



## Greenhouse Gas (GHG) Analysis Program Activity: Transit

STIP: 2027 - 2031 (D)+

MassDot Project ID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG CO2 Impact (kg/yr)	Additional Information
Federal Fiscal Year 2027					
Worcester Regional Transit Authority					
RTD0010855	Worcester Regional Transit Authority: Buy Replacement 40 FT Bus	Quantified	Quantified Decrease in Emissions from Bus Replacement	10,158,732	A total of 23 new replacement hybrid-diesel buses will be purchased over 4 years (2027-2030).
RTD0010856	Worcester Regional Transit Authority: Buy Replacement Support Vehicles	Qualitative	No assumed impact/negligible impact on emissions	0	
RTD0010857	Worcester Regional Transit Authority: Purchase Support Equipment for Fixed Route and Demand Response	Qualitative	No assumed impact/negligible impact on emissions	0	
RTD0010858	Worcester Regional Transit Authority: Purchase Spare Parts for Revenue Rolling Stock	Qualitative	No assumed impact/negligible impact on emissions	0	
RTD0010861	Worcester Regional Transit Authority: Purchase Fixed Route Bus Shelters	Qualitative	No assumed impact/negligible impact on emissions	0	
RTD0010863	Worcester Regional Transit Authority: Renovations and Maintenance to WRTA Hub	Qualitative	No assumed impact/negligible impact on emissions	0	
RTD0010864	City of Worcester: Rehabilitation of Union Station	Qualitative	No assumed impact/negligible impact on emissions	0	
RTD0010878	Worcester Regional Transit Authority: Renovations and Maintenance to WRTA Maintenance and Operations Facility	Qualitative	No assumed impact/negligible impact on emissions	0	
WRTA011645	Worcester Regional Transit Authority - Preventive Maintenance	Qualitative	No assumed impact/negligible impact on emissions	0	
WRTA011646	Worcester Regional Transit Authority - Transportation Planning Services	Qualitative	No assumed impact/negligible impact on emissions	0	
WRTA011648	Worcester Regional Transit Authority - Engineering and Design of WRTA Facilities	Qualitative	No assumed impact/negligible impact on emissions	0	



## Greenhouse Gas (GHG) Analysis Program Activity: Transit

STIP: 2027 - 2031 (D)+

MassDot Project ID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG CO2 Impact (kg/yr)	Additional Information
Federal Fiscal Year 2027					
Worcester Regional Transit Authority					
WRTA012145	Worcester Regional Transit Authority - Purchase and Installation of Bus Stop Signage	Qualitative	No assumed impact/negligible impact on emissions	0	
Worcester Regional Transit Authority				Total GHG Increase (kg/year)	0
				Total GHG Reduction (kg/year)	10,158,732
				Total GHG Difference (kg/year)	10,158,732
2027				Total GHG Increase (kg/year)	0
				Total GHG Reduction (kg/year)	10,158,732
				Total GHG Difference (kg/year)	10,158,732



## Greenhouse Gas (GHG) Analysis Report

### Program Activity: Transit

STIP: 2027 - 2031 (D)+

MassDot Project ID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG CO2 Impact (kg/yr)	Additional Information
Federal Fiscal Year 2028					
Worcester Regional Transit Authority					
RTD0010856	Worcester Regional Transit Authority: Buy Replacement Support Vehicles	Qualitative	No assumed impact/negligible impact on emissions	0	
RTD0010857	Worcester Regional Transit Authority: Purchase Support Equipment for Fixed Route and Demand Response	Qualitative	No assumed impact/negligible impact on emissions	0	
RTD0010858	Worcester Regional Transit Authority: Purchase Spare Parts for Revenue Rolling Stock	Qualitative	No assumed impact/negligible impact on emissions	0	
RTD0010863	Worcester Regional Transit Authority: Renovations and Maintenance to WRTA Hub	Qualitative	No assumed impact/negligible impact on emissions	0	
RTD0010864	City of Worcester: Rehabilitation of Union Station	Qualitative	No assumed impact/negligible impact on emissions	0	
RTD0010878	Worcester Regional Transit Authority: Renovations and Maintenance to WRTA Maintenance and Operations Facility	Qualitative	No assumed impact/negligible impact on emissions	0	
WRTA011645	Worcester Regional Transit Authority - Preventive Maintenance	Qualitative	No assumed impact/negligible impact on emissions	0	
WRTA011646	Worcester Regional Transit Authority - Transportation Planning Services	Qualitative	No assumed impact/negligible impact on emissions	0	
WRTA011648	Worcester Regional Transit Authority - Engineering and Design of WRTA Facilities	Qualitative	No assumed impact/negligible impact on emissions	0	
Worcester Regional Transit Authority				Total GHG Increase (kg/year)	0
				Total GHG Reduction (kg/year)	0
				Total GHG Difference (kg/year)	0
2028				Total GHG Increase (kg/year)	0
				Total GHG Reduction (kg/year)	0
				Total GHG Difference (kg/year)	0



