



State of New Jersey

PHILIP D. MURPHY
Governor

Department of Environmental Protection

CATHERINE R. McCABE
Commissioner

SHEILA Y. OLIVER
Lt. Governor

PROJECT SOLICITATION

OVERALL GOAL

The State of New Jersey, as a beneficiary of the Trust established pursuant to the national Volkswagen settlement, intends to use its allocation from the mitigation trust to efficiently implement projects that reduce oxides of nitrogen (NOx) emissions in a cost effective and technically feasible manner. The implemented projects must meet the criteria of the Consent Decree. New Jersey is issuing this solicitation for project ideas to ensure a broad range of project ideas are considered.

Submissions must contain all the information outlined in the “Project Proposals” section of this document.

ELIGIBLE PROJECTS

A general summary is below. [Click here for comprehensive list and associated definitions.](#)

Source Category	Emission Reduction Strategy	Allowed Expenditure Amount
1. Class 8 local freight trucks & port drayage trucks	Repower and replacement	Up to 40% for repower with diesel or alternative fuel or up to 75% (up to 100% if government owned) for repower with electric. Electric charging infrastructure costs are eligible expense. Up to 25% for replacement with diesel or alternative fuel or up to 75% (up to 100% if government owned) for electric replacement. Electric charging infrastructure costs are eligible expense.
2. Class 4-8 school bus, shuttle bus or transit bus	Repower and replacement	Same as row 1
3. Freight switching locomotives	Repower and replacement	Same as row 1
4. Ferries/Tugs	Repower	Same as row 1
5. Oceangoing vessels	Shorepower	Up to 25% for shore side infrastructure if non-government owned (up to 100% if government owned)

6. Class 4-7 local freight trucks	Repower and replacement	Same as row 1.
7. Airport ground support equipment	Repower and replacement	Up to 75% to repower or replace with electric (up to 100% if government owned). Electric charging infrastructure costs are eligible expense.
8. Forklifts and Port Cargo Handling Equipment	Repower and replacement	Up to 75% to repower or replace with electric (up to 100% if government owned). Electric charging infrastructure costs are eligible expense.
9. Electric vehicle charging stations or hydrogen fueling stations for light duty vehicles only		Up to 100% to purchase, install and maintain infrastructure if available to public at <i>government owned</i> property. Up to 80% to purchase, install and maintain infrastructure if available to public at <i>non-government owned</i> property. Up to 60% to purchase, install and maintain infrastructure at a workplace or multi-unit dwelling that is not available to the general public. Up to 33% to purchase, install and maintain infrastructure for publicly available hydrogen dispensing that is high volume or up to 25% for lower volume.

PROJECT PROPOSALS (Open with Adobe Reader)

Electronic submittals are preferred and should be sent to VWComments@dep.nj.gov however paper submittals will also be accepted and should be sent to:

NJDEP
Division of Air Quality
Mail code 401-02E
Trenton, NJ 08625-0420
Attn: VW Settlement

All proposals must contain the following information; incomplete applications will not be considered. If your project is selected, you may be contacted for additional detailed information. Send questions to VWComments@dep.nj.gov

To enter information electronically use Adobe Reader

CONTACT INFORMATION

Organization Name	Republic Services of New Jersey, LLC
Organization Address	18500 Allied Way
City, State Zip Code	Phoenix, Arizona 85054
Contact Person	Geoff Stayer
Title/Position	Director, State & Local Tax
Phone	(480) 627-7111
E-mail	gstayer@republicservices.com

PROJECT NAME	Republic Services of New Jersey
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PROJECT CATEGORY OR CATEGORIES (choose from 1-9 in "Eligible Projects" section above)									
1 <input checked="" type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>	7 <input type="checkbox"/>	8 <input type="checkbox"/>	9 <input type="checkbox"/>	

PROJECT PRIORITY	Priority # 1	of 1	proposals
If submitting more than one proposal, what is the sponsor's priority of this proposal?			

PROJECT BUDGET	\$ 5,136,560.08
Provide total estimated project budget, include source and amount of cost share if applicable.	
Republic Services is asking for \$437,000 or 8.5% of the project cost for the replacement of 19 refuse trucks. Republic's cost share is \$4,699,560. (See Attachment A for vehicle quotes)	

PROJECT DESCRIPTION (Briefly describe the project by completing the following questions)
Geographic area where emissions reductions will occur? Hunterdon, Burlington, Middlesex and Monmouth counties
Estimated size of population benefitting from the emission reductions? 2,042,804 (Attachment B)
Estimated useful life of the project? 15
Number of engines/vehicles/vessels/equipment included in the project? 19
Estimated emission benefits should be expressed in tons per year (TPY) of emission reduced for NOx and for PM 2.5 over the lifetime of the project. Identify methodology used. Estimated NOx benefits? 5.101 TPY Methodology Used? EPA Diesel Emissions Quantifier Particulate matter (PM 2.5) benefits? 0.2434 TPY Methodology Used? EPA Diesel Emissions Quantifier
Will the project benefit one or more communities that are disproportionately impacted by air pollution? If so, please describe. The project will result in a combined NOx and PM 2.5 reduction of 5.34 tons per year across the four counties which are all deemed nonattainment areas. (Continued on Supplemental Page 1)

<p>Project partners, if any?</p> <p>Republic Services will not have any project partners. Republic owns and operates the refuse trucks under service contracts.</p>
<p>Explain how the project will provide cost effective and technically feasible emission reductions. Cost effectiveness should be expressed in dollars per ton per year of emissions reduced for NOx and for PM 2.5.</p> <p>This project would replace 19 refuse trucks (engine model year 1998-2009) in Hunterdon, Burlington, Middlesex and Monmouth counties. It would reduce NOx by 5.1 tons per year and PM 2.5 by 0.24 tons per year for a total emission reduction of 5.34. tons per year. Republic is requesting \$437,000 in funding, which equates to a \$85,669 per ton of NOx and \$1,795,399 per ton of PM 2.5 emissions reduced annually. The total cost effectiveness is \$81,768 per ton of emissions reduction annually.</p>
<p>Estimated timeframe for implementation? Include a project timeline that identifies start and end dates, as well as the timeframe for key milestones.</p> <p>Vehicles will be purchased and delivered after the grant awards have been announced and continue through 2019. It is Republic Services internal policy to scrap vehicles within 90 days of the delivery of the new replacement vehicle, at which point evidence of the old vehicle scrapping can be provided.</p>
<p>Demonstrated success in implementing similar projects?</p> <p>Republic Services is the second largest provider of non-hazardous waste collection, transfer, disposal, recycling, and energy services within the United States, as measured by revenue. As such, Republic Services has deep experience with the vehicle attrition and purchase process and has recent experiences with similar types of funding programs for alternative fuel vehicles throughout the country. (Please see supplemental page 2 for more details)</p>
<p>If your proposed project involves alternative fuels, provide a demonstration of current or future plans to provide adequate refueling infrastructure.</p> <p>The proposed project does not involve alternative fuels.</p>
<p>Has your organization been approved to receive and expend any other grant funds related to this project? If so, please provide details.</p> <p>Republic has not been approved to receive or expend any other grant funds related to this specific project.</p>
<p>Please provide any additional information that supports this project.</p>

Two additional pages have been provided as supplemental space to answer any of the questions above.

**Will the project benefit one or more communities that are disproportionately impacted by air pollution?
If so, please describe. (Continued)**

Republic's vehicles are used in both commercial areas as well as residential neighborhoods. As a result of replacing older vehicles with lower and near zero emission vehicles, Republic Services will be directly impacting the emission levels in residential areas where people live – including vulnerable children and seniors. The vehicles associated with the project currently operate within Hunterdon, Burlington, Middlesex and Monmouth Counties and the replacement vehicles will continue to operate in these areas.

As of November 30, 2018, Burlington was identified as a marginal nonattainment area for 8-Hr Ozone (2015) as part of the New York-N, New Jersey-Long Island, NY-NJ-CT area (Attachment C). This area had a population of 448,596 in 2017 (Attachment B). As part of the same area, Hunterdon, Middlesex and Monmouth counties were identified as moderate nonattainment areas for 8-Hr Ozone (Attachment C) with populations of 125,059, 842,798 and 626,351, respectively (Attachment B). Replacing the diesel vehicles in the company's fleet will greatly reduce emissions of pollutants and greenhouse gases, thereby improving the environmental impact. This ties directly with the mission of the New Jersey Department of Environmental Protection.

According to the EPA's Environmental Justice Mapping and Screening Tool (EJSCREEN), Hunterdon County is in the 65th percentile and Burlington and Monmouth are both in the 64th percentile for percentage of adults over the age of 64 in New Jersey. This population will directly benefit from the reduction of fleet emissions, which, if left untreated, can magnify health issues among the elderly. Additionally, Middlesex county is in the 77th percentile statewide for traffic volume and proximity, and rates in the upper percentiles for various other environmental justice indicators (See the EJSCREEN reports for each county in Attachment D).

Demonstrated success in implementing similar projects? (Continued)

The company, or its subsidiaries, have recently applied for diesel emissions reduction incentive funding programs in Nevada and Ohio. The Ohio EPA awarded funding to replace 32 diesel trucks with new diesel and CNG vehicles through the Ohio Diesel Emissions Reduction Grant (DERG) and Alternative Fuel Transportation programs. Additionally, the Nevada Department of Conservation and Natural Resources awarded diesel emission mitigation funding to replace 5 diesel trucks with new CNG vehicles.

For projects such as this, Republic first identifies the vehicles that are candidates for replacement and the vehicles they intend to replace them with in the calendar year prior to the purchase. In the year of purchase, budgets are verified and the purchases are typically completed in the summer and fall. Owing to its ongoing fleet maintenance needs, the Company purchases hundreds of vehicles each year. As a result, the Company has personnel with extensive experience in identifying replacement vehicles and achieving internal emission reduction goals through the purchase of new and alternative fuel vehicles, establishing capital expenditure budgets, and sourcing vendors who can deliver vehicles on time and on the established price point. Upon delivery, Republic Services has personnel in place to scrap vehicles within 90 days as required by the Company's internal policies.

Attachment A

New Jersey Volkswagen Mitigation Trust Project Submission

Documentation Supporting Vehicle Quotes (Attachment A)

New Vehicle Estimates

Republic Services has requested funding to purchase 19 new diesel vehicles operating in four New Jersey counties. The costs of the new vehicles is supported by the quotes in Attachment A which are organized into 7 different body/chassis configurations (labeled Group A-G). The table below summarizes the price information from the attached quotes, the number of vehicles to be purchased for each configuration, and the per-vehicle and total prices.

Summary Table of New Vehicle Costs					
Quote Group	Body	Chassis	Total per Unit	Number of Units	Total Cost
Group A	\$48,483.10	\$135,086.02	\$183,569.12	5	\$917,845.60
Group B	\$125,638.00	\$143,889.22	\$269,527.22	2	\$539,054.44
Group C	\$124,238.00	\$143,889.22	\$268,127.22	2	\$536,254.44
Group D	\$188,494.60	\$161,278.34	\$349,772.94	4	\$1,399,091.76
Group E	\$133,438.00	\$143,745.86	\$277,183.86	2	\$554,367.72
Group F	\$140,419.00	\$159,415.78	\$299,834.78	1	\$299,834.78
Group G	\$137,288.00	\$159,415.78	\$296,703.78	3	\$890,111.34
				19	\$5,136,560.08

DATE	Form Type	Customer #:	Cust. #
12/7/2018	Type	Customer Name:	Drop Down List of Customer Names
	Outside Sales Person	Contact Name:	
	Peyton Cox	Address:	Address 1
		Address:	Address 2
	Inside Sales Person	SHIP TO ADDRESS:	
	Annette Brandt		
US-OR-174-10			

Qty	Category	Mnt Type	Model/Option	DESCRIPTIONS	EXT. \$
1	H1 - TA U-Series Cable	BLD	US-OR-174-10	TANDEM AXLE--60k--174 MODELS--Outside Rollers, Outside Rail	\$ 35,328
1	MOUNTING	FM	TAMTG	FACTORY MOUNT - Tandem Axle Hoist--Includes Huck Bolts, Dual Viscosity Oil, Two Part Epoxy Primer & Paint	Std. Incl. in Base
1	TARPS	BOTH	900INT	Pioneer Strong-Arm Rack n' Pinion RP4500SARG (Hydraulic Gantry) - A4319 (cable) 226604 (hook) - Integrated (3) Spool Galbreath Valve and Diverter Included	Std. Incl. in Base
1	TARPS	FM	INT INST	FACTORY MOUNT - Installation and Integration of Pioneer Tarping Systems (parts and labor; tarp system separate) - (Includes Offset Mounting Platform for Tarper and Valve & Galbreath Fender Mounting Brackets)	Std. Incl. in Base
1	HOLD DOWNS	FM	NSHD	FACTORY MOUNT - Built with Nylon Rear Hold Downs w/ winch bar in Lieu of Stationary Rear Hold Downs (parts and labor) - 4530BO - Includes Deduct for Stationary Rear Hold Downs	Std. Incl. in Base
1	OPERATION CONTROLS	FM	EXTH	FACTORY MOUNT - External Throttle Up Switch @ Main Control Valve - (parts and labor) - Only available on MACK chassis; consult ENG for clarification	Std. Incl. in Base
1	TOOLBOXES	BOTH	G022	Steel Toolbox - 18" X 18" X 36" - Opens from the Front - 229307 - Standard Toolbox Option - Toolbox Mounting Brackets Included	Std. Incl. in Base
1	TOOLBOXES	FM	TINST	FACTORY MOUNT - Install Toolbox on Hoist when hoist comes with a Side Mount Oil Reservoir using Combo Brackets - (labor only) - 2260W & 0340BO - U/AH-Series Cables and Hook Hoists Only	Std. Incl. in Base
1	PTO's/PUMPS	BOTH	PT08	U/AH-Series - SHIP OUT - Parker 890 Extended Shaft WS PTO for (Allison direct mount) Automatic Transmission - Includes Pump Upgrade - Hot Shift - 221995 (For factory mounting ADD option PTO INST) (Waste Management Spec. ONLY)	Std. Incl. in Base
1	PTO's/PUMPS	FM	PTO INST	FACTORY MOUNT - Any PTO option pick (labor only)	Std. Incl. in Base
1	LIGHTING	FM	RSLT	FACTORY MOUNT - RS Specific LED Lighting Package - Kit Includes: Special Power Tower; (1) Hi-Vis Light Pkg & (2) additional - 4" Work Lights mounted in (recessed in) bumper - (parts and labor)	Std. Incl. in Base
1	HYD/WET KITS	FM	IN H025	FACTORY MOUNT - Installation of High Pressure Filter Kit (Parts and Labor: Includes Hoses, Fittings, Mount Bracket: 50 GPM max. & 6,000 psi max.) - 211919	Std. Incl. in Base
1	HYD/WET KITS	BLD	FCTR	UPCHARGE for Filter Cart Ready Oil Reservoir w/ Fittings	Std. Incl. in Base
1	SAFETY	FM	INS013	FACTORY MOUNT - Hoist Up In Cab Audible Alarm - (parts and labor)	Std. Incl. in Base
1	SAFETY	FM	34CC	FACTORY MOUNT - 20 lb. Fire Extinguisher Mounted on Top Of Outside Controls Protective Cover - A4016 - (parts and labor)	Std. Incl. in Base
1	SAFETY	FM	SPEE1	FACTORY MOUNT - Hoist Up Ground Speed Control and PTO Rev Control Programming - This is for Software Programming Only - Chassis not Equipped with Proper Wiring Harnesses will Incur Additional Cost	Std. Incl. in Base
1	MISC.	FM	DECLRS	FACTORY MOUNT - Installation of Republic Spec. Decal Kit (parts and labor)	Std. Incl. in Base
1	MISC.	BLD	INST 24E	FACTORY MOUNT - Rear Window Screen Mounted to Tarper Gantry w/ Brackets - 6125BO - (parts and labor)	Std. Incl. in Base
1	FENDERS	BOTH	5E	Contoured Poly Tri-Axle Fenders w/ Brackets for Axle Spread Range of 52"-53" on Cable Hoists - Specify Tandem Axle Spread - 6915AO	\$ 850
1	FENDERS	FM	3INFND	FACTORY MOUNT - Installation of Tri-Axle Fenders - (labor only; add to option picked)	\$ 372
1	SUSPENSION & LIFT AXLES	BOTH	36H	13,000 lb. Non-Sterable 2-Tire Hendrickson - A5997 - Use with Rod Cylinders and Quad Axles - INSTALLED	\$ 6,079
1	RIMS & TIRES	FM	36LA-2	FACTORY MOUNT - (2) Tires with Aluminum Rims 11R-22.5-H - 16 Ply - 10 Hole Hub Piloted - (parts and labor) - For Lift Axles Only	\$ 2,441
1	SAFETY	BOTH	34CJ	DOT Approved Roadside Reflector Kit - Required if the Vehicle Breaks Down - A4012	\$ 22

SUMMARY:	List Price	Ext. Disc. Price	SPECIAL INSTRUCTIONS:
Additional Discount		\$1,804	
Disc. Subtotal		\$45,092	
Subtotal Discounted Price (before taxes/fees)		\$ 43,288.48	Are There Any Special Instructions?
**Prices are subject to change			
CNG/LNG Fuel Fill (Mkt price - no tax applied)			
Is Freight Taxable? TOTAL FREIGHT:	0.0%	\$ -	FREIGHT CALCULATION: **Prices are subject to change
Sales Tax %	0.0%	\$ -	Miles from Start - IN 0
FET 12%	12.0%	\$ 5,194.62	multiply by RATE:
**Please add all applicable taxes Tax Subtotal:		\$ 5,194.62	multiply by # of LOADS: 1
Steel Surcharge **Prices are FOB Winamac, IN	0.0%	\$0	
Tariff Surcharge **Prices are FOB Winamac, IN	0.0%	\$0	
Quantity Quoted:		1	
Total		\$ 48,483.10	

DISCLAIMERS:

Our quote is a good faith estimate, based on our understanding of your needs. Subject to our acceptance, your Order is an offer to purchase our products and services in accordance with the Wastequip Terms and Conditions, including our limited warranties, the terms of which are incorporated herein by reference, which constitutes the entire agreement between the parties. The Wastequip Terms and Conditions are available on our website at: <http://www.wastequip.com/terms-conditions.cfm>. Our pricing is based on your anticipated Order, including product specifications, quantities and timing - any differences to your order may result in different pricing. Due to volatility in petrochemical, steel and related product material markets, actual prices, as well as freight, are subject to change and will be confirmed prior to acceptance of an Order. Unless otherwise stated, materials and container sizes indicated on sales literature, invoices, price lists, quotations and delivery tickets are nominal sizes and representations - actual volume, Products and materials are subject to manufacturing and commercial variations and Wastequip's practices, and may vary from nominal sizes and materials. All prices are in US dollars; this quotation may not include all applicable taxes, brokerage fees or duties. Wastequip, Toter, Galbreath, Cusco, Accurate, Mountain Tarp, Pioneer, and Go 2 Parts/Parts Place are registered trademarks, trade names and subsidiaries of Wastequip, LLC.

