

## APPENDIX D

Table D-1

### Zone 6 - Retail Outlets

| PPPC Zone | Sub        | Community                           | Distance From Corner Brook Terminal Kms | Number of Outlets | Area Pop      | Pop Per Outlet | Name of Business                         | Supplier             |
|-----------|------------|-------------------------------------|---|-------------------|---------------|----------------|--|----------------------|
| 6         | 1          | Corner Brook                        | 7                                       |                   |               |                | Corner Brook Esso Self Serve             | Imperial Oil         |
| 6         | 1          | Corner Brook                        | 7                                       |                   |               |                | Riverside Esso                           | Imperial Oil         |
| 6         | 1          | Corner Brook                        | 7                                       |                   |               |                | Country Road Esso                        | Imperial Oil         |
| 6         | 1          | Corner Brook                        | 7                                       |                   |               |                | Reid Street Irving                       | Irving Oil Ltd.      |
| 6         | 1          | Corner Brook                        | 7                                       |                   |               |                | Mill Road Irving                         | Irving Oil           |
| 6         | 1          | Corner Brook                        | 7                                       |                   |               |                | Confederation Drive Irving               | Irving               |
| 6         | 1          | Corner Brook                        | 7                                       |                   |               |                | Corner Brook Co-Op                       | Irving/Ultramar/Esso |
| 6         | 1          | Corner Brook                        | 7                                       |                   |               |                | Veitch's Ultramar                        | Ultramar Ltd.        |
| 6         | 1          | Corner Brook                        | 7                                       |                   |               |                | Windsor Street Irving                    | Irving Oil Ltd.      |
| 6         | 1          | Corner Brook                        | 7                                       |                   |               |                | Curling One Stop                         | North Atlantic       |
| 6         | 1          | Corner Brook                        | 7                                       |                   |               |                | Mister Quik Lube "Plus" Inc.             | North Atlantic       |
| 6         | 1          | Corner Brook                        | 7                                       |                   |               |                | Andy's Auto Centre                       | North Atlantic       |
| 6         | 1          | Corner Brook                        | 7                                       |                   |               |                | Corner Brook Tire Ltd.                   | North Atlantic       |
| 6         | 1          | Corner Brook                        | 7                                       |                   |               |                | Plaza Self Serve                         | Ultramar             |
| 6         | 1          | Corner Brook                        | 7                                       |                   |               |                | Pinchgut Ultramar                        | Ultramar             |
| 6         | 1          | Corner Brook                        | 7                                       |                   |               |                | Pennell's Ultramar                       | Ultramar             |
| 6         | 1          | Corner Brook                        | 7                                       |                   |               |                | Corner Brook Pipeline                    | Ultramar             |
| 6         | 1          | Corner Brook                        | 7                                       |                   |               |                | Canadian Tire Gas Bar                    | Imperial Oil         |
| 6         | 1          | Corner Brook                        | 7                                       |                   |               |                | O'Connell Ultramar                       | Ultramar             |
| 6         | 1          | Corner Brook                        | 7                                       |                   |               |                | Esso Home Heat                           | Imperial Oil         |
| 6         | 1          | Halfway Point                       | 14                                      |                   |               |                | South Shore Irving                       | Irving               |
| 6         | 1          | Halfway Point                       | 14                                      |                   |               |                | Dennis' Store                            | Petro Canada         |
| 6         | 1          | Lark Harbour                        | 42                                      |                   |               |                | Sheppard Grocery & Convenience           | Western Petroleum    |
| 6         | 1          | Mount Moriah                        | 5                                       |                   |               |                | Edmond's Service Centre                  | Western Petroleum    |
| 6         | 1          | Mount Moriah                        | 5                                       |                   |               |                | Robbie Butt Ltd.                         | Ultramar Ltd.        |
| 6         | 1          | York Harbour                        | 32                                      |                   |               |                | Byrne's Store                            | North Atlantic       |
