Table 27. Landed costs of imported crude oil for selected crude streams dollars per barrel

| Year quarter month             | Algerian Saharan Blend                              | Brazilian ivlarlim | Canadian Bow River Heavy | Canadian Light Sour Blend | Canadian Lloydminster |
|--------------------------------|---|--------------------|--------------------------|---------------------------|-----------------------|
| 2004                           | -   | -                  | 30.88                    |                           | 30.54                 |
| 2005                           | -   | -                  | 39.22                    |                           | 37.59                 |
| 2006                           | -   | -                  | 48.38                    | -                         | 46.90                 |
| 2007                           | -   | -                  | 52.36                    | -                         | 50.94                 |
| 2008                           | _   | -                  | 84.29                    | -                         | 82.50                 |
| 2009                           | 65.95   | 58.94              |                          | 59.12                     | 53.44                 |
| 2010                           | 81.78   | 76.63              | 68.92                    | 76.56                     | 68.13                 |
| 2011                           | 115.82  | 107.13             | 82.02                    | 96.52                     | 82.24                 |
|                                |   |                    |                          |                           |                       |
| 2012                           | 114.02  | 114.32             | 77.19                    | 87.82                     | 81.33                 |
| 2013<br>2014                   | 113.45  | 108.43             | 76.88                    | 90.59                     | 79.34                 |
| January                        | _   | W                  | 68.90                    | 80.93                     | 71.67                 |
| February                       |   | -                  | 84.26                    | 91.25                     | 80.63                 |
| March                          |   |                    | 82.31                    | 94.88                     | 84.03                 |
|                                |   | W                  | 78.71                    | 88.20                     |                       |
| 1st quarter average            |   |                    |                          |                           | 79.06                 |
| April                          |   |                    | 82.85                    | 93.79                     | 86.06                 |
| May                            |   |                    | 85.93                    | 97.06                     | 85.05                 |
| June                           |   | W                  | 89.46                    | 100.46                    | 90.85                 |
| 2nd quarter average            | <del>_</del>  | W                  |                          | 96.66                     | 86.42                 |
| July                           |   | W                  | 87.58                    | 97.24                     | 91.55                 |
| August                         | -   | W                  |                          | 88.70                     | 89.92                 |
| September                      | <del>-</del>  | -                  |                          | 86.44                     | 89.53                 |
| 3rd quarter average            |   | W                  | 81.85                    | 89.52                     | 90.54                 |
| October                        |   | W                  | 74.96                    | 80.27                     |                       |
|                                |   |                    |                          |                           | 78.73                 |
| November                       |   | W                  | 67.16                    | 68.32                     |                       |
| December                       |   |                    | 49.21                    | 52.01                     | W                     |
| 4th quarter average            | -   | W                  | 63.22                    | 66.05                     | 63.85                 |
| 2014                           | -   | 93.08              | 76.90                    | 85.10                     | 81.87                 |
| 2015                           |   |                    |                          |                           |                       |
| January                        |   | W                  | 35.54                    | 44.11                     | W                     |
| February                       |   | W                  | 39.38                    | 45.40                     | 40.02                 |
| March                          | -   | -                  | 38.53                    | 45.13                     | 43.08                 |
| 1st quarter average            | -   | W                  | 37.94                    | 44.85                     | 43.09                 |
| April                          |   | -                  |                          | 51.51                     | 41.52                 |
| May                            |   | W                  | 49.96                    | 57.72                     | 44.60                 |
| June                           | W   |                    |                          | 57.62                     |                       |
|                                |   | <del>-</del>       |                          |                           |                       |
| 2nd quarter average            | W   | W                  | 48.87                    | 56.24                     | 47.98                 |
| July                           |   | W                  |                          | 50.29                     | <u>M</u>              |
| August                         |   |                    | 33.33                    | 44.39                     | <u>W</u>              |
| September                      |   |                    | 30.50                    | 42.33                     | W                     |
| 3rd quarter average            | -   | W                  | 37.08                    | 45.99                     | W                     |
| October                        |   | W                  | 36.11                    | 43.83                     |                       |
| November                       |   |                    | 31.42                    | 44.27                     |                       |
| December                       |   | W                  | 26.11                    | 37.58                     |                       |
|                                |   |                    |                          | 42.37                     |                       |
| 4th quarter average<br>2015    | W   | 47.77              | 31.39<br>38.90           | 47.18                     | W<br>38.51            |
| 2016                           |   |                    |                          |                           |                       |
| January                        | W   | W                  | 21.81                    | 29.17                     | W                     |
| February                       |   |                    | 20.43                    | 28.12                     | W                     |
| March                          | W   |                    | 28.79                    | 34.53                     |                       |
| 1st quarter average            | W   | W                  | 24.28                    | 30.06                     |                       |
|                                | <u>vv</u>   | <u>v</u> v         | 30.15                    | 38.30                     |                       |
| April                          | <del>-</del> W_                                     | <del>-</del>       |                          |                           |                       |
| May                            |   |                    | 35.84                    | 42.53                     | <u>W</u>              |
| June                           | $\_ \ \_ \ \_ \ \_ \ \_ \ \_ \ \_ \ \_ \ \_ \ \_ \$ | <del>-</del>       | 39.70                    | 46.22                     |                       |
| 2nd quarter average            | W   |                    | 36.48                    | 42.16                     | <u>W</u>              |
| July                           | W   | <del>-</del>       | 36.70                    | 44.75                     | <u>V</u>              |
| August                         | W   |                    | 34.94                    | 42.99                     | W                     |
|                                |   |                    |                          |                           |                       |
|                                | -   | W                  | 34 66                    | R43 94                    | W                     |
| September                      | <del>-</del>  | W                  | 34.66<br>35.44           | R43.94                    |                       |
| September  3rd quarter average |   | W                  | 35.44                    | R43.88                    | <u>W</u>              |
| September                      | - W   |                    | 35.44<br>40.05           |                           |                       |