Vanguard New Mack Truck Analysis Sheet

Date: **12/7/2018**
Salesman: **Fleet Sales**
Customer: **Republic Services of New J**
Contact: _____
Address: 1200 N. Irving Street
City, State Zip: **Allentown, PA, 18109-3321**
Phone #: _____
Email: _____
Year: **2019**
Make: **Mack**
Model: **GU8-02M-261-MP7**
Quantity: _____
VIN #: **Galbreath Roll Off**
Stock#: _____
Body Type: **Roll Off**
Cab Color: **Blue**
License Type: _____
License Wt: _____
Vocational Code: _____
S.A. Control #: _____
Finance Co: _____
Contact: _____
Phone #: _____
Insurance Co: _____
Contact: _____
Phone #: _____

(Salesman Signature)

(Sales Mgr. Signature)

(F&I Mgr. Signature)

(GM Signature)

Chassis List	\$	
Total Chassis Net	\$	0.00
Factory List	\$	
Options Net	\$	0.00
Misc Net	\$	
Other Surcharges	\$	
Holdback	\$	0.00
Net Chassis and Extras	\$	0.00
Freight	\$	0.00
Factory Sales Assistance		0.00
Factory Rebates	\$	
Total Invoice	\$	0.00
Addtl Sales Assistance		0.00
Special Rebates	\$	0.00
Total Price	\$	0.00
Doc Fee	\$	250.00
Pack	\$	0.00
Locals	\$	120,911.00
Fret Exclusions	\$	0.00
Cost of Sale (Plus O.A. if any)	\$	121,161.00
Profit	\$	
Truck Price	\$	121,161.00
Trade Allowance	\$	0.00
Sales Price Less Trade	\$	121,161.00
Tire Tax Credit	\$	614.30
FRET	12%	13,925.02
Sales Tax (+ Emission Surcharge)	0.00%	0.00
Ad Valorem	0.0000%	0.00
License Fee	\$	
Title and Transfer Fees	\$	0.00
Total Due	\$	135,086.02
Prepayment	\$	0.00
Total Balance Due	\$	135,086.02
Total Profit	\$	-
Commission %:		35%
Percent Profit:		0.00%

Excluded From Federal Tax	
Protection Plan	\$
Bulldog Protection Plan	\$
Other	\$
Other	\$
Other	\$
Fret Exclusions	\$ 0.00

Additional Locals	
Prep: RO#	\$ -250.00
Other: Truck Price	\$ 121161.00
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Total Additional Locals:	\$ 120911.00

Trade Info:	
Year	Trade Payoff \$
Make	Actual Trade Value \$
Model	Overallowance \$
Vin #	Net Allowance \$ 0.00
Mileage	
Stock#	

Commission Due: \$ -
Flat Commission: _____

rev012215



Vanguard Truck Center of Houston

5216 N. McCarty Houston TX 77013

Ph (713) 673-1444 Fax (713) 673-7354

New Vehicle Quotation Form

12/7/2018

(DATE)

Republic Services of New Jersey, LLC

(PURCHASER)

1200 N. Irving Street

(ADDRESS)

Allentown, PA, 18109-3321

(CITY, STATE, ZIP)

0

(CONTACT)

0

(EMAIL)

0

(TELEPHONE)

2019 Mack GU8-02M-261-MP'

Sales Price \$ 121,161.00

Federal Retail Excise Tax \$ 13,925.02

Net Trade Allowance (\$ 0.00)

Sales Tax (Includes Emission Surcharge) \$ 0.00

Ad Valorem Tax \$ 0.00

License Fee: Type 0 Wt. 0 \$ 0.00

Title and Transfer Fees 0.00

Total Price \$ 135,086.02

Total Del. Price for 0 Vehicles \$ 0.00

VIN # Galbreath Roll Off

Engine Mack MP7 11Ltr

Transmission mDRIVE TMD 12 AO

Fr. Axle FXL20 20000 LB

Rr. Axle S462R 46000 LB

Suspension Hendricks HMX460

Ratio 3.98

Wheelbase 261


Color BLUE




Additional Comments:

Thank you for allowing me to quote your trucking needs!
Fleet Sales

Republic Services Quote	
Date	11/28/2018
Number of Units	2
Specification	Half/Pack Odyssey Commercial
Contact Name	Mike Democi
Phone Number	732-524-8534
Sold To:	Republic Services of New Jersey, LLC
Address	1861 Wayside Road
City and State	Tinton Falls, NJ 07724
Legal Entity	Republic Services of New Jersey, LLC
Division #	3273
Order Line #	19MH142-3
PO Number	TBD
Decals:	
City, State	Tinton Falls, NJ
DOT	771542
Unit #	1251 and 1252
Chassis Arrival Date	1/25/2019
Chassis Make/Spec	Mack MRU
Chassis Model/GSO	MRU-12
Chassis VIN(s)	
Exhaust	Please Advise
Transmission	4500RDS
Chassis Drive	Left Hand Drive Only
Wheelbase	210
CNG	No
TOTAL Body Price INCLUDES FET AND SHIPPING, BUT DOES NOT INCLUDE SALES TAX	\$251,277

**Half/Pack® Odyssey™ Commercial**
High Compaction Commercial Front Loader



Quote Provided By:
Brandon Volner

***2019 Spec changes highlighted in Yellow**

1M2TE1GC4KM003091 - Unit # 1252
1M2TE1GC4KM003088 - Unit # 1251

Heil Standard Equipment Features included in Base Price	
<ul style="list-style-type: none">• Sliding top door• Hinged and completely sealed left-side body access door with Step and Grab Handle• Full aluminum cab shield w ith air cylinder assisted raise• Under hopper liquid sump w ith 2 clean-out doors• Body service props for service hoist models and service lift• Tailgate service props• Fully automatic Shur-Lock™ tailgate locks• Patented clamp-on arms• 8,000 lb. capacity arms - WASTEC WRP 06-1996 rated• Four arm shaft bearing supports• Fork cross shaft rubber bumpers• Bolt-on rubber arm stops• Heavy-duty forks - 1.5" thick x 59" grip length• PTO Mounted load-sense piston pump• Crossed packing cylinders• Chrome-plated cylinder rods and telescopic sleeves• Chassis frame-mounted aluminum oil tank w ith level / temperature gauge and suction shut-off valve• 3-micron return line filter w ith magnetic trap and in-cab filter bypass monitor• High pressure filter kit• 100-micron suction line strainer• Fabric guard hose protection for all high-pressure hoses• Cortex Controller™ with InSight™ diagnostic display with integrated 3rd Eye camera feed• Throttle advance kit• Left hand single joystick• Complete array of in-cab function indicator lights• 5 lb. In-Cab Fire Extinguisher• Solid state control panel• Streetw ise Hydraulics™• Body Hydraulic Pressure Alarm	<ul style="list-style-type: none">• Backup Alarm• Hopper Flood Light• Low oil level sensor light, buzzer, and pump shut-off• Severe-duty w ear bar kit• 3" sump drain on street side and curb side• Remote packer lube kit• Remote I/O for Tailgate Valve• Shovel kit mounted on back of the packer• Arm / Fork over height w arning kit• Backup and license plate light• LED center-mounted brake light• LED duplicate high and low mount stop, turn, and tail lights• LED mid-body turn signals• Strobe light, amber mounted on low er tailgate - in-cab switch, pump on, and reverse• Front and rear mud flaps - anti-sail / anti-splash• Rear underride guard• 20 lb. fire extinguisher• FMVSS #108 clearance lights & reflectors• ICC reflective tape• Rear camera bracket and flood lights - reverse activated• Body undercoating• Customer's choice of one color finish paint from ColorSmart brochur• Standard 1-year w arranty (up to 2,000 Hours of Operation)• ANSI Z 245.1-2012 Compliant• Safety Triangle• Cavity coat and joint sealer• Incab Tailgate Lock Indicator (T/g Prox)• Tailgate lock and closed sensor with in cab indicator and alarm.• Greaseless Tailgate Hinge and Lift Cylinders• Hydraulic Oil Temperature Sensor with Alarm

Base Units Half/Pack Odyssey		
x 28 yard		\$95,352
CHASSIS MUST CONFORM WITH HEIL'S MOST CURRENT CHASSIS SPECIFICATIONS		
Mounting Options		
x Full Factory Mount with Service Hoist (if 5 axle - service lift)		INCLUDED
Deduct for service hoist if a 5 axle truck		(\$1,500)
Power Take Off / Pump Options		
x PTO Mounted Load Sense Piston pump - Includes PTO		INCLUDED
Remote Mount Pump		INCLUDED
Certain transmission / chassis configurations may not have proper clearance to allow direct mount or live power systems driven off of the transmission		
Control Options		
x Left Hand 2-Lever Electric Control in lieu of Multifunction Joystick		INCLUDED
Outside 2-lever controls (Arms, Forks) PLUS switch bank (Pump, TA, Packer) - (558-0004-005)		\$1,899
Lighting and Electrical Accessories		
x Body Side Backing Assist Lights - LED		INCLUDED
x Whelen Tailgate Strobe Kit		INCLUDED
x AWTI Radar Warning System		INCLUDED
x Amber Turn Signal		INCLUDED
x Single LED Container Work Lights - in-cab switch		INCLUDED
x Dual Cab Guard Mounted LED Flood Lights		INCLUDED
x Grote Light Upgrade		INCLUDED
Body Options		
x Curbside Mounted Roof Access Ladder (Only one selection allowed)		INCLUDED
x Hydraulic Oil Tank Quick Disconnect Kit - For use with filter buggy		INCLUDED
x 24" Tool Box Bumper Mount - Aluminum		INCLUDED
x Extendable Broom & Packer Broom and a Packer Shovel		INCLUDED
x Spill Kit in Tool Box		INCLUDED
x Republic White Front Mud flaps		INCLUDED
x Republic Cab Decal Kit		INCLUDED
x Republic Body Decal Kit		INCLUDED
x D-Ring Fall Protection		INCLUDED
x Rear Caution Decal		INCLUDED
x Fender Extensions		INCLUDED
x Sliding Top Door - May not be compatible with roof mounted CNG system		INCLUDED
x No Body Sump Doors		INCLUDED
x No Floor Drain		INCLUDED
x 1.5" Fork Upgrade		INCLUDED
x Wheel Chock Kit - Dual		INCLUDED
x Aluminum Cab Protector		INCLUDED
California Back Up Alarm		\$624
60 Gallon Washout Tank - side mounted - Not available with pusher axle		\$1,578
60 Gallon Washout Tank - rear mounted - Not available with tag axle		\$1,578
Bottom Pocket Adjustable Forks w/ Curotto Commercial Gripper		\$20,294
Hydraulically Adjustable Bottom Pocket Forks		\$8,707
Loadman Fork Scale Kit, Installed		\$18,772
Camera Systems		
All camera systems are mounted with protective camera brackets and twin tailgate flood lights		
CAMERA MONITOR LOCATION WILL BE ROOF MOUNTED; Swivel monitor bracket will be provided for dual drive chassis		
3rd Eye Camera Systems		
x 3rd Eye Double Camera with LCD Color Monitor (Cameras on T/G & RH Alley)		INCLUDED
x Additional Hopper Camera - (229-0003-001)		\$378
Additional Left Hand Alley Camera - (229-0003-005)		\$378
CNG/CNrg Installation		
60 DGE CNrG w/Tank Fill includes install / mount - Includes Front Bumper, Fast Fill and CNrG Decals		\$28,092
75 DGE CNrG w/Tank Fill includes install / mount - Includes Front Bumper, Fast Fill and CNrG Decals		\$31,429
90 DGE CNrG w/Tank Fill includes install / mount - Includes Front Bumper, Fast Fill and CNrG Decals		\$37,915
105 DGE CNrG w/Tank Fill includes install / mount - Includes Front Bumper, Fast Fill and CNrG Decals		\$43,019
CNG Mounting Brackets (Tank Fill, Decal and Installation)		\$4,334
Tag Axle or Pusher Axle Option		
x Tag Axle Spill shield - Prevents debris from collecting on the tag axle		INCLUDED
Pre-Installed Pusher Axle		\$0
Pre-Installed Tag Axle		\$0
13K lb Hendrickson Pusher Steerable Axle - Includes (275/R22 Tires & Alum Wheels)		\$10,151
13K lb Hendrickson Tag Steerable Axle - Includes (275/R22 Tires & Alum Wheels)		\$10,151
13K lb Hendrickson Pusher Non Steerable Axle - Includes (275/R22 Tires & Alum Wheels)		\$9,555
13K lb Hendrickson Tag Non Steerable Axle - Included (275/R22 Tires & Alum Wheels)		\$9,555
13K lb Hendrickson Steerable Tag Axle with Tag Lock		\$12,148
x 20K lb Hendrickson Pusher Steerable Axle		\$10,151
20K lb Hendrickson Tag Steerable Axle		\$10,151
20K lb Hendrickson Pusher Non-Steerable Axle		\$9,555
20K lb Hendrickson Tag Non-Steerable Axle		\$9,555
315 Aluminum Wheels & Tires - Upgrade		\$1,250
315 Aluminum Wheels & Tires - Upgrade		\$1,250
Extended Warranty		
x One (1) Year Complete Body Warranty		INCLUDED
Infinity Series Packer/Eject Cylinders with scrapers and hardened rods to 50 HRC by Rosenboom -		INCLUDED
x Includes Five (5) Year Packer/Eject Cylinder Warranty covering dents and dings		INCLUDED
x Two (2) Year Cylinder Parts Warranty		INCLUDED
Paint Options		
x Republic Blue, Dupont 784083		INCLUDED
TOTALS		
Total Base Body Price with Republic Standard Spec		\$95,352
Options Total		\$12,157
Chassis Mods - WB Lengthing 197 to 210		\$2,972
Total Base Plus Options		\$110,481
FET (Calculated based on Body and Options, Does not include Mount or Warranty)		\$12,740
Freight Each		\$2,418
Total Price per Unit		\$125,638
Number of Units		2
Total Order Price		\$251,277

Vanguard New Mack Truck Analysis Sheet

Date: **12/7/2018**
 Salesman: **Fleet Sales**
 Customer: **Republic Services of Penns**
 Contact: _____
 Address: **3000 E. Hedley Street**
 City, State Zip: **Philadelphia PA, 19137**
 Phone #: _____
 Email: _____
 Year: **2019**
 Make: **Mack**
 Model: **MRU-12**
 Quantity: _____
 VIN #: **Commercial Front Loader**
 Stock#: _____
 Body Type: **Heil**
 Cab Color: **Blue**
 License Type: _____
 License Wt: _____
 Vocational Code: _____
 S.A. Control #: _____
 Finance Co: _____
 Contact: _____
 Phone #: _____
 Insurance Co: _____
 Contact: _____
 Phone #: _____

(Salesman Signature)

(Sales Mgr. Signature)

(F&I Mgr. Signature)

(GM Signature)

Chassis List	\$	
Total Chassis Net	\$	0.00
Factory List	\$	
Options Net	\$	0.00
Misc Net	\$	
Other Surcharges	\$	
Holdback	\$	0.00
Net Chassis and Extras	\$	0.00
Freight	\$	0.00
Factory Sales Assistance		0.00
Factory Rebates	\$	
Total Invoice	\$	0.00
Addtl Sales Assistance		0.00
Special Rebates	\$	0.00
Total Price	\$	0.00
Doc Fee	\$	250.00
Pack	\$	0.00
Locals	\$	128,771.00
Fret Exclusions	\$	0.00
Cost of Sale (Plus O.A. if any)	\$	129,021.00
Profit	\$	
Truck Price	\$	129,021.00
Trade Allowance	\$	0.00
Sales Price Less Trade	\$	129,021.00
Tire Tax Credit	\$	614.30
FRET	12%	14,868.22
Sales Tax (+ Emission Surcharge)	0.00%	0.00
Ad Valorem	0.0000%	0.00
License Fee	\$	
Title and Transfer Fees	\$	0.00
Total Due	\$	143,889.22
Prepayment	\$	0.00
Total Balance Due	\$	143,889.22
Total Profit	\$	-
Commission %:		35%
Percent Profit:		0.00%

Excluded From Federal Tax	
Protection Plan	\$
Bulldog Protection Plan	\$
Other	\$
Other	\$
Other	\$
Fret Exclusions	\$ 0.00

Additional Locals	
Prep: RO#	\$ -250.00
Other: Truck Price	\$ 129021.00
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Total Additional Locals:	\$ 128771.00

Trade Info:	
Year	Trade Payoff \$
Make	Actual Trade Value \$
Model	Overallowance \$
Vin #	Net Allowance \$ 0.00
Mileage	
Stock#	

Commission Due: \$ -
Flat Commission: _____

rev012215



Vanguard Truck Center of Houston

5216 N. McCarty Houston TX 77013

Ph (713) 673-1444 Fax (713) 673-7354

New Vehicle Quotation Form

12/7/2018

(DATE)

Republic Services of Pennsylvania, LLC

(PURCHASER)

3000 E. Hedley Street

(ADDRESS)

Philadelphia PA, 19137

(CITY, STATE, ZIP)

0

(CONTACT)

0

(EMAIL)

0

(TELEPHONE)

Sales Price	\$	<u>129,021.00</u>
Federal Retail Excise Tax	\$	<u>14,868.22</u>
Net Trade Allowance	(\$	<u>0.00</u>)
Sales Tax (Includes Emission Surcharge)	\$	<u>0.00</u>
Ad Valorem Tax	\$	<u>0.00</u>
License Fee: Type <u>0</u> Wt. <u>0</u>	\$	<u>0.00</u>
Title and Transfer Fees		<u>0.00</u>
Total Price	\$	<u>143,889.22</u>
Total Del. Price for <u>0</u> Vehicles	\$	<u>0.00</u>


VIN #	<u>Commercial Front Loader</u>
Engine	<u>Mack MP7, 11Ltr</u>
Transmission	<u>Allison 4500RDS</u>
Fr. Axle	<u>FXL20 20000 LB</u>
Rr. Axle	<u>S462R 46000 LB</u>
Suspension	<u>Hendrickson HMX460</u>
Ratio	<u>4.88</u>
Wheelbase	<u>197</u>
Color	<u>BLUE</u>


Additional Comments:



Thank you for allowing me to quote your trucking needs!
Fleet Sales

Republic Services Quote	
Date	11/28/2018
Number of Units	2
Specification	Half/Pack Odyssey Commercial
Contact Name	
Phone Number	732-524-8534
Sold To:	Republic Services of New Jersey, LLC
Address	5 Industrial Drive
City and State	New Brunswick, NJ 08901
Legal Entity	Republic Services of New Jersey, LLC
Division #	3250
Order Line #	19MH144-5
PO Number	TBD
Decals:	
City, State	New Brunswick, NJ
DOT	771542
Unit #	1249 and 1250
Chassis Arrival Date	12/22/2018
Chassis Make/Spec	Mack MRU
Chassis Model/GSO	MRU-12
Chassis VIN(s)	
Exhaust	Please Advise
Transmission	4500RDS
Chassis Drive	Left Hand Drive Only
Wheelbase	210
CNG	No
TOTAL Body Price INCLUDES FET AND SHIPPING, BUT DOES NOT INCLUDE SALES TAX	\$248,476

**Half/Pack® Odyssey™ Commercial**
High Compaction Commercial Front Loader



Quote Provided By:
Brandon Volner

*2019 Spec changes highlighted in Yellow

1M2TE1GC1KM003131 - Unit # 1250
1M2TE1GC9KM003121 - Unit # 1249

Heil Standard Equipment Features included in Base Price	
<ul style="list-style-type: none">• Sliding top door• Hinged and completely sealed left-side body access door with Step and Grab Handle• Full aluminum cab shield w ith air cylinder assisted raise• Under hopper liquid sump w ith 2 clean-out doors• Body service props for service hoist models and service lift• Tailgate service props• Fully automatic Shur-Lock™ tailgate locks• Patented clamp-on arms• 8,000 lb. capacity arms - WASTEC WRP 06-1996 rated• Four arm shaft bearing supports• Fork cross shaft rubber bumpers• Bolt-on rubber arm stops• Heavy-duty forks - 1.5" thick x 59" grip length• PTO Mounted load-sense piston pump• Crossed packing cylinders• Chrome-plated cylinder rods and telescopic sleeves• Chassis frame-mounted aluminum oil tank w ith level / temperature gauge and suction shut-off valve• 3-micron return line filter w ith magnetic trap and in-cab filter bypass monitor• High pressure filter kit• 100-micron suction line strainer• Fabric guard hose protection for all high-pressure hoses• Cortex Controller™ with InSight™ diagnostic display with integrated 3rd Eye camera feed• Throttle advance kit• Left hand single joystick• Complete array of in-cab function indicator lights• 5 lb. In-Cab Fire Extinguisher• Solid state control panel• Streetwise Hydraulics™• Body Hydraulic Pressure Alarm	<ul style="list-style-type: none">• Backup Alarm• Hopper Flood Light• Low oil level sensor light, buzzer, and pump shut-off• Severe-duty w ear bar kit• 3" sump drain on street side and curb side• Remote packer lube kit• Remote I/O for Tailgate Valve• Shovel kit mounted on back of the packer• Arm / Fork over height w arning kit• Backup and license plate light• LED center-mounted brake light• LED duplicate high and low mount stop, turn, and tail lights• LED mid-body turn signals• Strobe light, amber mounted on low er tailgate - in-cab switch, pump on, and reverse• Front and rear mud flaps - anti-sail / anti-splash• Rear underride guard• 20 lb. fire extinguisher• FMVSS #108 clearance lights & reflectors• ICC reflective tape• Rear camera bracket and flood lights - reverse activated• Body undercoating• Customer's choice of one color finish paint from ColorSmart brochur• Standard 1-year w arranty (up to 2,000 Hours of Operation)• ANSI Z 245.1-2012 Compliant• Safety Triangle• Cavity coat and joint sealer• Incab Tailgate Lock Indicator (T/g Prox)• Tailgate lock and closed sensor with in cab indicator and alarm.• Greaseless Tailgate Hinge and Lift Cylinders• Hydraulic Oil Temperature Sensor with Alarm