| 6         | 1          | York Harbour, Bay of Islands        | 32                                      |                   |               |                | Child's Convenience                      | Western Petroleum    |
|           | <b>Avg</b> | <b>Corner Brook- Bay of Islands</b> | <b>11</b>                               | <b>27</b>         | <b>24,483</b> | <b>907</b>     |  |                      |
| 6         | 2          | Cox's Cove                          | 44                                      |                   |               |                | Wells and Park                           | Western Petroleum    |
| 6         | 2          | Cox's Cove                          | 44                                      |                   |               |                | White's Store                            | Imperial Oil         |
| 6         | 2          | Gillams                             | 29                                      |                   |               |                | Bayview Ltd.                             | Western Petroleum    |
| 6         | 2          | Meadows                             | 26                                      |                   |               |                | Brake's Gas Bay & Convenience            | North Atlantic       |
| 6         | 2          | Summerside                          | 17                                      |                   |               |                | North Shore Video                        | Irving               |
| 6         | 2          | Summerside                          | 17                                      |                   |               |                | Summerside Garage Inc.                   | Ultramar             |
|           | <b>Avg</b> | <b>North Side - Humber Arm</b>      | <b>30</b>                               | <b>6</b>          | <b>3,874</b>  | <b>646</b>     |  |                      |
| 6         | 3          | Pasadena                            | 29                                      |                   |               |                | Pasadena Irving                          | Irving               |
| 6         | 3          | Pasadena                            | 29                                      |                   |               |                | Glen's Gas Bar                           | Western Petroleum    |
| 6         | 3          | Steady Brook                        | 9                                       |                   |               |                | George's Mountainside Village            | North Atlantic       |
| 6         | 3          | Steady Brook                        | 9                                       |                   |               |                | Golden G Enterprises                     | Western Petroleum    |
|           | <b>Avg</b> | <b>Steady Brook-Pasadena</b>        | <b>19</b>                               | <b>4</b>          | <b>3,983</b>  | <b>996</b>     |  |                      |
| 6         | 4          | Bonne Bay Pond                      | 57                                      |                   |               |                | Bauld Enterprises Ltd.                   | Imperial Oil         |
| 6         | 4          | Bonne Bay Pond                      | 57                                      |                   |               |                | Binnie's Lodge                           | Imperial Oil         |
| 6         | 4          | Cormack                             | 71                                      |                   |               |                | Cormack /Beverley Enterprises            | North Atlantic       |
| 6         | 4          | Deer Lake                           | 55                                      |                   |               |                | Butt's Sales and Service Ltd.            | Ultramar             |
| 6         | 4          | Deer Lake                           | 55                                      |                   |               |                | Premium Enterprises Ltd.                 | Western Petroleum    |
| 6         | 4          | Deer Lake                           | 55                                      |                   |               |                | Butler's Self Serve Ltd.                 | Imperial Oil         |
| 6         | 4          | Deer Lake                           | 55                                      |                   |               |                | Sparkes Distributors Ltd.                | Ultramar Ltd.        |
| 6         | 4          | Deer Lake                           | 55                                      |                   |               |                | D.L. Irving Big Stop                     | Irving               |
| 6         | 4          | Deer Lake                           | 55                                      |                   |               |                | Deer Lake Ultramar                       | Ultramar             |
| 6         | 4          | Deer Lake                           | 55                                      |                   |               |                | Deer Lake Petro Can                      | North Atlantic       |
|           | <b>Avg</b> | <b>Deer Lake Area</b>               | <b>57</b>                               | <b>10</b>         | <b>6,121</b>  | <b>612</b>     |  |                      |
| 6         | 4          | Wiltondale                          | 77                                      | 1                 | 30            | 30             | Coyle's One Stop/Endicott Enterprises    | North Atlantic       |
| 6         | 5          | Howley                              | 95                                      |                   |               |                | Leo's General Store                      | Imperial Oil         |
| 6         | 5          | Howley                              | 95                                      |                   |               |                | Howley Shopping Centre/Western Petroleum | Western Petroleum    |
|           | <b>Avg</b> | <b>Howley</b>                       | <b>95</b>                               | <b>2</b>          | <b>271</b>    | <b>136</b>     |  |                      |
|           |            | <b>Totals Zone 6</b>                |   | <b>48</b>         | <b>38,762</b> | <b>808</b>     |  |                      |

