DGLVR Webinar

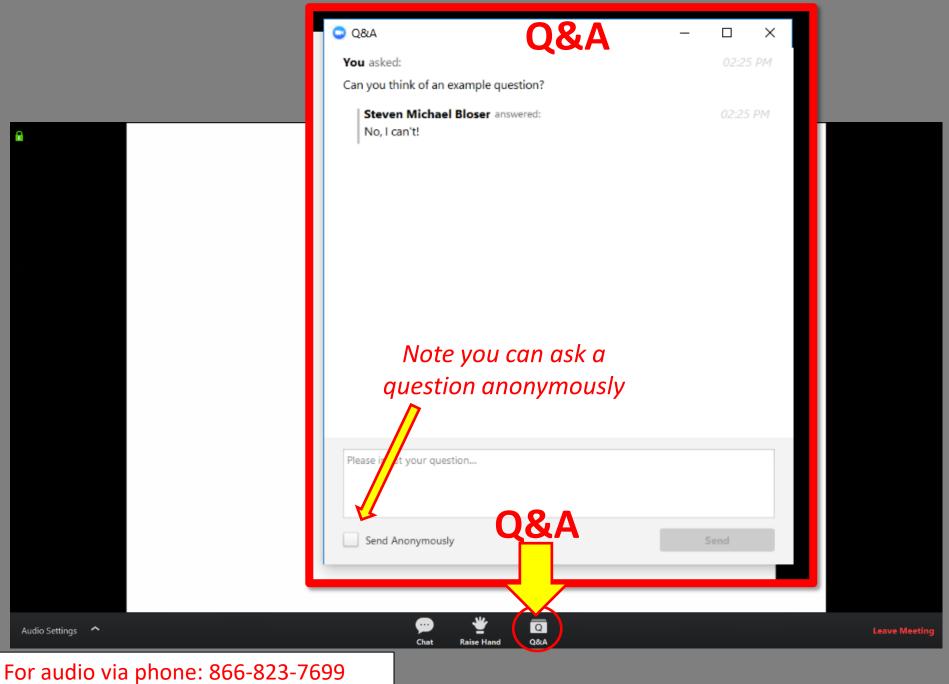
DGLVR Conservation District Allocations



If you are reading this, then you are successfully seeing the webinar video. Webinar audio should be automatic through your computer, and options can be accessed in the "audio options" button on the bottom left. If you are having audio issues, or are in a location where listening via phone is preferable, audio is also available on the CDGRS conference line at: 866-823-7699.

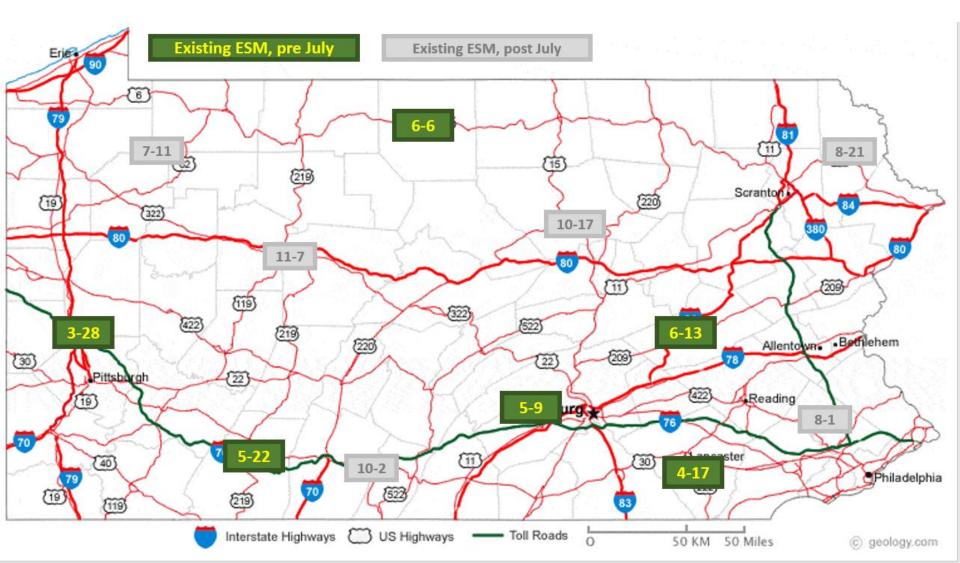
For technical assistance, call: 814-865-5355



