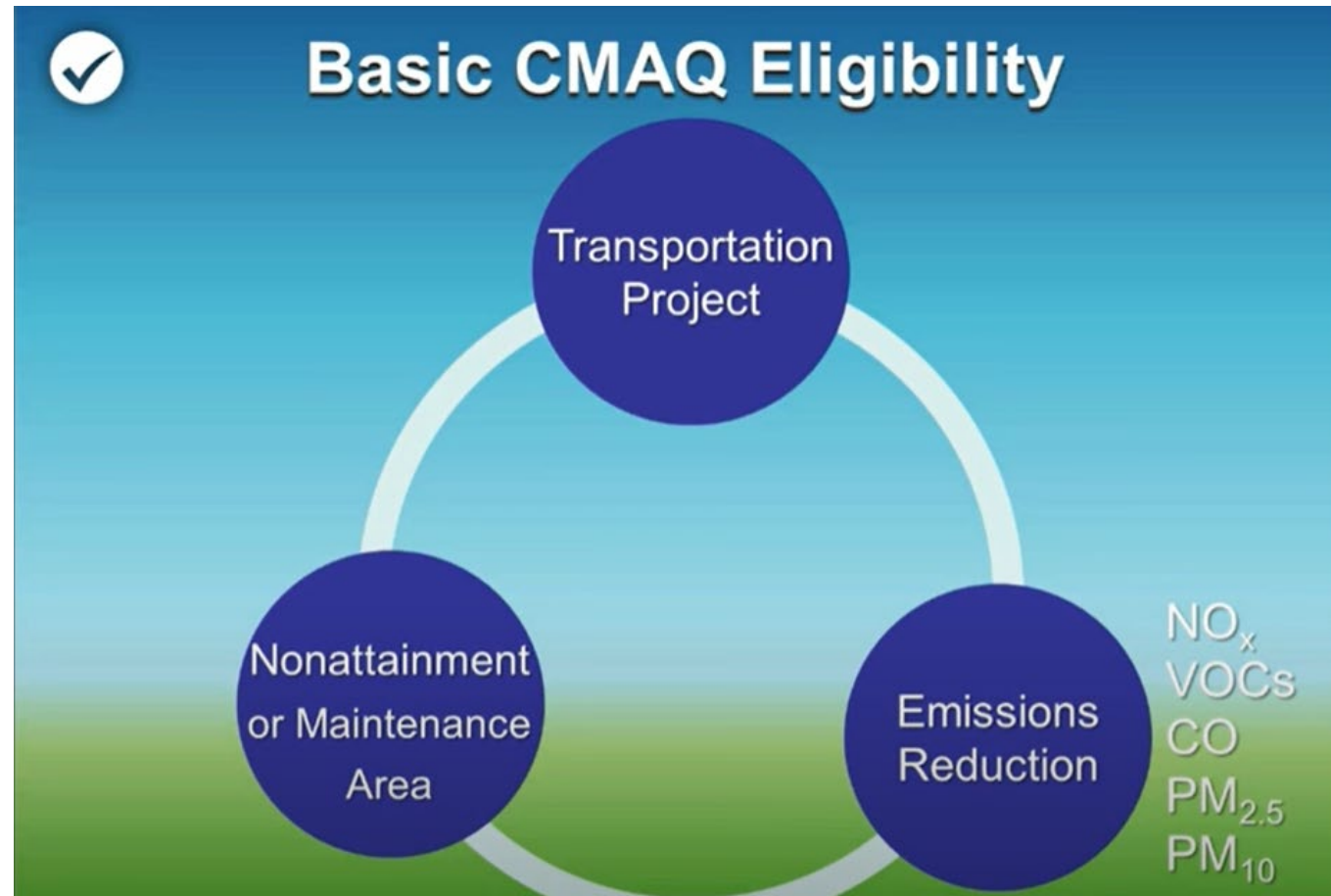


# Congestion Mitigation and Air Quality Request For Applications

Morgan Schafer  
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Environmental Quality

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Oregon Department of  
Transportation

