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| Steve Fugate | 11/9/2009 | Detailed Report from the Diesel Emissions Quantifier |
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|----------------------------|-------------------|------------------|-----------------|--------------|------------|
| Contact Information | | | | | |
| Salutation | First Name | Last Name | Position | Phone | Fax |
| | Steve | Fugate | | 5158682545 | |

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|-----------------------------|--------------------|-----------------------------|-------------------------------|-------------------------------------|-----------------------------|
| Smartway Information | | | | | |
| swQuestion1 | swQuestion2 | swQuestion3_ST_Owned | swQuestion3_ST_L eased | swQuestion3_ST_Subcontracted | swQuestion3_TC_Owned |
| SW0 | | | | | |

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|-----------------------------|---------------------|-------------------------------|-------------------|----------------------|---------------------------|
| Annual/Daily Results | | | | | |
| Vehicle Class Number | Sector | Vehicle/Equipment Type | Model Year | Retrofit Year | Number of Vehicles |
| 1 | City/County Vehicle | Class 5 (16,001-19,500 lbs) | 2007 | 2009 | 1 |
| 2 | Construction | Skid Steer Loaders | 2000 | 2009 | 1 |
| 3 | Construction | Skid Steer Loaders | 2000 | 2009 | 1 |
| 4 | Construction | Cranes | 1980 | 2009 | 1 |
| 5 | Construction | Dumpers/Tenders | 1980 | 2009 | 1 |
| 6 | Agriculture | Agricultural Mowers | 2000 | 2009 | 6 |
| 7 | Construction | Skid Steer Loaders | 1980 | 2009 | 5 |
| 8 | Stationary | Power generation | 2002 | 2009 | 1 |
| 9 | Construction | Tractors/Loaders/Backhoes | 2002 | 2009 | 2 |
| 10 | Construction | Skid Steer Loaders | 2005 | 2009 | 4 |

| | | | | | |
|-----------------------------|---------------------|-------------------------------|-------------------|----------------------|---------------------------|
| Lifetime Results | | | | | |
| Vehicle Class Number | Sector | Vehicle/Equipment Type | Model Year | Retrofit Year | Number of Vehicles |
| 1 | City/County Vehicle | Class 5 (16,001-19,500 lbs) | 2007 | 2009 | 1 |
| 2 | Construction | Skid Steer Loaders | 2000 | 2009 | 1 |

| | | | | | |
|----|--------------|---------------------------|------|------|---|
| 3 | Construction | Skid Steer Loaders | 2000 | 2009 | 1 |
| 4 | Construction | Cranes | 1980 | 2009 | 1 |
| 5 | Construction | Dumpers/Tenders | 1980 | 2009 | 1 |
| 6 | Agriculture | Agricultural Mowers | 2000 | 2009 | 6 |
| 7 | Construction | Skid Steer Loaders | 1980 | 2009 | 5 |
| 8 | Stationary | Power generation | 2002 | 2009 | 1 |
| 9 | Construction | Tractors/Loaders/Backhoes | 2002 | 2009 | 2 |
| 10 | Construction | Skid Steer Loaders | 2005 | 2009 | 4 |

| Funding | | | | | | |
|--------------------|------------|---------------------------------|--------------|-----------------------|------------|--|
| Fleet Entry | | | | | | |
| | EPA | Federal (other than EPA) | State | Regional/Local | SEP | |
| 1 | 20000 | 0 | 0 | 0 | 0 | |
| 2 | 0 | 0 | 0 | 0 | 0 | |
| 3 | 0 | 0 | 0 | 0 | 0 | |
| 4 | 0 | 0 | 0 | 0 | 0 | |
| 5 | 0 | 0 | 0 | 0 | 0 | |
| 6 | 0 | 0 | 0 | 0 | 0 | |
| 7 | 0 | 0 | 0 | 0 | 0 | |
| 8 | 0 | 0 | 0 | 0 | 0 | |
| 9 | 0 | 0 | 0 | 0 | 0 | |
| 10 | 0 | 0 | 0 | 0 | 0 | |