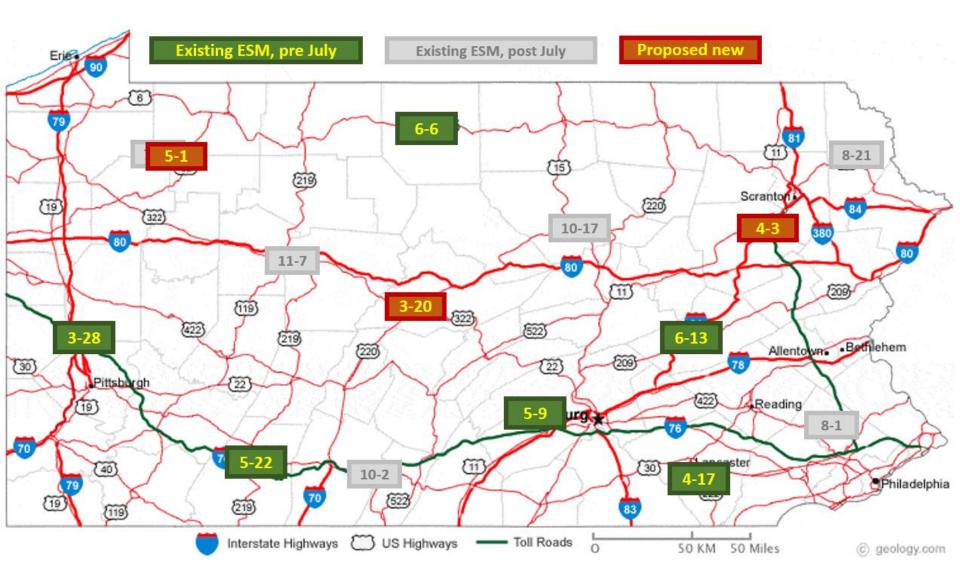


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Note Added and Moved ESM Trainings:

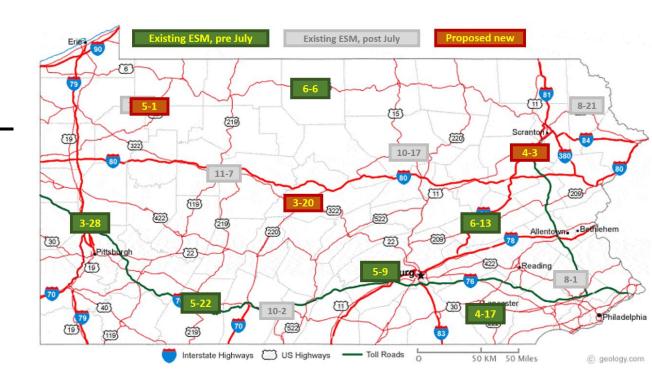


Note Added and Moved ESM Trainings:



ESM Trainings: 3/28-29: Butler 4/3-4: Centre 4/10-11: Venango 4/17-18: Lancaster 5/1-2: Luzerne 5/9-10: Cumberland 5/22-23: Somerset 6/6-7: Potter 6/13-14: Schuylkill 7/11-12: Venango 8/1-2: Montgomery 8/21-22: Wayne 10/2-3: Bedford 10/17-18: Lycoming 11/7-8: Clearfield

Schedule is updated and registration is open for all courses at <u>www.dirtandgravelroads.org</u>



Purpose:

- Provide overview of how allocation formulas work
- Update on Changes for FY 2018-19 allocations
- Overview of impacts of those changes

Conservation District Allocations:

Formula Driven Allocation Since 1997

- 1997: protected watersheds and TU sites only
- **2000:** Statewide Assessments done. New formula developed (similar to current one)
- **2011-14:** Significant changes made to formula weighting: phased in over 3 years
- 2014: Funding increase: Developed LVR formula,
 DnG formula kept the same, to be "re-evaluated"
 in three years

