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January 13, 2022

Ms. Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First Street, N.E.
Washington, DC 20426

RE: Mountain Valley Pipeline, LLC
Docket No. CP21-57-000
Supplement to Response to U.S. Army Corps of Engineers Request for Information

Dear Secretary Bose:

Mountain Valley Pipeline, LLC hereby submits a copy of the Supplement to the October 11, 2021 Response to the U.S. Army Corps of Engineers Request for Information. If you have any questions, please do not hesitate to contact me at (412) 553-5786 or meggerding@equitransmidstream.com. Thank you.

Respectfully submitted,
Mountain Valley Pipeline, LLC
by and through its operator,
EQM Gathering Opco, LLC

By: 

Matthew Eggerding
Assistant General Counsel

Attachments

Mountain Valley Pipeline, LLC
Supplement to October 11, 2021 Response to Request for Information

Introduction

Mountain Valley Pipeline, LLC (“Mountain Valley”) is providing this supplement to its October 11, 2021 response to the request for information. This supplement is intended to respond to the Environmental Protection Agency’s (“EPA”) request that Mountain Valley use EPA’s Environmental Justice Mapping and Screening Tool (“EJSCREEN”) to assess the potential presence of environmental justice communities in the vicinity of the Project.¹

The Council on Environmental Quality (“CEQ”) Environmental Justice Guidance Under the National Environmental Policy Act, incorporating Executive Order 12898 – Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, defines “Minority population” where “(a) the minority population of the affected area exceeds 50 percent or (b) the minority population percentage of the affected area is meaningfully greater than the minority population percentage in the general population or other appropriate unit of geographic analysis.” A minority population exists if there is “more than one minority group present and the minority percentage, as calculated by aggregating all minority persons, meets one of the above-stated thresholds” (CEQ 1997). The CEQ and EPA (1998) guidelines indicate that low-income populations should be identified based on the annual statistical poverty thresholds established by the U.S. Census Bureau.

In the 2021 Environmental Assessment (“EA”), as in the Final Environmental Impact Statement (“FEIS”), FERC Staff analyzed the most recent U.S. Census Bureau information for each state, county, and block group reflecting:

- a. total population;
- b. percentage of each racial and ethnic group (White Alone Not Hispanic, Black or African American, American Indian and Alaska Native, Asian, Native Hawaiian and Other Pacific Islander, some other race, two or more races, Hispanic or Latino origin [of any race]);
- c. total minority population including individuals of Hispanic or Latino origin (percentage of total population); and
- d. percentage of total population below poverty level

FERC Staff presented the benchmarks used in its Environmental Justice analysis consistent with the CEQ Guidance and has used the most recent source data from the U.S. Census American Community Survey File# B17017 and File# B03002 as the source for race, ethnicity, and poverty data.

On November 15, 2021, Mountain Valley filed supplemental information with the FERC on Environmental Justice Analysis based on use of the EJSCREEN tool that utilized 2014-2018 data. Since that time EPA has announced that it had updated the EJSCREEN tool, adding new

¹ Comments of Environmental Protection Agency Region 3 on the Environmental Assessment for the Mountain Valley Pipeline Amendment Project, FERC Docket No. CP21-57-000, Accession No. 20210914-5028 (“EPA recommends the use of the EJSCREEN tool. EJSCREEN is a publicly accessible online mapping system that combines environmental and demographic data to enable analyses of populations who may experience adverse environmental impacts.”) (“EPA FERC EA Comments”).

data and socioeconomic information for 2016-2020 (see <https://www.epa.gov/newsreleases/epa-launches-updates-environmental-justice-mapping-tool-ejscreen>). Mountain Valley has conducted an updated analysis using EJSCREEN and submits the results herewith. EJSCREEN is a “screening-level look” that “is a useful first step in understanding and highlighting locations that may be candidates for further review.”² EPA further states that screening-level results from the EJSCREEN tool “do not provide a risk assessment and have other significant limitations”³ and that there is “no mandate or guidance expressed or implied that state governments or other entities should use the tool or its underlying data.”⁴ The available 2022 version of EJSCREEN utilizes 2016-2020 ACS 5-year summary file data, which is based on 2020 census boundaries. In its comments on the EA, EPA stated that it “recommends the use of the most recent available data to the extent feasible for EJ-related analyses in the Project.”⁵ FERC Staff used current at-the-time 2021 census data in the preparation of the environmental justice analysis in the EA.⁶ It is important to note that due to the differences in the data sets between the EJSCREEN and FEIS studies, the numeric results for certain indicators may not be synonymous, even though they yield similar results.

EJSCREEN Background

Guidelines provided by the CEQ (1997) and EPA (1998) indicate that a minority population may be defined as either: (1) where the minority population comprises more than 50 percent of the total population; and/or (2) where the minority population is meaningfully greater than the minority population in the general population of an appropriate benchmark region used for comparison.

According to the Federal Interagency Working Group (2016, p. 25), the “meaningfully greater” analysis used to identify potential minority populations “requires use of a reasonable, subjective threshold (e.g., ten or twenty percent greater than the reference community).” For this review, a minority population is considered to be “meaningfully greater” when the minority share of the population is 20 percent greater than the corresponding share in the reference community. The following review also takes the same approach with respect to the identification of low-income and other vulnerable populations (as defined by EJSCREEN, see below). A potential low-income population, for example, exists when the share of the population below the poverty level is 1.2 times (i.e., 20 percent) or greater than that of the reference community. The commonwealth of Virginia and state of West Virginia are the reference communities for the following assessment.

In addition, EPA has identified the 80th percentile filter as an initial starting point in EJSCREEN for “identifying geographic areas that may warrant further consideration.” The 80th percentile means that the value for an area’s population is equal to or greater than the corresponding value for 80 percent of the reference community (either Virginia or West Virginia). This measure is

² Environmental Protection Agency, EJSCREEN: Environmental Justice Screening and Mapping Tool, *Purposes and Uses of EJSCREEN*, <https://www.epa.gov/ejscreen/purposes-and-uses-ejscreen>.

³ *Id.*

⁴ Environmental Protection Agency, EJSCREEN: Environmental Justice Screening and Mapping Tool, *Limitations and Caveats in Using EJSCREEN*, <https://www.epa.gov/ejscreen/limitations-and-caveats-using-ejscreen>.

⁵ EPA FERC EA Comments at 6.

⁶ EA at 56 (“However, to address public concern regarding the Amendment Project, Mountain Valley provided an updated analysis of the FEIS data using 2021 Census data. We have verified the updated data and found that the updated analysis is not materially changed from the analysis provided in the FEIS (appendix F).”).

also considered for the EJSCREEN variables in the following assessment. In all cases, this is a more restrictive measure than the above 20 percent threshold.

EJSCREEN Results

The results of the current EJSCREEN analysis are summarized in Attachment A (MVP EJScreen Results 2022), which also provides data compiled from the 2017 FEIS for comparison where available. The environmental justice analysis in the 2017 FEIS did not include all factors considered by the EJScreen tool, and the data included in each analysis came from different datasets, which causes some variation between the results. The main differences come from the new block groupings in the ACS 2016-2020 survey and the adjustment made for inflation when measuring low-income indications in each county and according to block groups. Nonetheless, each yielded similar results, concluding that no county in the project area has a minority population that exceeds 50 percent and low-income populations are present along the MVP pipeline. The EJScreen analyses found that the non-English speaking share of the population is small in all cases; there are several populations with below state average education levels; and the share of the population over age 64 is higher than the corresponding state averages in most cases.

Minority Population

Using the data from EJSCREEN, potential minority populations were identified using the following criteria:

- The total minority share of the population is 1.2 times or greater than the corresponding state value.
- The area is in the 80th percentile or higher for the corresponding state.
- Total minority population exceeds 50 percent of the overall total population.

As was the case for the analysis in the FEIS and EA, few of the areas reviewed have a minority population that exceeds 50 percent. One of the areas reviewed has a minority population that exceeds 50 percent, this block group is in Virginia; it is highlighted in red. Excluding this group, six block groups have minority populations that are 1.2 times or greater than the corresponding state value, these groups are also highlighted in red, all of which are in West Virginia. The absolute percentages in the West Virginia block groups range from 11 percent to 30 percent and three of these block groups are above the 80th percentile in West Virginia.

Low-Income Populations

The latest EJSCREEN uses the ACS 2016-2020 metric Household by Household Income as a measure of low-income populations and reports the share of the population in households where household income is less than or equal to twice the federal poverty level. Using these data potential low-income populations were identified using the following criteria:

- The low-income share of the population is 1.2 times or greater than the corresponding state value.
- The area is in the 80th percentile or higher for the corresponding state.

Four counties and 11 census block groups in Virginia had low-income populations that were 1.2 times or greater than the state average; four of these block groups were also above the 80th percentile in Virginia. In West Virginia, three counties and 17 census block groups had low-

income populations 1.2 times or greater than the state average; 8 of these block groups were also above the 80th percentile.