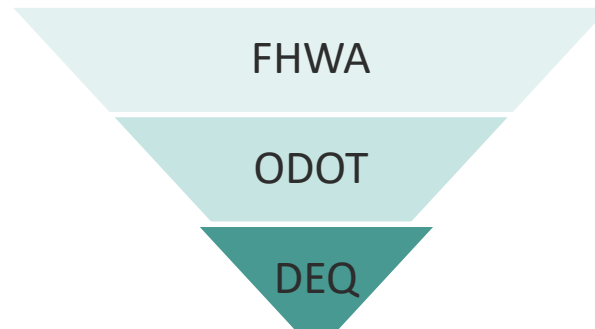
# Congestion Mitigation and Air Quality



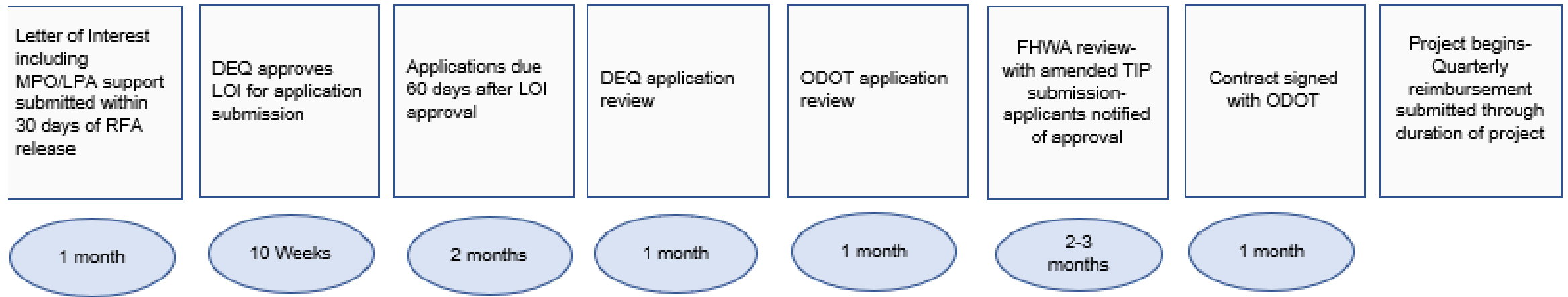
# DEQ-ODOT CMAQ Funds

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- DEQ allotted CMAQ funds for diesel mitigation
  - DEQ will award up to \$3.3 million over the 2021 – 2023 biennium.
- DEQ and ODOT will review applications for CMAQ and diesel reduction requirements
- Recipients will be contracted with ODOT
- Reporting and invoicing will be reviewed by DEQ and ODOT together



# Project Timeline



\*Slide has been updated to show extended LOI

# Step 1: Determine Eligibility for project

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- If applicable, contact MPO/ LPA that your project would occur
  - Review CMAQ guidance and DEQ requirements including Buy America
- >Submit Letter of Interest- If approval received, continue to Step 2**

# TIP Requirements

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<b>MPO</b>	<b>Rural / LPA</b>
<b>Portland Metro</b>	<b>Klamath Falls</b>
<b>Salem-Keizer</b>	<b>La Grande</b>
<b>Central Lane</b>	<b>Lakeview</b>
<b>Rogue Valley (Medford)</b>	<b>Oakridge</b>
<b>Middle Rogue (Grants Pass)</b>	

# FHWA CMAQ Requirements

1. CMAQ funds must be invested in a State's nonattainment or maintenance areas, on projects that reduce ozone (O<sub>3</sub>) precursors - volatile organic compounds (VOCs) and nitrogen oxides (NO<sub>x</sub>) - carbon monoxide (CO), or particulate matter (both PM<sub>10</sub> and PM<sub>2.5</sub>) and the applicable precursors from transportation sources.
2. All CMAQ projects must be included in a transportation plan and Transportation Improvement Program (TIP).
3. All projects must conform to state-established CMAQ guidance. For more information on the Oregon Department of Transportation (ODOT)'s CMAQ funds please check [here](#). For a more expansive list of diesel reduction project requirements, please check national guidance [here](#).
4. The local MPO, LPA or their collaborators must provide at least 20% project total cost match. CMAQ Guidance for Public-Private Partnerships can be found [here](#), and an example MOU used by another state can be found [here](#).
5. The CMAQ program operates on a reimbursement basis, so funds are not provided until work is completed and paid for.
6. The FHWA's Buy America policies require a domestic manufacturing process for all steel or iron products that are permanently incorporated in a Federal-aid highway construction project; therefore, each project must be ['Buy America' compliant](#).
7. Comply with all other applicable requirements of the Clean Air Act.
8. Be consistent with the specific location's long-range transportation plan and included in the MTIP (Metropolitan Transportation Improvement Program) for MPOs or STIP (Statewide Transportation Improvement Program) for rural recipients.