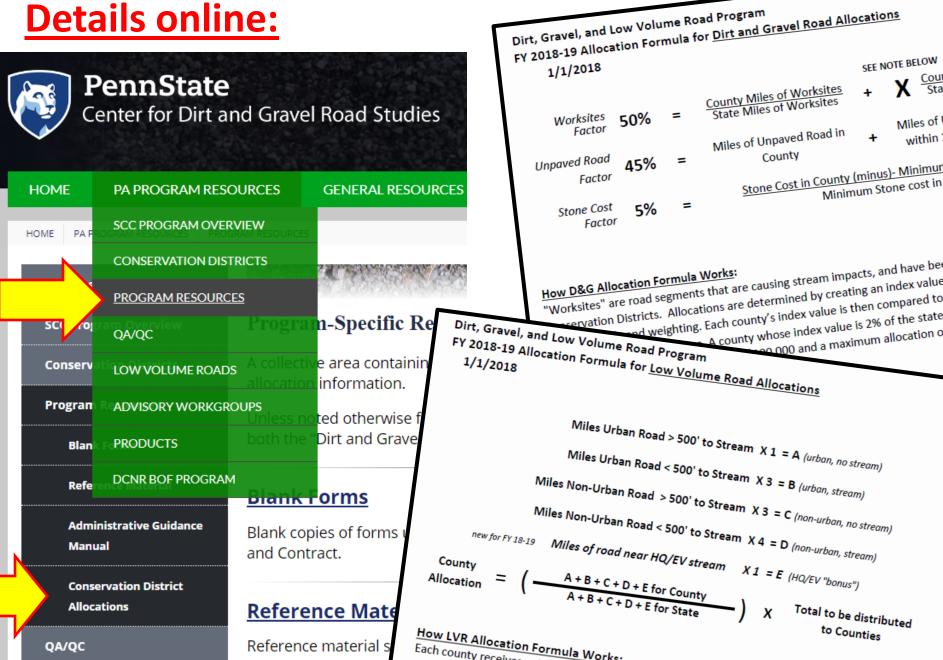
Conservation District Allocations:

Formula Driven Allocation Since 1997

- Policy and Planning Advisory Workgroup
 - ~20 member, including ~12 from a variety of Conservation Districts
- Met several times in 2017-18, even forming allocation sub-committee.
- All formula changes are recommended
 <u>WITHOUT</u> ever seeing individual CD allocations.

DGLVRP Allocations

Details online:



Conservation District Allocations:

- Keeping the same Program funding split:
 - \$20 Million Dirt and Gravel
 - \$8 Million Paved Low Volume
- Keeping separation of DnG/LVR funds

DGLVRP Allocations

Dirt and Gravel

Dirt and Gravel Allocations:



DGLVR Law:

(C)Apportionment Criteria. The apportionment criteria shall:

- (1)Be based on verified need to correct pollution problems related to the road.
- (2)Consider the total miles of dirt and gravel roads maintained by local municipalities or state agencies that are open to the public during any period of the year.
- (3)Consider total miles of dirt and gravel roads within watersheds protected as of November 1996 as exceptional value or high quality waters of this Commonwealth.
 (4)Consider allowances for the local cost of limestone
 - aggregate.
- (5)Consider the commitments of grant applicants to comply with the non-pollution requirements established.

Existing Formula

50%	IDENTIFIED	=	# Worksites in County	╋	Miles Worksites in County
	WORKSITES		# Worksites in State		Miles Worksites in State

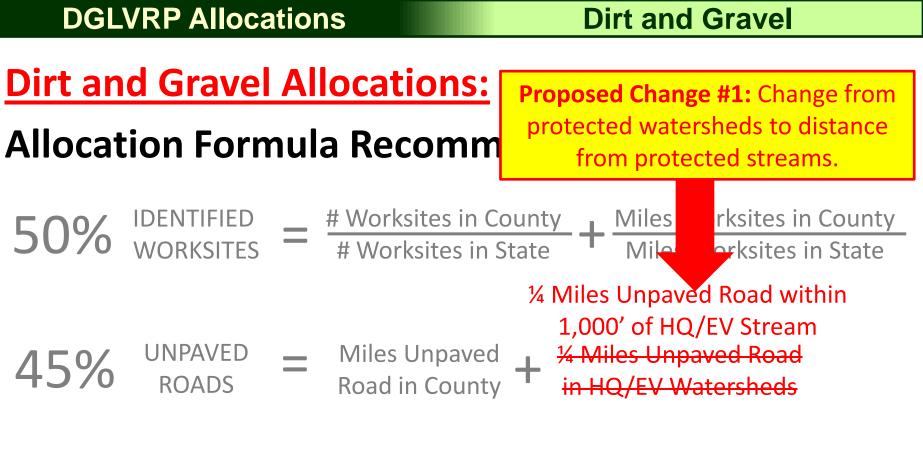
45% UNPAVED ROADS = Miles Unpaved + ¹/₄ Miles Unpaved Road in HQ/EV Watersheds