By comparison, the FEIS used Poverty Status in the Past 12 Months by Household Type by Age of Householder (ACS Table B17017) to identify potential low-income areas. Areas where more than 20 percent of the population lives below the poverty level were identified as potential low-income communities. One county and six census block groups in Virginia met this criterion. In West Virginia, five counties and 15 census block groups were identified as potential low-income populations using this measure.

There is some overlap between the potential low-income areas identified using EJSCREEN and those identified in the FEIS. There are also a number of areas (counties and census block groups) that are identified as potential low-income populations by one measure and not the other. This reflects the different data sets used for the two evaluations as well as the different thresholds used to identify potential low-income areas.

Other Vulnerable Populations

Data are also provided in the attached workbook for the following variables identified as potential indicators of other vulnerable populations by EJSCREEN:

- Linguistically Isolated Population
- Population with Less Than High School Education
- Population under Age 5
- Population over Age 64

Data are provided as a percentage of total population for each variable along with the corresponding state percentile. Potential areas of concern are identified by variable based on the following criteria:

- The percent of population is 1.2 times or greater than the corresponding state value.
- The area is in the 80th percentile or higher for the corresponding state.

Areas that meet these criteria are highlighted red in Attachment A.

Linguistically Isolated Populations. The linguistically isolated share of the population in four Virginia counties was greater than 0 percent (averaging at 1%); two of the census block groups in Virginia have values equal to or above 1 percent; one block group has a one percent value and the other has a four percent value. In West Virginia, one of the counties has values above 0 percent, it has a four percent value. One block group has a value above 0 percent (23 percent).

The FEIS also considered linguistically isolated housing using a measure of non-English speaking households. Similar to the EJSCREEN analysis, the non-English speaking share of the population was small in all cases.

Population with Less Than High School Education. EJSCREEN identifies the number of people or share of the population age 25 or older that do not have a high school diploma. In Virginia, the share of the population age 25 or older without a high school diploma was more than 1.2 times in the state average in two counties and 11 census block groups. Seven of these block groups were in the 80th percentile or above.

In West Virginia, the share was more than 1.2 times the state average in 6 counties and 18 census block groups, with one county and 6 block groups also in the 80th percentile or above. The FEIS did not evaluate educational levels as a potential indicator of other vulnerable populations.

Population under Age 5. In Virginia, EJSCREEN identified no counties and just six census block groups where the share of the population under age 5 was more than 1.2 times the state average; only one of which is in the 80th percentile or higher for the state. In West Virginia, two counties and eight census block groups had populations under age 5 that were 1.2 times the state average; four of these block groups were also in the 80th percentile or above.

The FEIS did not evaluate the population under age 5. The analysis did, however, consider population under age 18 as a share of the total population and concluded that the share of the population under age 18 in census block groups was similar to the share in their respective counties.

Population over Age 64. In Virginia, the share of the population over age 64 was more than 1.2 times the state average in five of the six counties and 13 census block groups. Seven of the block groups were also in the 80th percentile or above. In West Virginia, the share was more than 1.2 times the corresponding state average in three counties and 17 census block groups. Twelve of the census block groups were in the 80th percentile or above.

The FEIS evaluated population over age 65 and found that the share of the population over 65 exceeded the state average in all but one county and was higher than the corresponding county share in all affected census block groups.

Conclusions

While there are minor variations in the composition of affected block groups and categories used by FERC Staff in the EA and FEIS as compared to EJSCREEN, the impacts of the Project do not fall disproportionately on EJ communities identified under either method. As explained in the FEIS, which was affirmed on appeal by the U.S. Court of Appeals for the District of Columbia Circuit, effects of the Project would not appreciably exceed impacts felt by the general population or other non-EJ census block groups affected by the Project.⁷ Affected EJ communities identified in the FEIS and EA were not expected to experience significant adverse health or environmental harm.⁸ The same conclusions apply with respect to the minority and low-income populations identified using the EJSCREEN tool, because the Project does not produce effects on these populations that are different in kind or degree from those affecting the low-income populations identified in the FEIS and EA or other populations affected by the Project.

Mountain Valley has engaged in extensive community outreach to ensure that all areas affected by the Project, not limited to the EJ communities identified in the FEIS or EA, are kept informed and have opportunities for meaningful participation. With respect to the issue of internet access to rural communities, since the announcement of the Project in 2014, Mountain Valley has engaged in outreach including numerous open houses and regular meetings with federal, state, and local officials. Throughout this time, Mountain Valley has been in regular communication with affected landowners, providing updates regarding construction status and addressing

⁷ FEIS at 4-400.

⁸ *Id.*

concerns raised. Mountain Valley communicates with affected individuals using various methods including telephone, U.S. Mail, e-mail, and in-person visits. People in the census block groups identified in the EJSCREEN analysis received the same enhanced opportunity to participate in Project-related proceedings as the census block groups identified in the FEIS and EA. In the EA, FERC Staff concluded:

Mountain Valley has been in communication via telephone, U.S. mail, e-mail, and in-person meetings, with affected landowners. Communications with affected landowners began before Mountain Valley filed a request to enter into the Commission's pre-filing environmental process for the Mountain Valley Pipeline Project on October 27, 2014. Mountain Valley has also conducted local outreach efforts throughout the construction of the Mountain Valley Pipeline Project. For the Amendment Project, Mountain Valley mailed all affected landowners a written copy of the Notice of Application as well as the Commission's "An Interstate Natural Gas Facility On My Land? What Do I Need To Know?" pamphlet.⁹

The FEIS concluded that the Project "would benefit the state and local economies by creating a short-term stimulus to the affected areas through payroll expenditures, local purchases of consumables, project-specific materials, room rentals, and sales tax."¹⁰ The FEIS further stated that operation of the Project "would result in long-term ad valorem property tax benefits for the counties crossed by the MVP in West Virginia and Virginia. These property taxes would be paid for the life of the project."¹¹

Mountain Valley is committed to being good community partners and has provided funding to preserve more than twice as many acres of land as will be affected by the long-term operation of the 303-mile project. While some of these efforts have been related to mitigation, many more have been extended as voluntary contributions to local organizations, stewardship partnerships with environmental groups, and various community-related program or other sponsorships. In addition, given the extended timeline to complete construction, Mountain Valley recently updated the economic benefits analysis, which was conducted by FTI Consulting. It is clear that the Project offers economic benefits for its states and communities, including short-term economic benefits associated with construction and long-term benefits associated with an increased supply of reliable, cleaner, affordable natural gas. The estimated ad valorem taxes, or taxes generated upon the Project's successful in-service operations, will support communities by providing additional tax revenue for funding schools and educational programs, road improvements, and other local needs. Mountain Valley has provided a summary of the Project economic benefits as Attachment B. hereto.

⁹ EA at 56.

¹⁰ FEIS at 4-394.

¹¹ *Id.*

References

- Council on Environmental Quality. 1997. Environmental Justice Guidance under the National Environmental Policy Act. Executive Office of the President. Washington, D.C. December 10. Available online at:
<http://www.epa.gov/compliance/resources/policies/ej/index.html>
- Federal Energy Regulatory Commission. 2017. Mountain Valley Project and Equitrans Expansion Project. Final Environmental Impact Statement. FERC/FEIS-0272F. Mountain Valley Pipeline, LLC and Equitrans, LP FERC Docket Nos.: CP16-10-000 and CP16-13-000. June. Available online at: <https://www.ferc.gov/final-environmental-impact-statement-mountain-valley-project-and-equitrans-expansion-project>
- Federal Interagency Working Group on Environmental Justice & NEPA Committee. 2016. Promising Practices for EJ Methodologies in NEPA Reviews. Report of the Federal Interagency Working Group on Environmental Justice & NEPA Committee. March. Available online at: <https://www.epa.gov/environmentaljustice/ej-iwg-promising-practices-ej-methodologies-nepa-reviews>
- U.S. Environmental Protection Agency. 1998. Final Guidance for Incorporating Environmental Justice Concerns in EPA's NEPA Compliance Analyses. April. Available online at: <http://www.epa.gov/compliance/resources/policies/ej/index.html>.
- U.S. Environmental Protection Agency. 2021. EJSCREEN Environmental Justice Screening and Mapping Tool (Version 2022). Available online at: <https://ejscreen.epa.gov/mapper/>