**APPENDIX D**

**Table D-2**

**Full Load T/T Gasoline Deliveries - Zone 6**

Rates based on All Part Load Drops

| 43,000 Litres per Load  |                 | Location of Retail Outlets by Sub-Zone Area |                             |                         |                       |                |              |              |
|---|-----------------|---|-----------------------------|-------------------------|-----------------------|----------------|--------------|--------------|
| PPPC Zone   | Source Terminal | Units                                       | Corner Brook/Bay of Islands | North Side - Humber Arm | Steady Brook/Pasadena | Deer Lake Area | Howley       | Wiltondale   |
| <b>6 - Corner Brook, Bay of Islands, Deer Lake Areas including Howley and Wiltondale.</b> |                 |   |                             |                         |                       |                |              |              |
| Distance One Way  |                 | kms   | 11                          | 30                      | 19                    | 57             | 95           | 77           |
| Additional kms to reach edge of Supplying Terminal City/Town                              |                 | kms   | 7                           | 7                       | 7                     | 7              | 7            | 7            |
| Equivalent Distance One-Way on TCH Class A Paved Roads                                    |                 | kms   | 0                           | 0                       | 19                    | 46             | 73           | 47           |
| Equivalent Distance One-Way on Good Quality Class B Paved Roads                           |                 | kms   | 6                           | 6                       | 0                     | 0              | 0            | 30           |
| Equivalent Distance One-Way on other Local Class C Road Systems                           |                 | kms   | 5                           | 24                      | 0                     | 11             | 22           | 0            |
| Equivalent Distance One-Way in City/Town Road Systems                                     |                 | kms   | 7                           | 7                       | 7                     | 7              | 7            | 7            |
| Check Distance  |                 | #   | 0                           | 0                       | 0                     | 0              | 0            | 0            |
| Assumed Number of Drops   |                 | #   | 2                           | 2                       | 2                     | 2              | 2            | 3            |
| Loading Time (Full Load)  |                 | hrs   | 1.0                         | 1.0                     | 1.0                   | 1.0            | 1.0          | 1.0          |
| Total Drop Time - All Destination Outlets (30 min per drop)                               |                 | hrs   | 1.0                         | 1.0                     | 1.0                   | 1.0            | 1.0          | 1.5          |
| Driver Break Times and Other Delays   |                 | hrs   | 0.00                        | 0.00                    | 0.00                  | 0.25           | 0.25         | 0.25         |
| Total Non Travel Time   |                 | hrs   | 2.0                         | 2.0                     | 2.0                   | 2.3            | 2.3          | 2.8          |
| Class A Road Travel @ kms/hr  |                 | 90  | 0.0                         | 0.0                     | 0.2                   | 0.5            | 0.8          | 0.5          |
| Class B Road Travel @ kms/hr  |                 | 65  | 0.1                         | 0.1                     | 0.0                   | 0.0            | 0.0          | 0.5          |
| Class C Road Travel @ kms/hr  |                 | 40  | 0.1                         | 0.6                     | 0.0                   | 0.3            | 0.6          | 0.0          |
| City/Town C Road Travel @ kms/hr  |                 | 30  | 0.2                         | 0.2                     | 0.2                   | 0.2            | 0.2          | 0.2          |
| Trip Travel Time each way   |                 | hrs   | 0.5                         | 0.9                     | 0.4                   | 1.0            | 1.6          | 1.2          |
| Total travel Time Return Trip   |                 | hrs   | 0.9                         | 1.9                     | 0.9                   | 2.0            | 3.2          | 2.4          |
| Total Trip Hours Return   |                 | hrs   | 2.9                         | 3.9                     | 2.9                   | 4.3            | 5.4          | 5.2          |
| Tractor Trailer Positioning Cost \$   |                 | \$  | \$50.00                     | \$50.00                 | \$50.00               | \$50.00        | \$50.00      | \$50.00      |
| Non-Travel Cost @ \$50.00 per hour  |                 | \$  | \$100.00                    | \$100.00                | \$100.00              | \$112.50       | \$112.50     | \$137.50     |
| Return Trip on Good TCH Class A Highway @ \$1.00 per km                                   |                 | \$  | \$0.00                      | \$0.00                  | \$38.00               | \$92.00        | \$146.00     | \$94.00      |
| Return Trip on Class B Paved Highway @ \$1.20 per km                                      |                 | \$  | \$14.40                     | \$14.40                 | \$0.00                | \$0.00         | \$0.00       | \$72.00      |
| Return Trip on Class C Highway Roads @ \$1.40 per km                                      |                 | \$  | \$14.00                     | \$67.20                 | \$0.00                | \$30.80        | \$61.60      | \$0.00       |
| Return Trip on City/Town Roads @ \$ 1.60 per km   |                 | \$  | \$22.40                     | \$22.40                 | \$22.40               | \$22.40        | \$22.40      | \$22.40      |
| Trip Travel Cost  |                 | \$  | \$50.80                     | \$104.00                | \$60.40               | \$145.20       | \$230.00     | \$188.40     |
| Total Trip Cost   |                 | \$  | \$200.80                    | \$254.00                | \$210.40              | \$307.70       | \$392.50     | \$375.90     |
| Calculated Total Trip Cost  |                 | CPL   | 0.467                       | 0.591                   | 0.489                 | 0.716          | 0.913        | 0.874        |
| Diesel Fuel Surcharge at Rate   |                 | %   | 7.00%                       | 7.00%                   | 7.00%                 | 7.00%          | 7.00%        | 7.00%        |
| Total Calculated part Load Delivery Rates Including DFS                                   |                 | CPL   | <b>0.500</b>                | <b>0.632</b>            | <b>0.524</b>          | <b>0.766</b>   | <b>0.977</b> | <b>0.935</b> |
| Adjusted Population Spread Census 2001  |                 | Pop   | 24,483                      | 3,874                   | 3,983                 | 6,121          | 271          | 30           |
| % of Population of each Sub-Zone area   |                 | %   | 63.2%                       | 10.0%                   | 10.3%                 | 15.8%          | 0.7%         | 0.1%         |
| Portion of Rate per Sub-Zone area   |                 | CPL   | 0.316                       | 0.063                   | 0.054                 | 0.121          | 0.007        | 0.001        |