5% LIMESTONE COST = \$Stone County - Min \$Stone in State Min \$Stone in State

> \$100,000 minimum Allocation \$1,375,000 Maximum Allocation

Allocation Formula Recommendations:

- No Changes to min (\$100K) or max (\$1.375M)
- No Changes to data used
- Two changes proposed to allocation formula



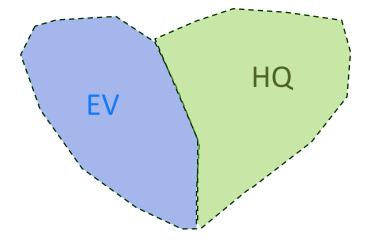
5% LIMESTONE = \$Stone County – Min \$Stone in State Min \$Stone in State

DGLVRP Allocations

Dirt and Gravel

Dirt and Gravel Allocations:

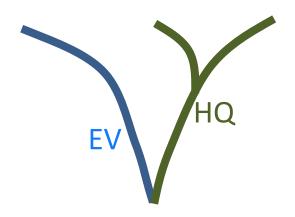
Watersheds (Polygon)



- Old HQ/EV Watershed Layer currently used
- Layer has not been updated in ~10 years
- No current plans to update
- Difficult to update (designations not complete watersheds)

For audio via phone: 866-823-7699 For technical assistance: 814-865-5355 Proposed Change #1: Change from protected watersheds to distance from protected streams.

Streams (Line)



- Updated regularly by DEP
- 1,000' buffer provided best approximation
- Better data that will continue to be updated in future

Dirt and Gravel

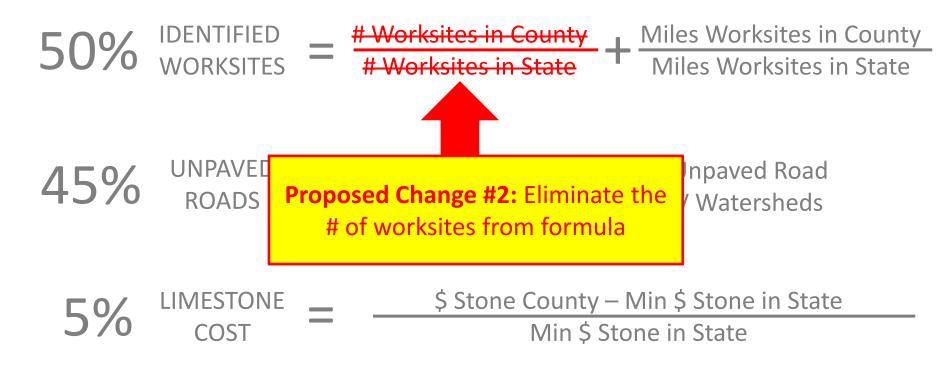
Dirt and Gravel Allocations:

Proposed Change #1: Change from protected watersheds to distance from protected streams.

Options

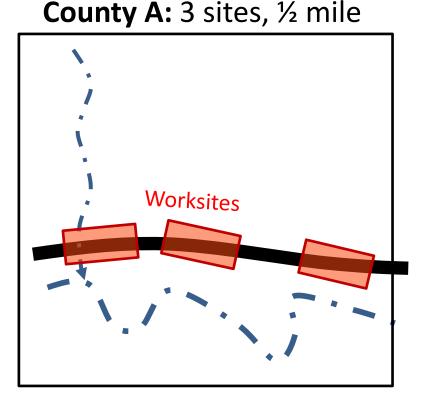
- Leave as is: Data becomes more outdated every year
- Change: Propose to move focus from "Within HQ/EV Watershed" to "Within 1,000' of HQ/EV Stream

Allocation Formula

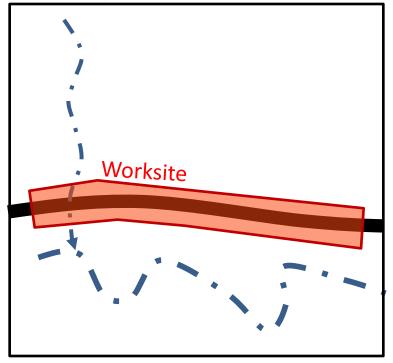


Proposed Change #2: Eliminate the # of worksites from formula

Why were both # and miles considered anyway?