Attachment A
EJSCREEN Results

Affected by Amendment	FIPS Code	Name	EJSCREEN Percentage b/	EJSCREEN Percentile (State) c/	As Reported in the 2017 FEIS d/	1.2 x State Average
1	51	Virginia	39%	n/a	31%	47%
1	54	West Virginia	8%	n/a	6%	10%
0	45	Craig County, Virginia	2%	35	4%	
1	67	Franklin County, Virginia	13%	22	11%	
1	71	Giles County, Virginia	5%	11	4%	
1	121	Montgomery County, Virginia	17%	28	13%	
1	143	Pittsylvania County, Virginia	26%	41	25%	
0	161	Roanoke County, Virginia	15%	25	11%	
0	7	Braxton County, West Virginia	8%	65	2%	
0	17	Doddridge County, West Virginia	4%	49	3%	
1	19	Fayette County, West Virginia	8%	63	7%	
0	25	Greenbrier County, West Virginia	9%	66	6%	
0	33	Harrison County, West Virginia	6%	38	4%	
1	41	Lewis County, West Virginia	6%	57	2%	
1	63	Monroe County, West Virginia	4%	47	2%	
1	67	Nicholas County, West Virginia	3%	43	1%	
1	89	Summers County, West Virginia	8%	64	7%	
1	101	Webster County, West Virginia	2%	33	2%	
1	103	Wetzel County, West Virginia	3%	43	2%	
0	510450501002	Block Group 2, Census Tract 501, Craig County, Virginia	0%	0		
1	510670201021	Block Group 1, Census Tract 201.02, Franklin County, Virginia	10%	17		
1	510670202001	Block Group 1, Census Tract 202, Franklin County, Virginia	7%	13		
1	510670202002	Block Group 2, Census Tract 202, Franklin County, Virginia	9%	16		
0	510670204002	Block Group 2, Census Tract 204, Franklin County, Virginia	12%	21		
0	510670204003	Block Group 3, Census Tract 204, Franklin County, Virginia	0%	0		
1	510670205012	Block Group 2, Census Tract 205.01, Franklin County, Virginia	22%	36		
1	510670205021	Block Group 1, Census Tract 205.02, Franklin County, Virginia	0%	0		
1	510670209011	Block Group 1, Census Tract 209.01, Franklin County, Virginia	18%	29		
1	510719301001	Block Group 1, Census Tract 9301, Giles County, Virginia	0%	0		
1	510719302003	Block Group 3, Census Tract 9302, Giles County, Virginia	4%	9		
0	511210213001	Block Group 1, Census Tract 213, Montgomery County, Virginia	13%	22		
1	511210213002	Block Group 2, Census Tract 213, Montgomery County, Virginia	6%	12		
1	511210214001	Block Group 1, Census Tract 214, Montgomery County, Virginia	9%	16		
1	511210214002	Block Group 2, Census Tract 214, Montgomery County, Virginia	15%	25		
1	511430103022	Block Group 2, Census Tract 103.02, Pittsylvania County, Virginia	30%	45		
1	511430105001	Block Group 1, Census Tract 105, Pittsylvania County, Virginia	54%	73		
1	511430105003	Block Group 3, Census Tract 105, Pittsylvania County, Virginia	46%	66		
1	511430106002	Block Group 2, Census Tract 106, Pittsylvania County, Virginia	30%	46		
0	511610303002	Block Group 2, Census Tract 303, Roanoke County, Virginia	8%	15		
0	511610305011	Block Group 1, Census Tract 305.01, Roanoke County, Virginia	12%	20		
0	511610306011	Block Group 1, Census Tract 306.01, Roanoke County, Virginia	3%	7		
0	540079679001	Block Group 1, Census Tract 9679, Braxton County, West Virginia	2%	34		
0	540079679004	Block Group 4, Census Tract 9679, Braxton County, West Virginia	0%	0		
0	540179650003	Block Group 3, Census Tract 9650, Doddridge County, West Virginia	12%	75		
0	540179650004	Block Group 4, Census Tract 9650, Doddridge County, West Virginia	0%	0		
1	540190211003	Block Group 3, Census Tract 211, Fayette County, West Virginia	1%	28		
0	540259503001	Block Group 1, Census Tract 9503, Greenbrier County, West Virginia	0%	0		
0	540259503003	Block Group 3, Census Tract 9503, Greenbrier County, West Virginia	3%	42		
0	540259503004	Block Group 4, Census Tract 9503, Greenbrier County, West Virginia	13%	78		
0	540259505001	Block Group 1, Census Tract 9505, Greenbrier County, West Virginia	4%	48		
0	540330314001	Block Group 1, Census Tract 314, Harrison County, West Virginia	1%	30		
0	540330315001	Block Group 1, Census Tract 315, Harrison County, West Virginia	2%	34		
0	540330317001	Block Group 1, Census Tract 317, Harrison County, West Virginia	7%	60		
0	540330317002	Block Group 2, Census Tract 317, Harrison County, West Virginia	9%	68		
0	540419672001	Block Group 1, Census Tract 9672, Lewis County, West Virginia	11%	74		
1	540419672002	Block Group 2, Census Tract 9672, Lewis County, West Virginia	5%	52		
1	540419676002	Block Group 2, Census Tract 9676, Lewis County, West Virginia	9%	67		
0	540419676003	Block Group 3, Census Tract 9676, Lewis County, West Virginia	4%	46		
1	540639502001	Block Group 1, Census Tract 9502, Monroe County, West Virginia	9%	67		
0	540639502004	Block Group 4, Census Tract 9502, Monroe County, West Virginia	0%	0		
0	540639502005	Block Group 5, Census Tract 9502, Monroe County, West Virginia	2%	32		
1	540639503001	Block Group 1, Census Tract 9503, Monroe County, West Virginia	0%	23		
1	540639503002	Block Group 2, Census Tract 9503, Monroe County, West Virginia	1%	26		
1	540679504001	Block Group 1, Census Tract 9504, Nicholas County, West Virginia	0%	0		
1	540679504002	Block Group 2, Census Tract 9504, Nicholas County, West Virginia	2%	35		
1	540679504003	Block Group 3, Census Tract 9504, Nicholas County, West Virginia	1%	30		
0	540679506003	Block Group 3, Census Tract 9506, Nicholas County, West Virginia	0%	0		

1	540679506004	Block Group 4, Census Tract 9506, Nicholas County, West Virginia	0%	0
0	540679507001	Block Group 1, Census Tract 9507, Nicholas County, West Virginia	30%	94
1	540890005001	Block Group 1, Census Tract 5, Summers County, West Virginia	7%	61
1	540890006001	Block Group 1, Census Tract 6, Summers County, West Virginia	16%	82
1	540890006002	Block Group 2, Census Tract 6, Summers County, West Virginia	0%	0
1	541019701012	Block Group 2, Census Tract 9701.01, Webster County, West Virginia	0%	0
1	541019701021	Block Group 1, Census Tract 9701.02, Webster County, West Virginia	1%	28
1	541019701022	Block Group 2, Census Tract 9701.02, Webster County, West Virginia	0%	0
0	541019703001	Block Group 1, Census Tract 9703, Webster County, West Virginia	6%	58
0	541030305003	Block Group 3, Census Tract 305, Wetzel County, West Virginia	21%	88
1	541030305004	Block Group 4, Census Tract 305, Wetzel County, West Virginia	6%	58

a/ 1 = MVP and part of the amendment project; 0 = MVP and not part of the amendment project

b/ Percent of total population. Highlighted cells indicate the percent is 1.2 times or greater than the corresponding state average.

c/ Percentile values are for each state. Highlighted values are in the 80th percentile or higher of the corresponding state.

d/ These data are not reported by census block group in the 2017 FEIS.