|  |                     |
|--|---------------------|
| Total Zone Population                    | 38,762              |
| Average T/T Delivery Rate for Zone - CPL | <b><u>0.561</u></b> |

## APPENDIX D

### TABLE D-3

#### Storage and Distribution Study

#### Gasoline Deliveries to Retail Outlets

| Existing<br>PPPC Zone and<br>Supply Source<br>Locations | 43000<br>Litres<br>Rates based on Full Tractor Trailer loads<br>and All Part Load Drops unless<br>otherwise indicated | PPPC<br>Zone | Dist-<br>ance<br>One<br>Way | Calculated<br>part Load<br>Rates | Add Diesel<br>Fuel<br>Surcharge<br>at Rate | Total<br>Calculated<br>part Load<br>Rates<br>Including<br>DFS | Adjusted<br>Popul-<br>ation<br>Spread<br>Census<br>2001 | % of<br>Total<br>Pop | Weighted<br>Average<br>Calculation |
|---|---|--------------|-----------------------------|----------------------------------|--|---|---|----------------------|------------------------------------|
|   | Destination Area  |              | Kms                         |                                  |  |   |   |                      |                                    |

#### PPPC - Zone 1

|                      |                                      |   |     |       |       |       |                |               |             |
|----------------------|--------------------------------------|---|-----|-------|-------|-------|----------------|---------------|-------------|
| St. John's           | St. John's Area                      | 1 | 15  | 0.460 | 0.032 | 0.493 | 124,146        | 52.3%         | 0.258       |
| St. John's           | CBS & Holyrood                       | 1 | 30  | 0.591 | 0.041 | 0.632 | 31,276         | 13.2%         | 0.083       |
| St. John's           | Torbay-Pouch Cove-St. Phillips Areas | 1 | 16  | 0.513 | 0.036 | 0.548 | 16,383         | 6.9%          | 0.038       |
| St. John's           | Southern Shore to Cappahayden        | 1 | 60  | 0.806 | 0.056 | 0.862 | 6,703          | 2.8%          | 0.024       |
| St. John's           | St. Mary's & Area                    | 1 | 115 | 1.201 | 0.084 | 1.285 | 4,811          | 2.0%          | 0.026       |
| St. John's           | Avondale & Conception Harbour        | 1 | 57  | 0.787 | 0.055 | 0.842 | 4,024          | 1.7%          | 0.014       |
| St. John's           | South River to Victoria, Carbonear   | 1 | 93  | 0.925 | 0.065 | 0.990 | 26,859         | 11.3%         | 0.112       |
| St. John's           | Baie de Verde Peninsula Area         | 1 | 124 | 1.219 | 0.085 | 1.304 | 11,990         | 5.1%          | 0.066       |
| St. John's           | Dunville-Cape Shore Areas            | 1 | 137 | 1.270 | 0.089 | 1.359 | 6,388          | 2.7%          | 0.037       |
| St. John's           | Whitbourne TCH -Chance Cove Areas    | 1 | 100 | 0.964 | 0.067 | 1.031 | 4,660          | 2.0%          | 0.020       |
| <b>Totals Zone 1</b> |                                      |   |     |       |       |       | <b>237,240</b> | <b>100.0%</b> | <b>0.68</b> |

#### PPPC - Zone 1a - Bell Island

|            |                       |    |    |       |       |       |       |        |      |
|------------|-----------------------|----|----|-------|-------|-------|-------|--------|------|
| St. John's | Bell Island via Ferry | 1a | 17 | 1.324 | 0.093 | 1.416 | 3,078 | 100.0% | 1.42 |
|------------|-----------------------|----|----|-------|-------|-------|-------|--------|------|