County B: 1 site, 1 mile



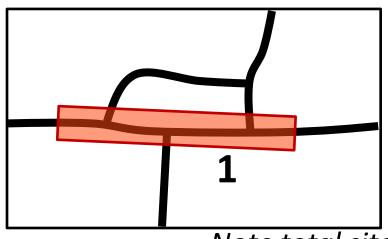
Why

Proposed Change #2: Eliminate the # of worksites from formula

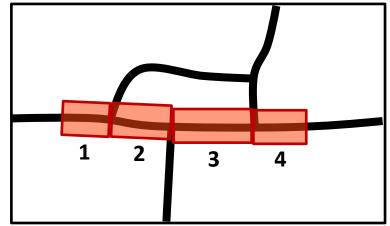
Unanticipated side effects of moving to online GIS in 2015.

- New GIS defines nodes at each intersection, throwing site counts off
- Site Mileage remains unchanged

Old GIS: Could be ONE site







Note total site length is the same

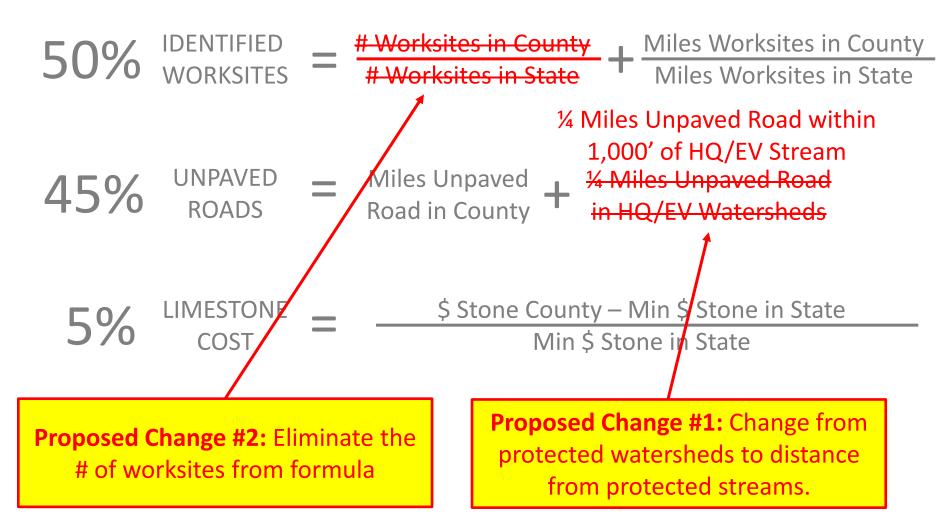
Proposed Change #2: Eliminate the # of worksites from formula

Options

- Leave as is: Data becomes more outdated every year to avoid allocation changes.
- Use new site numbers: Major allocation swing as site numbers balloon inaccurately.
- Proposed: Remove "# of sites" from formula, worksites in formula will be based on length only.

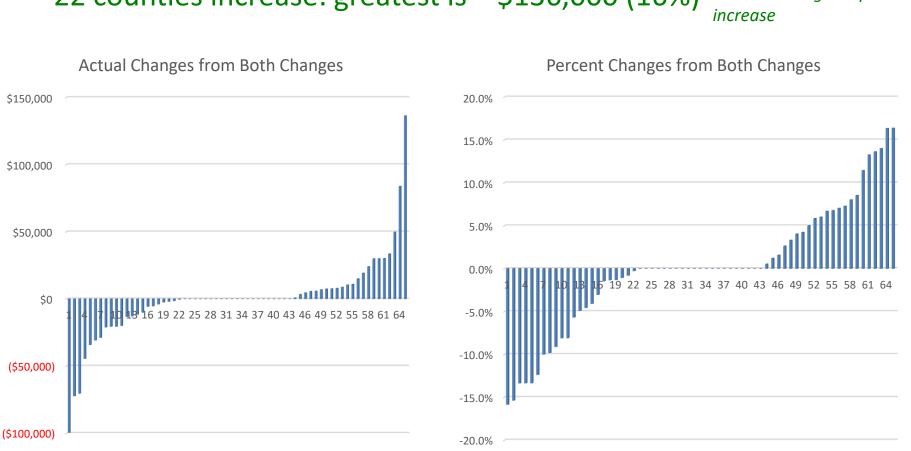
Recommend to phase this change in over 3 years

Allocation Formula



Impacts:

- Please note when discussing likely allocation impacts:
 - Impacts are approximate:
 - Assumed all counties eligible for allocation for comparison.
 - Will update base data in formulas with any changes done by CDs in 2017.