Affected by Amendment			EJSCREEN Percentage	EJSCREEN Percentile (State)	As Reported in the 2017 FEIS	1.2 x State Average
Project a/	FIPS Code		b/	c/	d/	
1	51	Virginia	24%	n/a	11%	29%
1	54	West Virginia	37%	n/a	17%	44%
0	45	Craig County, Virginia	31%	66	9%	
1	67	Franklin County, Virginia	33%	68	13%	
1	71	Giles County, Virginia	28%	61	15%	
1	121	Montgomery County, Virginia	37%	74	22%	
1	143	Pittsylvania County, Virginia	36%	74	15%	
0	161	Roanoke County, Virginia	21%	50	7%	
0	7	Braxton County, West Virginia	43%	60	20%	
0	17	Doddridge County, West Virginia	36%	47	14%	
1	19	Fayette County, West Virginia	42%	59	20%	
0	25	Greenbrier County, West Virginia	41%	56	20%	
0	33	Harrison County, West Virginia	32%	40	17%	
1	41	Lewis County, West Virginia	39%	53	19%	
1	63	Monroe County, West Virginia	44%	61	15%	
1	67	Nicholas County, West Virginia	45%	64	18%	
1	89	Summers County, West Virginia	43%	61	22%	
1	101	Webster County, West Virginia	56%	81	25%	
1	103	Wetzel County, West Virginia	43%	61	19%	
0	510450501002	Block Group 2, Census Tract 501, Craig County, Virginia	32%	68	8%	
1	510670201021	Block Group 1, Census Tract 201.02, Franklin County, Virginia	18%	44	18%	
1	510670202001	Block Group 1, Census Tract 202, Franklin County, Virginia	31%	67	13%	
1	510670202002	Block Group 2, Census Tract 202, Franklin County, Virginia	48%	86	15%	
0	510670204002	Block Group 2, Census Tract 204, Franklin County, Virginia	52%	88	20%	
0	510670204003	Block Group 3, Census Tract 204, Franklin County, Virginia	31%	66	19%	
1	510670205012	Block Group 2, Census Tract 205.01, Franklin County, Virginia	22%	51	8%	
1	510670205021	Block Group 1, Census Tract 205.02, Franklin County, Virginia	31%	66	0%	
1	510670209011	Block Group 1, Census Tract 209.01, Franklin County, Virginia	48%	85	24%	
1	510719301001	Block Group 1, Census Tract 9301, Giles County, Virginia	29%	62	12%	
1	510719302003	Block Group 3, Census Tract 9302, Giles County, Virginia	18%	42	9%	
0	511210213001	Block Group 1, Census Tract 213, Montgomery County, Virginia	25%	56	3%	
1	511210213002	Block Group 2, Census Tract 213, Montgomery County, Virginia	7%	18	13%	
1	511210214001	Block Group 1, Census Tract 214, Montgomery County, Virginia	25%	56	32%	
1	511210214002	Block Group 2, Census Tract 214, Montgomery County, Virginia	55%	90	7%	
1	511430103022	Block Group 2, Census Tract 103.02, Pittsylvania County, Virginia	33%	68	29%	
1	511430105001	Block Group 1, Census Tract 105, Pittsylvania County, Virginia	11%	29	20%	
1	511430105003	Block Group 3, Census Tract 105, Pittsylvania County, Virginia	38%	75	10%	
1	511430106002	Block Group 2, Census Tract 106, Pittsylvania County, Virginia	35%	72	12%	
0	511610303002	Block Group 2, Census Tract 303, Roanoke County, Virginia	21%	50	18%	
0	511610305011	Block Group 1, Census Tract 305.01, Roanoke County, Virginia	9%	24	10%	
0	511610306011	Block Group 1, Census Tract 306.01, Roanoke County, Virginia	16%	40	0%	
0	540079679001	Block Group 1, Census Tract 9679, Braxton County, West Virginia	39%	53	28%	
0	540079679004	Block Group 4, Census Tract 9679, Braxton County, West Virginia	59%	85	13%	
0	540179650003	Block Group 3, Census Tract 9650, Doddridge County, West Virginia	55%	80	14%	
0	540179650004	Block Group 4, Census Tract 9650, Doddridge County, West Virginia	15%	10	11%	
1	540190211003	Block Group 3, Census Tract 211, Fayette County, West Virginia	34%	43	22%	
0	540259503001	Block Group 1, Census Tract 9503, Greenbrier County, West Virginia	53%	77	22%	
0	540259503003	Block Group 3, Census Tract 9503, Greenbrier County, West Virginia	49%	71	29%	
0	540259503004	Block Group 4, Census Tract 9503, Greenbrier County, West Virginia	16%	11	11%	
0	540259505001	Block Group 1, Census Tract 9505, Greenbrier County, West Virginia	23%	20	18%	
0	540330314001	Block Group 1, Census Tract 314, Harrison County, West Virginia	19%	15	20%	
0	540330315001	Block Group 1, Census Tract 315, Harrison County, West Virginia	24%	22	15%	
0	540330317001	Block Group 1, Census Tract 317, Harrison County, West Virginia	34%	43	30%	
0	540330317002	Block Group 2, Census Tract 317, Harrison County, West Virginia	28%	31	23%	
0	540419672001	Block Group 1, Census Tract 9672, Lewis County, West Virginia	15%	10	25%	
1	540419672002	Block Group 2, Census Tract 9672, Lewis County, West Virginia	25%	25	26%	
1	540419676002	Block Group 2, Census Tract 9676, Lewis County, West Virginia	48%	68	12%	
0	540419676003	Block Group 3, Census Tract 9676, Lewis County, West Virginia	40%	55	24%	
1	540639502001	Block Group 1, Census Tract 9502, Monroe County, West Virginia	54%	79	26%	
0	540639502004	Block Group 4, Census Tract 9502, Monroe County, West Virginia	56%	82	12%	
0	540639502005	Block Group 5, Census Tract 9502, Monroe County, West Virginia	24%	22	19%	
1	540639503001	Block Group 1, Census Tract 9503, Monroe County, West Virginia	20%	17	0%	
1	540639503002	Block Group 2, Census Tract 9503, Monroe County, West Virginia	49%	70	4%	
1	540679504001	Block Group 1, Census Tract 9504, Nicholas County, West Virginia	38%	50	7%	
1	540679504002	Block Group 2, Census Tract 9504, Nicholas County, West Virginia	25%	25	35%	
1	540679504003	Block Group 3, Census Tract 9504, Nicholas County, West Virginia	42%	58	30%	

0	540679506003	Block Group 3, Census Tract 9506, Nicholas County, West Virginia	45%	65	16%
1	540679506004	Block Group 4, Census Tract 9506, Nicholas County, West Virginia	50%	71	7%
0	540679507001	Block Group 1, Census Tract 9507, Nicholas County, West Virginia	54%	79	7%
1	540890005001	Block Group 1, Census Tract 5, Summers County, West Virginia	42%	59	25%
1	540890006001	Block Group 1, Census Tract 6, Summers County, West Virginia	32%	39	16%
1	540890006002	Block Group 2, Census Tract 6, Summers County, West Virginia	70%	93	12%
1	541019701012	Block Group 2, Census Tract 9701.01, Webster County, West Virginia	50%	72	23%
1	541019701021	Block Group 1, Census Tract 9701.02, Webster County, West Virginia	55%	80	7%
1	541019701022	Block Group 2, Census Tract 9701.02, Webster County, West Virginia	76%	95	34%
0	541019703001	Block Group 1, Census Tract 9703, Webster County, West Virginia	57%	82	20%
0	541030305003	Block Group 3, Census Tract 305, Wetzel County, West Virginia	15%	10	18%
1	541030305004	Block Group 4, Census Tract 305, Wetzel County, West Virginia	63%	88	16%

a/ 1 = MVP and part of the amendment project; 0 = MVP and not part of the amendment project

b/ Percent of total population. Highlighted cells indicate the percent is 1.2 times or greater than the corresponding state average.

c/ Percentile values are for each state. Highlighted values are in the 80th percentile or higher of the corresponding state.

d/ Percent of population below the poverty line. Highlighted cells indicate that more than 20 percent of the population is below the poverty line.