# DEQ's CMAQ eligible activities

- On road: Purchase of diesel replacements, or medium-duty or heavy-duty zero emission vehicles (ZEV) and related charging equipment
- Nonroad: ZEV vehicle and infrastructure that would reduce emissions from nonroad vehicles and nonroad engines used in construction projects or port-related freight operations
- Other ZEV projects such as vehicle acquisitions, engine conversions, and refueling or charging facilities
- Innovative Projects that reduce diesel emissions not listed above
- NOTE: Zero emission vehicle purchase scrappage - There is no scrappage requirement relative to alternative fuel or ZEV purchases- but is strongly encouraged and will impact cost effective calculations. As a reminder, the scrappage requirement does apply to Diesel Engine/Vehicle Replacement projects.



# Letter of Interest

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- ✓ Identify the municipality or organization applying for funding;
- ✓ Identify the project contact person, phone & email;
- ✓ Provide a brief description of the potential project;
- ✓ For Infrastructure projects - Give detailed information such as State Route number or local street name to identify the location of project, approximate project limits and an approximate timeline to project completion.
- ✓ Identify attainment area of impact from project and letter of support from MPO/ LPA
- ✓ Provide information regarding which of the eligible CMAQ activities apply to project;
- ✓ Estimate the total amount of funding necessary for the project, as well as intended match percentage.  
All project applications require a minimum 20% match, but larger matches are allowed.

# Step 2: Application

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- *If approval received from LOI, continue to Step 2*
  - Fill in Application
  - Use [CMAQ Emissions Calculator Toolkit website](#) for cost effectiveness calculations
- >Submit Application**

# Application overview

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- *Project summary and approach*
  - Application includes a detailed project description, including information on vehicles and emission reduction technologies, roles and responsibilities and timeline.
  - Application includes a well-conceived strategy for achieving emission reduction associated with the project.
  - Application sets forth a reasonable time schedule for the execution of the tasks associated with the project and for achieving the project goals and objectives by project end.
  - Application describes how the 20% match will be met.
- *Project eligibility and type*
  - Project reduces diesel emissions through eligible CMAQ activities as outlined in the RFA section 1.2.
  - Project is eligible to produce credits in the Clean Fuels Program or promotes adoption of alternative fuels (Appendix D).
- *Project location*
  - Project will reduce emissions in a location with elevated diesel emissions and benefit dense, disproportionately impacted communities as indicated through the Diesel Emissions Mitigation [maps](#).

## INSTRUCTIONS

*Review DEQ's RFA for CMAQ Guidelines for allowable project types and eligibility (ODOT allows fewer project types than FHWA). Fill out pages 1 through 3 and then submit to ODEQ.*

## PROJECT INFORMATION

<b>Project Title:</b> _____	<b>STIP #:</b> _____
<b>Agency (applicant):</b> _____	<b>Public-Private Partnership?</b> Yes or No
<b>Address:</b> _____	<b>Primary Contact:</b> _____
<b>Email:</b> _____	<b>Telephone:</b> _____
<b>Responsible Agency:</b> _____	<b>MPO (if applicable):</b> _____
<b>Project Delivery:</b>	<input type="checkbox"/> Certified Agency <input type="checkbox"/> SFLP (non MPO) <input type="checkbox"/> ODOT Delivered

## PROJECT CATEGORY

*Applicant Certifies by checking circle that Project meets requirements as outlined in DEQ CMAQ Guidelines.*

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li><input type="checkbox"/> Diesel engine retrofits and other advanced truck technologies</li> <li><input type="checkbox"/> Idle reduction</li> <li><input type="checkbox"/> Inspection and maintenance programs</li> </ul> | <ul style="list-style-type: none"> <li><input type="checkbox"/> Alternative fuels and vehicles</li> <li><input type="checkbox"/> Vehicle and Fuel Efficiency Efforts</li> <li><input type="checkbox"/> Innovative project</li> </ul> |
|---|--|

## PROJECT LOCATION

<b>Street(s) Name (or Nearest Street):</b> _____	
<b>Cross Streets, Termini:</b> _____	<b>Functional Class:</b> _____
<b>Project Location (City):</b> _____	<b>Total Linear Feet:</b> _____

## DETAILED COST ESTIMATE / SCHEDULE

*Provide cost, including match, for eligible components. Use additional sheets for detailed estimate.*

Phase	Program FYs <i>(beginning &amp; completion)</i>	Other Federal	CMAQ	Local	Non-Fed	Total
Project Development						\$ 0.00
Design/Engineering						\$ 0.00
Right of Way						\$ 0.00
Construction						\$ 0.00