| Email | Organization Name | Url | Address | City | State |
|---------------------------|-------------------|-----|---------|------|-------|
| steve.fugate@dnr.iowa.gov | Iowa DNR | | | | |

| swQuestion3_TC_Leased | swQuestion3_TC_Subcontracted | swQuestion3_TL_Owned | swQuestion3_TL_Leased | swQuestion3_TL_Subcontracted | swQuestion4_Truck |
|-----------------------|------------------------------|----------------------|-----------------------|------------------------------|-------------------|
| | | | | | |

| Usage Rate/Year | Horsepower | Fuel Type | Fuel Usage (gal) | Vehicle Miles Traveled/Year (VMT) | Technology |
|-----------------|------------|-------------------------------|------------------|-----------------------------------|------------------|
| | 0 | Regular Diesel (ULSD), 15 ppm | 1033 | 12354 | Biodiesel (B100) |
| 40 | 100 | Regular Diesel (LSD), 500 ppm | 284 | | Biodiesel (B100) |
| 30 | 25 | Regular Diesel (LSD), 500 ppm | 212 | | Biodiesel (B100) |
| 15 | 600 | Regular Diesel (LSD), 500 ppm | 346 | | Biodiesel (B100) |
| 35 | 175 | Regular Diesel (LSD), 500 ppm | 416 | | Biodiesel (B100) |
| 30 | 100 | Regular Diesel (LSD), 500 ppm | 193 | | Biodiesel (B100) |
| 20 | 100 | Regular Diesel (LSD), 500 ppm | 674 | | Biodiesel (B100) |
| 25 | 600 | Regular Diesel (LSD), 500 ppm | 506 | | Biodiesel (B100) |
| 40 | 75 | Regular Diesel (LSD), 500 ppm | 491 | | Biodiesel (B100) |
| 20 | 50 | Regular Diesel (LSD), 500 ppm | 353 | | Biodiesel (B100) |

| Usage Rate/Year | Horsepower | Fuel Type | Fuel Usage (gal) | Vehicle Miles Traveled/Year (VMT) | Technology |
|-----------------|------------|-------------------------------|------------------|-----------------------------------|------------------|
| | 0 | Regular Diesel (ULSD), 15 ppm | 1033 | 12354 | Biodiesel (B100) |
| 40 | 100 | Regular Diesel (LSD), 500 ppm | 284 | | Biodiesel (B100) |

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|-----|
| Zip |
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| | | | | | |
|-----------------------|--------------------|---------------------|-------------------|-------------|-------------|
| swQuestion4_LessTruck | swQuestion4_Pickup | swQuestion4_Leasing | swQuestion4_Other | swQuestion5 | swQuestion6 |
| | | | | | |

| Number of Vehicles Retrofitted | Installation Cost | Unit Cost | Total Project Cost | Baseline of Entire Fleet (NOx, tons/year) | Baseline of Vehicles Retrofitted (NOx, tons/year) | Percent Reduced (NOx, %)* |
|--------------------------------|-------------------|-----------|--------------------|---|---|---------------------------|
| 1 | \$0.00 | \$0.00 | \$20,000.00 | 0.0381 | 0.0381 | -10.00% |
| 1 | \$0.00 | \$0.00 | \$0.00 | 0.0049 | 0.0049 | -10.00% |
| 1 | \$0.00 | \$0.00 | \$0.00 | 0.0007 | 0.0007 | -10.00% |
| 1 | \$0.00 | \$0.00 | \$0.00 | 0.0309 | 0.0309 | -10.00% |
| 1 | \$0.00 | \$0.00 | \$0.00 | 0.0096 | 0.0096 | -10.00% |
| 6 | \$0.00 | \$0.00 | \$0.00 | 0.0477 | 0.0477 | -10.00% |
| 5 | \$0.00 | \$0.00 | \$0.00 | 0.0212 | 0.0212 | -10.00% |
| 1 | \$0.00 | \$0.00 | \$0.00 | 0.0216 | 0.0216 | -10.00% |
| 2 | \$0.00 | \$0.00 | \$0.00 | 0.0072 | 0.0072 | -10.00% |
| 4 | \$0.00 | \$0.00 | \$0.00 | 0.0044 | 0.0044 | -10.00% |