Affected by Amendment			EJSCREEN Percentage b/	EJSCREEN Percentile (State) c/	1.2 x State Average
Project a/	FIPS Code	Name			
1	51	Virginia	3%	n/a	4%
1	54	West Virginia	0%	n/a	0%
0	45	Craig County, Virginia	0%	0	
1	67	Franklin County, Virginia	0%	0	
1	71	Giles County, Virginia	1%	67	
1	121	Montgomery County, Virginia	1%	68	
1	143	Pittsylvania County, Virginia	1%	66	
0	161	Roanoke County, Virginia	1%	64	
0	7	Braxton County, West Virginia	0%	0	
0	17	Doddridge County, West Virginia	0%	0	
1	19	Fayette County, West Virginia	0%	0	
0	25	Greenbrier County, West Virginia	0%	92	
0	33	Harrison County, West Virginia	0%	0	
1	41	Lewis County, West Virginia	1%	94	
1	63	Monroe County, West Virginia	0%	92	
1	67	Nicholas County, West Virginia	0%	0	
1	89	Summers County, West Virginia	0%	0	
1	101	Webster County, West Virginia	0%	0	
1	103	Wetzel County, West Virginia	0%	0	
0	510450501002	Block Group 2, Census Tract 501, Craig County, Virginia	0%	0	
1	510670201021	Block Group 1, Census Tract 201.02, Franklin County, Virginia	0%	0	
1	510670202001	Block Group 1, Census Tract 202, Franklin County, Virginia	0%	0	
1	510670202002	Block Group 2, Census Tract 202, Franklin County, Virginia	0%	0	
0	510670204002	Block Group 2, Census Tract 204, Franklin County, Virginia	0%	0	
0	510670204003	Block Group 3, Census Tract 204, Franklin County, Virginia	0%	0	
1	510670205012	Block Group 2, Census Tract 205.01, Franklin County, Virginia	0%	0	
1	510670205021	Block Group 1, Census Tract 205.02, Franklin County, Virginia	0%	0	
1	510670209011	Block Group 1, Census Tract 209.01, Franklin County, Virginia	0%	0	
1	510719301001	Block Group 1, Census Tract 9301, Giles County, Virginia	0%	0	
1	510719302003	Block Group 3, Census Tract 9302, Giles County, Virginia	0%	0	
0	511210213001	Block Group 1, Census Tract 213, Montgomery County, Virginia	1%	66	
1	511210213002	Block Group 2, Census Tract 213, Montgomery County, Virginia	0%	0	
1	511210214001	Block Group 1, Census Tract 214, Montgomery County, Virginia	0%	0	
1	511210214002	Block Group 2, Census Tract 214, Montgomery County, Virginia	0%	0	
1	511430103022	Block Group 2, Census Tract 103.02, Pittsylvania County, Virginia	0%	0	
1	511430105001	Block Group 1, Census Tract 105, Pittsylvania County, Virginia	0%	0	
1	511430105003	Block Group 3, Census Tract 105, Pittsylvania County, Virginia	4%	81	
1	511430106002	Block Group 2, Census Tract 106, Pittsylvania County, Virginia	0%	0	
0	511610303002	Block Group 2, Census Tract 303, Roanoke County, Virginia	0%	0	
0	511610305011	Block Group 1, Census Tract 305.01, Roanoke County, Virginia	0%	0	
0	511610306011	Block Group 1, Census Tract 306.01, Roanoke County, Virginia	0%	0	
0	540079679001	Block Group 1, Census Tract 9679, Braxton County, West Virginia	0%	0	
0	540079679004	Block Group 4, Census Tract 9679, Braxton County, West Virginia	0%	0	
0	540179650003	Block Group 3, Census Tract 9650, Doddridge County, West Virginia	0%	0	
0	540179650004	Block Group 4, Census Tract 9650, Doddridge County, West Virginia	0%	0	
1	540190211003	Block Group 3, Census Tract 211, Fayette County, West Virginia	0%	0	
0	540259503001	Block Group 1, Census Tract 9503, Greenbrier County, West Virginia	0%	0	
0	540259503003	Block Group 3, Census Tract 9503, Greenbrier County, West Virginia	0%	0	
0	540259503004	Block Group 4, Census Tract 9503, Greenbrier County, West Virginia	0%	0	
0	540259505001	Block Group 1, Census Tract 9505, Greenbrier County, West Virginia	0%	0	
0	540330314001	Block Group 1, Census Tract 314, Harrison County, West Virginia	0%	0	
0	540330315001	Block Group 1, Census Tract 315, Harrison County, West Virginia	0%	0	
0	540330317001	Block Group 1, Census Tract 317, Harrison County, West Virginia	0%	0	
0	540330317002	Block Group 2, Census Tract 317, Harrison County, West Virginia	0%	0	
0	540419672001	Block Group 1, Census Tract 9672, Lewis County, West Virginia	0%	0	
1	540419672002	Block Group 2, Census Tract 9672, Lewis County, West Virginia	0%	0	
1	540419676002	Block Group 2, Census Tract 9676, Lewis County, West Virginia	23%	99	
0	540419676003	Block Group 3, Census Tract 9676, Lewis County, West Virginia	0%	0	
1	540639502001	Block Group 1, Census Tract 9502, Monroe County, West Virginia	0%	0	
0	540639502004	Block Group 4, Census Tract 9502, Monroe County, West Virginia	0%	0	

0	540639502005	Block Group 5, Census Tract 9502, Monroe County, West Virginia	0%	0
1	540639503001	Block Group 1, Census Tract 9503, Monroe County, West Virginia	0%	0
1	540639503002	Block Group 2, Census Tract 9503, Monroe County, West Virginia	0%	0
1	540679504001	Block Group 1, Census Tract 9504, Nicholas County, West Virginia	0%	0
1	540679504002	Block Group 2, Census Tract 9504, Nicholas County, West Virginia	0%	0
1	540679504003	Block Group 3, Census Tract 9504, Nicholas County, West Virginia	0%	0
0	540679506003	Block Group 3, Census Tract 9506, Nicholas County, West Virginia	0%	0
1	540679506004	Block Group 4, Census Tract 9506, Nicholas County, West Virginia	0%	0
0	540679507001	Block Group 1, Census Tract 9507, Nicholas County, West Virginia	0%	0
1	540890005001	Block Group 1, Census Tract 5, Summers County, West Virginia	0%	0
1	540890006001	Block Group 1, Census Tract 6, Summers County, West Virginia	0%	0
1	540890006002	Block Group 2, Census Tract 6, Summers County, West Virginia	0%	0
1	541019701012	Block Group 2, Census Tract 9701.01, Webster County, West Virginia	0%	0
1	541019701021	Block Group 1, Census Tract 9701.02, Webster County, West Virginia	0%	0
1	541019701022	Block Group 2, Census Tract 9701.02, Webster County, West Virginia	0%	0
0	541019703001	Block Group 1, Census Tract 9703, Webster County, West Virginia	0%	0
0	541030305003	Block Group 3, Census Tract 305, Wetzel County, West Virginia	0%	0
1	541030305004	Block Group 4, Census Tract 305, Wetzel County, West Virginia	0%	0

a/ 1 = MVP and part of the amendment project; 0 = MVP and not part of the amendment project

b/ Percent of total population. Highlighted cells indicate the percent is 1.2 times or greater than the corresponding state average.

c/ Percentile values are for each state. Highlighted values are in the 80th percentile or higher of the corresponding state.

Affected by Amendment			EJSCREEN Percentage	EJSCREEN Percentile (State)	1.2 x State Average
Project a/	FIPS Code	Name	b/	c/	
1	51	Virginia	10%	n/a	12%
1	54	West Virginia	12%	n/a	14%
0	45	Craig County, Virginia	9%	54	
1	67	Franklin County, Virginia	12%	65	
1	71	Giles County, Virginia	10%	60	
1	121	Montgomery County, Virginia	6%	43	
1	143	Pittsylvania County, Virginia	16%	77	
0	161	Roanoke County, Virginia	7%	46	
0	7	Braxton County, West Virginia	18%	74	
0	17	Doddridge County, West Virginia	18%	74	
1	19	Fayette County, West Virginia	15%	66	
0	25	Greenbrier County, West Virginia	14%	62	
0	33	Harrison County, West Virginia	11%	51	
1	41	Lewis County, West Virginia	13%	57	
1	63	Monroe County, West Virginia	13%	56	
1	67	Nicholas County, West Virginia	12%	53	
1	89	Summers County, West Virginia	14%	62	
1	101	Webster County, West Virginia	24%	88	
1	103	Wetzel County, West Virginia	13%	59	
0	510450501002	Block Group 2, Census Tract 501, Craig County, Virginia	10%	59	
1	510670201021	Block Group 1, Census Tract 201.02, Franklin County, Virginia	3%	24	
1	510670202001	Block Group 1, Census Tract 202, Franklin County, Virginia	2%	19	
1	510670202002	Block Group 2, Census Tract 202, Franklin County, Virginia	5%	36	
0	510670204002	Block Group 2, Census Tract 204, Franklin County, Virginia	13%	69	
0	510670204003	Block Group 3, Census Tract 204, Franklin County, Virginia	12%	65	
1	510670205012	Block Group 2, Census Tract 205.01, Franklin County, Virginia	10%	61	
1	510670205021	Block Group 1, Census Tract 205.02, Franklin County, Virginia	9%	57	
1	510670209011	Block Group 1, Census Tract 209.01, Franklin County, Virginia	30%	95	
1	510719301001	Block Group 1, Census Tract 9301, Giles County, Virginia	4%	29	
1	510719302003	Block Group 3, Census Tract 9302, Giles County, Virginia	10%	59	
0	511210213001	Block Group 1, Census Tract 213, Montgomery County, Virginia	7%	46	
1	511210213002	Block Group 2, Census Tract 213, Montgomery County, Virginia	1%	14	
1	511210214001	Block Group 1, Census Tract 214, Montgomery County, Virginia	8%	51	
1	511210214002	Block Group 2, Census Tract 214, Montgomery County, Virginia	34%	97	
1	511430103022	Block Group 2, Census Tract 103.02, Pittsylvania County, Virginia	30%	95	
1	511430105001	Block Group 1, Census Tract 105, Pittsylvania County, Virginia	35%	97	
1	511430105003	Block Group 3, Census Tract 105, Pittsylvania County, Virginia	23%	88	
1	511430106002	Block Group 2, Census Tract 106, Pittsylvania County, Virginia	22%	88	
0	511610303002	Block Group 2, Census Tract 303, Roanoke County, Virginia	17%	80	
0	511610305011	Block Group 1, Census Tract 305.01, Roanoke County, Virginia	15%	76	
0	511610306011	Block Group 1, Census Tract 306.01, Roanoke County, Virginia	7%	47	
0	540079679001	Block Group 1, Census Tract 9679, Braxton County, West Virginia	9%	41	
0	540079679004	Block Group 4, Census Tract 9679, Braxton County, West Virginia	14%	63	
0	540179650003	Block Group 3, Census Tract 9650, Doddridge County, West Virginia	17%	71	
0	540179650004	Block Group 4, Census Tract 9650, Doddridge County, West Virginia	12%	55	
1	540190211003	Block Group 3, Census Tract 211, Fayette County, West Virginia	12%	53	
0	540259503001	Block Group 1, Census Tract 9503, Greenbrier County, West Virginia	24%	88	
0	540259503003	Block Group 3, Census Tract 9503, Greenbrier County, West Virginia	17%	69	
0	540259503004	Block Group 4, Census Tract 9503, Greenbrier County, West Virginia	20%	78	
0	540259505001	Block Group 1, Census Tract 9505, Greenbrier County, West Virginia	15%	66	
0	540330314001	Block Group 1, Census Tract 314, Harrison County, West Virginia	5%	20	
0	540330315001	Block Group 1, Census Tract 315, Harrison County, West Virginia	12%	52	
0	540330317001	Block Group 1, Census Tract 317, Harrison County, West Virginia	19%	77	
0	540330317002	Block Group 2, Census Tract 317, Harrison County, West Virginia	22%	84	
0	540419672001	Block Group 1, Census Tract 9672, Lewis County, West Virginia	14%	62	
1	540419672002	Block Group 2, Census Tract 9672, Lewis County, West Virginia	8%	34	
1	540419676002	Block Group 2, Census Tract 9676, Lewis County, West Virginia	18%	75	
0	540419676003	Block Group 3, Census Tract 9676, Lewis County, West Virginia	22%	86	
1	540639502001	Block Group 1, Census Tract 9502, Monroe County, West Virginia	13%	57	