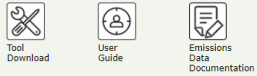
# Funding and cost effectiveness

- CMAQ award recipients must provide 20% match of total project cost using non-federal dollars.
- Applicants should include all reported or estimated project costs funded by federal dollars in calculations of cost-effectiveness measures. Cost-effectiveness calculations are based on total federally funded project cost rather than only the CMAQ-funded share of the project. This method of calculating cost-effectiveness allows consistent proposal review across different project scenarios. Ultimately, cost-effectiveness estimates should reflect how effectively a given project type achieves reductions in pollutant emissions; representing only the share of CMAQ funds associated with individual project examples would result in estimates that may inappropriately attribute all pollutant reductions to CMAQ funds while ignoring pollutant reductions attributable to other funding sources.
- To learn more about project type and cost effectiveness FHWA has created [reference tables](#). Results from this tool must be included in the application to DEQ for CMAQ funding.

# CMAQ Emissions Calculator Toolkit

For help using this tool or to provide feedback, please email: [CMAQ\\_Toolkit\\_Help@dot.gov](mailto:CMAQ_Toolkit_Help@dot.gov)

**Links**



**Alternative Fuel Vehicles and Infrastructure**

**Introduction**

Replacing convention fuels with alternative fuel types reduces transit emissions. This tool calculates emissions reductions from purchasing vehicles to replace a convention fuel fleet or developing new alternative fuel infrastructure with restricted or unrestricted access.

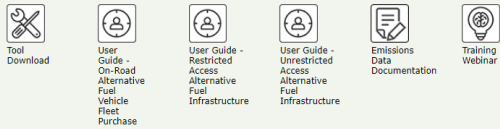
**Original Release:** May 2018

**Latest Update:** October 2019

**Help Line**

For help using this tool or to provide feedback, please email: [CMAQ\\_Toolkit\\_Help@dot.gov](mailto:CMAQ_Toolkit_Help@dot.gov)

**Links**



**Bicycle and Pedestrian Improvements**

**Introduction**

Bicycle and pedestrian infrastructure projects improve the quantity and quality of non-motorized trip

**On-Road Alternative Fuel Vehicle Purchase**

This calculator will estimate the reduction in emissions when purchasing alternative fuel vehicles to replace a conventional fuel vehicle fleet. It does not consider lifecycle emissions, particularly any emissions outside of vehicle operations. Alternative fuel transit buses are included in a separate tool.

**INPUT**

(1) What is your project evaluation year?

(2) Please input the total annual activity and population expected for your new alternative fuel vehicle fleet  
 Note: You must at least enter one value for fleet activity

Vehicle Miles Traveled (VMT)  
 Vehicle Population

(3) What type of vehicle(s) are you replacing?

(4) What is the model year of the vehicle(s) you are replacing?

(5) Which conventional fuel are you replacing?

(6) What is the model year of the alternative fuel vehicle(s) to be purchased?

(7) What alternative fuel will your new vehicle(s) use?