#### PPPC - Zone 2 Burin - Bonavista Peninsulas from Avalon Terminals

|                      |                                 |   |     |       |       |       |               |               |             |
|----------------------|---------------------------------|---|-----|-------|-------|-------|---------------|---------------|-------------|
| St. John's           | Southern Harbour                | 2 | 136 | 1.219 | 0.085 | 1.304 | 635           | 1.2%          | 0.016       |
| St. John's           | Arnolds Cove/Goobies Area       | 2 | 152 | 1.202 | 0.084 | 1.286 | 1,872         | 3.5%          | 0.046       |
| St. John's           | Little Hearts Ease Area         | 2 | 186 | 1.449 | 0.101 | 1.551 | 1,750         | 3.3%          | 0.051       |
| St. John's           | Clareville Area                 | 2 | 186 | 1.369 | 0.096 | 1.465 | 5,111         | 9.7%          | 0.142       |
| St. John's           | Random Island                   | 2 | 220 | 1.707 | 0.119 | 1.826 | 852           | 1.6%          | 0.029       |
| St. John's           | Clifton-Harcourt Area           | 2 | 215 | 1.674 | 0.117 | 1.791 | 579           | 1.1%          | 0.020       |
| St. John's           | Port Blandford                  | 2 | 215 | 1.553 | 0.109 | 1.662 | 580           | 1.1%          | 0.018       |
| St. John's           | Musgravetown & Area             | 2 | 219 | 1.642 | 0.115 | 1.757 | 3,484         | 6.6%          | 0.116       |
| St. John's           | Princeton & Southern Bay Area   | 2 | 240 | 1.799 | 0.126 | 1.925 | 3,416         | 6.5%          | 0.124       |
| St. John's           | Trinity-Port Rexton Area        | 2 | 255 | 1.896 | 0.133 | 2.029 | 3,810         | 7.2%          | 0.146       |
| St. John's           | Bonavista & Area                | 2 | 296 | 2.105 | 0.147 | 2.252 | 6,384         | 12.1%         | 0.272       |
| St. John's           | Terrenceville & Area            | 2 | 260 | 1.917 | 0.134 | 2.051 | 3,136         | 5.9%          | 0.122       |
| St. John's           | Boat Harbour (Burin Pen) & Area | 2 | 263 | 1.990 | 0.139 | 2.130 | 1,857         | 3.5%          | 0.075       |
| St. John's           | Marystown & Burin Areas         | 2 | 310 | 2.231 | 0.156 | 2.387 | 10,459        | 19.8%         | 0.472       |
| St. John's           | Garnish Area                    | 2 | 322 | 2.367 | 0.166 | 2.533 | 860           | 1.6%          | 0.041       |
| St. John's           | St. Lawrence-Lawn-Lamalaine     | 2 | 354 | 2.575 | 0.180 | 2.756 | 3,483         | 6.6%          | 0.182       |
| St. John's           | Grand Bank & Fortune            | 2 | 360 | 2.558 | 0.179 | 2.737 | 4,576         | 8.7%          | 0.237       |
| <b>Totals Zone 2</b> |                                 |   |     |       |       |       | <b>52,844</b> | <b>100.0%</b> | <b>2.11</b> |