Base Units Half / Pack Odyssey		
x 28 yard		\$95,352
CHASSIS MUST CONFORM WITH HEIL'S MOST CURRENT CHASSIS SPECIFICATIONS		
Mounting Options		
x Full Factory Mount with Service Hoist (if 5 axle - service lift)		INCLUDED
Deduct for service hoist if a 5 axle truck		(\$1,500)
Power Take Off / Pump Options		
x PTO Mounted Load Sense Piston pump - Includes PTO		INCLUDED
Remote Mount Pump		INCLUDED
Certain transmission / chassis configurations may not have proper clearance to allow direct mount or live power systems driven off of the transmission		
Control Options		
x Left Hand 2-Lever Electric Control in lieu of Multifunction Joystick		INCLUDED
Outside 2-lever controls (Arms, Forks) PLUS switch bank (Pump, TA, Packer) - (558-0004-005)		\$1,899
Lighting and Electrical Accessories		
x Body Side Backing Assist Lights - LED		INCLUDED
x Whelen Tailgate Strobe Kit		INCLUDED
x AWTI Radar Warning System		INCLUDED
x Amber Turn Signal		INCLUDED
x Single LED Container Work Lights - in-cab switch		INCLUDED
x Dual Cab Guard Mounted LED Flood Lights		INCLUDED
x Grote Light Upgrade		INCLUDED
Body Options		
x Curbside Mounted Roof Access Ladder (Only one selection allowed)		INCLUDED
x Hydraulic Oil Tank Quick Disconnect Kit - For use with filter buggy		INCLUDED
x 24" Tool Box Bumper Mount - Aluminum		INCLUDED
x Extendable Broom & Packer Broom and a Packer Shovel		INCLUDED
x Spill Kit in Tool Box		INCLUDED
x Republic White Front Mud flaps		INCLUDED
x Republic Cab Decal Kit		INCLUDED
x Republic Body Decal Kit		INCLUDED
x D-Ring Fall Protection		INCLUDED
x Rear Caution Decal		INCLUDED
x Fender Extensions		INCLUDED
x Sliding Top Door - May not be compatible with roof mounted CNG system		INCLUDED
x No Body Sump Doors		INCLUDED
x No Floor Drain		INCLUDED
x 1.5" Fork Upgrade		INCLUDED
x Wheel Chock Kit - Dual		INCLUDED
x Aluminum Cab Protector		INCLUDED
California Back Up Alarm		\$624
60 Gallon Washout Tank - side mounted - Not available with pusher axle		\$1,578
60 Gallon Washout Tank - rear mounted - Not available with tag axle		\$1,578
Bottom Pocket Adjustable Forks w/ Curotto Commercial Gripper		\$20,294
Hydraulically Adjustable Bottom Pocket Forks		\$8,707
Loadman Fork Scale Kit, Installed		\$18,772
Camera Systems		
All camera systems are mounted with protective camera brackets and twin tailgate flood lights		
CAMERA MONITOR LOCATION WILL BE ROOF MOUNTED; Swivel monitor bracket will be provided for dual drive chassis		
3rd Eye Camera Systems		
x 3rd Eye Double Camera with LCD Color Monitor (Cameras on T/G & RH Alley)		INCLUDED
x Additional Hopper Camera - (229-0003-001)		\$378
Additional Left Hand Alley Camera - (229-0003-005)		\$378
CNG/CNrg Installation		
60 DGE CNrG w/Tank Fill includes install / mount - Includes Front Bumper, Fast Fill and CNrG Decals		\$28,092
75 DGE CNrG w/Tank Fill includes install / mount - Includes Front Bumper, Fast Fill and CNrG Decals		\$31,429
90 DGE CNrG w/Tank Fill includes install / mount - Includes Front Bumper, Fast Fill and CNrG Decals		\$37,915
105 DGE CNrG w/Tank Fill includes install / mount - Includes Front Bumper, Fast Fill and CNrG Decals		\$43,019
CNG Mounting Brackets (Tank Fill, Decal and Installation)		\$4,334
Tag Axle or Pusher Axle Option		
x Tag Axle Spill shield - Prevents debris from collecting on the tag axle		INCLUDED
Pre-Installed Pusher Axle		\$0
Pre-Installed Tag Axle		\$0
x 13K lb Hendrickson Pusher Steerable Axle - Includes (275/R22 Tires & Alum Wheels)		\$10,151
13K lb Hendrickson Tag Steerable Axle - Includes (275/R22 Tires & Alum Wheels)		\$10,151
13K lb Hendrickson Pusher Non Steerable Axle - Includes (275/R22 Tires & Alum Wheels)		\$9,555
13K lb Hendrickson Tag Non Steerable Axle - Included (275/R22 Tires & Alum Wheels)		\$9,555
13K lb Hendrickson Steerable Tag Axle with Tag Lock		\$12,148
20K lb Hendrickson Pusher Steerable Axle		\$10,151
20K lb Hendrickson Tag Steerable Axle		\$10,151
20K lb Hendrickson Pusher Non-Steerable Axle		\$9,555
20K lb Hendrickson Tag Non-Steerable Axle		\$9,555
315 Aluminum Wheels & Tires - Upgrade		\$1,250
315 Aluminum Wheels & Tires - Upgrade		\$1,250
Extended Warranty		
x One (1) Year Complete Body Warranty		INCLUDED
Infinity Series Packer/Eject Cylinders with scrapers and hardened rods to 50 HRC by Rosenboom -		INCLUDED
x Includes Five (5) Year Packer/Eject Cylinder Warranty covering dents and dings		INCLUDED
x Two (2) Year Cylinder Parts Warranty		INCLUDED
Paint Options		
x Republic Blue, Dupont 784083		INCLUDED
TOTALS		
Total Base Body Price with Republic Standard Spec		\$95,352
Options Total		\$10,907
Chassis Mods - WB Lengthening 197 to 210		\$2,972
Total Base Plus Options		\$109,231
FET (Calculated based on Body and Options, Does not include Mount or Warranty)		\$12,590
Freight Each		\$2,418
Total Price per Unit		\$124,238
Number of Units		2
Total Order Price		\$248,476

Vanguard New Mack Truck Analysis Sheet

Date: **12/7/2018**
 Salesman: **Fleet Sales**
 Customer: **Republic Services of Penns**
 Contact: _____
 Address: **3000 E. Hedley Street**
 City, State Zip: **Philadelphia PA, 19137**
 Phone #: _____
 Email: _____
 Year: **2019**
 Make: **Mack**
 Model: **MRU-12**
 Quantity: _____
 VIN #: **Commercial Front Loader**
 Stock#: _____
 Body Type: **Heil**
 Cab Color: **Blue**
 License Type: _____
 License Wt: _____
 Vocational Code: _____
 S.A. Control #: _____
 Finance Co: _____
 Contact: _____
 Phone #: _____
 Insurance Co: _____
 Contact: _____
 Phone #: _____

(Salesman Signature)

(Sales Mgr. Signature)

(F&I Mgr. Signature)

(GM Signature)

Chassis List	\$	
Total Chassis Net	\$	0.00
Factory List	\$	
Options Net	\$	0.00
Misc Net	\$	
Other Surcharges	\$	
Holdback	\$	0.00
Net Chassis and Extras	\$	0.00
Freight	\$	0.00
Factory Sales Assistance		0.00
Factory Rebates	\$	
Total Invoice	\$	0.00
Addtl Sales Assistance		0.00
Special Rebates	\$	0.00
Total Price	\$	0.00
Doc Fee	\$	250.00
Pack	\$	0.00
Locals	\$	128,771.00
Fret Exclusions	\$	0.00
Cost of Sale (Plus O.A. if any)	\$	129,021.00
Profit	\$	
Truck Price	\$	129,021.00
Trade Allowance	\$	0.00
Sales Price Less Trade	\$	129,021.00
Tire Tax Credit	\$	614.30
FRET	12%	14,868.22
Sales Tax (+ Emission Surcharge)	0.00%	0.00
Ad Valorem	0.0000%	0.00
License Fee	\$	
Title and Transfer Fees	\$	0.00
Total Due	\$	143,889.22
Prepayment	\$	0.00
Total Balance Due	\$	143,889.22
Total Profit	\$	-
Commission %:		35%
Percent Profit:		0.00%

Excluded From Federal Tax	
Protection Plan	\$
Bulldog Protection Plan	\$
Other	\$
Other	\$
Other	\$
Fret Exclusions	\$ 0.00

Additional Locals	
Prep: RO#	\$ -250.00
Other: Truck Price	\$ 129021.00
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Total Additional Locals:	\$ 128771.00

Trade Info:	
Year	Trade Payoff \$
Make	Actual Trade Value \$
Model	Overallowance \$
Vin #	Net Allowance \$ 0.00
Mileage	
Stock#	

Commission Due: \$ -
Flat Commission: _____

rev012215



Vanguard Truck Center of Houston

5216 N. McCarty Houston TX 77013

Ph (713) 673-1444 Fax (713) 673-7354

New Vehicle Quotation Form

12/7/2018

(DATE)

Republic Services of Pennsylvania, LLC

(PURCHASER)

3000 E. Hedley Street

(ADDRESS)

Philadelphia PA, 19137

(CITY, STATE, ZIP)

0

(CONTACT)

0

(EMAIL)

0

(TELEPHONE)

Sales Price	\$	129,021.00
Federal Retail Excise Tax	\$	14,868.22
Net Trade Allowance	(\$	0.00)
Sales Tax (Includes Emission Surcharge)	\$	0.00
Ad Valorem Tax	\$	0.00
License Fee: Type 0 Wt. 0	\$	0.00
Title and Transfer Fees		0.00
Total Price	\$	143,889.22
Total Del. Price for 0 Vehicles	\$	0.00

VIN # 2019 Mack MRU-12

Commercial Front Loader

Engine Mack MP7, 11Ltr

Transmission Allison 4500RDS

Fr. Axle FXL20 20000 LB

Rr. Axle S462R 46000 LB

Suspension Hendrickson HMX460

Ratio 4.88

Wheelbase 197

Color BLUE



Additional Comments:

Thank you for allowing me to quote your trucking needs!
Fleet Sales

Vanguard New Mack Truck Analysis Sheet

Date: **12/7/2018**
Salesman: **Fleet Sales**
Customer: **BFI Waste Services of Penn**
Contact: _____
Address: **372 S Henderson Rd**
City, State Zip: **King of Prussia PA, 19406**
Phone #: _____
Email: _____
Year: **2019**
Make: **Mack**
Model: **LR-14**
Quantity: _____
VIN #: **Side Loader, Dual Drive**
Stock #: _____
Body Type: **Labrie**
Cab Color: **Blue**
License Type: _____
License Wt: _____
Vocational Code: _____
S.A. Control #: _____
Finance Co: _____
Contact: _____
Phone #: _____
Insurance Co: _____
Contact: _____
Phone #: _____

(Salesman Signature)

(Sales Mgr. Signature)

(F&I Mgr. Signature)

(GM Signature)

Chassis List
Total Chassis Net \$ 0.00
Factory List
Options Net \$ 0.00
Misc Net \$ _____
Other Surcharges \$ _____
Holdback \$ 0.00
Net Chassis and Extras \$ 0.00
Freight \$ 0.00
Factory Sales Assistance \$ 0.00
Factory Rebates \$ _____
Total Invoice \$ 0.00
Addtl Sales Assistance \$ 0.00
Special Rebates \$ 0.00
Total Price \$ 0.00
Doc Fee \$ 250.00
Pack \$ 0.00
Locals \$ 144,297.00
Fret Exclusions \$ 0.00
Cost of Sale (Plus O.A. if any) \$ 144,547.00
Profit \$ _____
Truck Price \$ 144,547.00
Trade Allowance \$ 0.00
Sales Price Less Trade \$ 144,547.00
Tire Tax Credit \$ 614.30
FRET 12% 16,731.34
Sales Tax (+ Emission Surcharge) 0.00% 0.00
Ad Valorem 0.0000% 0.00
License Fee \$ _____
Title and Transfer Fees \$ 0.00
Total Due \$ 161,278.34
Prepayment \$ 0.00
Total Balance Due \$ 161,278.34

Total Profit \$ -
Commission %: 35%
Percent Profit: 0.00%

Excluded From Federal Tax
Protection Plan \$ _____
Bulldog Protection Plan \$ _____
Other \$ _____
Other \$ _____
Other \$ _____
Fret Exclusions \$ 0.00

Additional Locals
Prep: RO# \$ -250.00
Other: Truck Price \$ 144547.00
Other: \$ _____
Other: \$ _____
Other: \$ _____
Other: \$ _____
Other: \$ _____
Other: \$ _____
Other: \$ _____
Other: \$ _____
Other: \$ _____
Other: \$ _____
Other: \$ _____
Other: \$ _____
Total Additional Locals: \$ 144297.00

Trade Info: Trade Payoff \$ _____
Year Actual Trade Value \$ _____
Make Overallowance \$ _____
Model Net Allowance \$ **0.00**
Vin # _____
Mileage _____
Stock# _____

Commission Due: \$ -
Flat Commission: _____

rev012215



Vanguard Truck Center of Houston

5216 N. McCarty Houston TX 77013

Ph (713) 673-1444 Fax (713) 673-7354

New Vehicle Quotation Form

12/7/2018

(DATE)

BFI Waste Services of Pennsylvania

(PURCHASER)

372 S Henderson Rd

(ADDRESS)

King of Prussia PA, 19406

(CITY, STATE, ZIP)

0

(CONTACT)

0

(EMAIL)

0

(TELEPHONE)

Sales Price	\$	144,547.00
Federal Retail Excise Tax	\$	16,731.34
Net Trade Allowance	(\$	0.00)
Sales Tax (Includes Emission Surcharge)	\$	0.00
Ad Valorem Tax	\$	0.00
License Fee: Type <u>0</u> Wt. <u>0</u>	\$	0.00
Title and Transfer Fees		0.00
Total Price	\$	161,278.34
Total Del. Price for <u>0</u> Vehicles	\$	0.00

2019 Mack LR-14

VIN # **Side Loader, Dual Drive**

Engine **Mdrive MP7 11Ltr**

Transmission **Allison 4500RDS 6spd**

Fr. Axle **FXL20 20000 LB**

Rr. Axle **S462R 46000 LB**

Suspension **Hendrickson HMX460**

Ratio **4.88**

Wheelbase **246**

Color **BLUE**



Additional Comments:

Thank you for allowing me to quote your trucking needs!
Fleet Sales

Order Confirmation



Final User: Allied Waste Services Of Telford
731 Reliance Rd
Telford, PA, 18969

Date: 12/7/2018
Division #: 4320
DOT #:
PHONE #:

Quote # 0R7201812070851 - Rev 0

PO / VIN / Unit
Unknown / N/A / 19MM070
Unknown / N/A / 19MM072

PO / VIN / Unit
Unknown / N/A / 19MM071

Product Description

Chassis Model CT - Mack Terrapro 64R (Diesel)

Wheel Base 230
Tag Spacing
Pusher Spacing 0

Body Model Model 3213: XC 32 yd Rear Loader

Republic Services Std Option Package (included in base price)

Access Door Ladder, Fold-Up with Shut Down
End Cap Reinforcement
Backup Camera, Center of Tailgate
Third Eye, 7 in. Color Monitor, 1 Camera
#6 Eaton Male QD
Ball Valve Shutoff (yellow handle) on Tank
Hyd Tank Flush QD Fittings: Eaton #16 male, FD45 female
Hydac High Pressure Hydraulic Filter
Hydraulic Filter, Schroeder, in tank
Hydraulic Pump, Vane Type
Mid Tailgate Bar with 7 Whelen Amber Oval Strobes
Broom Holder, Tailgate, Curbside
Broom, One (1)
Mudflaps, Front: Republic Services
Shovel Holder, Tailgate, Curbside
Shovel, One (1)
Spill Kit, 17 gallon
Company ID Markings: Republic Decals
Vehicle Fleet Markings
Safety Triangle Kit in Cab

Additional Selected Options

Aluminum, Dura-Bright Pusher Wheels (2)	\$803
Bridgestone R250 255/70R22.5 (2)	\$265
Hendrickson Composites 13K Non-Steerable Pusher	\$9,082
Rubber Fender Extension	\$287
Qwik-Tip II with 3rd Man 600 Tipper	\$33,321
BP Castrol ISO46 Hydraulic Fluid (Dual Range)	\$398
Locked Filler Cap	\$66
Unused Sections for Cart Tippers: 1	\$1,333
Unused Sections for Container Stop: 1	\$1,333
Unused Sections for Container Tipper: 1	\$1,333
Grote Center Stop Light	\$245
LED, Grote (where applicable)	\$578
Fire Extinguisher, 20 lb., Streetside, Scabbard Mount	\$407
Mudflaps, Rear: Black	\$107
Third Eye Sixth Sense Warning System, Single Sensor	\$1,107
Undercoating: VG104 Body Only	\$581
MTM-Installed Chelsea 897 Ext PTO Con Mesh	\$1,360
Rear-to-Cab Buzzer, Curbside	\$256
Total Additional Selected Options:	\$52,862

Chassis Price (if applicable):	\$0
Base Body Price:	\$60,137
Additional Selected Options:	\$52,862
Selling Price:	\$112,999
Surcharge:	\$3,955
FET:	\$13,673
Estimated Freight*:	\$2,811
Total Unit Price:	\$133,438
Quantity:	1
Total Extended Price:	\$133,438

*Freight Calculated at Invoice per Contract:

Vanguard New Mack Truck Analysis Sheet

Date: **12/7/2018**
Salesman: **Fleet Sales**
Customer: **BFI Waste Services of Penn**
Contact: _____
Address: **731 Reliance RD**
City, State Zip: **Telford PA, 18969**
Phone #: _____
Email: _____
Year: **2019**
Make: **Mack**
Model: **MRU-14**
Quantity: _____
VIN #: **Rear End Loader**
Stock#: _____
Body Type: **McNielus**
Cab Color: **Blue**
License Type: _____
License Wt: _____
Vocational Code: _____
S.A. Control #: _____
Finance Co: _____
Contact: _____
Phone #: _____
Insurance Co: _____
Contact: _____
Phone #: _____

(Salesman Signature)

(Sales Mgr. Signature)

(F&I Mgr. Signature)

(GM Signature)

Chassis List	\$	
Total Chassis Net	\$	0.00
Factory List	\$	
Options Net	\$	0.00
Misc Net	\$	
Other Surcharges	\$	
Holdback	\$	0.00
Net Chassis and Extras	\$	0.00
Freight	\$	0.00
Factory Sales Assistance		0.00
Factory Rebates	\$	
Total Invoice	\$	0.00
Addtl Sales Assistance		0.00
Special Rebates	\$	0.00
Total Price	\$	0.00
Doc Fee	\$	250.00
Pack	\$	0.00
Locals	\$	128,643.00
Fret Exclusions	\$	0.00
Cost of Sale (Plus O.A. if any)	\$	128,893.00
Profit	\$	
Truck Price	\$	128,893.00
Trade Allowance	\$	0.00
Sales Price Less Trade	\$	128,893.00
Tire Tax Credit	\$	614.30
FRET	12%	14,852.86
Sales Tax (+ Emission Surcharge)	0.00%	0.00
Ad Valorem	0.0000%	0.00
License Fee	\$	
Title and Transfer Fees	\$	0.00
Total Due	\$	143,745.86
Prepayment	\$	0.00
Total Balance Due	\$	143,745.86
Total Profit	\$	-
Commission %:		35%
Percent Profit:		0.00%

Excluded From Federal Tax	
Protection Plan	\$
Bulldog Protection Plan	\$
Other	\$
Other	\$
Other	\$
Fret Exclusions	\$ 0.00

Additional Locals	
Prep: RO#	\$ -250.00
Other: Truck Price	\$ 128893.00
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Total Additional Locals:	\$ 128643.00

Trade Info:		Trade Payoff \$
Year		Actual Trade Value \$
Make		Overallowance \$
Model		Net Allowance \$ 0.00
Vin #		
Mileage		
Stock#		

Commission Due: \$ -
Flat Commission: _____

rev012215



Vanguard Truck Center of Houston

5216 N. McCarty Houston TX 77013

Ph (713) 673-1444 Fax (713) 673-7354

New Vehicle Quotation Form

12/7/2018

(DATE)

BFI Waste Services of Pennsylvania, LLC

(PURCHASER)

0

(CONTACT)

731 Reliance RD

(ADDRESS)

0

(EMAIL)

Telford PA, 18969

(CITY, STATE, ZIP)

0

(TELEPHONE)

Sales Price	\$	128,893.00
Federal Retail Excise Tax	\$	14,852.86
Net Trade Allowance	(\$	0.00)
Sales Tax (Includes Emission Surcharge)	\$	0.00
Ad Valorem Tax	\$	0.00
License Fee: Type <u>0</u> Wt. <u>0</u>	\$	0.00
Title and Transfer Fees		0.00
Total Price	\$	143,745.86
Total Del. Price for <u>0</u> Vehicles	\$	0.00

2019 Mack MRU-14

VIN #	Rear End Loader
Engine	Mack MP7, 11Ltr
Transmission	Allison 4500RDS
Fr. Axle	FXL20 20000 LB
Rr. Axle	S462R 46000 LB
Suspension	Hendrickson HMX460
Ratio	4.88
Wheelbase	230
Color	BLUE



Additional Comments:

Thank you for allowing me to quote your trucking needs!
Fleet Sales

Republic Services Quote

Date	11/28/2018
Number of Units	1
Specification	Half Pack Odyssey Residential
Contact Name	Mike Damoci
Phone Number	732-524-8534
Sold To:	Republic Services of New Jersey, LLC
Address	1861 Wayside Road
City and State	Tinton Falls, NJ 07724
Legal Entity	Republic Services of New Jersey, LLC
Division #	3273
Order Line #	19MH054
PO Number	TBD
Decals:	
City, State	Tinton Falls, NJ
DOT	771542
Unit #	2220
Chassis Arrival Date	12/15/2018
Chassis Make/Spec	Mack LR
Chassis Model/GSO	LR-22-DS
Chassis VIN(s)	1M2LR1GC6KM002156
Exhaust	Please Advise
Transmission	4500RDS
Chassis Drive	Dual Drive, Dual Sit
Wheelbase	186
CNG	No
TOTAL Body Price INCLUDES FET AND SHIPPING, BUT DOES NOT INCLUDE SALES TAX	\$140,419



*Curbot Can automated vary on and separately.