| Number of Vehicles Retrofitted | Installation Cost | Unit Cost | Total Project Cost | Baseline of Entire Fleet (NOx, tons/year) | Baseline of Vehicles Retrofitted (NOx, tons/year) | Percent Reduced (NOx, %)* |
|--------------------------------|-------------------|-----------|--------------------|---|---|---------------------------|
| 1 | \$0.00 | \$0.00 | \$20,000.00 | 0.6194 | 0.6194 | -10.00% |
| 1 | \$0.00 | \$0.00 | \$0.00 | 0.0763 | 0.0763 | -10.00% |

| | | | | | | |
|---|--------|--------|--------|--------|--------|---------|
| 1 | \$0.00 | \$0.00 | \$0.00 | 0.004 | 0.004 | -10.00% |
| 1 | \$0.00 | \$0.00 | \$0.00 | 0.0309 | 0.0309 | -10.00% |
| 1 | \$0.00 | \$0.00 | \$0.00 | 0.0096 | 0.0096 | -10.00% |
| 6 | \$0.00 | \$0.00 | \$0.00 | 0.5651 | 0.5651 | -10.00% |
| 5 | \$0.00 | \$0.00 | \$0.00 | 0.0212 | 0.0212 | -10.00% |
| 1 | \$0.00 | \$0.00 | \$0.00 | 0.4571 | 0.4571 | -10.00% |
| 2 | \$0.00 | \$0.00 | \$0.00 | 0.0864 | 0.0864 | -10.00% |
| 4 | \$0.00 | \$0.00 | \$0.00 | 0.0443 | 0.0443 | -10.00% |

| Amount Reduced Per Year (NOx, tons/year) | Kilograms Reduced Per Day (NOx, kg/day) | Baseline of Entire Fleet (PM, tons/year) |
|---|--|---|
| -0.0038 | -0.0095 | 0.0002 |
| -0.0005 | -0.0012 | 0.0008 |
| -0.0001 | -0.0002 | 0.0001 |
| -0.0031 | -0.0077 | 0.0038 |
| -0.001 | -0.0024 | 0.0021 |
| -0.0048 | -0.0118 | 0.006 |
| -0.0021 | -0.0053 | 0.0051 |
| -0.0022 | -0.0054 | 0.0007 |
| -0.0007 | -0.0018 | 0.0012 |
| -0.0004 | -0.0011 | 0.0007 |

| Amount Reduced Per Year (NOx, tons/year) | Amount Emitted After Retrofit, Entire Fleet (NOx, tons) | Amount Emitted After Retrofit, Retrofitted Vehicles (NOx, tons) |
|---|--|--|
| -0.0619 | 0.6813 | 0.6813 |
| -0.0076 | 0.0839 | 0.0839 |

| | | |
|---------|--------|--------|
| -0.0004 | 0.0044 | 0.0044 |
| -0.0031 | 0.034 | 0.034 |
| -0.001 | 0.0105 | 0.0105 |
| -0.0565 | 0.6216 | 0.6216 |
| -0.0021 | 0.0233 | 0.0233 |
| -0.0457 | 0.5028 | 0.5028 |
| -0.0086 | 0.0951 | 0.0951 |
| -0.0044 | 0.0487 | 0.0487 |