#### PPPC - Zone 3 - Central Newfoundland from Lewisporte Terminal

|                      |                                   |   |     |       |       |       |               |               |             |
|----------------------|-----------------------------------|---|-----|-------|-------|-------|---------------|---------------|-------------|
| Lewisporte           | Millertown                        | 3 | 143 | 1.298 | 0.091 | 1.389 | 228           | 0.3%          | 0.004       |
| Lewisporte           | Badger                            | 3 | 93  | 0.885 | 0.062 | 0.947 | 906           | 1.3%          | 0.012       |
| Lewisporte           | Grand Falls-Windsor-Bishops Falls | 3 | 61  | 0.736 | 0.052 | 0.788 | 17,028        | 24.0%         | 0.189       |
| Lewisporte           | Botwood & Area                    | 3 | 63  | 0.755 | 0.053 | 0.807 | 4,735         | 6.7%          | 0.054       |
| Lewisporte           | Pt Leamington-Leading Tickles     | 3 | 97  | 1.034 | 0.072 | 1.107 | 1,999         | 2.8%          | 0.031       |
| Lewisporte           | Norris Arm Area                   | 3 | 28  | 0.553 | 0.039 | 0.592 | 1,180         | 1.7%          | 0.010       |
| Lewisporte           | Lewisporte & Embree Area          | 3 | 6   | 0.393 | 0.028 | 0.421 | 5,342         | 7.5%          | 0.032       |
| Lewisporte           | Campbellton & Area                | 3 | 33  | 0.654 | 0.046 | 0.700 | 2,530         | 3.6%          | 0.025       |
| Lewisporte           | New World Island-Twillingate      | 3 | 78  | 0.981 | 0.069 | 1.050 | 6,782         | 9.5%          | 0.100       |
| Lewisporte           | Glenwood                          | 3 | 40  | 0.609 | 0.043 | 0.652 | 1,603         | 2.3%          | 0.015       |
| Lewisporte           | Gander                            | 3 | 60  | 0.731 | 0.051 | 0.783 | 9,651         | 13.6%         | 0.106       |
| Lewisporte           | Gander Bay Area                   | 3 | 104 | 1.006 | 0.070 | 1.076 | 6,370         | 9.0%          | 0.097       |
| Lewisporte           | Gambo                             | 3 | 106 | 0.974 | 0.068 | 1.043 | 2,099         | 3.0%          | 0.031       |
| Lewisporte           | Hare Bay-New-Wes-Valley Area      | 3 | 165 | 1.380 | 0.097 | 1.476 | 6,536         | 9.2%          | 0.136       |
| Lewisporte           | Glovertown & Eastport Pen Area    | 3 | 128 | 1.080 | 0.076 | 1.156 | 4,060         | 5.7%          | 0.066       |
| <b>Totals Zone 3</b> |                                   |   |     |       |       |       | <b>71,049</b> | <b>100.0%</b> | <b>0.91</b> |

## APPENDIX D

### TABLE D-3

#### Storage and Distribution Study

#### Gasoline Deliveries to Retail Outlets

| Existing<br>PPPC Zone and<br>Supply Source<br>Locations | 43000<br>Litres<br>Rates based on Full Tractor Trailer loads<br>and All Part Load Drops unless<br>otherwise indicated | PPPC<br>Zone | Dist-<br>ance<br>One<br>Way | Calculated<br>part Load<br>Rates | Add Diesel<br>Fuel<br>Surcharge<br>at Rate | Total<br>Calculated<br>part Load<br>Rates<br>Including<br>DFS | Adjusted<br>Popul-<br>ation<br>Spread<br>Census<br>2001 | % of<br>Total<br>Pop | Weighted<br>Average<br>Calculation |
|---|---|--------------|-----------------------------|----------------------------------|--|---|---|----------------------|------------------------------------|
|   | Destination Area  |              | Kms                         |                                  |  |   |   |                      |                                    |

