

2013 Retailers Motor Fuel Gallons Annual Report

Revised April 2014

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Introduction

In 2006 the Iowa General Assembly enacted H.F. 2754, an act pertaining to the regulation of renewable fuels and energy and providing incentives for the installation of biofuels infrastructure and the promotion of biofuels sales. This legislation established a goal that 25 percent of all petroleum used in the formulation of gasoline be replaced by biofuels by the year 2020.

To measure the State's progress toward achieving this goal, new reporting requirements for motor fuel retailers, administered by the Department of Revenue, were established (Iowa Code section 452A.33). In consultation with the Renewable Fuels Infrastructure Board, motor fuel retailers, and other interested parties, the Department established an annual reporting requirement by administrative rule (701-67.27).

Annual reports are due to the Department by January 31st for each subsequent year. However, because there are no penalties imposed for not filing a report, the information provided in this report does not reflect all retail motor fuel sales in the state. Motor fuel retailers filed the first annual report for sales made during calendar year 2007.

Reporting Requirements

Motor fuel retailers shall file either a paper form or an electronic file with annual motor fuel sales by location. The Retailers Motor Fuel Gallons Annual Report requires retailers to provide information on retail gallons sold for the following fuel types:

- Gasoline (non-ethanol blend)
- Ethanol E10 blend (10 to 14 percent ethanol)
- Ethanol E15/E20 blend (15 to 69 percent ethanol)
- Ethanol E85 blend (70 to 85 percent ethanol)
- Clear diesel (all blends)
- Dyed diesel (all blends)

The distinction between clear diesel and dyed diesel reflects whether the fuel is subject to State and federal road taxes. Dyed diesel fuel is not subject to road taxes and is sold for use in farm, construction, and other types of equipment that do not travel under their own power on public roads, except for short distances such as between farm fields.

For biodiesel additional detailed information is required for the sales of the following fuel blends:

- Clear B2 (2 percent biodiesel)
- Clear B5 (5 percent biodiesel)
- Clear B10 (10 percent biodiesel)
- Clear B20 (20 percent biodiesel)
- Clear Biodiesel Other
- Dyed B2 (2 percent biodiesel)

- Dyed B5 (5 percent biodiesel)
- Dyed B10 (10 percent biodiesel)
- Dyed B20 (20 percent biodiesel)
- Dyed Biodiesel Other

Statistical Summary for 2013

The Department identified 2,635 potential retail locations at which motor fuel may have been sold during 2013. Paper report forms were mailed to 1,685 locations identified using Department of Agriculture and Land Stewardship motor fuel license information and the Department of Revenue motor fuel tax database. Electronic report files were emailed to thirteen large motor fuel retailers with 950 locations that submitted their annual sales data electronically in prior years.

The Department received either paper forms or electronic files representing 2,300 (87.3%) of the locations. Replies from 145 locations indicated that no retail sales of any type of motor fuel were made during 2013. 2,155 locations reported retail motor fuel sales (see Table 1).

Of the reporting retail locations, 2,016 (93.6%) reported selling E10 blend motor fuel, 83 (3.9%) reported selling E15/E20, 206 (9.6%) reported selling E85, and 372 (17.3%) reported selling one or more of the various blends of biodiesel. Biofuel sales by these locations are summarized below and in Table 1.

Gasoline Fuel Sales

During 2013, the reported amount of E10 gasoline sold equaled 1,182.3 million gallons, the amount of E85 gasoline sold equaled 11.2 million gallons, and the amount of E15/E20 gasoline equaled 5.4 million gallons. Combined, the three ethanol blends represented 82.2 percent of total gasoline motor fuel sales during the year. 2,034 (96.1 %) of the 2,117 locations that sold gasoline motor fuels sold one or more ethanol blend.