See footnotes at end of table.

Table 27. Landed costs of imported crude oil for selected crude streams (cont.) dollars per barrel

| Year quarter month  | Ecuadorian Oriente | Ecuadorian Napo | Iraqi Basrah Light | Mexican Mayan | Nigerian Bonny Light |
|---------------------|--------------------|-----------------|--------------------|---------------|----------------------|
| 2004                | 36.34              | -               | -                  | 31.01         | 41.16                |
| 2005                | 46.42              | -               | -                  | 41.54         | 57.12                |
| 2006                | 56.75              | -               | -                  | 52.04         | 69.29                |
| 2007                | 64.57              | -               | -                  | 60.93         | 77.90                |
| 2008                | 87.25              | <u>-</u>        |                    | 84.29         | 108.46               |
| 2009                | 56.97              | 48.74           | 64.38              | 56.03         | 68.30                |
| 2010                | 75.48              | 72.97           | 77.96              | 70.87         | 84.10                |
| 2011                | 101.74             | 97.91           | 106.67             | 98.81         | 116.95               |
| 2012                | 105.50             | 101.53          | 106.93             | 100.29        | 117.70               |
| 2013                | 104.14             | 100.01          | 102.70             | 97.43         | W                    |
| 2014                |                    |                 |                    |               |                      |
| January             | 98.85              | 94.03           | 96.74              | 88.29         |                      |
| February            | 101.73             | 99.31           | 98.18              | 91.06         |                      |
| March               | W                  | 100.36          | 100.65             | 90.78         |                      |
| 1st quarter average | 100.97             | 97.19           | 98.43              | 90.04         |                      |
|                     | 104.56             | W               | 100.42             | 93.76         |                      |
| April               |                    |                 | 100.42             | 95.68         |                      |
| May                 | 104.00             |                 |                    |               | <del>-</del>         |
| June                | 105.36             | 101.91          | 101.06             | 98.83         |                      |
| 2nd quarter average | 104.46             | 100.75          | 100.67             | 96.19         |                      |
| July                | 100.36             | 101.61          | 101.97             | 95.10         |                      |
| August              | 97.73              | 92.87           | 100.68             | 91.78         |                      |
| September           | 92.39              | 88.43           | 94.12              | 88.80         |                      |
| 3rd quarter average | 96.30              | 94.26           | 98.91              | 91.86         |                      |
| October             | 85.17              | 83.44           | 90.49              | 79.19         |                      |
| November            | 71.01              | W               | WW                 | 72.26         |                      |
| December            | 58.52              | W               | 73.33              | 52.88         | W                    |
| 4th quarter average | 70.37              | 72.13           | 83.49              | 68.15         | W                    |
| 2014                | 91.65              | 93.11           | 96.95              | 86.49         | W                    |
| 2015                |                    |                 |                    |               |                      |
| January             | 46.44              | W               | 66.83              | 40.70         |                      |
| February            | 51.98              | W               | W                  | 47.69         |                      |
| March               | 50.68              | 45.89           | W                  | 46.42         |                      |
| 1st quarter average | 49.51              | 44.66           | 60.44              | 44.80         |                      |
| April               | 54.79              | W               | 49.93              | 51.18         |                      |
| May                 | 60.87              |                 | 55.30              | 56.00         | W                    |
| June                | 60.38              | 56.96           | 56.75              | 56.70         | W                    |
| 2nd quarter average | 58.79              | 55.92           | 53.24              | 54.47         | 66.10                |
|                     | 54.90              | W               | 54.12              | 51.25         |                      |
| July                |                    |                 |                    |               |                      |
| August              | 45.21              | <u>W</u>        |                    | 42.29         | <del>-</del>         |
| September           | 45.10              | 41.06           | 46.17              | 39.99         |                      |
| 3rd quarter average | 48.62              | 42.48           | 50.53              | 44.39         |                      |
| October             | 45.33              | 40.83           | 41.74              | 39.72         |                      |
| November            | 40.56              | W               | 38.67              | 36.05         |                      |
| December            | 34.83              | 26.47           | 35.18              | 29.28         | W                    |
| 4th quarter average | 40.43              | 35.41           | 39.39              | 35.21         | W                    |
| 2015                | 49.65              | 41.84           | 49.50              | 44.08         | 59.92                |
| 2016                |                    |                 |                    |               |                      |
| January             | 28.35              | 26.72           | 30.55              | 25.03         | W                    |
| February            | 28.24              | 28.25           | 27.65              | 25.46         |                      |
| March               | 35.40              | 30.07           | 33.26              | 29.82         |                      |
| 1st quarter average | 31.19              | 28.06           | 30.47              | 26.83         | W                    |
| April               | 38.81              | 33.81           | 34.37              | 31.81         |                      |
| May                 | 42.31              | 39.83           | 43.44              | 39.77         |                      |
| June                | 45.43              | 43.22           | 43.60              | 42.81         |                      |
| 2nd quarter average | 42.15              | 39.55           | 40.55              | 38.08         |                      |
| July                | 42.13              | 38.82           | 43.53              | 40.49         |                      |
|                     |                    |                 |                    |               | <del>-</del>         |
| August              | 41.32              | 40.07           | 41.98              | 39.39         |                      |
| September           | 43.17              | 39.27           | R42.47             | 39.05         |                      |
| 3rd quarter average | 42.40              | 39.43           | R42.63             | 39.63         | <del>-</del>         |
| October             | R45.71             | W               | R45.17             | R43.76        | <del>-</del>         |
| November            | 43.76              | W               | 41.66              | 40.21         | _                    |