| Baseline of Vehicles Retrofitted (PM, tons/year) | Percent Reduced (PM, %)* | Amount Reduced Per Year (PM, tons/year) |
|---|---------------------------------|--|
| 0.0002 | 40.00% | 0.0001 |
| 0.0008 | 40.00% | 0.0003 |
| 0.0001 | 40.00% | 0 |
| 0.0038 | 40.00% | 0.0015 |
| 0.0021 | 40.00% | 0.0008 |
| 0.006 | 40.00% | 0.0024 |
| 0.0051 | 40.00% | 0.002 |
| 0.0007 | 40.00% | 0.0003 |
| 0.0012 | 40.00% | 0.0005 |
| 0.0007 | 40.00% | 0.0003 |

| Capital Cost Effectiveness (\$/ton), Retrofitted Vehicles (NOx) | Baseline of Entire Fleet (PM, tons/year) | Baseline of Vehicles Retrofitted (PM, tons/year) |
|--|---|---|
| \$0.00 | 0.0036 | 0.0036 |
| \$0.00 | 0.0129 | 0.0129 |

| | | |
|--------|--------|--------|
| \$0.00 | 0.0005 | 0.0005 |
| \$0.00 | 0.0038 | 0.0038 |
| \$0.00 | 0.0021 | 0.0021 |
| \$0.00 | 0.0713 | 0.0713 |
| \$0.00 | 0.0051 | 0.0051 |
| \$0.00 | 0.0155 | 0.0155 |
| \$0.00 | 0.0149 | 0.0149 |
| \$0.00 | 0.0067 | 0.0067 |

| Kilograms Reduced Per Day (PM, kg/day) | Baseline of Entire Fleet (HC, tons/year) | Baseline of Vehicles Retrofitted (HC, tons/year) |
|---|---|---|
| 0.0002 | 0.0014 | 0.0014 |
| 0.0008 | 0.0009 | 0.0009 |
| 0.0001 | 0.0001 | 0.0001 |
| 0.0038 | 0.0028 | 0.0028 |
| 0.0021 | 0.0012 | 0.0012 |
| 0.006 | 0.0049 | 0.0049 |
| 0.005 | 0.007 | 0.007 |
| 0.0007 | 0.0008 | 0.0008 |
| 0.0012 | 0.0014 | 0.0014 |
| 0.0007 | 0.0005 | 0.0005 |

| Percent Reduced (PM, %)* | Amount Reduced Per Year (PM, tons/year) | Amount Emitted After Retrofit, Entire Fleet (PM, tons) |
|---------------------------------|--|---|
| 40.00% | 0.0014 | 0.0022 |
| 40.00% | 0.0052 | 0.0078 |

| | | |
|--------|--------|--------|
| 40.00% | 0.0002 | 0.0003 |
| 40.00% | 0.0015 | 0.0023 |
| 40.00% | 0.0008 | 0.0013 |
| 40.00% | 0.0285 | 0.0428 |
| 40.00% | 0.002 | 0.003 |
| 40.00% | 0.0062 | 0.0093 |
| 40.00% | 0.006 | 0.0089 |
| 40.00% | 0.0027 | 0.004 |

| Percent Reduced (HC, %)* | Amount Reduced Per Year (HC, tons/year) | Kilograms Reduced Per Day (HC, kg/day) |
|--------------------------|---|--|
| 60.00% | 0.0008 | 0.002 |
| 60.00% | 0.0006 | 0.0014 |
| 60.00% | 0.0001 | 0.0002 |
| 60.00% | 0.0017 | 0.0041 |
| 60.00% | 0.0007 | 0.0018 |
| 60.00% | 0.0029 | 0.0073 |
| 60.00% | 0.0042 | 0.0105 |
| 60.00% | 0.0005 | 0.0013 |
| 60.00% | 0.0008 | 0.0021 |
| 60.00% | 0.0003 | 0.0008 |

| Amount Emitted After Retrofit, Retrofitted Vehicles (PM, tons) | Capital Cost Effectiveness (\$/ton), Retrofitted Vehicles (PM) | Baseline of Entire Fleet (HC, tons/year) |
|--|--|--|
| 0.0022 | \$0.00 | 0.0223 |
| 0.0078 | \$0.00 | 0.0149 |