Because over twelve percent of locations did not return their Retailers Motor Fuel Gallons Annual Report to the Department for 2013, gallons from the Department's Monthly Motor Fuel Tax Reports were used to estimate the amount of underreporting of gasoline sales. The gallons presented in the Monthly Motor Fuel Tax Reports reflect taxable motor fuel shipped from terminals rather than gallons sold at retail locations. Because the Monthly Motor Fuel Tax Reports reflect fuel shipments made during the prior month, taxable gallons reported in the monthly reports covering February 2013 through January 2014 were compared with gallons reported as sold by retailers completing the annual report. During this period, motor fuel taxes were paid on a total of 1,616.3 million gallons of gasoline fuels. In comparison, the 87.2 percent of retail locations that filed annual reports indicated 1,458.5 million gallons of gasoline fuels were sold, including all ethanol blends and non-ethanol gasoline, which equals 90.2 percent of taxable gallons reported for 2013.

Table 1. Iowa Gasoline, Diesel, and Biofuel Sales for Calendar Year 2013

| Data Description | Locations | Gallons | Pure Petroleum/Diesel | Pure Biofuel |
|--|----------------|---------------------|-----------------------|-------------------------------------|
| Gasoline (Non-Ethanol) | 1,844 | 259,600,967 | 259,600,967 | 0 |
| Ethanol | | | | |
| E10 | 2,016 | 1,182,293,271 | 1,064,063,944 | 118,229,327 |
| E15/E20 | 83 | 5,417,314 | 4,604,716 | 812,597 |
| E85 | 206 | 11,152,763 | 2,342,080 | 8,810,683 |
| Total Ethanol | 2,034 | 1,198,863,348 | 1,071,010,741 | 127,852,607 |
| Total Gasoline and Ethanol | 2,117 | 1,458,464,315 | 1,330,611,708 | 127,852,607 |
| Ethanol Share | 96.1% | 82.2% | | 8.8% |
| Clear Diesel (Non-Biodiesel) | 1,275 | 234,033,322 | 234,033,322 | 0 |
| Clear Biodiesel | | | | |
| B2 Clear | 67 | 13,627,559 | 13,355,008 | 272,551 |
| B5 Clear | 267 | 80,148,715 | 76,141,279 | 4,007,436 |
| B10 Clear | 141 | 72,410,451 | 65,169,406 | 7,241,045 |
| B20 Clear | 31 | 25,235,740 | 20,188,592 | 5,047,148 |
| Other Clear | 46 | 122,000,484 | 111,440,982 | 10,559,502 |
| Subtotal Clear Biodiesel | 339 | 313,422,949 | 286,295,267 | 27,127,682 |
| Clear Biodiesel Share | 21.0% | 57.3% | | 8.7% |
| Total Clear Diesel | | 547,456,271 | 520,328,589 | 27,127,682 |
| Dyed Diesel (Non-Biodiesel) | 313 | 125,137,732 | 125,137,732 | 0 |
| Dyed Biodiesel | | | | |
| B2 Dyed | 41 | 1,527,217 | 1,496,673 | 30,544 |
| B5 Dyed | 91 | 27,910,748 | 26,515,211 | 1,395,537 |
| B10 Dyed | 22 | 1,167,037 | 1,050,333 | 116,704 |
| B20 Dyed | 23 | 679,424 | 543,539 | 135,885 |
| Other Dyed | 41 | 3,097,403 | 2,931,202 | 166,201 |
| Subtotal Dyed Biodiesel | 125 | 34,381,829 | 32,536,957 | 1,844,872 |
| Dyed Biodiesel Share | 28.5% | 21.6% | | 5.4% |
| Total Dyed Diesel | | 159,519,561 | 157,674,689 | 1,844,872 |
| Total Biodiesel | 372 | 347,804,778 | 318,832,224 | 28,972,554 |
| Total Diesel and Biodiesel | 1,334 | 706,975,832 | 678,003,278 | 28,972,554 |
| Biodiesel Share | 27.9% | 49.2% | 0.0,000,210 | 4.1% |
| Total Fuel All Types Pure Biofuels Share of Gaso Biofuel Distribution Percenta | | 2,165,440,147 el | 2,008,614,985 | 156,825,161 7.2% 10.8% |
| Divide Distribution Fercenta | y c | | | 10.0% |

Source: 2013 Retailers Motor Fuel Gallons Annual Reports

Diesel Fuel Sales

During 2013, based on annual reports submitted to the Department, the amount of clear biodiesel sold equaled 313.4 million gallons, or 57.3 percent of total clear diesel fuel sales. Retailers reported selling 547.5 million of gallons of clear diesel fuel. In comparison, the number of taxable (clear) gallons of diesel fuel shipped during 2013 as reported on the Monthly Motor Fuel Tax Reports equaled 688.4 million. Therefore, retailers completing annual reports for 2013 accounted for 79.5 percent of diesel fuel on which motor fuel taxes were paid.

