

**2017-2020**  
**CONGESTION MITIGATION AIR QUALITY PROGRAM (CMAQ)**  
**QUANTITATIVE SCORING CRITERIA AND**  
**SUMMARY SHEET**

<b>Lead Agency</b>	
<b>Project Name</b>	

**SECTION I GENERAL QUALIFYING CRITERIA CHECKLIST**

<input type="checkbox"/> Yes	<input type="checkbox"/> No	Has the project submitted results of emissions reduction modeling, or the results of emission reduction projections?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	Are the project's air pollution reductions directly benefitting the PM <sub>10</sub> maintenance area? <b>(10 potential bonus points)</b>
<input type="checkbox"/> Yes	<input type="checkbox"/> No	Is the project consistent with Yakima Valley MPO/RTPO Transportation Plan and local land use plans?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	Does this project relate directly to congestion relief programs or measures?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	Does this project significantly reduce transportation-related emissions?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	Has the project secured a local match or partnership funds?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	Is the project ready to proceed?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	If a program, does it have a timeline for implementation and a cost estimate?

**SECTION II TECHNICAL CRITERIA SCORING**

The scores in the section are weighted to reflect their effectiveness in producing air quality improvements for the region. Each project submitted for funding has been evaluated relative to its effectiveness in producing reduced PM<sub>10</sub> emissions. If modeling is required as a part of the evaluation of this project, the model run must be submitted as part of the application packet.

Projects showing an air pollution reduction other than PM<sub>10</sub> may submit a 2017-2020 application according to consensus between YVCOG and WSDOT as of October 4, 2012. If new FHWA or FTA guidance restricts air pollution reductions in the PM<sub>10</sub> maintenance area to PM<sub>10</sub> reduction exclusively, the prioritization or awarding of projects may change. Exclusive consideration of PM<sub>10</sub> reductions by FHWA or FTA will result in YVCOG removing from the selection process those projects primarily showing PM<sub>2.5</sub>, CO, VOC, NO<sub>x</sub>, SO<sub>x</sub>, or NH<sub>3</sub> reductions in their evaluations. If pollutant reduced is other than PM<sub>10</sub> explicitly identify which and explain why specific pollutants are to be evaluated.

Please refer to the scoring notes section beginning on page 2 of this document.

**NOTE: Threshold value for PM<sub>10</sub> is 927 tons –**

**High:** This project has the potential to produce long-term benefits for many users, involves multiple modes, and produces system-wide improvements in air quality by reducing PM<sub>10</sub> emissions of **10% or greater over threshold.**

**Medium:** This project has the potential to produce long-term benefits for many users, involves multiple modes, and produces system-wide improvements in air quality by reducing PM<sub>10</sub> emissions of **5-9% over threshold.**

**Low:** This project produces short-term benefits for few users, involves one or no transportation modes, and will be a spot improvement rather than a system-wide improvement, and reduces PM<sub>10</sub> emissions by **0-4% over threshold.**

<i><b>CRITERIA</b></i>	<i><b>HIGH</b></i> <i><b>(5 points)</b></i>	<i><b>MEDIUM</b></i> <i><b>(3 points)</b></i>	<i><b>LOW</b></i> <i><b>(1 point)</b></i>	<i><b>TOTAL</b></i>
Air Quality (x8)				
Congestion Relief (x4)				
Multi Modal Solutions (x2)				
Cost Effectiveness (x3 each criteria)	PM <sub>10</sub>	PM <sub>10</sub>	PM <sub>10</sub>	PM <sub>10</sub>
	VMT	VMT	VMT	VMT
Financial Implementation (x2)				

***TOTAL POINTS (All Categories)*** \_\_\_\_\_

### **SECTION III TECHNICAL CRITERIA: SCORING GUIDANCE**

#### ***Air Quality: Percent Reduction Estimate in PM<sub>10</sub> Pollutants***

The criteria are:

1. Pollution reduction in percentage over current levels of PM<sub>10</sub> quantitative measure by modeling (Note: It is the applicant's responsibility to contract for the modeling.)
2. Program or projects that are classed as categorically exempt from conformity modeling are automatically awarded high points.

Percentage equates to raw point score (before weighting).

<b>High</b> 10% +	<b>Medium</b> 5-9% +	<b>Low</b> 1-4% +
----------------------	-------------------------	----------------------

***Air Quality (optional): Percent Reduction Estimate in Other Than PM<sub>10</sub> Pollutant***

The criteria are:

1. Program or projects that are classed as categorically exempt from conformity modeling are automatically awarded high points.
2. For each pollutant, the project will be ranked from greatest reduction to least reduction since there are no established reduction thresholds for Other than PM<sub>10</sub>. (Note: It is the applicant’s responsibility to contract for the modeling.)

***Congestion Relief: Percent Reduction in VMT and/or Vehicle Trips***

The criteria are:

1. VMT reductions, vehicle trip reductions, quantitative measures by modeling.
2. Project addresses a corridor or corridors that experiences moderate, serious, or severe a.m. and or p.m. peak hour congestion (LOS of D, E, or F).
3. Quantitative measure of improvement in level of service over complete corridor or area served by project.

Percentage equates to raw point score.

<b>High</b> 5% +	<b>Medium</b> 3-4% +	<b>Low</b> 0-2% +
---------------------	-------------------------	----------------------

***Multi-Modal: Percent Reduction in Single Occupancy Vehicle (SOV) Travel***

The criteria are:

1. Reduction in average daily vehicle trips, quantitative measure by modeling.
2. Benefits two or more modes of travel.

Percentage equates to raw point score.

<b>High</b> 2% +	<b>Medium</b> 0.5-1.9%	<b>Low</b> 0-0.4%
---------------------	---------------------------	----------------------

***Cost Effectiveness: Cost Ratio for Tons of Emissions/\$ or VMT Reduced/\$***

The criteria are:

1. Is the program/project cost effective for PM<sub>10</sub> reduction.
2. Is the program/project cost effective for VMT reduction.

Points awarded according to how well the project addresses both criteria.

<b>Cost Effectiveness</b>	<b>High</b>	<b>Medium</b>	<b>Low</b>
VMT	Above 0.40	0.04 - 0.39	0 - .039
PM <sub>10</sub>	Above 2.1x10 <sup>-6</sup>	2.1x10 <sup>-8</sup> - 2x10 <sup>-6</sup>	0 - 2x10 <sup>-8</sup>

***Financial Implementation Scoring: Ability to Begin Project***

The criteria are:

1. Extent to which project is ready to obligate funding immediately upon funds becoming available.
2. All needed documentation and certification has been completed to begin project (i.e. environmental documentation completed, right of way (RW) acquired).
3. Matching funds are secured and accessible when needed for the project.

Points awarded according to how well project addresses all three criteria

<b>High</b> 7-9 points	<b>Medium</b> 4-6 points	<b>Low</b> 1-3 points
---------------------------	-----------------------------	--------------------------