## Greenhouse Gas (GHG) Analysis Report

### Program Activity: Transit

STIP: 2027 - 2031 (D)+

MassDot Project ID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG CO2 Impact (kg/yr)	Additional Information
Federal Fiscal Year 2029					
Worcester Regional Transit Authority					
RTD0010856	Worcester Regional Transit Authority: Buy Replacement Support Vehicles	Qualitative	No assumed impact/negligible impact on emissions	0	
RTD0010857	Worcester Regional Transit Authority: Purchase Support Equipment for Fixed Route and Demand Response	Qualitative	No assumed impact/negligible impact on emissions	0	
RTD0010858	Worcester Regional Transit Authority: Purchase Spare Parts for Revenue Rolling Stock	Qualitative	No assumed impact/negligible impact on emissions	0	
RTD0010863	Worcester Regional Transit Authority: Renovations and Maintenance to WRTA Hub	Qualitative	No assumed impact/negligible impact on emissions	0	
RTD0010864	City of Worcester: Rehabilitation of Union Station	Qualitative	No assumed impact/negligible impact on emissions	0	
RTD0010878	Worcester Regional Transit Authority: Renovations and Maintenance to WRTA Maintenance and Operations Facility	Qualitative	No assumed impact/negligible impact on emissions	0	
WRTA011645	Worcester Regional Transit Authority - Preventive Maintenance	Qualitative	No assumed impact/negligible impact on emissions	0	
WRTA011646	Worcester Regional Transit Authority - Transportation Planning Services	Qualitative	No assumed impact/negligible impact on emissions	0	
WRTA011648	Worcester Regional Transit Authority - Engineering and Design of WRTA Facilities	Qualitative	No assumed impact/negligible impact on emissions	0	
Worcester Regional Transit Authority				Total GHG Increase (kg/year)	0
				Total GHG Reduction (kg/year)	0
				Total GHG Difference (kg/year)	0
2029				Total GHG Increase (kg/year)	0
				Total GHG Reduction (kg/year)	0
				Total GHG Difference (kg/year)	0



## Greenhouse Gas (GHG) Analysis Report

### Program Activity: Transit

STIP: 2027 - 2031 (D)+

MassDot Project ID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG CO2 Impact (kg/yr)	Additional Information
Federal Fiscal Year 2030					
Worcester Regional Transit Authority					
RTD0010855	Worcester Regional Transit Authority: Buy Replacement 40 FT Bus	Qualitative	Qualitative decrease in emissions	0	
RTD0010857	Worcester Regional Transit Authority: Purchase Support Equipment for Fixed Route and Demand Response	Qualitative	No assumed impact/negligible impact on emissions	0	
RTD0010858	Worcester Regional Transit Authority: Purchase Spare Parts for Revenue Rolling Stock	Qualitative	No assumed impact/negligible impact on emissions	0	
RTD0010863	Worcester Regional Transit Authority: Renovations and Maintenance to WRTA Hub	Qualitative	No assumed impact/negligible impact on emissions	0	
RTD0010864	City of Worcester: Rehabilitation of Union Station	Qualitative	No assumed impact/negligible impact on emissions	0	
RTD0010878	Worcester Regional Transit Authority: Renovations and Maintenance to WRTA Maintenance and Operations Facility	Qualitative	No assumed impact/negligible impact on emissions	0	
WRTA011645	Worcester Regional Transit Authority - Preventive Maintenance	Qualitative	No assumed impact/negligible impact on emissions	0	
WRTA011646	Worcester Regional Transit Authority - Transportation Planning Services	Qualitative	No assumed impact/negligible impact on emissions	0	
Worcester Regional Transit Authority				Total GHG Increase (kg/year)	0
				Total GHG Reduction (kg/year)	0
				Total GHG Difference (kg/year)	0
2030				Total GHG Increase (kg/year)	0
				Total GHG Reduction (kg/year)	0
				Total GHG Difference (kg/year)	0



## Greenhouse Gas (GHG) Analysis Report

### Program Activity: Transit

STIP: 2027 - 2031 (D)+

MassDot Project ID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG CO2 Impact (kg/yr)	Additional Information
Federal Fiscal Year 2031					
Worcester Regional Transit Authority					
RTD0010857	Worcester Regional Transit Authority: Purchase Support Equipment for Fixed Route and Demand Response	Qualitative	No assumed impact/negligible impact on emissions	0	
RTD0010858	Worcester Regional Transit Authority: Purchase Spare Parts for Revenue Rolling Stock	Qualitative	No assumed impact/negligible impact on emissions	0	
RTD0010863	Worcester Regional Transit Authority: Renovations and Maintenance to WRTA Hub	Qualitative	No assumed impact/negligible impact on emissions	0	
RTD0010864	City of Worcester: Rehabilitation of Union Station	Qualitative	No assumed impact/negligible impact on emissions	0	
RTD0010878	Worcester Regional Transit Authority: Renovations and Maintenance to WRTA Maintenance and Operations Facility	Qualitative	No assumed impact/negligible impact on emissions	0	
WRTA011645	Worcester Regional Transit Authority - Preventive Maintenance	Qualitative	No assumed impact/negligible impact on emissions	0	
WRTA011646	Worcester Regional Transit Authority - Transportation Planning Services	Qualitative	No assumed impact/negligible impact on emissions	0	
WRTA012146	Worcester Regional Transit Authority - Operating Assistance for Fixed Route and Paratransit Service	Qualitative	No assumed impact/negligible impact on emissions	0	
Worcester Regional Transit Authority			Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	0	
			Total GHG Difference (kg/year)	0	
2031			Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	0	
			Total GHG Difference (kg/year)	0	
2027 - 2031			Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	10,158,732	
			Total GHG Difference (kg/year)	10,158,732	