Also, during 2013, 159.5 million gallons of dyed (non-taxed) diesel fuel sales were reported on the annual reports, including 34.4 million biodiesel gallons (21.6%). Dyed diesel gallons are not captured in the Monthly Motor Fuel Tax Reports.

Based on the annual reports, 1,275 locations sold clear diesel fuel and 339 of these locations sold clear biodiesel fuel during 2013. In addition, 313 locations sold dyed diesel fuel and 125 of these locations sold dyed biodiesel fuel during 2013.

Total diesel gallons reported were 707.0 million gallons and total biodiesel gallons were 347.8 million gallons; therefore, biodiesel blended gallons accounted for 49.2 percent of diesel gallons sold by reporting retailers.

Biofuel Distribution Percentage

The primary purpose of this report is to provide the information needed to determine the State's progress toward replacing 25 percent of petroleum-based motor fuels with biofuels by the year 2020. Table 1 provides estimates of the breakdown between petroleum or diesel and pure biofuel for each fuel type.

For the purpose of measuring progress toward that goal, the following computations were made to estimate the amount of each type of fuel sold that was pure biofuel:

- For E10 blend gasoline fuel the number of gallons was multiplied by 0.10
- For E15/20 blend gasoline fuel the number of gallons was multiplied by 0.15
- For E85 blend gasoline fuel the number of gallons was multiplied by 0.79
- For B2 blend diesel fuel the number of gallons was multiplied by 0.02
- For B5 blend diesel fuel the number of gallons was multiplied by 0.05
- For B10 blend diesel fuel the number of gallons was multiplied by 0.10
- For B20 blend diesel fuel the number of gallons was multiplied by 0.20
- For other biodiesel blends the number of gallons was multiplied by the average pure biodiesel share for the other four blends (for clear other biodiesel: 0.087 and for dyed other biodiesel 0.054)

These calculations indicate that during 2013 pure ethanol comprised 8.8 percent of the volume of total gasoline and ethanol fuel sales. The aggregate ethanol gallonage, which is the number of pure ethanol gallons sold by retailers during 2013, was 127.9 million gallons. Pure biodiesel comprised 4.1 percent of diesel and biodiesel sales. The aggregate biodiesel gallonage, which is the number of pure biodiesel gallons sold by retailers during 2013, was 29.0 million gallons. Together, pure ethanol and pure biodiesel comprised 7.2 percent of all motor fuel sales reported by retail locations. However, the formula specified in lowa Code 452.31 (8) for the biofuel distribution percentage used to determine progress toward meeting the 25 percent biofuels goal does not include diesel fuel in its denominator. The formula is:

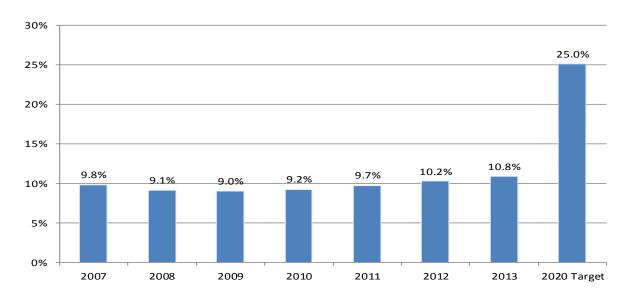
Biofuel Distribution Percentage = (Pure Ethanol Gallons + Pure Biodiesel Gallons) / Total Gasoline Gallons

Using this formula, during 2013 biofuels accounted for 10.8 percent of lowa retail motor fuel sales. This is an increase from the 10.2 percent calculated for 2012.