Quote Provided By:
Brandon Volner

*2019 Spec review highlighted yellow

Heil Standard Equipment Features included in Base Price

<ul style="list-style-type: none"> • Hinged left-side aluminum body access door with step and grab • Cab shield with hinged rubber tip extension - steel • Front head closure screen with splash guard • Upper hopper liquid sump with 2 clean-out doors • Body service props for servie hoist models and service lift • Tailgate service props • Fully automatic Shur-Lock™ tailgate latches • Patented clamp-on arms • 8,000 lb. capacity arms - WASTEC WRP 06-1996 rated • Four arm shaft bearing supports • Fork cross shaft-rubber bumpers • Bolt-on rubber arm stops • Heavy-duty forks - 1 1/2" thick x 63" grip length • PTO Mounted Load Sense Piston Pump • Chrome-plated cylinder rods and telescopic sleeves • Crossed packing cylinders • Chassis frame-mounted oil tank with level/temperature gauge and suction shut-off valve • 3-micron return line filter with magnetic trap and in-cab filter bypass monitor • 100-micron suction line strainer • Fabric guard hose preotection for all high-pressure hoses • Cortex Controller™ with InSight™ diagnostic display • Throttle advance kit • Left and right-hand single multifunction joystick • Complete array of in-cab function indicator lights • Streetwise Hydraulics™ • Solid state control panel • High pressure filter kit 	<ul style="list-style-type: none"> • Arm rest for operator controls • 5 lb. In-Cab Fire Extinguisher • Backup alarm • LED mid-body turn signals • Strobe light, amber mounted on lower tailgate - in-cab switch, pump on, and reverse activated • Front and rear mud flaps - anti-sail/anti-splash • Rear underride guard • Hopper flood light • Low oil level sensor with light; buzzer, and pump shut-off • Severe-duty wear bar kit • 3" sump drain on street side and curb side • Remote tailgate hinge lube • Arm/Fork over height warning kit • 20 lb. Fire Extinguisher • FMVSS #108 clearance lights and reflectors • ICC reflective tape • Rear camera bracket and flood lights - reverse activated • Body undercoating • Customer's choice of one color finish paint from ColorSmart brochure • Standard 1-year warranty (2,000 Hours of Operation) • ANSI Z 245.1-2012 Compliant • Safety Triangle • Cavity coat and join sealer • Arm guides mounted to front bumper • Forward facing flood lights on cab • Upper arm reinforcement
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Odyssey Standard Features - Piston Pump, 890 PTO, Roll-in Hydraulics, Single Multifunction Joystick on Both Sides, Proportional Valve, Work Lights on Cab

Base Units Half / Pack Odyssey		
x 28 yard		\$100,043
CHASSIS MUST CONFORM WITH HEIL'S MOST CURRENT CHASSIS SPECIFICATIONS		
Mounting Options		
x Full Factory Mount with Service Hoist (if 5 axle - service lift)		INCLUDED
Deduct for service hoist if a 5 axle truck		(\$1,500)
Power Take Off / Pump Options		
x PTO Mounted Load Sense Piston pump - Includes PTO		INCLUDED
Remote Mount Pump		INCLUDED
Certain transmission / chassis configurations may not have proper clearance to allow direct mount or live power systems driven off of the transmission		
Control Options		
x Dual Multifunction Joystick - Left and Right Hand		INCLUDED
Left Hand 2-Lever Electric Control in lieu of Multifunction Joystick		\$437
Outside 2-lever controls (Arms, Forks) PLUS switch bank (Pump, TA, Packer) - (558-0004-005)		\$1,899
Lighting and Electrical Accessories		
x Body Side Backing Assist Lights - LED		INCLUDED
x Whelen Tailgate Strobe Kit		INCLUDED
x AWTI Radar Warning System		INCLUDED
x Amber Turn Signal		INCLUDED
x Single LED Container Work Lights - in-cab switch		INCLUDED
x Dual Cab Guard Mounted LED Flood Lights		INCLUDED
x Grote Light Upgrade		INCLUDED
x Egress Lights		INCLUDED
Automated Option		
x Hopper Seal Brush Kit- Includes sides, Front, and Rear Bristle Hopper Seal Kit - For Curotto Only		INCLUDED
x Remote Curbside Controls - (558-0004-001)		INCLUDED
In-Cab controls for integrated forward work lamps - Forward Work Lamps must be purchased with the Curotto Can		INCLUDED
x Installation of Auto cover controls - Auto cover must be purchased with the Curotto Can		\$1,134
Bayne Carry Can w/ Cart Tipper BTL208		\$6,662
Bayne Controls Only - (546-0002-002)		\$2,922
Body Options		
x Roof Access ladder (Curb Side Rear Bolster)		INCLUDED
x Hydraulic Oil Tank Quick Disconnect Kit - For use with filter buggy		INCLUDED
x 24" Bumper Mounted Aluminum Toolbox		INCLUDED
x Extendable Broom & Packer Broom and a Packer Shovel		INCLUDED
x Spill Kit		INCLUDED
x Republic White Front Mud flaps		INCLUDED
x Republic Cab Decal Kit		INCLUDED
x Republic Body Decal Kit		INCLUDED
x D-Ring Fall Protection		INCLUDED
x Rear Caution Decal		INCLUDED
x Fender Extensions		INCLUDED
x No Body Sump Doors		INCLUDED
x No Floor Drain		INCLUDED
x 1.5" Fork Upgrade		INCLUDED
x Wheel Chock Kit - Dual		INCLUDED
x Aluminum Cab Protector		INCLUDED
California Back Up Alarm		\$624
60 Gallon Washout Tank - side mounted - Not available with pusher axle		\$1,578
60 Gallon Washout Tank - rear mounted - Not available with tag axle		\$1,578
Heavy Duty Sliding Top door - May not be compatible with roof mounted CNG systems		\$4,038
Camera Systems		
All camera systems are mounted with protective camera brackets and twin tailgate flood lights		
CAMERA MONITOR LOCATION WILL BE ROOF MOUNTED; Swivel monitor bracket will be provided for dual drive chassis		
3rd Eye Camera Systems		
x 3rd Eye Double Camera with LCD Color Monitor (Cameras on T/G & LH Cab)		INCLUDED
x Additional Hopper Camera - (229-0003-001)		\$378
Additional Left Hand Alley Camera - (229-0003-005)		\$378
x Additional Right Hand Alley - (229-0003-004)		\$378
CNG / CNrG Installation		
60 DGE CNrG w/Tank Fill includes install / mount - Includes Front Bumper, Fast Fill and CNrG Decals		\$28,092
75 DGE CNrG w/Tank Fill includes install / mount - Includes Front Bumper, Fast Fill and CNrG Decals		\$31,429
90 DGE CNrG w/Tank Fill includes install / mount - Includes Front Bumper, Fast Fill and CNrG Decals		\$37,915
105 DGE CNrG w/Tank Fill includes install / mount - Includes Front Bumper, Fast Fill and CNrG Decals		\$43,019
CNG Mounting Brackets (Tank Fill, Decal and Installation)		\$4,334
Tag Axle or Pusher Axle Option		
x Tag Axle Spill shield - Prevents debris from collecting on the tag axle		INCLUDED
x Pre-Installed Pusher Axle		\$0
Pre-Installed Tag Axle		\$0
13K lb Hendrickson Pusher Steerable Axle - Includes (275/R22 Tires & Alum Wheels)		\$10,151
13K lb Hendrickson Tag Steerable Axle - Includes (275/R22 Tires & Alum Wheels)		\$10,151
13K lb Hendrickson Pusher Non Steerable Axle - Includes (275/R22 Tires & Alum Wheels)		\$9,555
x 13K lb Hendrickson Tag Non Steerable Axle - Included (275/R22 Tires & Alum Wheels)		\$9,555
13K lb Hendrickson Steerable Tag Axle with Tag Lock		\$12,148
20K lb Hendrickson Pusher Steerable Axle		\$10,151
20K lb Hendrickson Tag Steerable Axle		\$10,151
20K lb Hendrickson Pusher Non-Steerable Axle		\$9,555
20K lb Hendrickson Tag Non-Steerable Axle		\$9,555
315 Aluminum Wheels & Tires - Upgrade		\$1,250
315 Aluminum Wheels & Tires - Upgrade		\$1,250
Extended Warranty		
x One (1) Year Complete Body Warranty		INCLUDED
Infinity Series Packer/Eject Cylinders with scrapers and hardened rods to 50 HRC by Rosenboom - Includes		INCLUDED
x Five (5) Year Packer/Eiect Cylinder Warranty covering dents and dings		INCLUDED
x Two (2) Year Cylinder Parts Warranty		INCLUDED
Paint Options		
x Republic Blue, Dupont 784083		INCLUDED

TOTALS		
	Total Base Body Price with Republic Standard Spec	\$100,043
	Options Total	\$21,595
	Chassis Mods - WB Shortening from 197 to 186	\$2,040
	Total Base Plus Options	\$123,678
	FET (Calculated based on Body and Options, Does not include Mount or Warranty)	\$14,323
	Freight Each	\$2,418
	Total Price per Unit	\$140,419
	Number of Units	1
	Total Order Price	\$140,419

Vanguard New Mack Truck Analysis Sheet

Date:	12/7/2018	Chassis List	\$		Excluded From Federal Tax Protection Plan \$ Bulldog Protection Plan \$ Other \$ Other \$ Other \$ Fret Exclusions \$ 0.00
Salesman:	Fleet Sales	Total Chassis Net	\$	0.00	
Customer:	BFI Waste Services of Penn	Factory List	\$		
Contact:		Options Net	\$	0.00	
Address:	731 Reliance Rd	Misc Net	\$		
City, State Zip:	Telford PA, 18969	Other Surcharges	\$		Additional Locals Prep: RO# \$ -250.00 Other: Truck Price \$ 142884.00 Other: \$ Other: \$ Other: \$ Other: \$ Other: \$ Other: \$ Other: \$ Other: \$ Other: \$ Other: \$ Other: \$ Other: \$ Total Additional Locals: \$ 142634.00
Phone #:		Holdback	\$	0.00	
Email:		Net Chassis and Extras	\$	0.00	
Year:	2019	Freight	\$	0.00	
Make:	Mack	Factory Sales Assistance	\$	0.00	
Model:	LR-08-DS	Factory Rebates	\$		Trade Info: Year Actual Trade Value \$ Make Overallallowance \$ Model Net Allowance \$ 0.00 Vin # Mileage Stock#
Quantity:		Total Invoice	\$	0.00	
VIN #:	Front Loader, Dual Drive Dr	Addtl Sales Assistance	\$	0.00	
Stock#:		Special Rebates	\$	0.00	
Body Type:	McNeilus	Total Price	\$	0.00	
Cab Color:	Blue	Doc Fee	\$	250.00	Commission Due: \$ - Flat Commission:
License Type:		Pack	\$	0.00	
License Wt:		Locals	\$	142,634.00	
Vocational Code:		Fret Exclusions	\$	0.00	
S.A. Control #:		Cost of Sale (Plus O.A. if any)	\$	142,884.00	
Finance Co:		Profit	\$		Commission Due: \$ - Flat Commission:
Contact:		Truck Price	\$	142,884.00	
Phone #:		Trade Allowance	\$	0.00	
Insurance Co:		Sales Price Less Trade	\$	142,884.00	
Contact:		Tire Tax Credit	\$	614.30	
Phone #:		FRET	12%	16,531.78	Commission Due: \$ - Flat Commission:
		Sales Tax (+ Emission Surcharge)	0.00%	0.00	
		Ad Valorem	0.0000%	0.00	
		License Fee	\$		
		Title and Transfer Fees	\$	0.00	
		Total Due	\$	159,415.78	Commission Due: \$ - Flat Commission:
		Prepayment	\$	0.00	
		Total Balance Due	\$	159,415.78	
		Total Profit	\$	-	
		Commission %:		35%	
		Percent Profit:		0.00%	

(Salesman Signature)

(Sales Mgr. Signature)

(F&I Mgr. Signature)

(GM Signature)

rev012215



Vanguard Truck Center of Houston

5216 N. McCarty Houston TX 77013

Ph (713) 673-1444 Fax (713) 673-7354

New Vehicle Quotation Form

12/7/2018

(DATE)

BFI Waste Services of Pennsylvania, LLC

(PURCHASER)

731 Reliance Rd

(ADDRESS)

Telford PA, 18969

(CITY, STATE, ZIP)

0

(CONTACT)

0

(EMAIL)

0

(TELEPHONE)

2019 Mack LR-08-DS

Sales Price	\$	142,884.00
Federal Retail Excise Tax	\$	16,531.78
Net Trade Allowance	(\$	0.00)
Sales Tax (Includes Emission Surcharge)	\$	0.00
Ad Valorem Tax	\$	0.00
License Fee: Type <u>0</u> Wt. <u>0</u>	\$	0.00
Title and Transfer Fees		0.00
Total Price	\$	159,415.78
Total Del. Price for <u>0</u> Vehicles	\$	0.00

VIN #	Front Loader, Dual Drive Dual Sit
Engine	Mdrive MP7 11Ltr
Transmission	Allison 4500RDS 6spd
Fr. Axle	FXL20 20000 LB
Rr. Axle	S462R 46000 LB
Suspension	Hendrickson HMX460
Ratio	4.88
Wheelbase	173
Color	BLUE

Additional Comments:



Thank you for allowing me to quote your trucking needs!
Fleet Sales

Republic Services Quote

Date	11/28/2018
Number of Units	3
Specification	Half Pack Odyssey Residential
Contact Name	Mike Damoci
Phone Number	732-524-8534
Sold To:	Republic Services of New Jersey, LLC
Address	5 Industrial Drive
City and State	New Brunswick, NJ 08901
Legal Entity	Republic Services of New Jersey, LLC
Division #	3250
Order Line #	19MH250-2
PO Number	TBD
Decals:	
City, State	New Brunswick, NJ
DOT	771542
Unit #	2221-2223
Chassis Arrival Date	12/15/2018
Chassis Make/Spec	Mack LR
Chassis Model/GSO	LR-04-DS
Chassis VIN(s)	
Exhaust	Please Advise
Transmission	4500RDS
Chassis Drive	Dual Drive, Dual Sit
Wheelbase	186
CNG	No
TOTAL Body Price INCLUDES FET AND SHIPPING, BUT DOES NOT INCLUDE SALES TAX	\$411,864



Quote Provided By:
Brandon Volner

*2019 Spec review highlighted yellow

1M2LR1GC5KM002407 - Unit # 2223
1M2LR1GC0LM002977 - Unit # 2222
1M2LR1GCXLM002968 - Unit #2221

Heil Standard Equipment Features included in Base Price

<ul style="list-style-type: none"> Hinged left-side aluminum body access door with step and grab Cab shield with hinged rubber tip extension - steel Front head closure screen with splash guard Upper hopper liquid sump with 2 clean-out doors Body service props for service hoist models and service lift Tailgate service props Fully automatic Shur-Lock™ tailgate latches Patented clamp-on arms 8,000 lb. capacity arms - WASTEC WRP 06-1996 rated Four arm shaft bearing supports Fork cross shaft-rubber bumpers Bolt-on rubber arm stops Heavy-duty forks - 1 1/2" thick x 63" grip length PTO Mounted Load Sense Piston Pump Chrome-plated cylinder rods and telescopic sleeves Crossed packing cylinders Chassis frame-mounted oil tank with level/temperature gauge and suction shut-off valve 3-micron return line filter with magnetic trap and in-cab filter bypass monitor 100-micron suction line strainer Fabric guard hose protection for all high-pressure hoses Cortex Controller™ with InSight™ diagnostic display Throttle advance kit Left and right-hand single multifunction joystick Complete array of in-cab function indicator lights Streetwise Hydraulics™ Solid state control panel High pressure filter kit 	<ul style="list-style-type: none"> Arm rest for operator controls 5 lb. In-Cab Fire Extinguisher Backup alarm LED mid-body turn signals Strobe light, amber mounted on lower tailgate - in-cab switch, pump on, and reverse activated Front and rear mud flaps - anti-sail/anti-splash Rear underdrive guard Hopper flood light Low oil level sensor with light; buzzer, and pump shut-off Severe-duty wear bar kit 3" sump drain on street side and curb side Remote tailgate hinge lube Arm/Fork over height warning kit 20 lb. Fire Extinguisher FMVSS #108 clearance lights and reflectors ICC reflective tape Rear camera bracket and flood lights - reverse activated Body undercoating Customer's choice of one color finish paint from ColorSmart brochure Standard 1-year warranty (2,000 Hours of Operation) ANSI Z 245.1-2012 Compliant Safety Triangle Cavity coat and join sealer Arm guides mounted to front bumper Forward facing flood lights on cab Upper arm reinforcement
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Odyssey Standard Features - Piston Pump, 890 PTO, Roll-in Hydraulics, Single Multifunction Joystick on Both Sides, Proportional Valve, Work Lights on Cab