Combined Impacts:

- 20 counties unchanged
- 16% is greatest percent 23 counties decrease: greatest is ~ \$100,000 (13%) decrease
- 22 counties increase: greatest is ~ \$136,000 (16%) 16% is also highest percent

Dirt and Gravel

Considering both changes

DGLVRP Allocations

Dirt and Gravel Allocations:

23 counties decrease: greatest is \sim \$100,000 (13%) decrease 22 counties increase: greatest is ~ \$136,000 (16%) increase Percent Changes from Both Changes Actual Changes from Both Changes \$150,000 20.0% 6 counties 15.0% gain more \$100,000 than 10% 10.0% 5.0% \$50,000 0.0% 9 22 25 28 31 34 37 40 43 46 49 52 55 58 61 64 \$0 -5.0% 22 25 28 31 34 37 40 43 46 49 52 55 58 61 64 6 counties -10.0% Will call these

Combined Impacts:

(\$50,000)

(\$100,000)

- 20 counties unchanged
- 16% is greatest percent
- 16% is also highest percent

-15.0%

-20.0%

lose more

than 10%

DGLVRP Allocations

Dirt and Gravel Allocations:

Considering both changes

counties in next

two weeks

Dirt and Gravel

SCC Approved Jan 2018:

- Keep DGL/LVR split the same
- Keep minimum and maximum allocations the same
- Make 2 changes to formula:
 - Use protected streams instead of watersheds
 - Remove "# of sites" from formula
- Implement for FY 18-19, but to facilitate transition, phase "# worksites" change in over 3 years starting in FY 18-19, fully implementing in FY 20-21



Dirt and Gravel

Dirt an	d Gravel	Allocations: 3 year phase in: X 0.66 in FY 2018-19			
Allocat	tion Forn				
50%	IDENTIFIED WORKSITES	# Worksites in County # Miles Worksites in County # Worksites in State Miles Worksites in State			
45%	UNPAVED ROADS	 Miles Unpaved Road within Miles Unpaved Miles Unpaved Miles Unpaved Road Miles Unpaved Road<!--</th-->			
5%	LIMESTONE COST	Stone County – Min \$ Stone in State Min \$ Stone in State			
 3 year phase in: if you are decreasing \$30,000 - Should decrease \$10,000 in FY 2018-19 - Should decrease another \$10,000 in FY 2019-20 - Should decrease another \$10,000 in FY 2020-21 					

DGLVRP Allocations

Low Volume

Low Volume Road Allocations:



Low Volume Road Allocations:

Allocation Formula Recommendations

- No Changes to min (\$40K) or max (\$550K)
- No Changes to data used (except keeping up to date if applicable)
- Two changes proposed to allocation formula

Low Volume Road Allocations:

Allocation Formula

Miles Urban Road > 500' to Stream X 1 = A (urban, no stream)

Miles Urban Road < 500' to Stream X 2 = B (urban, stream)

Miles Non-Urban Road > 500' to Stream X 3 = C (non-urban, no stream)

Miles Non-Urban Road < 500' to Stream X 4 = D (non-urban, stream)

A+B+C+D for County
A+B+C+D for StatePercentage of Statewide LVR
Allocation County Gets

Simplified example: if (A+B+C+D for county) = 1, and (A+B+C+D for state) = 100 1/100 = 1%. 1% X \$8,000,000 = \$80,000 county allocation

Low Volume Roads

Low Volume Road Allocations:

Allocation Formula

Miles Urban Road > 500' to Stream

Miles Urban Road < 500' to Stream

Proposed Change #1: increase weight of "urban near stream"

X 3 = C (non-urban, no stream)

Miles Non-Urban Road < 500' to Stream X 4 = D (non-urban, stream)

Why increase weight of "urban near stream":

Miles Non-Urban Road > 500' to Stream

- Address concerns from more urban counties
- Focus on proximity to stream
- Higher stream connectivity in urban areas

Low Volume Roads

Low Volume Road Allocations:

Proposed Change #2: include bonus weighting for roads near HQ/EV watersheds

(C)Apportionment Criteria. The apportionment criteria shall:

- (1)Be based on verified need to correct pollution problems related to the road.
- (2)Consider the total miles of dirt and gravel roads maintained by local municipalities or state agencies that are open to the public during any period of the year.
- (3)Consider total miles of dirt and gravel roads within watersheds protected as of November 1996 as exceptional value or high quality waters of this Commonwealth.