Figure 1 represents the biofuel distribution percentage reported in the 2007 through the current Retailers Motor Fuel Gallons Annual Reports. The jump in the biofuel distribution percentage in 2011 reflected a near doubling in the aggregate biodiesel gallonage reported by retailers that year (7.4 million to 14.0 million). The biofuel distribution percentage jumped again in 2012 when the aggregate biodiesel gallonage increased to 23.3 million gallons from 14.0 million in 2011. (The Appendix includes updated 2012 summary sales data. A review of 2012 data identified that some E15 gallons were missed in the report released last year, and a handful of late-filing stations were added.) The aggregate biodiesel gallonage rose to 29.0 million gallons in 2013.

In the 2012 Retailers Motor Fuel Gallons Annual Report, the non-ethanol gasoline reported by retailers comprised only 59.1 percent of the total gallons of taxable gasoline on the Monthly Motor Fuel Tax Reports for the same time period and 105.8 percent of the ethanol gallons reported. The higher ethanol composition reported by retailers reflects blending that occurs between the terminals and the final consumer (known as blending below the rack). Shares calculated for 2010 and 2011 are similar. In calendar year 2013 the gallons of gasoline reported by retailers on the annual reports represented 57.1 percent of the taxable gasoline gallons reported on the monthly reports and the gallons of ethanol reported by retailers represented 101.8 percent of the gasohol/ethanol taxable gallons reported on the monthly reports, showing a slight decline in the ratios of total retail gallons reported to taxable gallons for the most recent year.

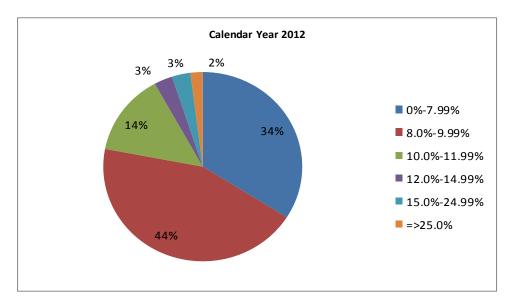
Figure 1: Biofuel Distribution Percentages Based on Annual Retailer Motor Fuel Reports, 2007-2013

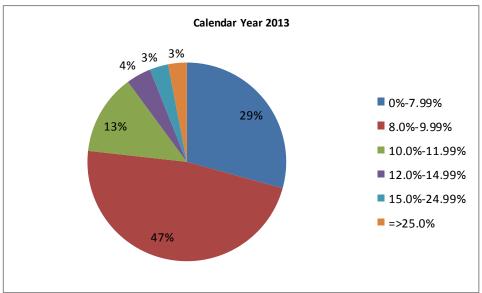


Although the 25 percent goal was for the state as a whole, it is instructive to consider that same measure at the retailer and county level. Figure 2 illustrates the breakdown of retail locations by biofuel distribution percentage calculated using the sales reported by each retail location for which Retailers Motor Fuel Gallons Annual Reports were filed in 2012 and 2013. The data includes only the retail locations that reported gasoline or ethanol sales in the respective calendar year, excluding those with only diesel sales reported. However, as noted above, the calculation of the biofuel distribution percentage includes any pure biodiesel sales reported at those locations.

In calendar year 2012 34 percent of retail locations had a biofuel distribution percentage under 8 percent; in calendar year 2013 29 percent of retail locations had a biofuel distribution percentage under 8 percent. In calendar year 2012 44 percent of retail locations had a biofuel distribution percentage between 8 percent and 9.99 percent; the share of retailers with a biofuel distribution percentage increased to 47 percent in 2013. Fourteen percent of motor fuel retail locations had a biofuel distribution percentage of 10 to 11.99 percent in 2012 compared to 13 percent in 2013, while the share of retailers reporting between 12 and 14.99 percent rose from 3 percent in 2012 to 4 percent in 2013. In calendar year 2012 2 percent of locations had a biofuel distribution percentage that met or exceeded the State's 25 percent goal; in calendar year 2013 that share rose slightly to 3 percent.