Base Units Half / Pack Odyssey		
x 28 yard		\$100,043
CHASSIS MUST CONFORM WITH HEIL'S MOST CURRENT CHASSIS SPECIFICATIONS		
Mounting Options		
x Full Factory Mount with Service Hoist (if 5 axle - service lift)		INCLUDED
Deduct for service hoist if a 5 axle truck		(\$1,500)
Power Take Off / Pump Options		
x PTO Mounted Load Sense Piston pump - Includes PTO		INCLUDED
Remote Mount Pump		INCLUDED
Certain transmission / chassis configurations may not have proper clearance to allow direct mount or live power systems driven off of the transmission		
Control Options		
x Dual Multifunction Joystick - Left and Right Hand		INCLUDED
Left Hand 2-Lever Electric Control in lieu of Multifunction Joystick		\$437
Outside 2-lever controls (Arms, Forks) PLUS switch bank (Pump, TA, Packer) - (558-0004-005)		\$1,899
Lighting and Electrical Accessories		
x Body Side Backing Assist Lights - LED		INCLUDED
x Whelen Tailgate Strobe Kit		INCLUDED
x AWTI Radar Warning System		INCLUDED
x Amber Turn Signal		INCLUDED
x Single LED Container Work Lights - in-cab switch		INCLUDED
x Dual Cab Guard Mounted LED Flood Lights		INCLUDED
x Grote Light Upgrade		INCLUDED
x Egress Lights		INCLUDED
Automated Option		
x Hopper Seal Brush Kit- Includes sides, Front, and Rear Bristle Hopper Seal Kit - For Curotto Only		INCLUDED
x Remote Curbside Controls - (558-0004-001)		INCLUDED
x In-Cab controls for integrated forward work lamps - Forward Work Lamps must be purchased with the Curotto Can		INCLUDED
Installation of Auto cover controls - Auto cover must be purchased with the Curotto Can		\$1,134
Bayne Carry Can w/ Cart Tipper BTL208		\$6,662
Bayne Controls Only - (546-0002-002)		\$2,922
Body Options		
x Roof Access ladder (Curb Side Rear Bolster)		INCLUDED
x Hydraulic Oil Tank Quick Disconnect Kit - For use with filter buggy		INCLUDED
x 24" Bumper Mounted Aluminum Toolbox		INCLUDED
x Extendable Broom & Packer Broom and a Packer Shovel		INCLUDED
x Spill Kit		INCLUDED
x Republic White Front Mud flaps		INCLUDED
x Republic Cab Decal Kit		INCLUDED
x Republic Body Decal Kit		INCLUDED
x D-Ring Fall Protection		INCLUDED
x Rear Caution Decal		INCLUDED
x Fender Extensions		INCLUDED
x No Body Sump Doors		INCLUDED
x No Floor Drain		INCLUDED
x 1.5" Fork Upgrade		INCLUDED
x Wheel Chock Kit - Dual		INCLUDED
x Aluminum Cab Protector		INCLUDED
California Back Up Alarm		\$624
60 Gallon Washout Tank - side mounted - Not available with pusher axle		\$1,578
60 Gallon Washout Tank - rear mounted - Not available with tag axle		\$1,578
Heavy Duty Sliding Top door - May not be compatible with roof mounted CNG systems		\$4,038
Camera Systems		
All camera systems are mounted with protective camera brackets and twin tailgate flood lights		
CAMERA MONITOR LOCATION WILL BE ROOF MOUNTED; Swivel monitor bracket will be provided for dual drive chassis		
3rd Eye Camera Systems		
x 3rd Eye Double Camera with LCD Color Monitor (Cameras on T/G & LH Cab)		INCLUDED
Additional Hopper Camera - (229-0003-001)		\$378
Additional Left Hand Alley Camera - (229-0003-005)		\$378
Additional Right Hand Alley - (229-0003-004)		\$378
CNG / CNrG Installation		
60 DGE CNrG w/Tank Fill includes install / mount - Includes Front Bumper, Fast Fill and CNrG Decals		\$28,092
75 DGE CNrG w/Tank Fill includes install / mount - Includes Front Bumper, Fast Fill and CNrG Decals		\$31,429
90 DGE CNrG w/Tank Fill includes install / mount - Includes Front Bumper, Fast Fill and CNrG Decals		\$37,915
105 DGE CNrG w/Tank Fill includes install / mount - Includes Front Bumper, Fast Fill and CNrG Decals		\$43,019
CNG Mounting Brackets (Tank Fill, Decal and Installation)		\$4,334
Tag Axle or Pusher Axle Option		
x Tag Axle Spill shield - Prevents debris from collecting on the tag axle		INCLUDED
x Pre-Installed Pusher Axle		\$0
Pre-Installed Tag Axle		\$0
13K lb Hendrickson Pusher Steerable Axle - Includes (275/R22 Tires & Alum Wheels)		\$10,151
x 13K lb Hendrickson Tag Steerable Axle - Includes (275/R22 Tires & Alum Wheels)		\$10,151
13K lb Hendrickson Pusher Non Steerable Axle - Includes (275/R22 Tires & Alum Wheels)		\$9,555
13K lb Hendrickson Tag Non Steerable Axle - Included (275/R22 Tires & Alum Wheels)		\$9,555
13K lb Hendrickson Steerable Tag Axle with Tag Lock		\$12,148
20K lb Hendrickson Pusher Steerable Axle		\$10,151
20K lb Hendrickson Tag Steerable Axle		\$10,151
20K lb Hendrickson Pusher Non-Steerable Axle		\$9,555
20K lb Hendrickson Tag Non-Steerable Axle		\$9,555
315 Aluminum Wheels & Tires - Upgrade		\$1,250
315 Aluminum Wheels & Tires - Upgrade		\$1,250
Extended Warranty		
x One (1) Year Complete Body Warranty		INCLUDED
Infinity Series Packer/Eject Cylinders with scrapers and hardened rods to 50 HRC by Rosenboom - Includes		INCLUDED
x Five (5) Year Packer/Eiect Cylinder Warranty covering dents and dings		INCLUDED
x Two (2) Year Cylinder Parts Warranty		INCLUDED
Paint Options		
x Republic Blue, Dupont 784083		INCLUDED

TOTALS		
	Total Base Body Price with Republic Standard Spec	\$100,043
	Options Total	\$20,839
	Chassis Mods	\$0
	Total Base Plus Options	\$120,882
	FET (Calculated based on Body and Options, Does not include Mount or Warranty)	\$13,988
	Freight Each	\$2,418
	Total Price per Unit	\$137,288
	Number of Units	3
	Total Order Price	\$411,864

Vanguard New Mack Truck Analysis Sheet

Date: **12/7/2018**
 Salesman: **Fleet Sales**
 Customer: **BFI Waste Services of Penn**
 Contact: _____
 Address: **731 Reliance Rd**
 City, State Zip: **Telford PA, 18969**
 Phone #: _____
 Email: _____
 Year: **2019**
 Make: **Mack**
 Model: **LR-08-DS**
 Quantity: _____
 VIN #: _____
 Stock#: _____
 Body Type: **McNeilus**
 Cab Color: **Blue**
 License Type: _____
 License Wt: _____
 Vocational Code: _____
 S.A. Control #: _____
 Finance Co: _____
 Contact: _____
 Phone #: _____
 Insurance Co: _____
 Contact: _____
 Phone #: _____

(Salesman Signature)

(Sales Mgr. Signature)

(F&I Mgr. Signature)

(GM Signature)

Chassis List	\$	
Total Chassis Net	\$	0.00
Factory List	\$	
Options Net	\$	0.00
Misc Net	\$	
Other Surcharges	\$	
Holdback	\$	0.00
Net Chassis and Extras	\$	0.00
Freight	\$	0.00
Factory Sales Assistance		0.00
Factory Rebates	\$	
Total Invoice	\$	0.00
Addtl Sales Assistance		0.00
Special Rebates	\$	0.00
Total Price	\$	0.00
Doc Fee	\$	250.00
Pack	\$	0.00
Locals	\$	142,634.00
Fret Exclusions	\$	0.00
Cost of Sale (Plus O.A. if any)	\$	142,884.00
Profit	\$	
Truck Price	\$	142,884.00
Trade Allowance	\$	0.00
Sales Price Less Trade	\$	142,884.00
Tire Tax Credit	\$	614.30
FRET	12%	16,531.78
Sales Tax (+ Emission Surcharge)	0.00%	0.00
Ad Valorem	0.0000%	0.00
License Fee	\$	
Title and Transfer Fees	\$	0.00
Total Due	\$	159,415.78
Prepayment	\$	0.00
Total Balance Due	\$	159,415.78

Total Profit \$ -
Commission %: 35%
Percent Profit: 0.00%

Excluded From Federal Tax	
Protection Plan	\$
Bulldog Protection Plan	\$
Other	\$
Other	\$
Other	\$
Fret Exclusions	\$ 0.00

Additional Locals	
Prep: RO#	\$ -250.00
Other: Truck Price	\$ 142884.00
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Other:	\$
Total Additional Locals:	\$ 142634.00

Trade Info:		Trade Payoff \$
Year		Actual Trade Value \$
Make		Overallowance \$
Model		Net Allowance \$ 0.00
Vin #		
Mileage		
Stock#		

Commission Due: \$ -
Flat Commission: _____

rev012215



Vanguard Truck Center of Houston

5216 N. McCarty Houston TX 77013

Ph (713) 673-1444 Fax (713) 673-7354

New Vehicle Quotation Form

12/7/2018

(DATE)

BFI Waste Services of Pennsylvania, LLC

(PURCHASER)

731 Reliance Rd

(ADDRESS)

Telford PA, 18969

(CITY, STATE, ZIP)

0

(CONTACT)

0

(EMAIL)

0

(TELEPHONE)

2019 Mack LR-08-DS

Sales Price	\$	142,884.00
Federal Retail Excise Tax	\$	16,531.78
Net Trade Allowance	(\$	0.00)
Sales Tax (Includes Emission Surcharge)	\$	0.00
Ad Valorem Tax	\$	0.00
License Fee: Type <u>0</u> Wt. <u>0</u>	\$	0.00
Title and Transfer Fees		0.00
Total Price	\$	159,415.78
Total Del. Price for <u>0</u> Vehicles	\$	0.00

VIN #	Front Loader, Dual Drive Dual Sit
Engine	Mdrive MP7 11Ltr
Transmission	Allison 4500RDS 6spd
Fr. Axle	FXL20 20000 LB
Rr. Axle	S462R 46000 LB
Suspension	Hendrickson HMX460
Ratio	4.88
Wheelbase	173
Color	BLUE

Additional Comments:



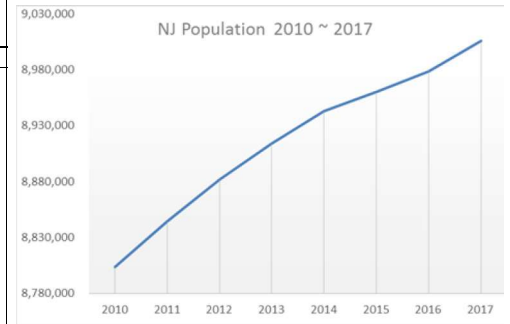
Thank you for allowing me to quote your trucking needs!
Fleet Sales

Attachment B

Estimates of Resident Population by County: New Jersey, 2010-2017

Total Population

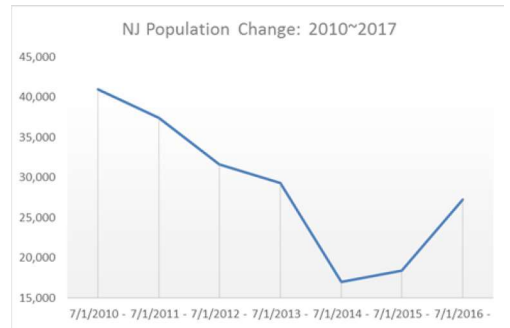
FIPS	Area Name	Total Population		Estimates as of July 1,							
		April 1, 2010									
		Census	Estimates base	2010	2011	2012	2013	2014	2015	2016	2017
34000	New Jersey	8,791,894	8,791,953	8,803,708	8,844,694	8,882,095	8,913,735	8,943,010	8,960,001	8,978,416	9,005,644
34001	Atlantic County	274,549	274,540	274,761	275,107	275,732	275,954	274,842	273,088	270,830	269,918
34003	Bergen County	905,116	905,147	906,879	914,233	921,035	927,202	933,348	938,255	942,387	948,406
34005	Burlington County	448,734	448,738	449,200	450,486	451,256	449,858	450,318	448,844	448,342	448,596
34007	Camden County	513,657	513,668	513,506	513,180	512,827	511,798	510,913	510,809	510,741	510,719
34009	Cape May County	97,265	97,265	97,222	96,561	96,387	95,704	95,146	94,421	93,920	93,553
34011	Cumberland County	156,898	156,628	156,719	157,108	157,268	156,571	156,475	155,261	153,914	152,538
34013	Essex County	783,969	783,999	784,694	787,414	788,942	792,560	797,078	800,206	803,876	808,285
34015	Gloucester County	288,288	288,585	288,994	289,605	289,912	290,151	291,151	291,651	291,703	292,206
34017	Hudson County	634,266	634,244	636,345	648,619	658,909	667,066	673,773	679,907	686,391	691,643
34019	Hunterdon County	128,349	127,364	127,335	127,365	126,731	126,590	126,129	125,747	125,061	125,059
34021	Mercer County	366,513	367,517	367,930	368,201	370,419	372,337	372,974	373,104	373,660	374,733
34023	Middlesex County	809,858	809,864	811,217	817,589	824,753	829,991	835,335	838,332	839,986	842,798
34025	Monmouth County	630,380	630,423	630,644	629,757	629,037	628,968	628,236	627,418	626,782	626,351
34027	Morris County	492,276	492,315	492,902	495,671	497,447	498,680	498,481	498,538	498,844	499,693
34029	Ocean County	576,567	576,548	577,621	579,162	580,589	583,090	585,810	588,707	592,944	597,943
34031	Passaic County	501,226	501,622	502,343	504,472	506,161	507,960	510,058	510,927	511,265	512,607
34033	Salem County	66,083	66,069	65,982	65,883	65,446	64,840	64,360	63,730	63,158	62,792
34035	Somerset County	323,444	323,428	324,248	326,597	328,588	331,029	332,345	333,399	334,373	335,432
34037	Sussex County	149,265	148,886	148,818	148,166	147,045	145,768	144,811	143,302	142,288	141,682
34039	Union County	536,499	536,448	537,743	541,300	545,878	550,461	554,069	557,073	561,106	563,892
34041	Warren County	108,692	108,655	108,605	108,218	107,733	107,157	107,358	107,282	106,845	106,798



Estimates of Resident Population by County: New Jersey, 2010-2017

Total Population Change¹

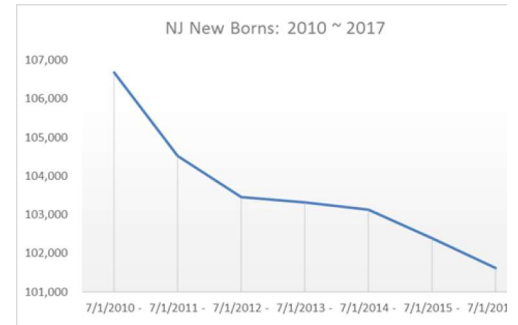
FIPS	Area Name	Net Population Change								
		4/1/2010 -	7/1/2010 -	7/1/2011 -	7/1/2012 -	7/1/2013 -	7/1/2014 -	7/1/2015 -	7/1/2016 -	4/1/2010 -
		6/30/2010	6/30/2011	6/30/2012	6/30/2013	6/30/2014	6/30/2015	6/30/2016	6/30/2017	6/30/2017
34000	New Jersey	11,755	40,986	37,401	31,640	29,275	16,991	18,415	27,228	213,691
34001	Atlantic County	221	346	625	222	-1,112	-1,754	-2,258	-912	-4,622
34003	Bergen County	1,732	7,354	6,802	6,167	6,146	4,907	4,132	6,019	43,259
34005	Burlington County	462	1,286	770	-1,398	460	-1,474	-502	254	-142
34007	Camden County	-162	-326	-353	-1,029	-885	-104	-68	-22	-2,949
34009	Cape May County	-43	-661	-174	-683	-558	-725	-501	-367	-3,712
34011	Cumberland County	91	389	160	-697	-96	-1,214	-1,347	-1,376	-4,090
34013	Essex County	695	2,720	1,528	3,618	4,518	3,128	3,670	4,409	24,286
34015	Gloucester County	409	611	307	239	1,000	500	52	503	3,621
34017	Hudson County	2,101	12,274	10,290	8,157	6,707	6,134	6,484	5,252	57,399
34019	Hunterdon County	-29	30	-634	-141	-461	-382	-686	-2	-2,305
34021	Mercer County	413	271	2,218	1,918	637	130	556	1,073	7,216
34023	Middlesex County	1,353	6,372	7,164	5,238	5,344	2,997	1,654	2,812	32,934



34025	Monmouth County	221	-887	-720	-69	-732	-818	-636	-431	-4,072
34027	Morris County	587	2,769	1,776	1,233	-199	57	306	849	7,378
34029	Ocean County	1,073	1,541	1,427	2,501	2,720	2,897	4,237	4,999	21,395
34031	Passaic County	721	2,129	1,689	1,799	2,098	869	338	1,342	10,985
34033	Salem County	-87	-99	-437	-606	-480	-630	-572	-366	-3,277
34035	Somerset County	820	2,349	1,991	2,441	1,316	1,054	974	1,059	12,004
34037	Sussex County	-68	-652	-1,121	-1,277	-957	-1,509	-1,014	-606	-7,204
34039	Union County	1,295	3,557	4,578	4,583	3,608	3,004	4,033	2,786	27,444
34041	Warren County	-50	-387	-485	-576	201	-76	-437	-47	-1,857

Estimates of Resident Population by County: New Jersey, 2010-2017
Components of Change: *Births*

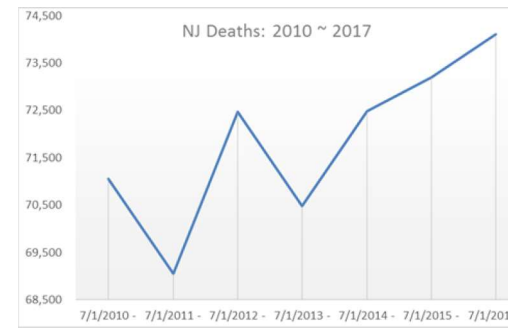
		Births								
		4/1/2010 -	7/1/2010 -	7/1/2011 -	7/1/2012 -	7/1/2013 -	7/1/2014 -	7/1/2015 -	7/1/2016 -	4/1/2010 -
FIPS	Area Name	6/30/2010	6/30/2011	6/30/2012	6/30/2013	6/30/2014	6/30/2015	6/30/2016	6/30/2017	6/30/2017
34000	New Jersey	26,544	106,675	104,517	103,462	103,319	103,122	102,397	101,625	751,661
34001	Atlantic County	803	3413	3380	3237	3182	3014	2910	2862	22,801
34003	Bergen County	2377	9361	8987	9237	9276	9428	9514	9389	67,569
34005	Burlington County	1189	4669	4571	4397	4526	4502	4342	4384	32,580
34007	Camden County	1646	6572	6466	6321	6321	6312	6153	6153	45,944
34009	Cape May County	236	890	961	890	927	923	869	872	6,568
34011	Cumberland County	564	2246	2150	2031	2013	2030	1980	1912	14,926
34013	Essex County	2580	10518	10392	10429	10360	10154	10315	10170	74,918
34015	Gloucester County	862	3152	3132	2970	3024	3027	2927	2898	21,992
34017	Hudson County	2429	10350	10286	10363	10278	10210	10350	10345	74,611
34019	Hunterdon County	244	985	928	838	920	909	928	915	6,667
34021	Mercer County	1053	4385	4180	4220	4161	4189	4078	4039	30,305
34023	Middlesex County	2488	10101	9962	9757	9465	9502	9116	9025	69,416
34025	Monmouth County	1610	6241	6232	6008	6001	5802	5942	5857	43,693
34027	Morris County	1269	4821	4625	4602	4672	4718	4670	4666	34,043
34029	Ocean County	1956	8111	7962	8150	8148	8490	8559	8511	59,887
34031	Passaic County	1811	7145	7075	6923	6925	6930	6898	6852	50,559
34033	Salem County	200	727	717	699	670	674	644	644	4,975
34035	Somerset County	849	3661	3400	3444	3322	3411	3213	3238	24,538
34037	Sussex County	385	1333	1323	1253	1221	1196	1186	1183	9,080
34039	Union County	1740	6992	6786	6753	6873	6763	6820	6758	49,485
34041	Warren County	253	1002	1002	940	1034	938	983	952	7,104



Estimates of Resident Population by County: New Jersey, 2010-2017
Components of Change: *Deaths*

		Deaths								
FIPS	Area Name	4/1/2010 - 6/30/2010	7/1/2010 - 6/30/2011	7/1/2011 - 6/30/2012	7/1/2012 - 6/30/2013	7/1/2013 - 6/30/2014	7/1/2014 - 6/30/2015	7/1/2015 - 6/30/2016	7/1/2016 - 6/30/2017	4/1/2010 - 6/30/2017
34000	New Jersey	17,089	71,061	69,047	72,467	70,480	72,483	73,194	74,111	519,932

34001	Atlantic County	546	2571	2465	2651	2535	2633	2817	2758	18,976
34003	Bergen County	1683	6979	6875	7332	6936	7119	7014	7093	51,031
34005	Burlington County	933	3704	3690	3933	3822	4101	4059	4032	28,274
34007	Camden County	1125	4507	4381	4691	4576	4684	4671	4676	33,311
34009	Cape May County	350	1278	1250	1382	1288	1302	1293	1282	9,425
34011	Cumberland County	377	1436	1408	1459	1533	1560	1413	1418	10,604
34013	Essex County	1426	5982	5714	5735	5725	5726	6132	6252	42,692
34015	Gloucester County	511	2399	2365	2586	2551	2505	2592	2639	18,148
34017	Hudson County	892	3878	3677	3881	3748	3701	4014	4155	27,946
34019	Hunterdon County	231	838	815	869	895	911	931	963	6,453