| | | |
|--------|--------|--------|
| 0.0003 | \$0.00 | 0.0008 |
| 0.0023 | \$0.00 | 0.0028 |
| 0.0013 | \$0.00 | 0.0012 |
| 0.0428 | \$0.00 | 0.0579 |
| 0.003 | \$0.00 | 0.007 |
| 0.0093 | \$0.00 | 0.018 |
| 0.0089 | \$0.00 | 0.0169 |
| 0.004 | \$0.00 | 0.0055 |

| Baseline of Entire Fleet (CO, tons/year) | Baseline of Vehicles Retrofitted (CO, tons/year) | Percent Reduced (CO, %)* |
|--|--|--------------------------|
| 0.0015 | 0.0015 | 45.00% |
| 0.0049 | 0.0049 | 45.00% |
| 0.0008 | 0.0008 | 45.00% |
| 0.0073 | 0.0073 | 45.00% |
| 0.0036 | 0.0036 | 45.00% |
| 0.0337 | 0.0337 | 45.00% |
| 0.0268 | 0.0268 | 45.00% |
| 0.0042 | 0.0042 | 45.00% |
| 0.0073 | 0.0073 | 45.00% |
| 0.0034 | 0.0034 | 45.00% |

| Baseline of Vehicles Retrofitted (HC, tons/year) | Percent Reduced (HC, %)* | Amount Reduced Per Year (HC, tons/year) |
|--|--------------------------|---|
| 0.0223 | 60.00% | 0.0134 |
| 0.0149 | 60.00% | 0.0089 |

| | | |
|--------|--------|--------|
| 0.0008 | 60.00% | 0.0005 |
| 0.0028 | 60.00% | 0.0017 |
| 0.0012 | 60.00% | 0.0007 |
| 0.0579 | 60.00% | 0.0347 |
| 0.007 | 60.00% | 0.0042 |
| 0.018 | 60.00% | 0.0108 |
| 0.0169 | 60.00% | 0.0101 |
| 0.0055 | 60.00% | 0.0033 |

| Amount Reduced Per Year (CO, tons/year) | Kilograms Reduced Per Day (CO, kg/day) | Baseline of Entire Fleet (CO2, tons/year) |
|--|---|--|
| 0.0007 | 0.0017 | 11.4663 |
| 0.0022 | 0.0055 | 3.1524 |
| 0.0004 | 0.0009 | 2.3532 |
| 0.0033 | 0.0082 | 3.8406 |
| 0.0016 | 0.0041 | 4.6176 |
| 0.0152 | 0.0377 | 2.1423 |
| 0.012 | 0.0299 | 7.4814 |
| 0.0019 | 0.0047 | 5.6166 |
| 0.0033 | 0.0082 | 5.4501 |
| 0.0015 | 0.0038 | 3.9183 |

| Amount Emitted After Retrofit, Entire Fleet (HC, tons) | Amount Emitted After Retrofit, Retrofitted Vehicles (HC, tons) | Capital Cost Effectiveness (\$/ton), Retrofitted Vehicles (HC) |
|---|---|---|
| 0.0089 | 0.0089 | \$0.00 |
| 0.006 | 0.006 | \$0.00 |

| | | |
|--------|--------|--------|
| 0.0003 | 0.0003 | \$0.00 |
| 0.0011 | 0.0011 | \$0.00 |
| 0.0005 | 0.0005 | \$0.00 |
| 0.0232 | 0.0232 | \$0.00 |
| 0.0028 | 0.0028 | \$0.00 |
| 0.0072 | 0.0072 | \$0.00 |
| 0.0067 | 0.0067 | \$0.00 |
| 0.0022 | 0.0022 | \$0.00 |