(4)Consider allowances for the local cost of limestone aggregate.(5)Consider the commitments of grant applicants to comply with the non-pollution requirements established.

Low Volume Road Allocations:

Allocation Formula

Miles Urban Road > 500' to Stream

Miles Urban Road < 500' to Stream

Miles Non-Urban Road > 500' to Stream **Proposed Change #2:** include bonus weighting for roads near HQ/EV watersheds Miles Non-L

 $X \mathbf{1} = A$ (urban, no stream) X = B (urban, stream)

X $\mathbf{3} = \mathbf{C}$ (non-urban, no stream)

X 4 = D (non-urban, stream)

Road miles within 1,000' of HQ/EV streams X1 additional weight = E

A+B+C+D+E for State

A+B+C+D+E for County — Percentage of Statewide LVR Allocation County Gets

Simplified example: 1/100 = 1%. 1% X \$8,000,000 = \$80,000 county allocation

Low Volume Allocations:

Impacts:

- Please note when discussing likely allocation impacts:
 - Impacts are approximate:
 - Assumed all counties eligible for allocation for comparison.
 - Will update base data in formulas with any changes done by CDs in 2017.



Low Volume Roads

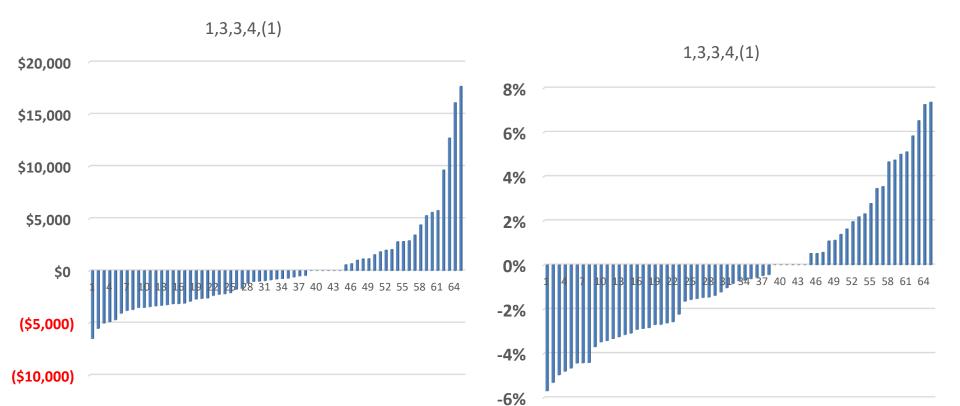
Low Volume Road Allocations:

Combined impact of both changes

Combined Impacts:

- 6 counties unchanged
- 38 counties decrease: greatest is ~ \$6,500 or 5%
- 21 counties increase: greatest is ~ \$17,600 or 7% ^{7% is also hig.}

6% is greatest percent decrease 7% is also highest percent increase



DGLVRP Allocations

Low Volume Roads

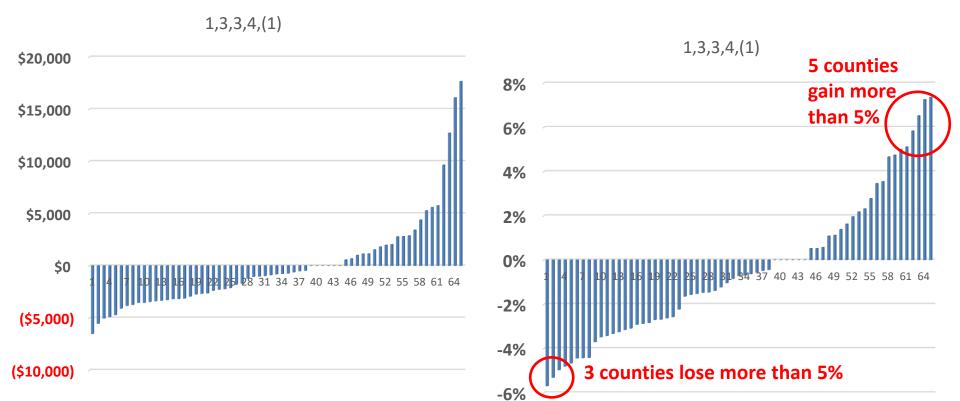
Low Volume Road Allocations:

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- 6 counties unchanged
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6% is greatest percent decrease 7% is also highest percent increase



LVR Allocations:

SCC Approved January 2018:

- Keep DGL/LVR split the same
- Keep minimum and maximum allocations the same
- Make 2 changes to formula:
 - Increase weight of "urban near stream" roads
 - Add bonus weight for roads near protected streams
- Changes are not severe, fully implement in FY 2018-19.

What happens next?

- **Currently:** ~10 counties short on spending/committing
- March/April: Final committal deadline for eligibility
- May: Final CD allocations to SCC for approval
- July: Fingers crossed for PA budget
- Aug/Sep: CDs receive advance for FY 18-19 allocations.

DGLVRP Allocations

Low Volume Roads

FY 2018-19 Allocation Formula for <u>Dirt and Gravel Road Allocations</u> Dirt, Gravel, and Low Volume Road Program **Details online:** SEE NOTE BELOW 1/1/2018 Cou PennState County Miles of Worksites Sta State Miles of Worksites Center for Dirt and Gravel Road Studies Worksites 50% Miles of Miles of Unpaved Road in Factor within County Unpaved Road 45% = Stone Cost in County (minus)- Minimur Factor Minimum Stone cost in HOME PA PROGRAM RESOURCES GENERAL RESOURCES Stone Cost = 5% Factor SCC PROGRAM OVERVIEW HOME PA P "Worksites" are road segments that are causing stream impacts, and have be CONSERVATION DISTRICTS servation Districts. Allocations are determined by creating an index value nd weighting. Each county's index value is then compared to PROGRAM RESOURCES A county whose index value is 2% of the state n-Specific Re Dirt, Gravel, and Low Volume Road Program SC 10 0000 and a maximum allocation o QA/QC FY 2018-19 Allocation Formula for Low Volume Road Allocations e area containin Conserv LOW VOLUME ROADS information. Program ADVISORY WORKGROUPS ted otherwise f Miles Urban Road > 500' to Stream X 1 = A (urban, no stream) Dirt and Grave PRODUCTS Blan Miles Urban Road < 500' to Stream X 3 = B (urban, stream) Miles Non-Urban Road > 500' to Stream X 3 = C (non-urban, no stream) DCNR BOF PROGRAM Refe Diank Forms Miles Non-Urban Road < 500' to Stream X 4 = D (non-urban, stream) Administrative Guidance new for FY 18-19 Miles of road near HQ/EV stream X1 = E (HQ/EV "bonus") Blank copies of forms Manual and Contract. County A + B + C + D + E for County A + B + C + D + E for State Allocation **Conservation District** Total to be distributed Allocations **Reference Mate** х How LVR Allocation Formula Works to Counties Reference material s QA/QC

February 13 th	WEBINAR: 2017 Annual Summary Report Review				
February 20 th	PRJ SHARING: Westmoreland, Courtyard Marriott Monroeville				
February 21 st	PRJ SHARING: Clarion, Park Inn by Radisson Clarion				
February 27 th	PRJ SHARING: Lancaster, Lancaster CD Office				
February 28 th	PRJ SHARING: Luzerne, Woodlands Inn & Resort				
March 6 th	PRJ SHARING: Centre, CDGRS Office				
March 7 th	WEBINAR: GIS and Quarterly Reporting Update				
March 27 th	WEBINAR: Project Sharing Session Highlights				
ESM Trainings l	begin in March: dates and locations available at:				
https://www.di	irtandgravel.psu.edu/education-and-training/esm-course	<u>e</u>			
April 3 rd	WEBINAR: Taking better project photos (from worksho	op)			
Summer TBD	Stream Crossing Trainings (4 regional)				
July TBD	ESM Boot Camp for CDs (2 in State College)				
TBD:		Annual Woi			
Admin Tra	Indiana,				

- GIS Beginner Training
- 4-5 Quarterly Report Trainings

Annual Workshop Indiana, PA September 14-16

ESM Trainings:

3/28-29: Butler 4/17-18: Lancaster 5/22-23: Somerset 7/11-12: Venango 10/2-3: Bedford

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