0	540639502004	Block Group 4, Census Tract 9502, Monroe County, West Virginia	5%	21
0	540639502005	Block Group 5, Census Tract 9502, Monroe County, West Virginia	11%	48
1	540639503001	Block Group 1, Census Tract 9503, Monroe County, West Virginia	13%	56
1	540639503002	Block Group 2, Census Tract 9503, Monroe County, West Virginia	13%	57
1	540679504001	Block Group 1, Census Tract 9504, Nicholas County, West Virginia	14%	62
1	540679504002	Block Group 2, Census Tract 9504, Nicholas County, West Virginia	10%	45
1	540679504003	Block Group 3, Census Tract 9504, Nicholas County, West Virginia	13%	58
0	540679506003	Block Group 3, Census Tract 9506, Nicholas County, West Virginia	8%	34
1	540679506004	Block Group 4, Census Tract 9506, Nicholas County, West Virginia	17%	72
0	540679507001	Block Group 1, Census Tract 9507, Nicholas County, West Virginia	0%	0
1	540890005001	Block Group 1, Census Tract 5, Summers County, West Virginia	9%	43
1	540890006001	Block Group 1, Census Tract 6, Summers County, West Virginia	12%	54
1	540890006002	Block Group 2, Census Tract 6, Summers County, West Virginia	9%	41
1	541019701012	Block Group 2, Census Tract 9701.01, Webster County, West Virginia	26%	91
1	541019701021	Block Group 1, Census Tract 9701.02, Webster County, West Virginia	30%	94
1	541019701022	Block Group 2, Census Tract 9701.02, Webster County, West Virginia	26%	91
0	541019703001	Block Group 1, Census Tract 9703, Webster County, West Virginia	19%	78
0	541030305003	Block Group 3, Census Tract 305, Wetzel County, West Virginia	3%	14
1	541030305004	Block Group 4, Census Tract 305, Wetzel County, West Virginia	17%	71

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b/ Percent of total population. Highlighted cells indicate the percent is 1.2 times or greater than the corresponding state average.

c/ Percentile values are for each state. Highlighted values are in the 80th percentile or higher of the corresponding state.

Affected by Amendment			EJSCREEN Percentage	EJSCREEN Percentile (State) c/	1.2 x State Average
Project a/	FIPS Code	Name	b/		
1	51	Virginia	6%	n/a	7%
1	54	West Virginia	5%	n/a	6%
0	45	Craig County, Virginia	5%	54	
1	67	Franklin County, Virginia	4%	46	
1	71	Giles County, Virginia	5%	53	
1	121	Montgomery County, Virginia	4%	44	
1	143	Pittsylvania County, Virginia	4%	44	
0	161	Roanoke County, Virginia	5%	49	
0	7	Braxton County, West Virginia	5%	55	
0	17	Doddridge County, West Virginia	4%	43	
1	19	Fayette County, West Virginia	5%	59	
0	25	Greenbrier County, West Virginia	5%	57	
0	33	Harrison County, West Virginia	6%	62	
1	41	Lewis County, West Virginia	6%	64	
1	63	Monroe County, West Virginia	5%	52	
1	67	Nicholas County, West Virginia	5%	56	
1	89	Summers County, West Virginia	4%	44	
1	101	Webster County, West Virginia	5%	54	
1	103	Wetzel County, West Virginia	5%	58	
0	510450501002	Block Group 2, Census Tract 501, Craig County, Virginia	3%	29	
1	510670201021	Block Group 1, Census Tract 201.02, Franklin County, Virginia	5%	49	
1	510670202001	Block Group 1, Census Tract 202, Franklin County, Virginia	7%	65	
1	510670202002	Block Group 2, Census Tract 202, Franklin County, Virginia	7%	71	
0	510670204002	Block Group 2, Census Tract 204, Franklin County, Virginia	0%	0	
0	510670204003	Block Group 3, Census Tract 204, Franklin County, Virginia	8%	74	
1	510670205012	Block Group 2, Census Tract 205.01, Franklin County, Virginia	10%	86	
1	510670205021	Block Group 1, Census Tract 205.02, Franklin County, Virginia	4%		
1	510670209011	Block Group 1, Census Tract 209.01, Franklin County, Virginia	7%	66	
1	510719301001	Block Group 1, Census Tract 9301, Giles County, Virginia	3%	26	
1	510719302003	Block Group 3, Census Tract 9302, Giles County, Virginia	9%	79	
0	511210213001	Block Group 1, Census Tract 213, Montgomery County, Virginia	1%	14	
1	511210213002	Block Group 2, Census Tract 213, Montgomery County, Virginia	4%	43	
1	511210214001	Block Group 1, Census Tract 214, Montgomery County, Virginia	0%	0	
1	511210214002	Block Group 2, Census Tract 214, Montgomery County, Virginia	6%	61	
1	511430103022	Block Group 2, Census Tract 103.02, Pittsylvania County, Virginia	2%	24	
1	511430105001	Block Group 1, Census Tract 105, Pittsylvania County, Virginia	0%	0	
1	511430105003	Block Group 3, Census Tract 105, Pittsylvania County, Virginia	1%	12	
1	511430106002	Block Group 2, Census Tract 106, Pittsylvania County, Virginia	1%	13	
0	511610303002	Block Group 2, Census Tract 303, Roanoke County, Virginia	0%	0	
0	511610305011	Block Group 1, Census Tract 305.01, Roanoke County, Virginia	5%	51	
0	511610306011	Block Group 1, Census Tract 306.01, Roanoke County, Virginia	4%	45	
0	540079679001	Block Group 1, Census Tract 9679, Braxton County, West Virginia	0%	0	
0	540079679004	Block Group 4, Census Tract 9679, Braxton County, West Virginia	5%	59	
0	540179650003	Block Group 3, Census Tract 9650, Doddridge County, West Virginia	5%	59	
0	540179650004	Block Group 4, Census Tract 9650, Doddridge County, West Virginia	2%	24	
1	540190211003	Block Group 3, Census Tract 211, Fayette County, West Virginia	5%	58	
0	540259503001	Block Group 1, Census Tract 9503, Greenbrier County, West Virginia	21%	99	
0	540259503003	Block Group 3, Census Tract 9503, Greenbrier County, West Virginia	3%	39	
0	540259503004	Block Group 4, Census Tract 9503, Greenbrier County, West Virginia	0%	0	
0	540259505001	Block Group 1, Census Tract 9505, Greenbrier County, West Virginia	5%	54	
0	540330314001	Block Group 1, Census Tract 314, Harrison County, West Virginia	4%	44	
0	540330315001	Block Group 1, Census Tract 315, Harrison County, West Virginia	1%	17	
0	540330317001	Block Group 1, Census Tract 317, Harrison County, West Virginia	2%	23	
0	540330317002	Block Group 2, Census Tract 317, Harrison County, West Virginia	5%	61	
0	540419672001	Block Group 1, Census Tract 9672, Lewis County, West Virginia	7%	76	
1	540419672002	Block Group 2, Census Tract 9672, Lewis County, West Virginia	2%	25	
1	540419676002	Block Group 2, Census Tract 9676, Lewis County, West Virginia	1%	21	
0	540419676003	Block Group 3, Census Tract 9676, Lewis County, West Virginia	1%	18	
1	540639502001	Block Group 1, Census Tract 9502, Monroe County, West Virginia	1%	19	
0	540639502004	Block Group 4, Census Tract 9502, Monroe County, West Virginia	11%	91	