Figure 2: Breakdown of Retail Locations by Reported Biofuel Distribution Percentage





To further illustrate the biofuel percentage in lowa, Figure 3 maps the biofuel distribution percentage calculated by county. These percentages are based on total sales reported by the retailers within each county who remitted the 2013 annual gallons report. One county exceeded the 25 percent, and six counties had pure biofuel sales comprising between 15 and 24.99 percent of total motor fuel sales (Cerro Gordo, Clay, Hamilton, Jefferson, Ringgold, Shelby, and Washington). Sixty-three counties had biofuel distribution percentages between 8 percent and 9.99 percent. Table 2 provides the total gallons of non-ethanol gasoline, ethanol, clear and dyed non-biodiesel diesel, and clear and dyed biodiesel gallons for all counties with five or more retailers reporting sales to the Department.

Figure 3. Biofuel Distribution Percentage by County for 2013

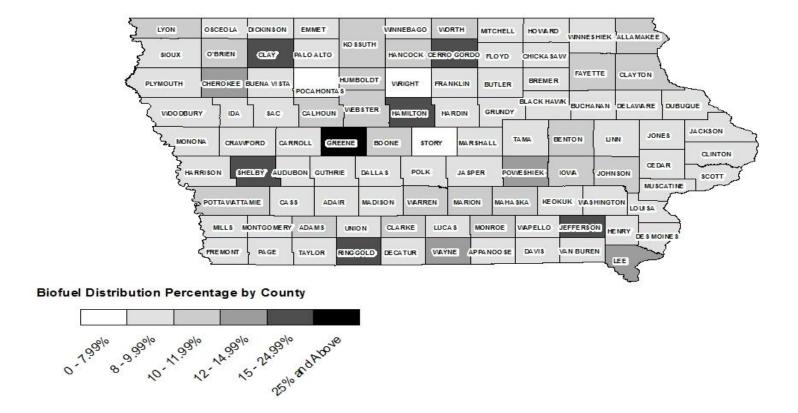


Table 2. Calendar Year 2013 Total Gallons by County

| Table 2. Calendar Year 2013 Total Gallons by County | | | | | | |
|---|----------------------------------|--------------------------|----------------------|--------------------------------|--------------------|--|
| County | Number of Retail Locations | Non-Ethanol Gas Sales | Ethanol Gas Sales | Clear and Dyed Diesel Sales | Biodiesel Sales | |
| ADAIR | 12 | 1,591,221 | 6,893,421 | 4,153,996 | 429,577 | |
| ALLAMAKEE | 19 | 1,532,728 | | 1,829,744 | 639,669 | |
| APPANOOSE | 15 | 748,360 | | 1,386,849 | 401,997 | |
| AUDUBON | 8 | 295,098 | | 1,086,490 | 1,169,712 | |
| BENTON | 22 | 2,612,191 | | 3,620,650 | 1,401,110 | |
| BLACK HAWK | 68 | 9,951,778 | | 7,339,163 | 17,481,975 | |
| BOONE | 14 | 1,270,992 | , , | | 383,616 | |
| BREMER | 14 | 2,200,692 | | | 44,154 | |
| BUCHANAN | 18 | 1,553,953 | | | 1,290,416 | |
| BUENA VISTA | 22 | 1,090,070 | | 5,262,762 | 0 | |
| BUTLER | 12 | 996,515 | | 959,080 | 1,224,802 | |
| CALHOUN | 11 | 689,001 | | · | 0 | |
| CARROLL | 24 | 1,962,491 | | | 85,448 | |
| CASS | 18 | 1,130,883 | | | 116,206 | |