#### PPPC - Zone 3 - Central Newfoundland from Avalon Terminals

|                      |                                   |   |     |              |              |              |               |               |             |
|----------------------|-----------------------------------|---|-----|--------------|--------------|--------------|---------------|---------------|-------------|
| St. John's/ Holyrood | Millertown                        | 3 | 503 | <b>3.143</b> | <b>0.220</b> | <b>3.363</b> | 228           | 0.3%          | 0.011       |
| St. John's/ Holyrood | Badger                            | 3 | 454 | <b>2.767</b> | <b>0.194</b> | <b>2.961</b> | 906           | 1.3%          | 0.038       |
| St. John's/ Holyrood | Grand Falls-Windsor-Bishops Falls | 3 | 425 | <b>2.633</b> | <b>0.184</b> | <b>2.817</b> | 17,028        | 24.0%         | 0.675       |
| St. John's/ Holyrood | Botwood & Area                    | 3 | 423 | <b>2.670</b> | <b>0.187</b> | <b>2.857</b> | 4,735         | 6.7%          | 0.190       |
| St. John's/ Holyrood | Pt Leamington-Leading Tickles     | 3 | 463 | <b>2.977</b> | <b>0.208</b> | <b>3.186</b> | 1,999         | 2.8%          | 0.090       |
| St. John's/ Holyrood | Norris Arm Area                   | 3 | 388 | <b>2.353</b> | <b>0.165</b> | <b>2.518</b> | 1,180         | 1.7%          | 0.042       |
| St. John's/ Holyrood | Lewisporte & Embree Area          | 3 | 340 | <b>2.140</b> | <b>0.150</b> | <b>2.289</b> | 5,342         | 7.5%          | 0.172       |
| St. John's/ Holyrood | Campbellton & Area                | 3 | 401 | <b>2.711</b> | <b>0.190</b> | <b>2.901</b> | 2,530         | 3.6%          | 0.103       |
| St. John's/ Holyrood | New World Island-Twillingate      | 3 | 430 | <b>2.889</b> | <b>0.202</b> | <b>3.091</b> | 6,782         | 9.5%          | 0.295       |
| St. John's/ Holyrood | Glenwood                          | 3 | 355 | <b>2.200</b> | <b>0.154</b> | <b>2.354</b> | 1,603         | 2.3%          | 0.053       |
| St. John's/ Holyrood | Gander                            | 3 | 330 | <b>2.074</b> | <b>0.145</b> | <b>2.220</b> | 9,651         | 13.6%         | 0.302       |
| St. John's/ Holyrood | Gander Bay Area                   | 3 | 394 | <b>2.450</b> | <b>0.172</b> | <b>2.622</b> | 6,370         | 9.0%          | 0.235       |
| St. John's/ Holyrood | Gambo                             | 3 | 294 | <b>1.916</b> | <b>0.134</b> | <b>2.050</b> | 2,099         | 3.0%          | 0.061       |
| St. John's/ Holyrood | Hare Bay-New-Wes-Valley Area      | 3 | 368 | <b>2.419</b> | <b>0.169</b> | <b>2.588</b> | 6,536         | 9.2%          | 0.238       |
| St. John's/ Holyrood | Glovertown & Eastport Pen Area    | 3 | 276 | <b>1.867</b> | <b>0.131</b> | <b>1.998</b> | 4,060         | 5.7%          | 0.114       |
| <b>Totals Zone 3</b> |                                   |   |     |              |              |              | <b>71,049</b> | <b>100.0%</b> | <b>2.62</b> |

|  |   |             |
|--|---|-------------|
| <b>PPPC-Zone 3a - Central - St. Brendan's Island</b> | See Rate Calculation Sheet for Tank Wagon Delivery-Appendix E | <b>3.80</b> |
|--|---|-------------|

|   |   |             |
|---|---|-------------|
| <b>PPPC-Zone 3b - Central - Fogo Island</b> | See Rate Calculation Sheet for Tank Wagon Delivery-Appendix E | <b>0.92</b> |
|---|---|-------------|

|  |   |             |
|--|---|-------------|
| <b>PPPC-Zone 3c - Central - Change Islands</b> | See Rate Calculation Sheet for Tank Wagon Delivery-Appendix E | <b>4.96</b> |
|--|---|-------------|

#### PPPC - Zone 4

|                      |                            |   |     |              |              |              |              |               |             |
|----------------------|----------------------------|---|-----|--------------|--------------|--------------|--------------|---------------|-------------|
| Lewisporte           | St Albans-Conne River Area | 4 | 201 | <b>1.676</b> | <b>0.117</b> | <b>1.793</b> | 3,729        | 42.9%         | 0.769       |
| Lewisporte           | English Hr West Area       | 4 | 238 | <b>1.929</b> | <b>0.135</b> | <b>2.064</b> | 1,599        | 18.4%         | 0.379       |
| Lewisporte           | Harbour Breton             | 4 | 249 | <b>1.990</b> | <b>0.139</b> | <b>2.130</b> | 2,079        | 23.9%         | 0.509       |
| Lewisporte           | Hermitage Area             | 4 | 248 | <b>1.985</b> | <b>0.139</b> | <b>2.124</b> | 1,293        | 14.9%         | 0.316       |
| <b>Totals Zone 4</b> |                            |   |     |              |              |              | <b>8,700</b> | <b>100.0%</b> | <b>1.97</b> |

|                      |                                    |   |             |
|----------------------|------------------------------------|---|-------------|
| <b>PPPC - Zone 4</b> | <b>Connaigre Peninsula via T/W</b> | See Rate Calculation Sheet for Tank Wagon Delivery-Appendix E | <b>0.81</b> |
|----------------------|------------------------------------|---|-------------|