| Baseline of Vehicles Retrofitted (CO₂, tons/year) | Percent Reduced (CO₂, %)* | Amount Reduced Per Year (CO₂, tons/year) |
|---|---|--|
| 11.4663 | 5.20% | 0.5962 |
| 3.1524 | 5.20% | 0.1639 |
| 2.3532 | 5.20% | 0.1224 |
| 3.8406 | 5.20% | 0.1997 |
| 4.6176 | 5.20% | 0.2401 |
| 2.1423 | 5.20% | 0.1114 |
| 7.4814 | 5.20% | 0.389 |
| 5.6166 | 5.20% | 0.2921 |
| 5.4501 | 5.20% | 0.2834 |
| 3.9183 | 5.20% | 0.2038 |

| Baseline of Entire Fleet (CO, tons/year) | Baseline of Vehicles Retrofitted (CO, tons/year) | Percent Reduced (CO, %)* |
|---|---|---------------------------------|
| 0.0244 | 0.0244 | 45.00% |
| 0.0772 | 0.0772 | 45.00% |

| | | |
|--------|--------|--------|
| 0.0047 | 0.0047 | 45.00% |
| 0.0073 | 0.0073 | 45.00% |
| 0.0036 | 0.0036 | 45.00% |
| 0.3995 | 0.3995 | 45.00% |
| 0.0268 | 0.0268 | 45.00% |
| 0.0898 | 0.0898 | 45.00% |
| 0.0877 | 0.0877 | 45.00% |
| 0.0345 | 0.0345 | 45.00% |

| Kilograms Reduced Per Day (CO₂, kg/day) | Baseline of Entire Fleet (Diesel-Equivalent, tons/year) | Baseline of Vehicles Retrofitted (Diesel-Equivalent, tons/year) |
|---|--|--|
| 1.4819 | 1,033.00 | 1,033.00 |
| 0.4074 | 284 | 284 |
| 0.3041 | 212 | 212 |
| 0.4964 | 346 | 346 |
| 0.5968 | 416 | 416 |
| 0.2769 | 193 | 193 |
| 0.9669 | 674 | 674 |
| 0.7259 | 506 | 506 |
| 0.7044 | 491 | 491 |
| 0.5064 | 353 | 353 |

| Amount Reduced Per Year (CO, tons/year) | Amount Emitted After Retrofit, Entire Fleet (CO, tons) | Amount Emitted After Retrofit, Retrofitted Vehicles (CO, tons) |
|--|---|---|
| 0.011 | 0.0134 | 0.0134 |
| 0.0347 | 0.0424 | 0.0424 |

| | | |
|--------|--------|--------|
| 0.0021 | 0.0026 | 0.0026 |
| 0.0033 | 0.004 | 0.004 |
| 0.0016 | 0.002 | 0.002 |
| 0.1798 | 0.2197 | 0.2197 |
| 0.012 | 0.0147 | 0.0147 |
| 0.0404 | 0.0494 | 0.0494 |
| 0.0395 | 0.0482 | 0.0482 |
| 0.0155 | 0.019 | 0.019 |

| Percent Reduced (Diesel-Equivalent, %)* | Amount Reduced Per Year (Diesel-Equivalent, tons/year) | Kilograms Reduced Per Day (Diesel-Equivalent, kg/day) |
|--|---|--|
| 5.20% | 53.716 | 0.1472 |
| 5.20% | 14.768 | 0.0405 |
| 5.20% | 11.024 | 0.0302 |
| 5.20% | 17.992 | 0.0493 |
| 5.20% | 21.632 | 0.0593 |
| 5.20% | 10.036 | 0.0275 |
| 5.20% | 35.048 | 0.096 |
| 5.20% | 26.312 | 0.0721 |
| 5.20% | 25.532 | 0.07 |
| 5.20% | 18.356 | 0.0503 |

| Capital Cost Effectiveness (\$/ton), Retrofitted Vehicles (CO) | Baseline of Entire Fleet (CO2, tons/year) | Baseline of Vehicles Retrofitted (CO2, tons/year) |
|---|--|--|
| \$0.00 | 186.442 | 186.442 |
| \$0.00 | 49.3819 | 49.3819 |