See footnotes at end of table.

Table 27. Landed costs of imported crude oil for selected crude streams (cont.)

dollars per barrel

| Year quarter month          | Nigerian Qua Iboe | Saudi Arabian Light | Saudi Arabian Medium | Saudi Arabian Berri | Venezuelan Merey |
|-----------------------------|-------------------|---------------------|----------------------|---------------------|------------------|
| 2004                        | -                 | 38.01               | 36.34                | -                   | -                |
| 2005                        | -                 | 52.92               | 48.92                | -                   | -                |
| 2006                        | -                 | 60.51               | 58.10                | -                   | -                |
| 2007                        | -                 | 71.62               | 70.09                | -                   | -                |
| 2008                        | _                 | 94.38               | 91.46                | -                   | -                |
| 2009                        | 68.26             | 63.10               | 61.87                | 59.72               | 60.15            |
| 2010                        | 84.44             | 79.65               | 78.13                | 81.14               | 71.59            |
| 2011                        | 117.02            | 109.43              | 107.12               | 110.77              | 100.36           |
| 2012                        | 116.48            | 108.93              | 106.83               | 110.03              | 103.28           |
| 2013                        | 112.47            | 103.44              | 101.44               | 107.00              | 100.69           |
| 2014                        | 11111             | 103111              | 101                  | 207100              | 100.00           |
| January                     |                   | 101.94              | 99.77                | 103.52              | W                |
| February                    |                   | 104.36              | 100.30               | W                   |                  |
| March                       | <del>-</del> W    | 103.81              | 100.87               | <del>vv</del>       |                  |
|                             |                   |                     |                      |                     |                  |
| 1st quarter average         | <u>W</u>          | 103.28              | 100.35               | 103.86              |                  |
| _April                      | <del>-</del>      | 102.53              | 102.15               | 104.43              | <u>W</u>         |
| May                         | <del>-</del>      | 102.92              | 102.88               | 105.28              | 99.60            |
| June                        | <del></del>       | 106.38              | 102.08               | 109.66              | <u>W</u>         |
| 2nd quarter average         | <del>-</del>      | 103.57              | 102.36               | 106.05              | 100.10           |
| July                        |                   | 105.51              | 101.74               | 109.18              | W                |
| August                      | <u> </u>          | 100.24              | 98.17                | 104.01              | W                |
| September                   | -                 | 94.71               | 91.16                | 98.66               | W                |
| 3rd quarter average         | <u> </u>          | 99.35               | 98.28                | 102.65              |                  |
| October                     |                   | 83.36               | 76.92                | 89.12               | W                |
| November                    |                   | 77.88               | 70.05                | 79.15               |                  |
| December                    |                   | 59.88               | 61.39                |                     |                  |
|                             | <del></del>       |                     |                      |                     |                  |
| 4th quarter average<br>2014 |                   | 72.95<br>96.83      | 70.79                | 80.78<br>96.68      | W<br>91.73       |
|                             | VV                | 90.83               | 94.47                | 90.08               | 91.73            |
| 2015                        |                   | =                   |                      | 40.00               |                  |
| January                     | <del>-</del>      | 50.32               | 50.36                | 48.87               | <u>M</u>         |
| February                    | <del></del>       | 52.19               | 51.84                | 54.93               | 50.43            |