**OUTPUT**

**FLEET PERFORMANCE**



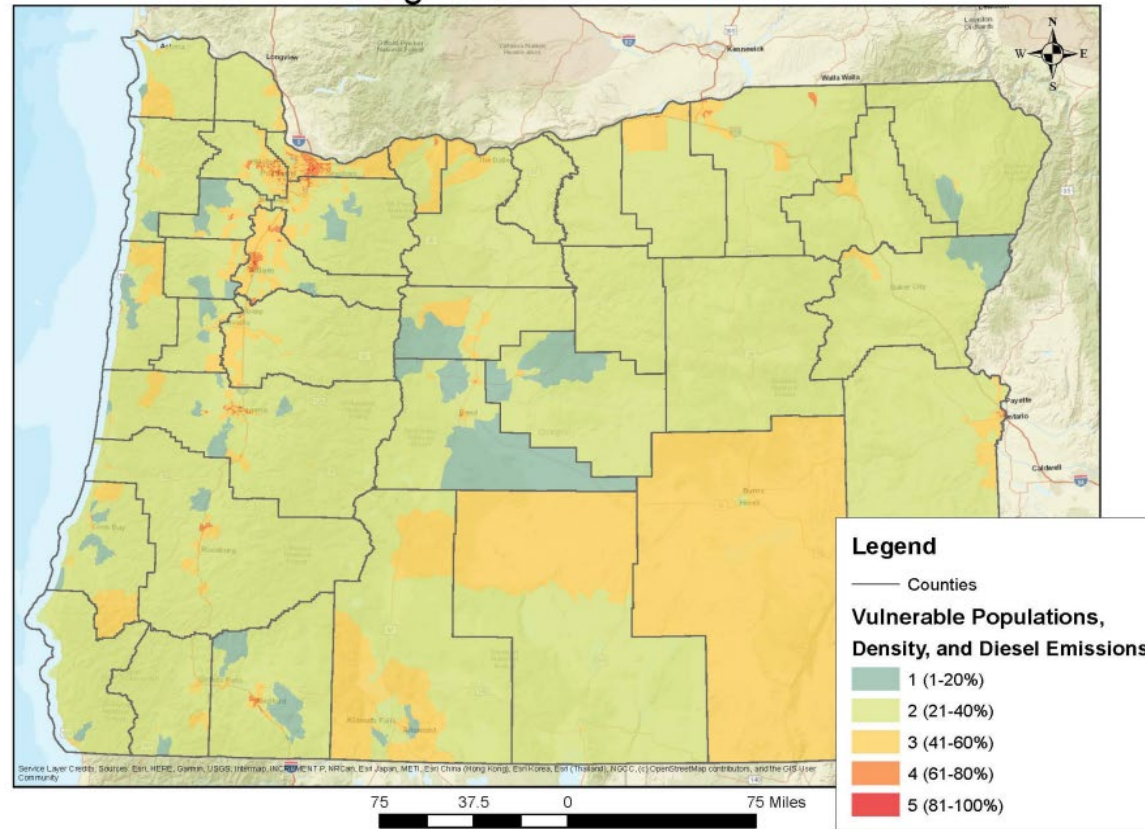
# Scoring Criteria

## Scoring criteria

<b>Project award criteria</b>	<b>Points available</b>	<b>Points awarded</b>
DEQ will apply the following criteria to all timely and complete applications received for eligible CMAQ diesel emission mitigation projects in Oregon.		
<b>Project summary and approach</b>		
<p><b>(7 points)</b> Application includes a detailed project description, including information on vehicles and technologies, roles and responsibilities and timeline.</p> <p><b>(6 points)</b> Application includes a well-conceived strategy for achieving the anticipated results associated with the project.</p> <p><b>(4 points)</b> Application sets forth a reasonable time schedule for the execution of the tasks associated with the project and for achieving the project goals and objectives by project end.</p> <p><b>(3 points)</b> Application describes how the 20% match will be met.</p>	20	
<b>Project eligibility and type</b>		
<p><b>(5 points)</b> Project reduces diesel emissions through eligible CMAQ activities as outlined in the RFA section 1.2</p> <p><b>(5 points)</b> Project is eligible to produce credits in the Clean Fuels Program or promotes adoption of ZEV (Appendix D).</p>	10	
<b>Project location</b>		
<p><b>(5 Points)</b> Project will reduce emissions in a location with elevated diesel emissions and benefit overburdened populations as determined by DEQ's evaluation. (More details can be found in the next section, <i>Evaluating Applications</i>).</p>	5	
<b>Total points</b>	<b>35</b>	

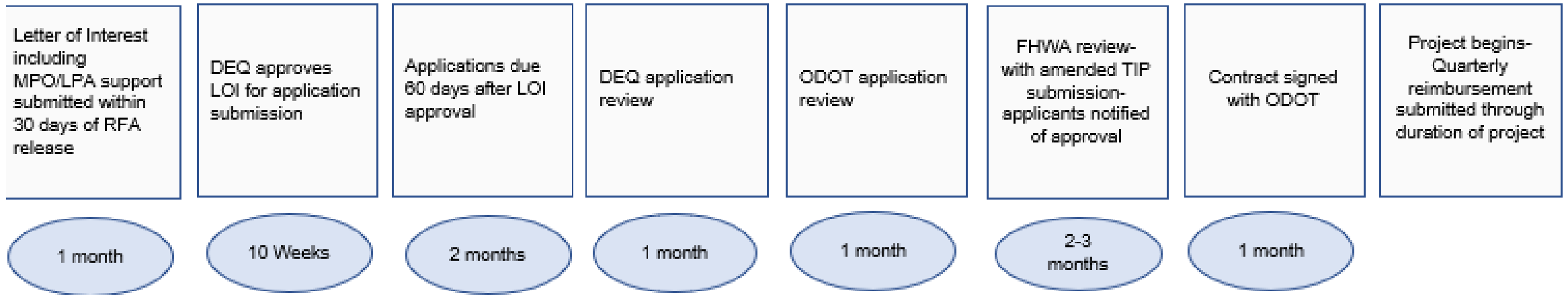
# Vulnerable Populations and Diesel Emissions

Oregon DEQ Vulnerable Populations and Diesel Emissions  
Mitigation Grant Criterion





# Project Timeline





## Contacts

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Questions?