| | | |
|--------|----------|----------|
| \$0.00 | 13.3309 | 13.3309 |
| \$0.00 | 3.8406 | 3.8406 |
| \$0.00 | 4.6176 | 4.6176 |
| \$0.00 | 25.3974 | 25.3974 |
| \$0.00 | 7.4814 | 7.4814 |
| \$0.00 | 118.8874 | 118.8874 |
| \$0.00 | 65.2468 | 65.2468 |
| \$0.00 | 39.8288 | 39.8288 |

| Percent Reduced (CO2, %)* | Amount Reduced Per Year (CO2, tons/year) | Amount Emitted After Retrofit, Entire Fleet (CO2, tons) |
|----------------------------------|---|--|
| 5.20% | 9.695 | 176.7471 |
| 5.20% | 2.5679 | 46.8141 |

| | | |
|-------|--------|----------|
| 5.20% | 0.6932 | 12.6377 |
| 5.20% | 0.1997 | 3.6409 |
| 5.20% | 0.2401 | 4.3775 |
| 5.20% | 1.3207 | 24.0767 |
| 5.20% | 0.389 | 7.0924 |
| 5.20% | 6.1821 | 112.7052 |
| 5.20% | 3.3928 | 61.8539 |
| 5.20% | 2.0711 | 37.7577 |

| Amount Emitted After Retrofit, Retrofitted Vehicles (CO2, tons) | Capital Cost Effectiveness (\$/ton), Retrofitted Vehicles (CO2) | Baseline of Entire Fleet (Diesel-Equivalent, tons/year) |
|--|--|--|
| 176.7471 | \$0.00 | 16,796.58 |
| 46.8141 | \$0.00 | 4,448.82 |

| | | |
|----------|--------|-----------|
| 12.6377 | \$0.00 | 1,200.99 |
| 3.6409 | \$0.00 | 346 |
| 4.3775 | \$0.00 | 416 |
| 24.0767 | \$0.00 | 2,288.05 |
| 7.0924 | \$0.00 | 674 |
| 112.7052 | \$0.00 | 10,710.57 |
| 61.8539 | \$0.00 | 5,878.09 |
| 37.7577 | \$0.00 | 3,588.18 |

| Baseline of Vehicles Retrofitted (Diesel-Equivalent, tons/year) | Percent Reduced (Diesel-Equivalent, %)* | Amount Reduced Per Year (Diesel-Equivalent, tons/year) |
|--|--|---|
| 16,796.58 | 5.20% | 873.4222 |
| 4,448.82 | 5.20% | 231.3388 |

| | | |
|-----------|-------|----------|
| 1,200.99 | 5.20% | 62.4513 |
| 346 | 5.20% | 17.992 |
| 416 | 5.20% | 21.632 |
| 2,288.05 | 5.20% | 118.9787 |
| 674 | 5.20% | 35.048 |
| 10,710.57 | 5.20% | 556.9499 |
| 5,878.09 | 5.20% | 305.6605 |
| 3,588.18 | 5.20% | 186.5851 |

| Amount Emitted After Retrofit, Entire Fleet (Diesel-Equivalent, tons) | Amount Emitted After Retrofit, Retrofitted Vehicles (Diesel-Equivalent, tons) | Capital Cost Effectiveness (\$/ton), Retrofitted Vehicles (Diesel-Equivalent) |
|--|--|--|
| 15,923.16 | 15,923.16 | \$0.00 |
| 4,217.49 | 4,217.49 | \$0.00 |

| | | |
|-----------|-----------|--------|
| 1,138.54 | 1,138.54 | \$0.00 |
| 328.008 | 328.008 | \$0.00 |
| 394.368 | 394.368 | \$0.00 |
| 2,169.07 | 2,169.07 | \$0.00 |
| 638.952 | 638.952 | \$0.00 |
| 10,153.63 | 10,153.63 | \$0.00 |
| 5,572.43 | 5,572.43 | \$0.00 |
| 3,401.59 | 3,401.59 | \$0.00 |