0	540639502005	Block Group 5, Census Tract 9502, Monroe County, West Virginia	5%	58
1	540639503001	Block Group 1, Census Tract 9503, Monroe County, West Virginia	13%	94
1	540639503002	Block Group 2, Census Tract 9503, Monroe County, West Virginia	4%	48
1	540679504001	Block Group 1, Census Tract 9504, Nicholas County, West Virginia	0%	0
1	540679504002	Block Group 2, Census Tract 9504, Nicholas County, West Virginia	6%	61
1	540679504003	Block Group 3, Census Tract 9504, Nicholas County, West Virginia	5%	57
0	540679506003	Block Group 3, Census Tract 9506, Nicholas County, West Virginia	8%	76
1	540679506004	Block Group 4, Census Tract 9506, Nicholas County, West Virginia	3%	37
0	540679507001	Block Group 1, Census Tract 9507, Nicholas County, West Virginia	0%	0
1	540890005001	Block Group 1, Census Tract 5, Summers County, West Virginia	1%	20
1	540890006001	Block Group 1, Census Tract 6, Summers County, West Virginia	5%	57
1	540890006002	Block Group 2, Census Tract 6, Summers County, West Virginia	4%	41
1	541019701012	Block Group 2, Census Tract 9701.01, Webster County, West Virginia	8%	80
1	541019701021	Block Group 1, Census Tract 9701.02, Webster County, West Virginia	6%	62
1	541019701022	Block Group 2, Census Tract 9701.02, Webster County, West Virginia	1%	19
0	541019703001	Block Group 1, Census Tract 9703, Webster County, West Virginia	4%	42
0	541030305003	Block Group 3, Census Tract 305, Wetzel County, West Virginia	5%	53
1	541030305004	Block Group 4, Census Tract 305, Wetzel County, West Virginia	0%	0

a/ 1 = MVP and part of the amendment project; 0 = MVP and not part of the amendment project

b/ Percent of total population. Highlighted cells indicate the percent is 1.2 times or greater than the corresponding state average.

c/ Percentile values are for each state. Highlighted values are in the 80th percentile or higher of the corresponding state.

Affected by Amendment			EJSCREEN Percentage	EJSCREEN Percentile	1.2 x State Average
Project a/	FIPS Code	Name	b/	(State) c/	
1	51	Virginia	15%	n/a	18%
1	54	West Virginia	20%	n/a	24%
0	45	Craig County, Virginia	22%	73	
1	67	Franklin County, Virginia	23%	77	
1	71	Giles County, Virginia	21%	72	
1	121	Montgomery County, Virginia	13%	40	
1	143	Pittsylvania County, Virginia	23%	75	
0	161	Roanoke County, Virginia	22%	72	
0	7	Braxton County, West Virginia	23%	62	
0	17	Doddridge County, West Virginia	21%	53	
1	19	Fayette County, West Virginia	21%	53	
0	25	Greenbrier County, West Virginia	23%	63	
0	33	Harrison County, West Virginia	19%	47	
1	41	Lewis County, West Virginia	21%	51	
1	63	Monroe County, West Virginia	25%	68	
1	67	Nicholas County, West Virginia	23%	61	
1	89	Summers County, West Virginia	26%	71	
1	101	Webster County, West Virginia	23%	64	
1	103	Wetzel County, West Virginia	24%	65	
0	510450501002	Block Group 2, Census Tract 501, Craig County, Virginia	22%	74	
1	510670201021	Block Group 1, Census Tract 201.02, Franklin County, Virginia	19%	64	
1	510670202001	Block Group 1, Census Tract 202, Franklin County, Virginia	10%	30	
1	510670202002	Block Group 2, Census Tract 202, Franklin County, Virginia	15%	48	
0	510670204002	Block Group 2, Census Tract 204, Franklin County, Virginia	14%	44	
0	510670204003	Block Group 3, Census Tract 204, Franklin County, Virginia	18%	60	
1	510670205012	Block Group 2, Census Tract 205.01, Franklin County, Virginia	19%	64	
1	510670205021	Block Group 1, Census Tract 205.02, Franklin County, Virginia	19%	65	
1	510670209011	Block Group 1, Census Tract 209.01, Franklin County, Virginia	28%	86	
1	510719301001	Block Group 1, Census Tract 9301, Giles County, Virginia	26%	83	
1	510719302003	Block Group 3, Census Tract 9302, Giles County, Virginia	28%	86	
0	511210213001	Block Group 1, Census Tract 213, Montgomery County, Virginia	29%	87	
1	511210213002	Block Group 2, Census Tract 213, Montgomery County, Virginia	15%	51	
1	511210214001	Block Group 1, Census Tract 214, Montgomery County, Virginia	15%	49	
1	511210214002	Block Group 2, Census Tract 214, Montgomery County, Virginia	4%	10	
1	511430103022	Block Group 2, Census Tract 103.02, Pittsylvania County, Virginia	7%	19	
1	511430105001	Block Group 1, Census Tract 105, Pittsylvania County, Virginia	44%	97	
1	511430105003	Block Group 3, Census Tract 105, Pittsylvania County, Virginia	17%	56	
1	511430106002	Block Group 2, Census Tract 106, Pittsylvania County, Virginia	38%	95	
0	511610303002	Block Group 2, Census Tract 303, Roanoke County, Virginia	69%	99	
0	511610305011	Block Group 1, Census Tract 305.01, Roanoke County, Virginia	11%	33	
0	511610306011	Block Group 1, Census Tract 306.01, Roanoke County, Virginia	18%	60	
0	540079679001	Block Group 1, Census Tract 9679, Braxton County, West Virginia	24%	66	
0	540079679004	Block Group 4, Census Tract 9679, Braxton County, West Virginia	21%	53	
0	540179650003	Block Group 3, Census Tract 9650, Doddridge County, West Virginia	18%	39	
0	540179650004	Block Group 4, Census Tract 9650, Doddridge County, West Virginia	18%	41	
1	540190211003	Block Group 3, Census Tract 211, Fayette County, West Virginia	19%	45	
0	540259503001	Block Group 1, Census Tract 9503, Greenbrier County, West Virginia	18%	43	
0	540259503003	Block Group 3, Census Tract 9503, Greenbrier County, West Virginia	23%	64	
0	540259503004	Block Group 4, Census Tract 9503, Greenbrier County, West Virginia	39%	95	
0	540259505001	Block Group 1, Census Tract 9505, Greenbrier County, West Virginia	29%	82	
0	540330314001	Block Group 1, Census Tract 314, Harrison County, West Virginia	10%	10	
0	540330315001	Block Group 1, Census Tract 315, Harrison County, West Virginia	28%	79	
0	540330317001	Block Group 1, Census Tract 317, Harrison County, West Virginia	21%	54	
0	540330317002	Block Group 2, Census Tract 317, Harrison County, West Virginia	20%	50	
0	540419672001	Block Group 1, Census Tract 9672, Lewis County, West Virginia	14%	25	
1	540419672002	Block Group 2, Census Tract 9672, Lewis County, West Virginia	22%	57	
1	540419676002	Block Group 2, Census Tract 9676, Lewis County, West Virginia	17%	38	
0	540419676003	Block Group 3, Census Tract 9676, Lewis County, West Virginia	29%	82	
1	540639502001	Block Group 1, Census Tract 9502, Monroe County, West Virginia	31%	86	
0	540639502004	Block Group 4, Census Tract 9502, Monroe County, West Virginia	21%	55	

0	540639502005	Block Group 5, Census Tract 9502, Monroe County, West Virginia	24%	65
1	540639503001	Block Group 1, Census Tract 9503, Monroe County, West Virginia	29%	82
1	540639503002	Block Group 2, Census Tract 9503, Monroe County, West Virginia	23%	64
1	540679504001	Block Group 1, Census Tract 9504, Nicholas County, West Virginia	35%	91
1	540679504002	Block Group 2, Census Tract 9504, Nicholas County, West Virginia	14%	26
1	540679504003	Block Group 3, Census Tract 9504, Nicholas County, West Virginia	22%	57
0	540679506003	Block Group 3, Census Tract 9506, Nicholas County, West Virginia	27%	74
1	540679506004	Block Group 4, Census Tract 9506, Nicholas County, West Virginia	32%	89
0	540679507001	Block Group 1, Census Tract 9507, Nicholas County, West Virginia	69%	99
1	540890005001	Block Group 1, Census Tract 5, Summers County, West Virginia	23%	63
1	540890006001	Block Group 1, Census Tract 6, Summers County, West Virginia	20%	48
1	540890006002	Block Group 2, Census Tract 6, Summers County, West Virginia	47%	98
1	541019701012	Block Group 2, Census Tract 9701.01, Webster County, West Virginia	36%	93
1	541019701021	Block Group 1, Census Tract 9701.02, Webster County, West Virginia	32%	88
1	541019701022	Block Group 2, Census Tract 9701.02, Webster County, West Virginia	19%	47
0	541019703001	Block Group 1, Census Tract 9703, Webster County, West Virginia	16%	31
0	541030305003	Block Group 3, Census Tract 305, Wetzel County, West Virginia	5%	3
1	541030305004	Block Group 4, Census Tract 305, Wetzel County, West Virginia	32%	88

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b/ Percent of total population. Highlighted cells indicate the percent is 1.2 times or greater than the corresponding state average.

c/ Percentile values are for each state. Highlighted values are in the 80th percentile or higher of the corresponding state.