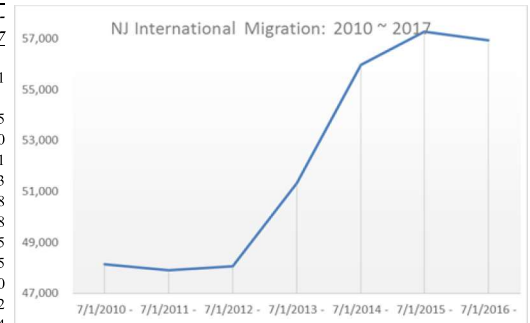


34021	Mercer County	720	2951	2811	2814	2838	3017	2859	2941	20,951
34023	Middlesex County	1383	5754	5471	5834	5711	5828	5882	6170	42,033
34025	Monmouth County	1349	5396	5130	5483	5171	5494	5520	5725	39,268
34027	Morris County	887	3611	3635	3775	3806	3736	3753	3792	26,995
34029	Ocean County	1632	7247	6985	7178	6936	7233	7107	6999	51,317
34031	Passaic County	823	3642	3501	3685	3555	3719	3703	3704	26,332
34033	Salem County	201	697	692	713	712	714	755	769	5,253
34035	Somerset County	458	2175	2210	2300	2284	2361	2517	2535	16,840
34037	Sussex County	287	1111	1125	1132	1205	1170	1200	1239	8,469
34039	Union County	1016	3946	3915	4029	3775	3976	3969	4038	28,664
34041	Warren County	259	959	932	1005	878	993	993	931	6,950

Estimates of Resident Population by County: New Jersey, 2010-2017

Components of Change: *Net International Migration*²

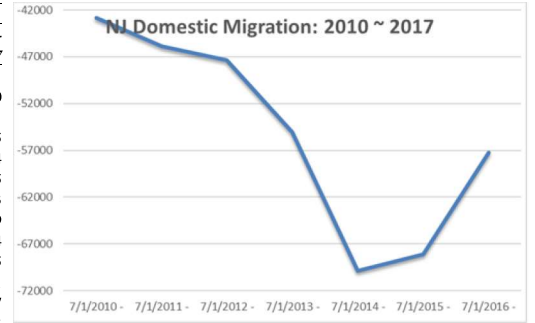
FIPS	Area Name	Net International Migration								4/1/2010 - 6/30/2017
		4/1/2010 - 6/30/2010	7/1/2010 - 6/30/2011	7/1/2011 - 6/30/2012	7/1/2012 - 6/30/2013	7/1/2013 - 6/30/2014	7/1/2014 - 6/30/2015	7/1/2015 - 6/30/2016	7/1/2016 - 6/30/2017	
34000	New Jersey	11,318	48,154	47,916	48,052	51,314	55,973	57,282	56,942	376,951
34001	Atlantic County	326	1535	1496	1355	1462	1590	1622	1609	10,995
34003	Bergen County	1216	5516	5472	5252	5698	6109	6229	6188	41,680
34005	Burlington County	263	848	1173	911	977	1130	1029	930	7,261
34007	Camden County	324	1410	1502	1607	1741	1877	1942	1930	12,333
34009	Cape May County	33	215	254	152	141	174	154	145	1,268
34011	Cumberland County	90	457	436	408	446	515	531	535	3,418
34013	Essex County	1402	5417	5344	5615	5873	6405	6671	6658	43,385
34015	Gloucester County	70	297	330	359	374	406	420	419	2,675
34017	Hudson County	2116	9395	9390	9527	10272	11117	11440	11383	74,640
34019	Hunterdon County	36	204	151	179	134	148	156	154	1,162
34021	Mercer County	574	2383	2414	2660	2932	3177	3226	3218	20,584
34023	Middlesex County	1619	7320	7044	6957	7592	8204	8359	8298	55,393
34025	Monmouth County	330	1196	1100	1142	1125	1324	1339	1335	8,891
34027	Morris County	553	2079	2027	1887	2002	2191	2232	2228	15,199
34029	Ocean County	148	481	572	539	594	687	690	681	4,392
34031	Passaic County	754	3524	3544	3589	3689	4042	4191	4190	27,523
34033	Salem County	8	34	16	37	33	41	45	46	260
34035	Somerset County	425	1665	1692	1737	1893	2058	2094	2083	13,647



34037	Sussex County	31	144	102	93	99	107	104	104	784
34039	Union County	954	3850	3657	3824	3984	4395	4519	4518	29,701
34041	Warren County	46	184	200	222	253	276	289	290	1,760

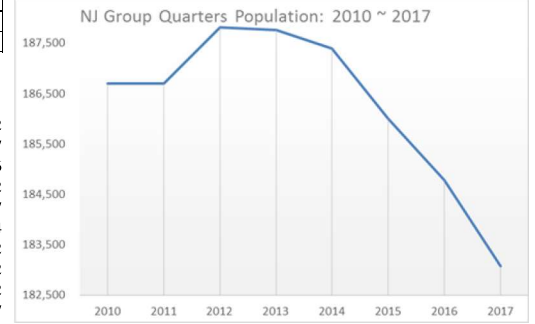
Estimates of Resident Population by County: New Jersey, 2010-2017
Components of Change: Net Domestic Migration

FIPS	Area Name	Net Domestic Migration								
		4/1/2010 - 6/30/2010	7/1/2010 - 6/30/2011	7/1/2011 - 6/30/2012	7/1/2012 - 6/30/2013	7/1/2013 - 6/30/2014	7/1/2014 - 6/30/2015	7/1/2015 - 6/30/2016	7/1/2016 - 6/30/2017	4/1/2010 - 6/30/2017
34000	New Jersey	-8788	-42855	-45861	-47379	-55019	-69847	-68137	-57274	-395,160
34001	Atlantic County	-352	-2049	-1792	-1714	-3268	-3764	-3976	-2630	-19,545
34003	Bergen County	-76	-447	-679	-872	-1807	-3465	-4602	-2446	-14,394
34005	Burlington County	-5	-484	-1255	-2791	-1175	-3013	-1814	-1018	-11,555
34007	Camden County	-1022	-3835	-3961	-4305	-4404	-3612	-3496	-3438	-28,073
34009	Cape May County	54	-488	-122	-335	-325	-512	-226	-95	-2,049
34011	Cumberland County	-182	-881	-1017	-1702	-1023	-2223	-2450	-2416	-11,894
34013	Essex County	-1918	-7334	-8611	-6734	-6004	-7738	-7197	-6179	-51,715
34015	Gloucester County	19	-425	-779	-485	197	-403	-701	-164	-2,741
34017	Hudson County	-1574	-3533	-5696	-7892	-10225	-11580	-11303	-12324	-64,127
34019	Hunterdon County	-75	-338	-913	-287	-633	-534	-839	-104	-3,723
34021	Mercer County	-492	-3611	-1537	-2148	-3673	-4260	-3899	-3261	-22,881
34023	Middlesex County	-1403	-5348	-4370	-5674	-6041	-8963	-9962	-8384	-50,145
34025	Monmouth County	-343	-2970	-2948	-1732	-2686	-2436	-2395	-1888	-17,398
34027	Morris County	-327	-474	-1204	-1463	-3092	-3129	-2849	-2254	-14,792
34029	Ocean County	635	297	-7	1055	1012	1041	2123	2831	8,987
34031	Passaic County	-1050	-4967	-5496	-5071	-5016	-6429	-7057	-6011	-41,097
34033	Salem County	-94	-159	-483	-640	-476	-637	-505	-286	-3,280
34035	Somerset County	33	-802	-878	-415	-1612	-2058	-1820	-1732	-9,284
34037	Sussex County	-200	-1034	-1448	-1516	-1092	-1663	-1107	-655	-8,715
34039	Union County	-333	-3356	-1903	-1919	-3479	-4181	-3346	-4463	-22,980
34041	Warren County	-83	-617	-762	-739	-197	-288	-716	-357	-3,759



Estimates of Group Quarters Population by County: New Jersey, 2010-2017

		Group Quarters Population									
		April 1, 2010	Estimates as of July 1,								
FIPS	Area name	Estimates base	2010	2011	2012	2013	2014	2015	2016	2017	
34000	New Jersey	186,903	186,700	186,695	187,813	187,759	187,397	185,999	184,782	183,073	
34001	Atlantic County	6046	6046	6036	6020	6213	6212	6218	6214	6222	
34003	Bergen County	10422	10422	10422	10428	10424	10416	10422	10428	10427	
34005	Burlington County	13214	13254	13547	13500	13526	13568	12718	12465	12356	
34007	Camden County	7728	7728	7744	7780	7786	7789	7790	7782	7492	
34009	Cape May County	2628	2629	2630	2628	2634	2634	2591	2582	2587	
34011	Cumberland County	11806	11773	11795	11994	11476	11775	11358	10771	10174	
34013	Essex County	23790	23784	23615	23451	23361	23458	23486	23402	23372	
34015	Gloucester County	4223	4223	4222	4223	4228	4227	4229	4232	4232	
34017	Hudson County	9378	9378	9388	9411	9406	9408	9433	9472	9462	
34019	Hunterdon County	3571	3571	3890	3815	3902	3777	3732	3550	3547	
34021	Mercer County	19803	19803	19267	20513	20755	20604	20442	20512	20261	
34023	Middlesex County	23835	23824	23878	23806	23709	23498	23482	23382	23368	



34025	Monmouth County	7670	7475	7112	7085	7105	7003	7079	7061	6792
34027	Morris County	8866	8866	8881	8893	8952	8798	8761	8699	8592
34029	Ocean County	7163	7163	7129	7130	7137	7138	7142	7138	6878
34031	Passaic County	11019	11020	11022	11031	11013	10922	10918	10916	10915
34033	Salem County	1257	1257	1257	1257	1257	1257	1258	1258	1258
34035	Somerset County	3970	3970	4341	4329	4357	4384	4403	4402	4742
34037	Sussex County	1742	1742	1742	1742	1742	1742	1743	1743	1743
34039	Union County	6804	6804	6809	6809	6807	6818	6823	6802	6681
34041	Warren County	1968	1968	1968	1968	1969	1969	1971	1971	1972

Notes:

The estimates are based on the 2010 Census and reflect changes to the April 1, 2010 population due to the Count Question Resolution program and geographic program revisions.

See Geographic Terms and Definitions at <http://www.census.gov/popest/about/geo/terms.html> for a list of the states that are included in each region and division.

All geographic boundaries for the 2014 population estimates series except statistical area delineations are as of January 1, 2015.

¹ Total population change includes a residual. This residual represents the change in population that cannot be attributed to any specific demographic component.

See Population Estimates Terms and Definitions at <http://www.census.gov/popest/about/terms.html>.

² Net international migration for the United States includes the international migration of both native and foreign-born populations. Specifically, it includes:

(a) the net international migration of the foreign born, (b) the net migration between the United States and Puerto Rico, (c) the net migration of natives to and from the United States, and (d) the net movement of the Armed Forces population between the United States and overseas.

For population estimates methodology statements, see <http://www.census.gov/popest/methodology/index.html>.

Source: U.S. Census Bureau, Population Division, March 22, 2018

Attachment C



You are here: EPA Home > Green Book > 8-Hour Ozone (2008) Designated Area Area/State/County Report

8-Hour Ozone (2008) Designated Area Area/State/County Report

Data is current as of November 30, 2018

Allentown-Bethlehem-Easton, PA (Marginal - Nonattainment)

PENNSYLVANIA (Region III)

Carbon County
Lehigh County
Northampton County

Atlanta, GA (Moderate - Maintenance)

GEORGIA (Region IV)

Bartow County
Cherokee County
Clayton County
Cobb County
Coweta County
DeKalb County
Douglas County
Fayette County
Forsyth County
Fulton County
Gwinnett County
Henry County
Newton County
Paulding County
Rockdale County

Baltimore, MD (Moderate - Nonattainment)

MARYLAND (Region III)

Anne Arundel County
Baltimore County
Baltimore city
Carroll County
Harford County
Howard County

Baton Rouge, LA (Marginal - Maintenance)

LOUISIANA (Region VI)

Ascension Parish
East Baton Rouge Parish
Iberville Parish
Livingston Parish
West Baton Rouge Parish

Calaveras County, CA (Marginal - Nonattainment)
CALIFORNIA (Region IX)
Calaveras County

Charlotte-Rock Hill, NC-SC (Marginal - Maintenance)
NORTH CAROLINA (Region IV)
Cabarrus County (P)
Gaston County (P)
Iredell County (P)
Lincoln County (P)
Mecklenburg County
Rowan County (P)
Union County (P)
SOUTH CAROLINA (Region IV)
York County (P)

Chicago-Naperville, IL-IN-WI (Moderate - Nonattainment)
ILLINOIS (Region V)
Cook County
DuPage County
Grundy County (P)
Kane County
Kendall County (P)
Lake County
McHenry County
Will County
INDIANA (Region V)
Lake County
Porter County
WISCONSIN (Region V)
Kenosha County (P)

Chico (Butte County), CA (Marginal - Nonattainment)
CALIFORNIA (Region IX)
Butte County

Cincinnati, OH-KY-IN (Marginal - Maintenance)
INDIANA (Region V)
Dearborn County (P)

Lawrenceburg Township

KENTUCKY (Region IV)
Boone County (P)
Campbell County (P)
Kenton County (P)
OHIO (Region V)
Butler County
Clermont County
Clinton County
Hamilton County
Warren County

Cleveland-Akron-Lorain, OH (Marginal - Maintenance)
OHIO (Region V)
Ashtabula County

Cuyahoga County
Geauga County
Lake County
Lorain County
Medina County
Portage County
Summit County

Columbus, OH (Marginal - Maintenance)

OHIO (Region V)
Delaware County
Fairfield County
Franklin County
Knox County
Licking County
Madison County

Dallas-Fort Worth, TX (Moderate - Nonattainment)

TEXAS (Region VI)
Collin County
Dallas County
Denton County
Ellis County
Johnson County
Kaufman County
Parker County
Rockwall County
Tarrant County
Wise County

Denver-Boulder-Greeley-Ft. Collins-Loveland, CO (Moderate - Nonattainment)

COLORADO (Region VIII)
Adams County
Arapahoe County
Boulder County
Broomfield County
Denver County
Douglas County
Jefferson County
Larimer County (P)
Weld County (P)

Dukes County, MA (Marginal - Nonattainment)

MASSACHUSETTS (Region I)
Dukes County

Greater Connecticut, CT (Moderate - Nonattainment)

CONNECTICUT (Region I)
Hartford County
Litchfield County
New London County
Tolland County
Windham County

Houston-Galveston-Brazoria, TX (Moderate - Nonattainment)

TEXAS (Region VI)

Brazoria County
 Chambers County
 Fort Bend County
 Galveston County
 Harris County
 Liberty County
 Montgomery County
 Waller County

Imperial County, CA (Moderate - Nonattainment)
 CALIFORNIA (Region IX)
 Imperial County

Jamestown, NY (Marginal - Nonattainment)
 NEW YORK (Region II)
 Chautauqua County

Kern Co (Eastern Kern), CA (Serious - Nonattainment)
 CALIFORNIA (Region IX)
 Kern County (P)

Knoxville, TN (Marginal - Maintenance)
 TENNESSEE (Region IV)
 Anderson County (P)
 Blount County
 Knox County

Lancaster, PA (Marginal - Nonattainment)
 PENNSYLVANIA (Region III)
 Lancaster County

Los Angeles-San Bernardino Counties (West Mojave Desert), CA (Severe 15 - Nonattainment)
 CALIFORNIA (Region IX)
 Los Angeles County (P)
 San Bernardino County (P)

Los Angeles-South Coast Air Basin, CA (Extreme - Nonattainment)
 CALIFORNIA (Region IX)
 Los Angeles County (P)
 Orange County
 Riverside County (P)
 San Bernardino County (P)

Mariposa County, CA (Moderate - Nonattainment)
 CALIFORNIA (Region IX)
 Mariposa County

Memphis, TN-MS-AR (Marginal - Maintenance)
 ARKANSAS (Region VI)
 Crittenden County
 MISSISSIPPI (Region IV)
 DeSoto County (P)

Portion along MPO Lines

TENNESSEE (Region IV)

Shelby County

Morongo Band of Mission Indians (Serious - Nonattainment)

CALIFORNIA (Region IX)

Riverside County (P)

Nevada Co. (Western part), CA (Moderate - Nonattainment)

CALIFORNIA (Region IX)

Nevada County (P)

New York-N. New Jersey-Long Island, NY-NJ-CT (Moderate - Nonattainment)

CONNECTICUT (Region I)

Fairfield County

Middlesex County

New Haven County

NEW JERSEY (Region II)

Bergen County

Essex County

Hudson County

Hunterdon County

Middlesex County

Monmouth County

Morris County

Passaic County

Somerset County

Sussex County

Union County

Warren County

NEW YORK (Region II)

Bronx County

Kings County

Nassau County

New York County

Queens County

Richmond County

Rockland County

Suffolk County

Westchester County

Pechanga Band of Luiseno Mission Indians of the Pechanga Reservation (Moderate - Nonattainment)

CALIFORNIA (Region IX)

Riverside County (P)

San Diego County (P)

Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE (Marginal - Nonattainment)

DELAWARE (Region III)

New Castle County

MARYLAND (Region III)

Cecil County

NEW JERSEY (Region II)

Atlantic County

Burlington County

Camden County

Cape May County

Cumberland County

Gloucester County
Mercer County
Ocean County
Salem County
PENNSYLVANIA (Region III)
Bucks County
Chester County
Delaware County
Montgomery County
Philadelphia County

Phoenix-Mesa, AZ (Moderate - Nonattainment)

ARIZONA (Region IX)
Maricopa County (P)
Pinal County (P)

Pittsburgh-Beaver Valley, PA (Marginal - Nonattainment)

PENNSYLVANIA (Region III)
Allegheny County
Armstrong County
Beaver County
Butler County
Fayette County
Washington County
Westmoreland County

Reading, PA (Marginal - Nonattainment)

PENNSYLVANIA (Region III)
Berks County

Riverside Co, (Coachella Valley), CA (Severe 15 - Nonattainment)

CALIFORNIA (Region IX)
Riverside County (P)

Sacramento Metro, CA (Severe 15 - Nonattainment)

CALIFORNIA (Region IX)
El Dorado County (P)
Placer County (P)
Sacramento County
Solano County (P)
Sutter County (P)
Yolo County

San Diego County, CA (Moderate - Nonattainment)

CALIFORNIA (Region IX)
San Diego County (P)

San Francisco Bay Area, CA (Marginal - Nonattainment)

CALIFORNIA (Region IX)
Alameda County
Contra Costa County
Marin County
Napa County
San Francisco County
San Mateo County
Santa Clara County

Solano County (P)
Sonoma County (P)

San Joaquin Valley, CA (Extreme - Nonattainment)

CALIFORNIA (Region IX)

Fresno County
Kern County (P)
Kings County
Madera County
Merced County
San Joaquin County
Stanislaus County
Tulare County

San Luis Obispo (Eastern San Luis Obispo), CA (Marginal - Nonattainment)

CALIFORNIA (Region IX)

San Luis Obispo County (P)

Seaford, DE (Marginal - Nonattainment)

DELAWARE (Region III)

Sussex County

Sheboygan County, WI (Moderate - Nonattainment)

WISCONSIN (Region V)

Sheboygan County

St. Louis-St. Charles-Farmington, MO-IL (Marginal - Maintenance)

ILLINOIS (Region V)

Madison County
Monroe County
St. Clair County

MISSOURI (Region VII)

Franklin County
Jefferson County
St. Charles County
St. Louis County
St. Louis city

Tuscan Buttes, CA (Marginal - Nonattainment)

CALIFORNIA (Region IX)

Tehama County (P)

Upper Green River Basin Area, WY (Marginal - Nonattainment)

WYOMING (Region VIII)

Lincoln County (P)
Sublette County
Sweetwater County (P)

Ventura County, CA (Serious - Nonattainment)

CALIFORNIA (Region IX)

Ventura County (P)

Washington, DC-MD-VA (Marginal - Nonattainment)

DISTRICT OF COLUMBIA (Region III)

District of Columbia

MARYLAND (Region III)

Calvert County
Charles County
Frederick County
Montgomery County
Prince George's County
VIRGINIA (Region III)
Alexandria city
Arlington County
Fairfax County
Fairfax city
Falls Church city
Loudoun County
Manassas Park city
Manassas city
Prince William County

**Discover.
Connect.**

Ask.

Follow.