| CEDAR | 19 | 1,611,468 | | | 13,071,750 | |
| CERRO GORDO | 31 | 5,444,824 | | 3,246,410 | 16,654,758 | |
| CHEROKEE | 14 | 923,533 | | | 300,965 | |
| CHICKASAW | 12 | 1,444,738 | | | 1,906,479 | |
| CLARKE | 7 | 1,372,638 | | | 8,878,211 | |
| CLARRE | 25 | | | | | |
| CLAYTON | 22 | 1,090,044 | | 2,509,267 | 457,427 | |
| | | 1,947,281 | | 1,580,535 | 284,528 | |
| CLINTON | 28 | 3,098,435 | | 9,028,227 | 121,735 | |
| CRAWFORD | 15 | 1,397,619 | | | 36,650 | |
| DALLAS | 36 | 6,218,779 | | | 3,685,230 | |
| DAVIS | 5 | 388,554 | | 446,424 | 450,000 | |
| DECATUR | 5 | 824,474 | | 264,056 | 156,326 | |
| DELAWARE | 13 | 1,069,016 | | 2,229,581 | 0 704 | |
| DES MOINES | 27 | 3,123,038 | | 1,801,868 | 38,701 | |
| DICKINSON | 28 | 2,479,063 | | | 223,406 | |
| DUBUQUE | 55 | 10,670,984 | | 8,890,282 | 2,087,830 | |
| EMMET | 10 | 619,157 | | 1,181,012 | 1,141,382 | |
| FAYETTE | 18 | 1,040,802 | | 17,071,507 | 80,642 | |
| FLOYD | 17 | 1,755,468 | | | 242,344 | |
| FRANKLIN | 15 | 850,901 | | 4,262,010 | 777,870 | |
| FREMONT | 8 | 707,702 | , , | 1,176,000 | 9,675,061 | |
| GREENE | 10 | 456,257 | 3,685,357 | 1,211,214 | 89,798 | |
| GRUNDY | 15 | 1,135,417 | 5,621,804 | 5,533,353 | 2,022,588 | |
| GUTHRIE | 11 | 723,973 | 4,750,699 | 1,188,591 | 8,340,494 | |
| HAMILTON | 18 | 1,376,490 | 6,679,232 | 3,343,880 | 3,192,385 | |
| HANCOCK | 12 | 733,096 | | 3,853,556 | 69,442 | |
| HARDIN | 20 | 1,184,149 | 7,255,440 | 5,151,734 | 334,245 | |
| HARRISON | 18 | 1,351,097 | 5,853,375 | 3,520,710 | 103,749 | |
| HENRY | 16 | 1,721,823 | 9,037,938 | 739,264 | 217,466 | |
| HOWARD | 13 | 837,042 | | 3,709,886 | 798,601 | |
| HUMBOLDT | 15 | 783,752 | | 3,577,708 | 24,328 | |
| IDA | 12 | 604,480 | 2,817,645 | 2,042,675 | 914,880 | |
| IOWA | 16 | 1,884,893 | 6,333,893 | 4,174,091 | 625,737 | |
| JACKSON | 20 | 1,279,470 | 6,760,832 | 3,256,456 | 50,417 | |
| JASPER | 29 | 2,943,408 | 16,114,198 | 3,351,715 | 15,376,591 | |
| JEFFERSON | 15 | 1,211,705 | 4,220,567 | 1,663,459 | 1,161,752 | |

Table 2. Calendar Year 2013 Total Gallons by County (continued)