ATTACHMENT B
Mountain Valley Project Economic Benefits Summary



The Mountain Valley Pipeline (MVP) is an interstate natural gas transmission pipeline spanning 303 miles between Wetzel County, West Virginia, and Pittsylvania County, Virginia. It is designed to provide domestic natural gas supply access to Virginia and other markets in the Mid-Atlantic and Southeastern United States. The MVP project was announced in 2014, received its Certificate of Public Convenience and Necessity in 2017 and began construction in 2018. As of early 2021, total project work is more than 92 percent complete. The project's three compressor stations are 100% complete; the three original certificated interconnects are 100% complete; approximately 80% of the pipeline work is complete, which includes 264 miles of pipe welded and in-place; and approximately 50% of the right-of-way has been fully restored.

ECONOMIC BENEFITS

The MVP project offers short-term economic benefits associated with construction and long-term economic benefits associated with an increased supply of reliable, cleaner, affordable natural gas. In Virginia, Roanoke Gas Company is installing two taps on the MVP in Montgomery and Franklin counties to meet existing and future customer demand for natural gas.

The project offers opportunities for more residents and businesses to switch to natural gas to fuel homes and businesses. Using natural gas for home heating costs about half as much as using propane and is far cleaner than using many other common energy sources such as fuel oil. In February 2021, FTI Consulting calculated MVP's economic benefits as follows:

- » **Direct spending:** With an estimated capital expense of \$5.9 billion, the MVP project anticipates direct spending of \$520 million in Virginia and \$1.58 billion in West Virginia.
- » **Labor & Employment:** The MVP project is estimated to sustain an average of 2,100 construction jobs in Virginia and 3,700 construction jobs in West Virginia through its targeted completion date.
- » **Wages and Benefits:** The MVP project has had a positive impact on wages and benefits to the overall economy, supporting an estimated average of \$59,800 per person in Virginia and \$60,600 per person in West Virginia.
- » **Right-of-Way Payments:** Mountain Valley has paid approximately \$40 million to Virginia landowners and approximately \$85 million to West Virginia landowners to acquire land rights for the MVP project.
- » **Tax Revenue:** Construction of the MVP project is expected to generate additional state and local tax revenue of approximately \$49 million in Virginia and \$82 million in West Virginia.
- » **Ad Valorem Tax Revenue:** Once the MVP is operational, counties along the route will continue to receive tax revenues, generating an estimated \$10 million annually in Virginia and \$35 million annually in West Virginia.

ANNUAL AD VALOREM TAX REVENUE

Virginia Counties

Craig	\$130,000
Franklin	\$3 million
Giles	\$1.7 million
Montgomery	\$2.2 million
Pittsylvania	\$1.8 million
Roanoke	\$1.2 million

West Virginia Counties

Braxton	\$2.7 million
Doddridge	\$1 million
Fayette	\$1 million
Greenbrier	\$3.7 million
Harrison	\$4.8 million
Lewis	\$4.2 million
Monroe	\$4.1 million
Nicholas	\$4.2 million
Summers	\$2 million
Webster	\$3.6 million
Wetzel	\$3.7 million

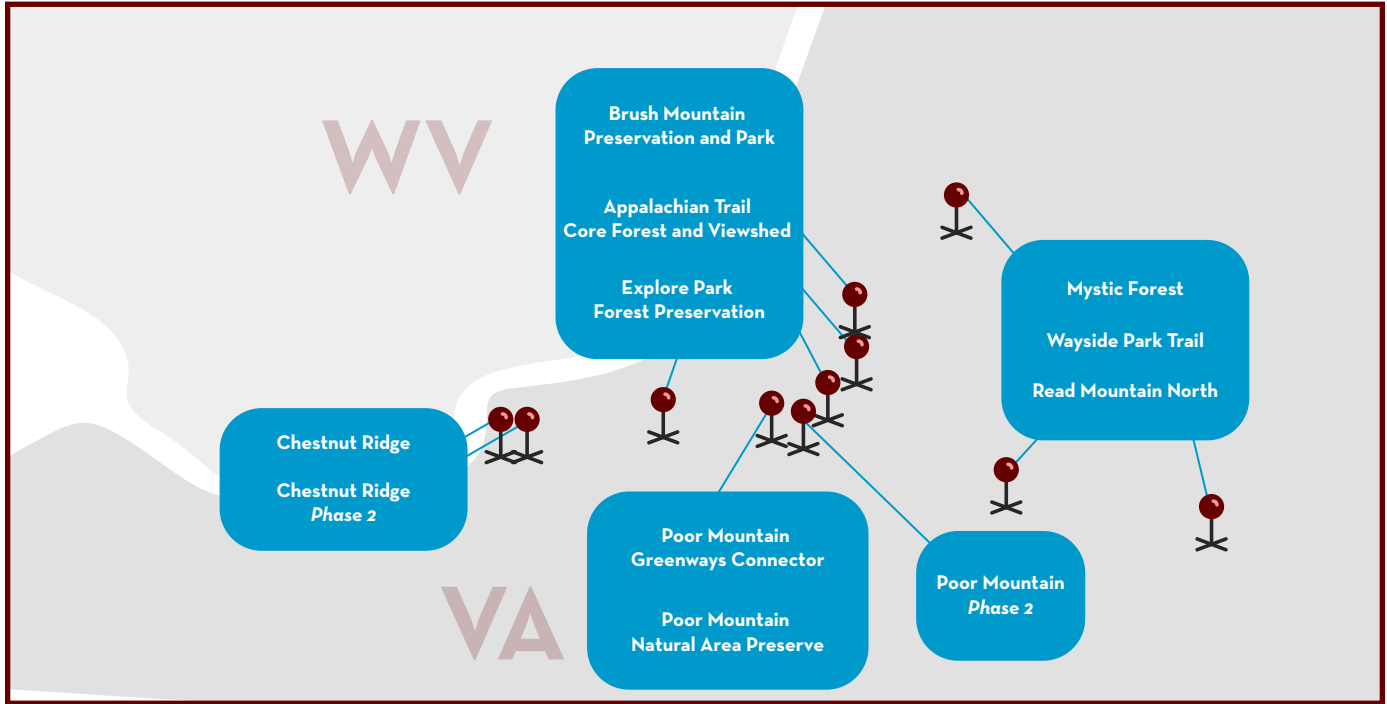
CONSERVATION AND COMMUNITY INVOLVEMENT

Mountain Valley is dedicated to the safety of its communities, employees, and contractors, and to the preservation and protection of the environment. We are committed to being good community partners and have committed funding to preserve more than twice as many acres of land as will be utilized for the long-term operation of the 303-mile MVP project.

Acres purchased for conservation
4,500+

Acres affected by MVP operation
-1,900

Conservation projects supported by MVP funding



HIGHLIGHTS

- » **\$15 million** to the Virginia Outdoors Foundation to fund conservation projects across the commonwealth as part of an agreement with the commonwealth to mitigate MVP's impacts.
- » **\$19.5 million** to the Appalachian Trail Conservancy and The Conservation Fund to conserve additional land along the Appalachian National Scenic Trail corridor and support recreation-based economies in Virginia and West Virginia.
- » **More than \$690,000 in donations** to support local education, workforce development and public safety in communities along the MVP route.
- » **\$3.85 million** to the Virginia Association of Soil and Water Conservation Districts to support state water quality protection, restoration and improvement priorities.
- » **More than \$3.2 million** to support historic districts, the Virginia Historical Society and other historic and cultural sites in West Virginia and Virginia.
- » **More than \$2.1 million** for tree and vegetation planting and monitoring.

The MVP will be constructed and owned by Mountain Valley Pipeline, LLC, a joint venture of affiliates of Equitrans Midstream, NextEra Energy, Altagas, Con Edison and RGC Resources. Equitrans Midstream will operate the pipeline.