2018-11-30

Attachment D

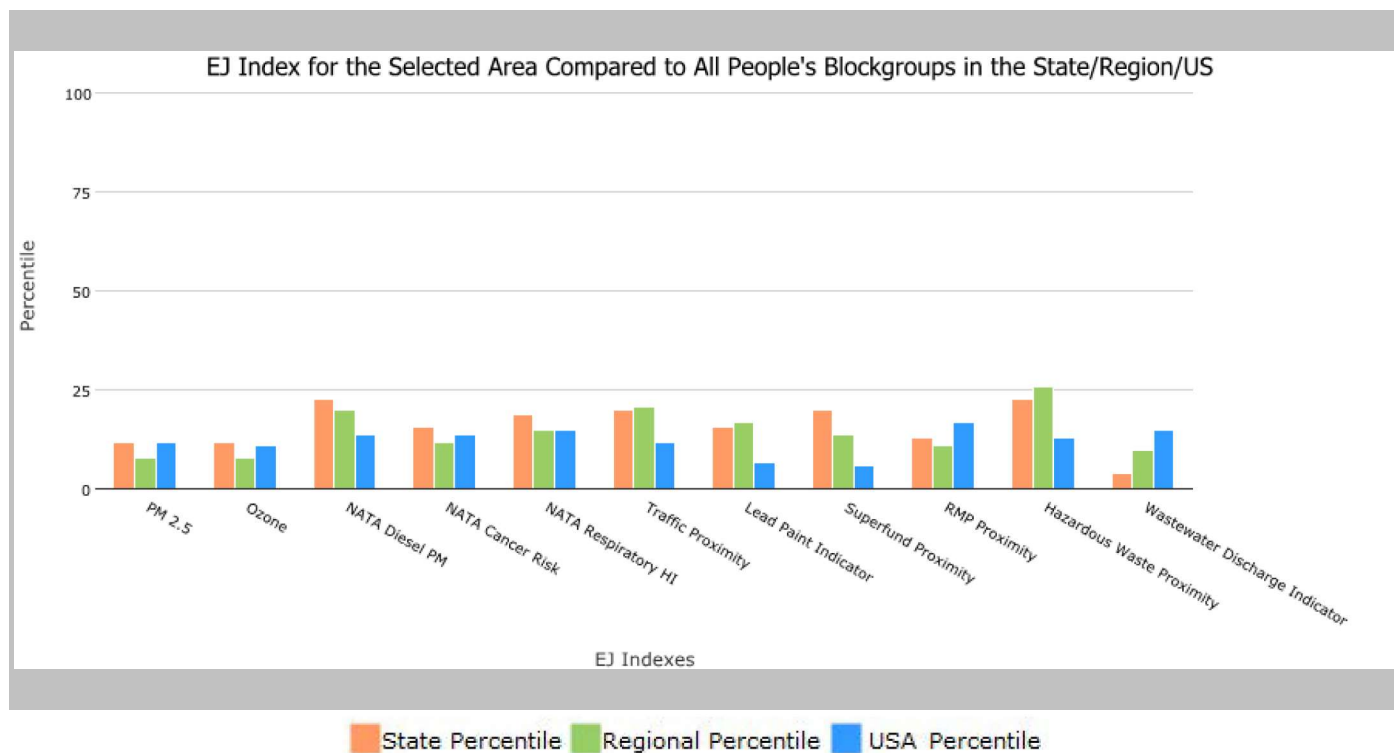
EJSCREEN Report (Version 2018)

County: Hunterdon, NEW JERSEY, EPA Region 2

Approximate Population: 125,708

Input Area (sq. miles): 437.42

Selected Variables	State Percentile	EPA Region Percentile	USA Percentile
EJ Indexes			
EJ Index for PM2.5	12	8	12
EJ Index for Ozone	12	8	11
EJ Index for NATA* Diesel PM	23	20	14
EJ Index for NATA* Air Toxics Cancer Risk	16	12	14
EJ Index for NATA* Respiratory Hazard Index	19	15	15
EJ Index for Traffic Proximity and Volume	20	21	12
EJ Index for Lead Paint Indicator	16	17	7
EJ Index for Superfund Proximity	20	14	6
EJ Index for RMP Proximity	13	11	17
EJ Index for Hazardous Waste Proximity	23	26	13
EJ Index for Wastewater Discharge Indicator	4	10	15

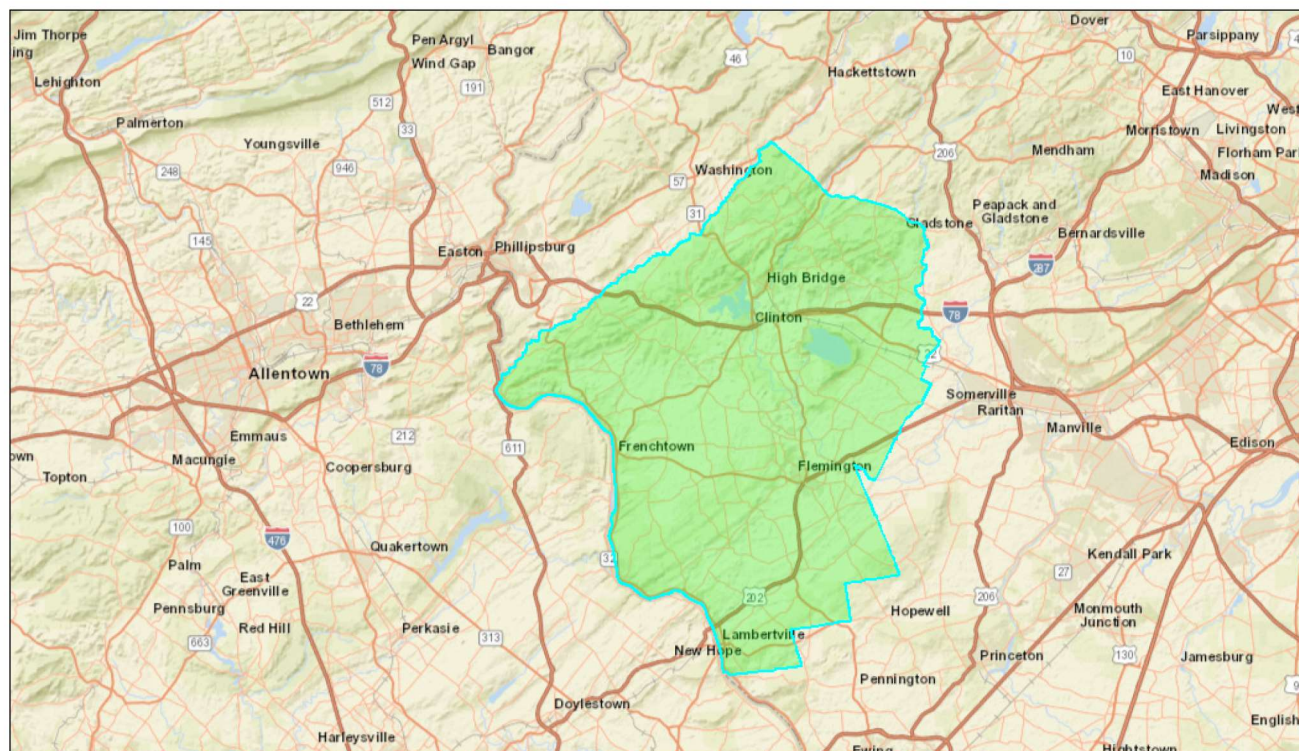


This report shows the values for environmental and demographic indicators and EJSCREEN indexes. It shows environmental and demographic raw data (e.g., the estimated concentration of ozone in the air), and also shows what percentile each raw data value represents. These percentiles provide perspective on how the selected block group or buffer area compares to the entire state, EPA region, or nation. For example, if a given location is at the 95th percentile nationwide, this means that only 5 percent of the US population has a higher block group value than the average person in the location being analyzed. The years for which the data are available, and the methods used, vary across these indicators. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJSCREEN documentation for discussion of these issues before using reports.

County: Hunterdon, NEW JERSEY, EPA Region 2

Approximate Population: 125,708

Input Area (sq. miles): 437.42



December 13, 2018

Known Geography

1:577,791

0 5 10 20 mi

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, © OpenStreetMap contributors, and the GIS User Community

Sites reporting to EPA	
Superfund NPL	3
Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF)	11

EJSCREEN Report (Version 2018)

County: Hunterdon, NEW JERSEY, EPA Region 2

Approximate Population: 125,708

Input Area (sq. miles): 437.42



Selected Variables	Value	State Avg.	%ile in State	EPA Region Avg.	%ile in EPA Region	USA Avg.	%ile in USA
Environmental Indicators							
Particulate Matter (PM 2.5 in $\mu\text{g}/\text{m}^3$)	9.48	9.43	54	9.21	53	9.53	45
Ozone (ppb)	44.7	43.6	71	41.9	90	42.5	72
NATA* Diesel PM ($\mu\text{g}/\text{m}^3$)	0.654	1.31	19	1.88	<50th	0.938	<50th
NATA* Cancer Risk (lifetime risk per million)	33	42	19	44	<50th	40	<50th
NATA* Respiratory Hazard Index	1.4	2.1	24	2.4	<50th	1.8	<50th
Traffic Proximity and Volume (daily traffic count/distance to road)	220	660	50	1800	47	600	64
Lead Paint Indicator (% Pre-1960 Housing)	0.32	0.41	40	0.51	28	0.29	63
Superfund Proximity (site count/km distance)	0.14	0.43	38	0.28	52	0.12	80
RMP Proximity (facility count/km distance)	0.25	0.71	52	0.57	51	0.72	45
Hazardous Waste Proximity (facility count/km distance)	0.77	4.9	41	34	31	4.3	59
Wastewater Discharge Indicator (toxicity-weighted concentration/m distance)	0.0015	0.66	85	1.1	76	30	70
Demographic Indicators							
Demographic Index	12%	34%	16	37%	15	36%	11
Minority Population	13%	43%	19	44%	25	38%	28
Low Income Population	10%	25%	29	30%	20	34%	13
Linguistically Isolated Population	2%	7%	44	8%	45	4%	59
Population With Less Than High School Education	5%	11%	35	13%	29	13%	29
Population Under 5 years of age	4%	6%	34	6%	34	6%	29
Population over 64 years of age	16%	15%	65	15%	62	14%	63

* The National-Scale Air Toxics Assessment (NATA) is EPA's ongoing, comprehensive evaluation of air toxics in the United States. EPA developed the NATA to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that NATA provides broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. More information on the NATA analysis can be found at: <https://www.epa.gov/national-air-toxics-assessment>.

For additional information, see: www.epa.gov/environmentaljustice

EJSCREEN is a screening tool for pre-decisional use only. It can help identify areas that may warrant additional consideration, analysis, or outreach. It does not provide a basis for decision-making, but it may help identify potential areas of EJ concern. Users should keep in mind that screening tools are subject to substantial uncertainty in their demographic and environmental data, particularly when looking at small geographic areas. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJSCREEN documentation for discussion of these issues before using reports. This screening tool does not provide data on every environmental impact and demographic factor that may be relevant to a particular location. EJSCREEN outputs should be supplemented with additional information and local knowledge before taking any action to address potential EJ concerns.

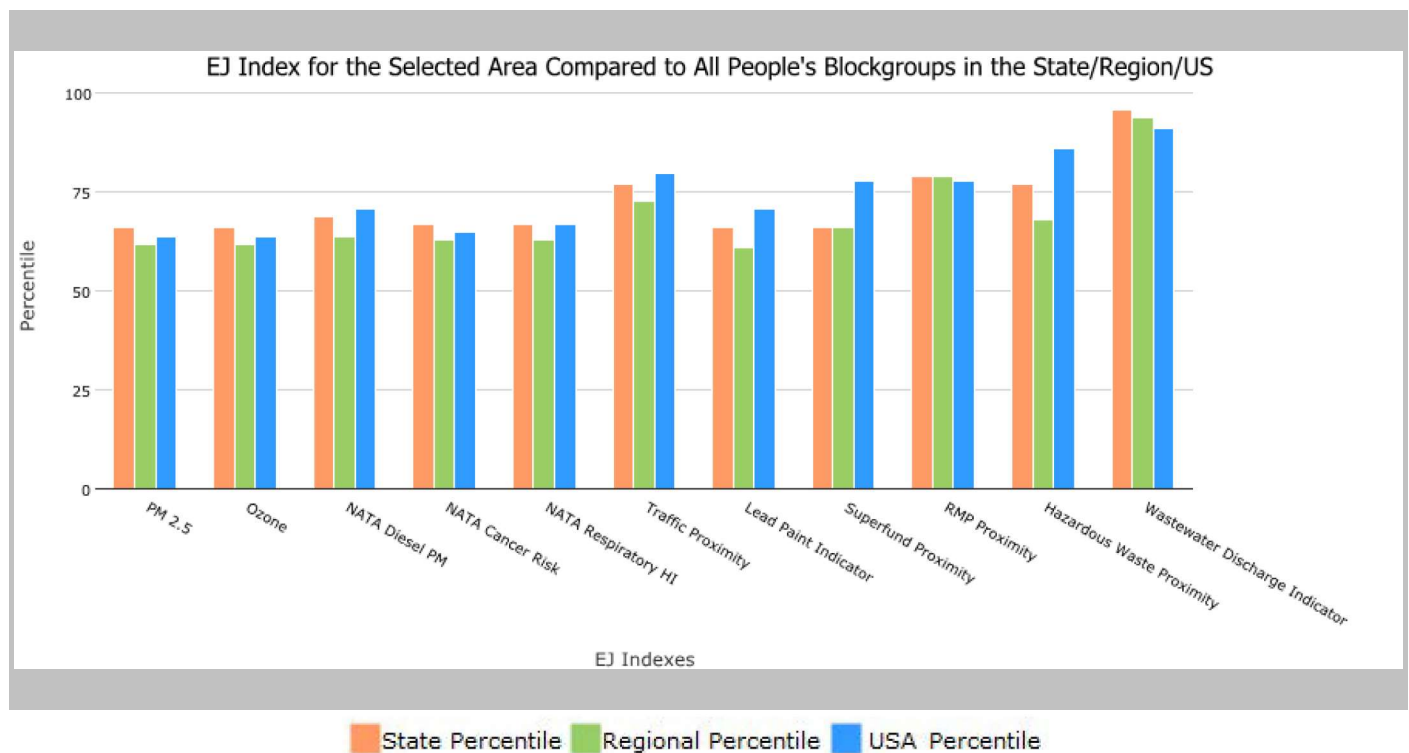
EJSCREEN Report (Version 2018)

County: Middlesex, NEW JERSEY, EPA Region 2

Approximate Population: 831,852

Input Area (sq. miles): 322.91

Selected Variables	State Percentile	EPA Region Percentile	USA Percentile
EJ Indexes			
EJ Index for PM2.5	66	62	64
EJ Index for Ozone	66	62	64
EJ Index for NATA* Diesel PM	69	64	71
EJ Index for NATA* Air Toxics Cancer Risk	67	63	65
EJ Index for NATA* Respiratory Hazard Index	67	63	67
EJ Index for Traffic Proximity and Volume	77	73	80
EJ Index for Lead Paint Indicator	66	61	71
EJ Index for Superfund Proximity	66	66	78
EJ Index for RMP Proximity	79	79	78
EJ Index for Hazardous Waste Proximity	77	68	86
EJ Index for Wastewater Discharge Indicator	96	94	91

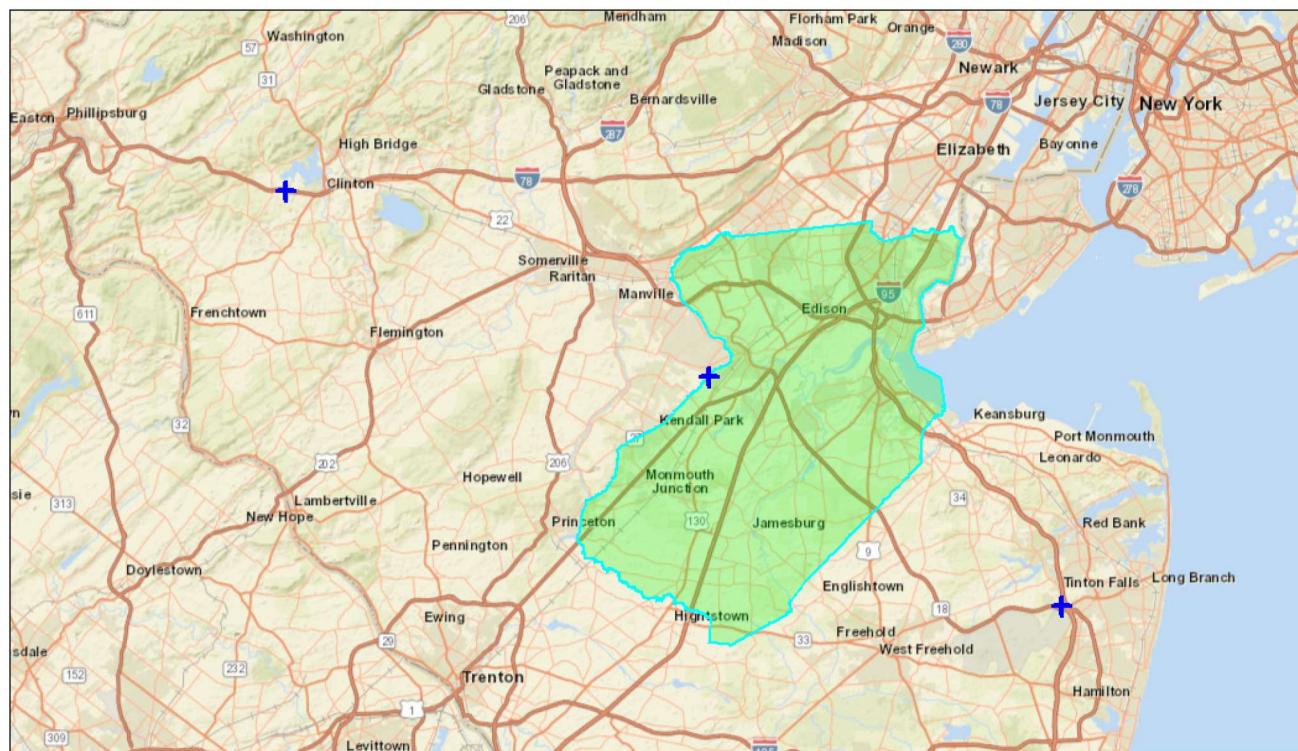


This report shows the values for environmental and demographic indicators and EJSCREEN indexes. It shows environmental and demographic raw data (e.g., the estimated concentration of ozone in the air), and also shows what percentile each raw data value represents. These percentiles provide perspective on how the selected block group or buffer area compares to the entire state, EPA region, or nation. For example, if a given location is at the 95th percentile nationwide, this means that only 5 percent of the US population has a higher block group value than the average person in the location being analyzed. The years for which the data are available, and the methods used, vary across these indicators. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJSCREEN documentation for discussion of these issues before using reports.

County: Middlesex, NEW JERSEY, EPA Region 2

Approximate Population: 831,852

Input Area (sq. miles): 322.91



Sites reporting to EPA	
Superfund NPL	14
Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF)	102

EJSCREEN Report (Version 2018)

County: Middlesex, NEW JERSEY, EPA Region 2

Approximate Population: 831,852

Input Area (sq. miles): 322.91

Selected Variables	Value	State Avg.	%ile in State	EPA Region Avg.	%ile in EPA Region	USA Avg.	%ile in USA
Environmental Indicators							
Particulate Matter (PM 2.5 in $\mu\text{g}/\text{m}^3$)	9.28	9.43	37	9.21	44	9.53	41
Ozone (ppb)	45.2	43.6	86	41.9	95	42.5	76
NATA* Diesel PM ($\mu\text{g}/\text{m}^3$)	1.17	1.31	55	1.88	<50th	0.938	70-80th
NATA* Cancer Risk (lifetime risk per million)	43	42	55	44	50-60th	40	60-70th
NATA* Respiratory Hazard Index	2	2.1	51	2.4	<50th	1.8	60-70th
Traffic Proximity and Volume (daily traffic count/distance to road)	840	660	79	1800	71	600	85
Lead Paint Indicator (% Pre-1960 Housing)	0.33	0.41	42	0.51	29	0.29	64
Superfund Proximity (site count/km distance)	0.57	0.43	76	0.28	86	0.12	95
RMP Proximity (facility count/km distance)	1.4	0.71	83	0.57	89	0.72	83
Hazardous Waste Proximity (facility count/km distance)	4.1	4.9	71	34	56	4.3	88
Wastewater Discharge Indicator (toxicity-weighted concentration/m distance)	0.015	0.66	96	1.1	89	30	82
Demographic Indicators							
Demographic Index	38%	34%	63	37%	59	36%	61
Minority Population	55%	43%	65	44%	64	38%	70
Low Income Population	21%	25%	55	30%	43	34%	33
Linguistically Isolated Population	9%	7%	72	8%	69	4%	81
Population With Less Than High School Education	11%	11%	62	13%	54	13%	54
Population Under 5 years of age	6%	6%	56	6%	56	6%	51
Population over 64 years of age	13%	15%	53	15%	50	14%	52

* The National-Scale Air Toxics Assessment (NATA) is EPA's ongoing, comprehensive evaluation of air toxics in the United States. EPA developed the NATA to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that NATA provides broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. More information on the NATA analysis can be found at: <https://www.epa.gov/national-air-toxics-assessment>.