| Table 2. Calendar Year 2013 Total Gallons by County (continued) | | | | | | | |
|---|-------------------------------|--------------------------|----------------------|--------------------------------|--------------------|--|--|
| County | Number of Retail Locations | Non-Ethanol Gas Sales | Ethanol Gas Sales | Clear and Dyed Diesel Sales | Biodiesel Sales | | |
| JOHNSON | 57 | 9,052,021 | 38,848,448 | 4,947,062 | 5,568,950 | | |
| JONES | 11 | 1,170,119 | 6,368,638 | 2,264,405 | 1,122 | | |
| KEOKUK | 12 | 748,499 | 4,293,549 | 1,413,410 | 1,385,519 | | |
| KOSSUTH | 19 | 1,473,893 | 7,766,008 | 11,980,132 | 6,167,125 | | |
| LEE | 26 | 3,088,426 | 14,714,657 | 4,940,697 | 509,512 | | |
| LINN | 89 | 16,095,788 | 78,522,584 | 10,154,292 | 5,074,184 | | |
| LOUISA | 8 | 562,226 | 3,757,957 | 663,898 | 241,268 | | |
| LUCAS | 10 | 698,273 | 3,072,648 | 223,647 | 2,102,922 | | |
| LYON | 13 | 1,255,451 | 4,670,415 | 2,987,109 | 46,407 | | |
| MA DISON | 11 | 1,350,772 | 7,058,276 | 6,628,224 | 1,343,939 | | |
| MAHASKA | 16 | 1,103,673 | 9,214,026 | 3,016,397 | 2,964,623 | | |
| MARION | 23 | 1,609,269 | 12,729,095 | 3,026,030 | 251,475 | | |
| MARSHALL | 26 | 2,691,363 | 11,748,586 | 1,565,311 | 1,094,911 | | |
| MILLS | 10 | 1,099,372 | 4,215,277 | 2,052,354 | 675,495 | | |
| MITCHELL | 12 | 915,362 | 3,473,534 | 352,132 | 167,809 | | |
| MONONA | 10 | 1,275,044 | 4,157,208 | 3,283,129 | 1,281,363 | | |
| MONROE | 6 | 427,688 | 3,015,190 | 121,000 | 1,201,000 | | |
| MONTGOMERY | 12 | 878,628 | 3,796,289 | 1,512,959 | 0 | | |
| MUSCATINE | 20 | 2,108,242 | 13,635,990 | 2,718,418 | 357,949 | | |
| O'BRIEN | 23 | 1,520,830 | 5,928,896 | 3,023,218 | 185,973 | | |
| OSCEOLA | 7 | 434,403 | 2,041,939 | 2,489,462 | 44,721 | | |
| PAGE | 9 | 823,587 | 5,363,183 | 681,903 | 478,158 | | |
| PALO ALTO | 13 | 799,763 | 3,612,569 | 2,592,547 | 174,107 | | |
| PLYMOUTH | 21 | 2,892,389 | 8,201,595 | 4,943,780 | 63,713 | | |
| POCAHONTAS | 9 | 461,218 | 2,749,985 | 5,693,164 | 71,887 | | |
| POLK | 188 | 42,447,471 | 166,859,941 | 17,734,427 | 65,078,180 | | |
| POTTAWATTAME | 66 | | | | | | |
| POWESHIEK | 19 | 13,436,163 | 51,966,980 | 9,199,439 | 29,032,160 | | |
| RINGGOLD | 5 | 3,481,194 | 10,488,431 | 8,594,429 | 14,734,577 | | |
| SAC | | 191,769 | 1,132,064 | 1,610,049 | 66,990 | | |
| SCOTT | 16 86 | 918,130 | 4,595,729 | 2,353,069 | 54,340,336 | | |
| SHELBY | | 8,551,677 | 89,366,399 | 6,344,185 | | | |
| SIOUX | 12 | 950,512 | 3,581,209 | 3,370,857 | 1,049,711 | | |
| STORY | 32 | 3,981,209 | 9,648,588 | 9,520,967 | 830,465 | | |
| TAMA | 45 | 7,148,134 | 31,708,015 | 3,108,582 | 2,695,208 | | |
| UNION | 17 | 1,252,524 815,784 | 5,563,047 | 3,918,235 | 34,698 | | |
| VAN BUREN | 12 | <i>'</i> | 4,810,256 | 1,125,040 | 252,071 | | |
| WAPELLO | 10 | 462,619 | 2,326,540 | 782,235 | 110,677 | | |
| WAREN | 29 | 3,020,441 | 14,290,037 | 1,431,993 | 3,541,713 | | |
| WASHINGTON | 25 | 2,811,529 | 19,740,011 | 1,106,573 | 1,220,821 | | |
| WAYNE | 24 | 2,280,378 | 10,359,864 | 4,425,026 | 8,591,169 | | |
| | 7 | 332,919 | 1,924,253 | 79,602 | 720,010 | | |
| WEBSTER WINNERA CO | 28 | 2,331,310 | 16,085,328 | 3,555,439 | 123,917 | | |
| WINNESCHIEK | 17 | 868,633 | 4,512,454 | 2,350,080 | 47,870 | | |
| WINNESHIEK | 18 | 1,888,095 | 7,962,446 | 5,481,466 | 9,808 | | |
| WOODBURY | 62 | 10,877,551 | 37,679,386 | 7,677,269 | 16,770,573 | | |
| WORTH | 8 | 1,465,477 | 3,633,011 | 537,016 | 318,276 | | |
| WRIGHT | 21 | 1,149,709 | 4,831,891 | 2,893,757 | 169,966 | | |
| OTHER | 8 | 469,897 | 2,768,832 | 755,776 | 0 | | |
| Total | 2,155 | 259,600,967 | 1,198,863,348 | 359,171,054 | 347,804,778 | | |