| March                       | <del>.</del>      | 54.29               | 55.42                | W                   | 47.50            |
| 1st quarter average         | <del>.</del>      | 52.51               | 52.97                | 53.62               | 46.64            |
| _April                      | <del></del>       | 60.47               | 58.31                | W                   | 52.13            |
| May                         | -                 | 64.06               | 60.34                | W                   | V                |
| June                        | -                 | 59.88               | 56.99                | W                   | W                |
| 2nd quarter average         | <u>-</u>          | 61.34               | 58.52                | W                   | 57.02            |
| July                        |                   | 52.08               | 51.47                | 53.96               | W                |
| August                      |                   | 45.49               | 44.58                | 47.02               |                  |
| September                   |                   | 45.63               | 43.42                | 49.25               | <u>v</u> v       |
|                             | <del>-</del>      |                     |                      | 49.89               |                  |
| 3rd quarter average         | <del>-</del>      | 47.47               | 46.99                |                     | <u>W</u>         |
| October                     | <del>-</del>      | 42.07               | 41.44                | 48.22               | <u>W</u>         |
| November                    | <del>-</del>      | 40.40               | 37.13                | 45.59               | <u>W</u>         |
| December                    | W                 | 35.37               | 32.36                |                     | <u>W</u>         |
| 4th quarter average         | W                 | 39.55               | 36.92                | 45.64               | W                |
| 2015                        | W                 | 50.00               | 48.66                | 52.83               | 45.77            |
| 2016                        |                   |                     |                      |                     |                  |
| _January                    | W                 | 30.95               | 31.18                | W                   |                  |
| February                    | W                 | 31.66               | 31.36                | 33.68               |                  |
| March                       | -                 | 36.80               | 35.39                | 36.48               | 30.21            |
| 1st quarter average         |                   | 33.11               | 33.09                | 34.54               | 26.18            |
| April                       |                   | 40.26               | 38.92                | 41.25               |                  |
| May                         |                   | 44.02               | 41.76                | 47.00               | 39.92            |
|                             |                   |                     |                      |                     |                  |
| June                        | <del>-</del>      | 46.72               | 44.48                | 47.42               | 42.92            |
| 2nd quarter average         | <u>W</u>          | 43.60               | 41.67                | 45.29               | 39.49            |
| July                        | <del>-</del>      | 44.18               | 42.76                | 46.66               | 41.62            |
| August                      | <del>-</del>      | 43.75               | 42.90                | 45.27               | 39.95            |
| September                   |                   | R44.23_             | R43.65               | R45.28              | 40.29            |
| 2                           |                   | R44.07              | R43.12               | R45.49              | 40.49            |
| 3rd quarter average         |                   |                     |                      |                     |                  |
| October                     | W                 | R47.71              | R45.20               | R47.56              | R44.07           |

<sup>- =</sup> No data reported.

Notes: - Effective January 2009, selected crude streams were discontinued and new crude steams were added for publication. - Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail. - Values for the current 2 months are preliminary. Values shown for previous months may be revised. Data through 2015 are final.

Sources: U.S. Energy Information Administration, Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report."

W = Withheld to avoid disclosure of individual company data.

R = Revised data.