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EJSCREEN Report (Version 2018)

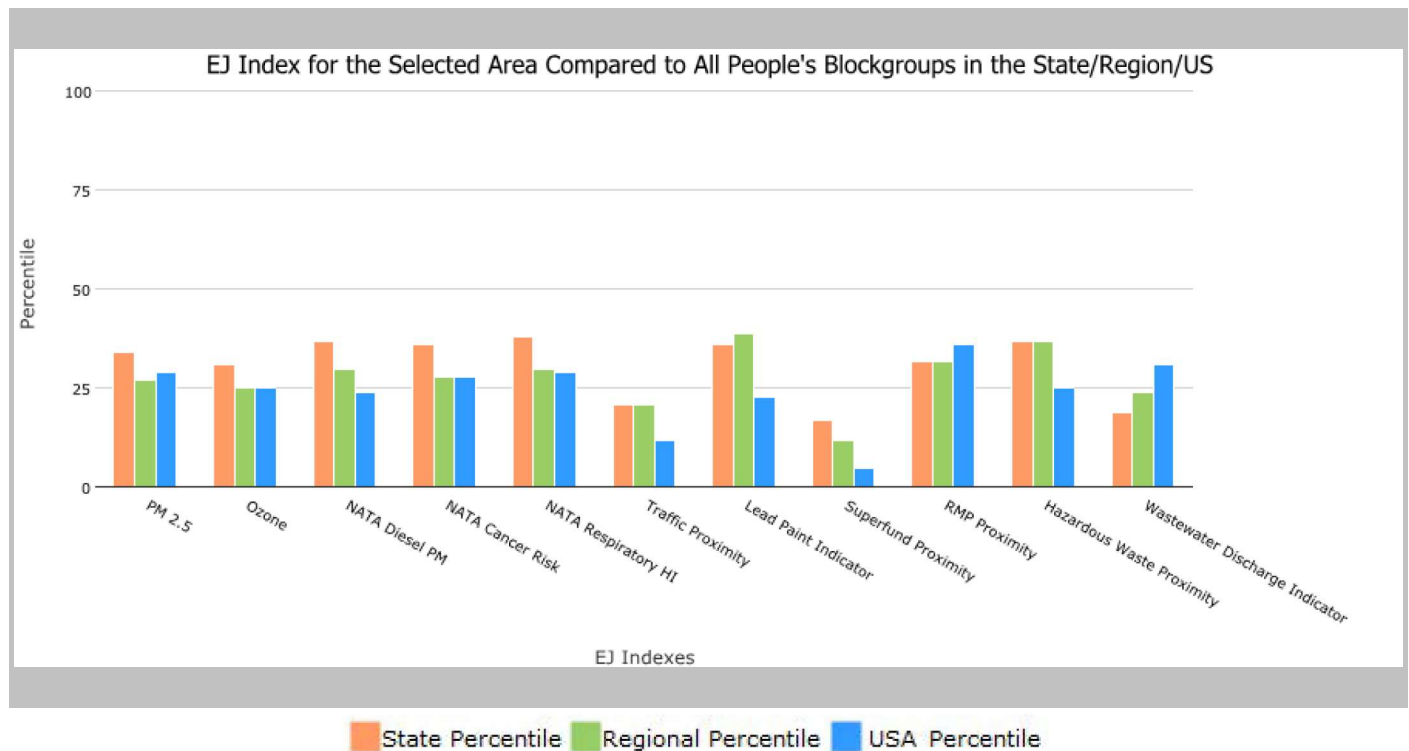
County: Monmouth, NEW JERSEY, EPA Region 2

Approximate Population: 627,532

Input Area (sq. miles): 665.47

(The study area contains 2 blockgroup(s) with zero population.)

Selected Variables	State Percentile	EPA Region Percentile	USA Percentile
EJ Indexes			
EJ Index for PM2.5	34	27	29
EJ Index for Ozone	31	25	25
EJ Index for NATA* Diesel PM	37	30	24
EJ Index for NATA* Air Toxics Cancer Risk	36	28	28
EJ Index for NATA* Respiratory Hazard Index	38	30	29
EJ Index for Traffic Proximity and Volume	21	21	12
EJ Index for Lead Paint Indicator	36	39	23
EJ Index for Superfund Proximity	17	12	5
EJ Index for RMP Proximity	32	32	36
EJ Index for Hazardous Waste Proximity	37	37	25
EJ Index for Wastewater Discharge Indicator	19	24	31



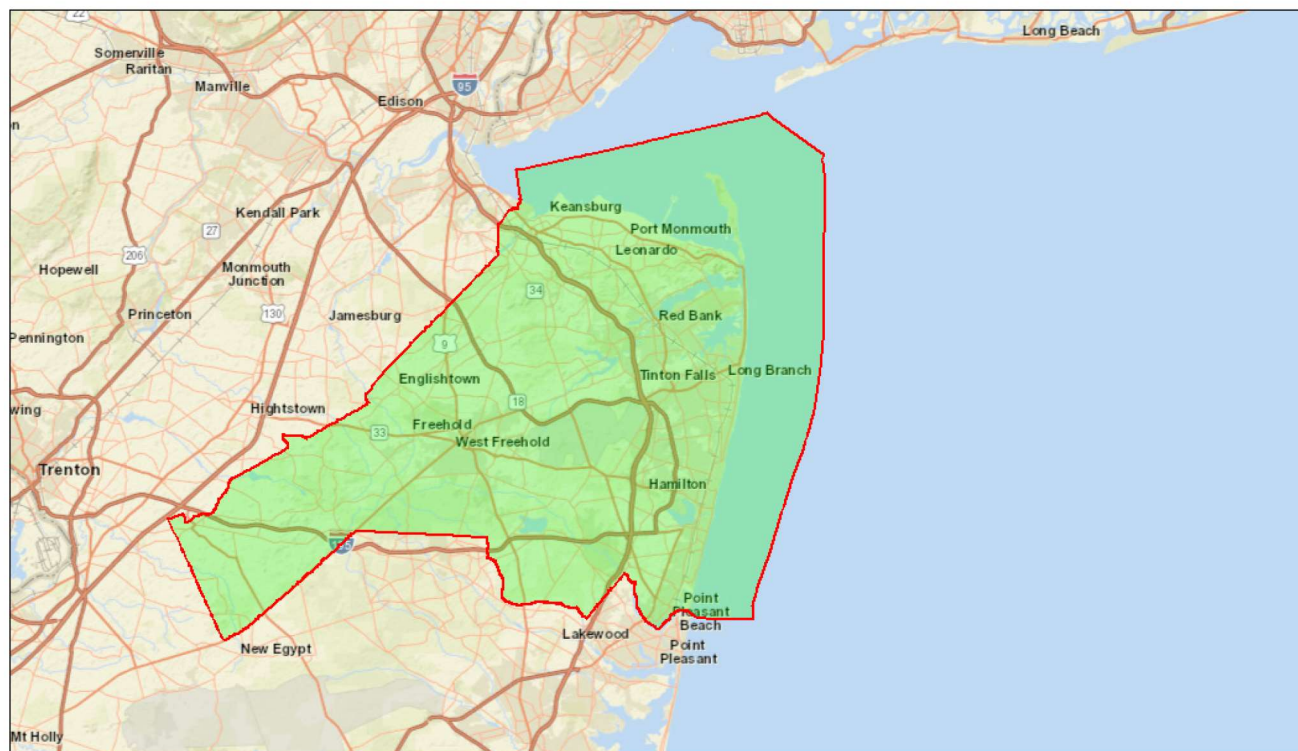
This report shows the values for environmental and demographic indicators and EJSCREEN indexes. It shows environmental and demographic raw data (e.g., the estimated concentration of ozone in the air), and also shows what percentile each raw data value represents. These percentiles provide perspective on how the selected block group or buffer area compares to the entire state, EPA region, or nation. For example, if a given location is at the 95th percentile nationwide, this means that only 5 percent of the US population has a higher block group value than the average person in the location being analyzed. The years for which the data are available, and the methods used, vary across these indicators. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJSCREEN documentation for discussion of these issues before using reports.

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Sites reporting to EPA	
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Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF)	16

EJSCREEN Report (Version 2018)

County: Monmouth, NEW JERSEY, EPA Region 2

Approximate Population: 627,532

Input Area (sq. miles): 665.47

(The study area contains 2 blockgroup(s) with zero population.)



Selected Variables	Value	State Avg.	%ile in State	EPA Region Avg.	%ile in EPA Region	USA Avg.	%ile in USA
Environmental Indicators							
Particulate Matter (PM 2.5 in $\mu\text{g}/\text{m}^3$)	8.59	9.43	12	9.21	24	9.53	30
Ozone (ppb)	44.8	43.6	76	41.9	91	42.5	73
NATA* Diesel PM ($\mu\text{g}/\text{m}^3$)	0.773	1.31	27	1.88	<50th	0.938	50-60th
NATA* Cancer Risk (lifetime risk per million)	35	42	24	44	<50th	40	<50th
NATA* Respiratory Hazard Index	1.4	2.1	23	2.4	<50th	1.8	<50th
Traffic Proximity and Volume (daily traffic count/distance to road)	330	660	58	1800	54	600	71
Lead Paint Indicator (% Pre-1960 Housing)	0.33	0.41	41	0.51	29	0.29	64
Superfund Proximity (site count/km distance)	0.23	0.43	55	0.28	70	0.12	88
RMP Proximity (facility count/km distance)	0.17	0.71	43	0.57	40	0.72	36
Hazardous Waste Proximity (facility count/km distance)	0.5	4.9	32	34	25	4.3	51
Wastewater Discharge Indicator (toxicity-weighted concentration/m distance)	2.4E-06	0.66	55	1.1	52	30	46
Demographic Indicators							
Demographic Index	21%	34%	39	37%	37	36%	32
Minority Population	24%	43%	37	44%	40	38%	44
Low Income Population	18%	25%	48	30%	37	34%	27
Linguistically Isolated Population	4%	7%	53	8%	53	4%	67
Population With Less Than High School Education	7%	11%	47	13%	39	13%	39
Population Under 5 years of age	5%	6%	47	6%	46	6%	42
Population over 64 years of age	16%	15%	64	15%	62	14%	62

* The National-Scale Air Toxics Assessment (NATA) is EPA's ongoing, comprehensive evaluation of air toxics in the United States. EPA developed the NATA to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that NATA provides broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. More information on the NATA analysis can be found at: <https://www.epa.gov/national-air-toxics-assessment>.

For additional information, see: www.epa.gov/environmentaljustice

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EJSCREEN Report (Version 2018)

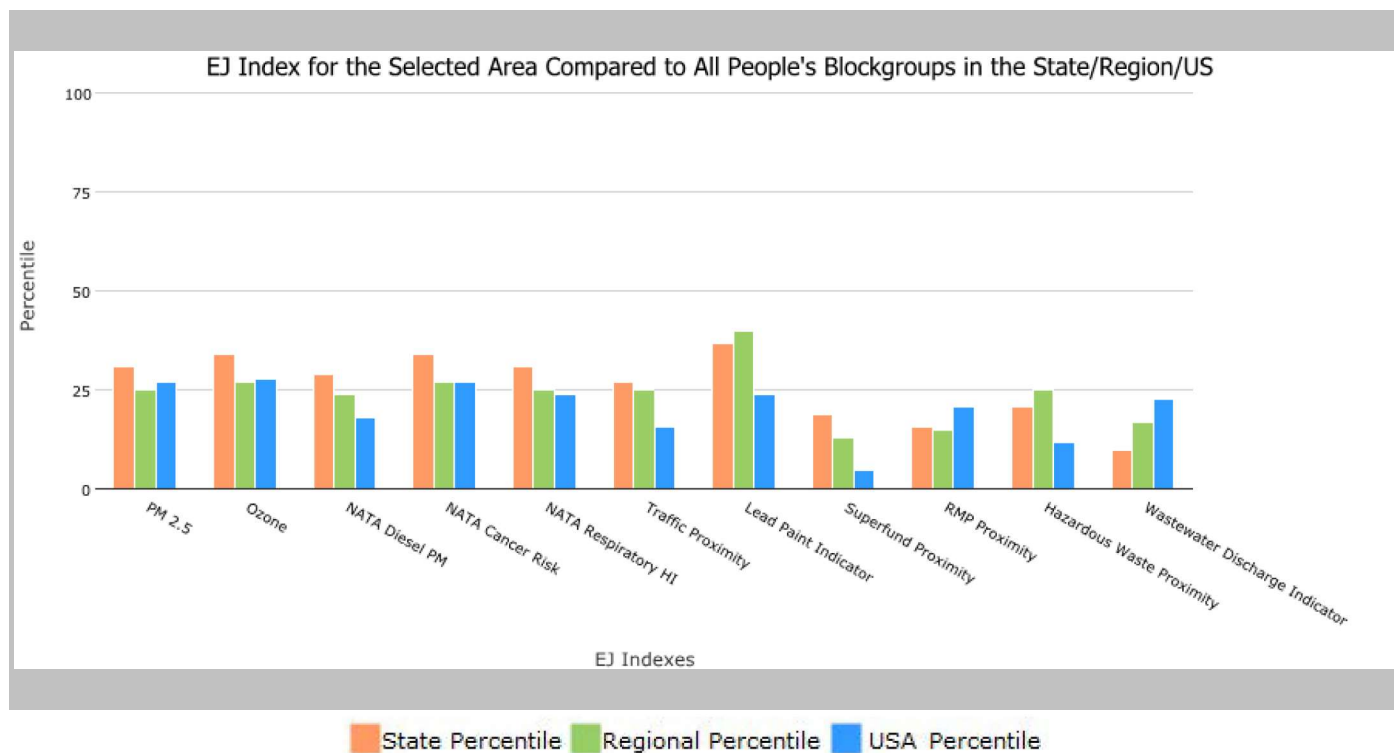
County: Burlington, NEW JERSEY, EPA Region 2

Approximate Population: 450,236

Input Area (sq. miles): 820.17

(The study area contains 1 blockgroup(s) with zero population.)

Selected Variables	State Percentile	EPA Region Percentile	USA Percentile
EJ Indexes			
EJ Index for PM2.5	31	25	27
EJ Index for Ozone	34	27	28
EJ Index for NATA* Diesel PM	29	24	18
EJ Index for NATA* Air Toxics Cancer Risk	34	27	27
EJ Index for NATA* Respiratory Hazard Index	31	25	24
EJ Index for Traffic Proximity and Volume	27	25	16
EJ Index for Lead Paint Indicator	37	40	24
EJ Index for Superfund Proximity	19	13	5
EJ Index for RMP Proximity	16	15	21
EJ Index for Hazardous Waste Proximity	21	25	12
EJ Index for Wastewater Discharge Indicator	10	17	23



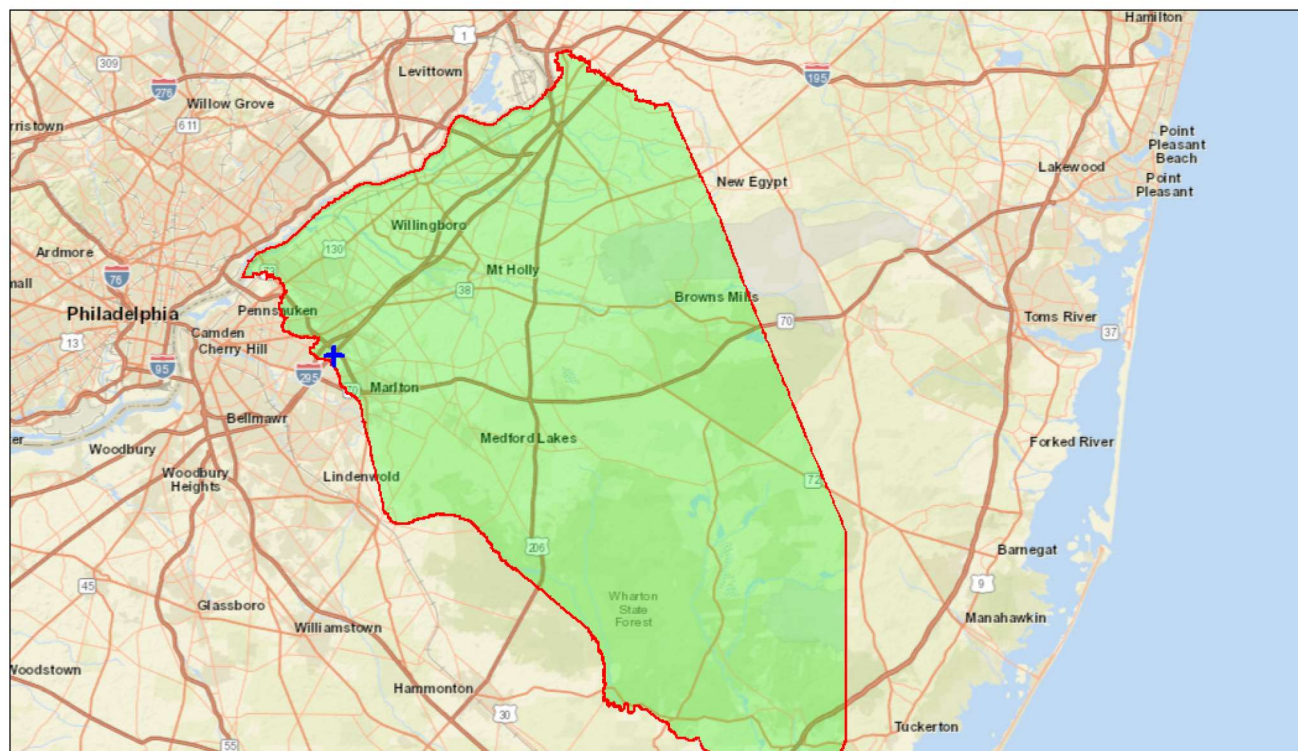
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Approximate Population: 450,236

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Sites reporting to EPA

Superfund NPL	11
Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF)	25

EJSCREEN Report (Version 2018)

County: Burlington, NEW JERSEY, EPA Region 2

Approximate Population: 450,236

Input Area (sq. miles): 820.17

(The study area contains 1 blockgroup(s) with zero population.)

Selected Variables	Value	State Avg.	%ile in State	EPA Region Avg.	%ile in EPA Region	USA Avg.	%ile in USA
Environmental Indicators							
Particulate Matter (PM 2.5 in $\mu\text{g}/\text{m}^3$)	10.3	9.43	89	9.21	95	9.53	64
Ozone (ppb)	44.8	43.6	76	41.9	91	42.5	73
NATA* Diesel PM ($\mu\text{g}/\text{m}^3$)	1.05	1.31	47	1.88	<50th	0.938	60-70th
NATA* Cancer Risk (lifetime risk per million)	39	42	40	44	<50th	40	<50th
NATA* Respiratory Hazard Index	1.8	2.1	43	2.4	<50th	1.8	50-60th
Traffic Proximity and Volume (daily traffic count/distance to road)	240	660	52	1800	48	600	65
Lead Paint Indicator (% Pre-1960 Housing)	0.27	0.41	35	0.51	23	0.29	58
Superfund Proximity (site count/km distance)	0.34	0.43	66	0.28	79	0.12	92
RMP Proximity (facility count/km distance)	0.61	0.71	67	0.57	72	0.72	65
Hazardous Waste Proximity (facility count/km distance)	1.2	4.9	48	34	37	4.3	67
Wastewater Discharge Indicator (toxicity-weighted concentration/m distance)	0.00021	0.66	72	1.1	67	30	60
Demographic Indicators							
Demographic Index	24%	34%	44	37%	42	36%	39
Minority Population	31%	43%	45	44%	47	38%	52
Low Income Population	17%	25%	46	30%	34	34%	25
Linguistically Isolated Population	2%	7%	39	8%	41	4%	55
Population With Less Than High School Education	7%	11%	46	13%	38	13%	38
Population Under 5 years of age	5%	6%	48	6%	48	6%	43
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