Other: Includes counties with less than 5 retail locations reporting. (Adams and Taylor)

Source: 2013 Retailers Motor Fuel Gallons Annual Reports

Appendix Revised Table. Iowa Gasoline, Diesel, and Biofuel Sales for Calendar Year 2012

| Data Description | Locations | Gallons | Pure Petroleum/Diesel | Pure Biofuel |
|--|-----------|---------------|-----------------------|-------------------------------------|
| Gasoline (Non-Ethanol) | 1,856 | 271,896,036 | 271,896,036 | 0 |
| Ethanol | | | | |
| E10 | 2,048 | 1,205,186,225 | 1,084,667,603 | 120,518,623 |
| E15/E20 | 81 | 2,098,443 | 1,783,677 | 314,766 |
| E85 | 190 | 9,017,410 | 1,893,656 | 7,123,754 |
| Total Ethanol | 2,019 | 1,216,302,078 | 1,088,344,935 | 127,957,143 |
| Total Gasoline and Ethanol | 2,153 | 1,488,198,114 | 1,360,240,971 | 127,957,143 |
| Ethanol Share | 93.8% | 81.7% | | 8.6% |
| Clear Diesel (Non-Biodiesel) | 1,211 | 267,275,856 | 266,269,354 | 0 |
| Clear Biodiesel | | | | |
| B2 Clear | 105 | 32,165,270 | 31,521,965 | 643,305 |
| B5 Clear | 195 | 122,491,743 | 116,367,156 | 6,124,587 |
| B10 Clear | 25 | 32,806,093 | 29,525,484 | 3,280,609 |
| B20 Clear | 27 | 51,775,970 | 41,420,776 | 10,355,194 |
| Other Clear | 57 | 17,103,661 | 15,644,962 | 1,458,699 |
| Subtotal Clear Biodiesel | 281 | 256,342,737 | 234,480,342 | 21,862,395 |
| Clear Biodiesel Share | 18.8% | 49.0% | | 8.5% |
| Dyed Diesel (Non-Biodiesel) | 304 | 120,185,926 | 118,795,612 | 0 |
| Dyed Biodiesel | | | | |
| B2 Dyed | 56 | 5,240,316 | 5,135,510 | 104,806 |
| B5 Dyed | 57 | 19,158,429 | 18,200,508 | 957,921 |
| B10 Dyed | 14 | 401,736 | 361,562 | 40,174 |
| B20 Dyed | 17 | 488,872 | 391,098 | 97,774 |
| Other Dyed | 20 | 4,201,326 | 4,001,857 | 199,469 |
| Subtotal Dyed Biodiesel | 93 | 29,490,679 | 28,090,535 | 1,400,144 |
| Dyed Biodiesel Share | 23.4% | 19.7% | | 4.7% |
| Total Biodiesel | 301 | 285,833,416 | 262,570,876 | 23,262,540 |
| Total Diesel and Biodiesel | 1,515 | 673,295,198 | 647,635,842 | 23,262,540 |
| Biodiesel Share | 19.9% | 42.5% | | 3.5% |
| Total Fuel All Types Pure Biofuels Share of Gasol Biofuel Distribution Percentag | | 2,161,493,312 | 2,007,876,814 | 151,219,682 7.0% 10.2% |

Source: 2012 Retailers Motor Fuel Gallons Annual Reports