#### PPPC - Zone 5

|                      |                         |   |     |              |              |              |               |               |             |
|----------------------|-------------------------|---|-----|--------------|--------------|--------------|---------------|---------------|-------------|
| Corner Brook         | Baie Verte Peninsula    | 5 | 224 | <b>1.700</b> | <b>0.119</b> | <b>1.819</b> | 6,888         | 42.0%         | 0.764       |
| Corner Brook         | Springdale Area         | 5 | 184 | <b>1.365</b> | <b>0.096</b> | <b>1.461</b> | 4,543         | 27.7%         | 0.405       |
| Corner Brook         | South Brook             | 5 | 182 | <b>1.306</b> | <b>0.091</b> | <b>1.397</b> | 578           | 3.5%          | 0.049       |
| Corner Brook         | Triton-Roberts Arm Area | 5 | 219 | <b>1.663</b> | <b>0.116</b> | <b>1.779</b> | 3,294         | 20.1%         | 0.357       |
| <b>Totals Zone 5</b> |                         |   |     |              |              |              | <b>16,401</b> | <b>100.0%</b> | <b>1.66</b> |

|                      |                                |   |             |
|----------------------|--------------------------------|---|-------------|
| <b>PPPC - Zone 5</b> | <b>Springdale Area via T/W</b> | See Rate Calculation Sheet for Tank Wagon Delivery-Appendix E | <b>1.05</b> |
|----------------------|--------------------------------|---|-------------|

#### PPPC - Zone 5a

|                       |                            |   |             |
|-----------------------|----------------------------|---|-------------|
| Springdale Bulk Plant | <b>Long Island via T/W</b> | See Rate Calculation Sheet for Tank Wagon Delivery-Appendix E | <b>4.69</b> |
|-----------------------|----------------------------|---|-------------|

#### PPPC - Zone 5b

|                       |                                   |   |             |
|-----------------------|-----------------------------------|---|-------------|
| Springdale Bulk Plant | <b>Little Bay Islands via T/W</b> | See Rate Calculation Sheet for Tank Wagon Delivery-Appendix E | <b>5.04</b> |
|-----------------------|-----------------------------------|---|-------------|

## APPENDIX D

### TABLE D-3

#### Storage and Distribution Study

#### Gasoline Deliveries to Retail Outlets

| Existing<br>PPPC Zone and<br>Supply Source<br>Locations       | 43000<br>Litres<br>Rates based on Full Tractor Trailer loads<br>and All Part Load Drops unless<br>otherwise indicated | PPPC<br>Zone   | Dist-<br>ance<br>One<br>Way | Calculated<br>part Load<br>Rates | Add Diesel<br>Fuel<br>Surcharge<br>at Rate | Total<br>Calculated<br>part Load<br>Rates<br>Including<br>DFS | Adjusted<br>Popul-<br>ation<br>Spread<br>Census<br>2001 | % of<br>Total<br>Pop | Weighted<br>Average<br>Calculation |             |
|---|---|--|-----------------------------|----------------------------------|--|---|---|----------------------|------------------------------------|-------------|
|   | Destination Area  |  | Kms                         |                                  |  |   |   |                      |                                    | CPL         |
| <b>PPPC - Zone 6 - Corner Brook &amp; Area</b>                |   |  |                             |                                  |  |   |   |                      |                                    |             |
| Corner Brook  | Corner Brook/Bay of Islands   | 6  | 11                          | 0.467                            | 0.033                                      | 0.500   | 24,483  | 63.2%                | 0.316                              |             |
| Corner Brook  | North Side - Humber Arm   | 6  | 30                          | 0.591                            | 0.041                                      | 0.632   | 3,874   | 10.0%                | 0.063                              |             |
| Corner Brook  | Steady Brook/ Pasadena  | 6  | 19                          | 0.489                            | 0.034                                      | 0.524   | 3,983   | 10.3%                | 0.054                              |             |
| Corner Brook  | Deer Lake Area  | 6  | 57                          | 0.716                            | 0.050                                      | 0.766   | 6,121   | 15.8%                | 0.121                              |             |
| Corner Brook  | Wiltondale  | 6  | 77                          | 0.874                            | 0.061                                      | 0.935   | 30  | 0.1%                 | 0.001                              |             |
| Corner Brook  | Howley  | 6  | 95                          | 0.913                            | 0.064                                      | 0.977   | 271   | 0.7%                 | 0.007                              |             |
| <b>Totals Zone 6</b>  |   |  |                             |                                  |  |   | <b>38,762</b>   | <b>100.0%</b>        | <b>0.56</b>                        |             |
| <b>PPPC - Zone 7 - Stephenville-Port aux Basques-Burgeo</b>   |   |  |                             |                                  |  |   |   |                      |                                    |             |
| Corner Brook  | Stephenville/St. George's Area  | 7  | 82                          | 0.829                            | 0.058                                      | 0.887   | 13818   | 43.6%                | 0.387                              |             |
| Corner Brook  | Port au Port Peninsula  | 7  | 130                         | 1.171                            | 0.082                                      | 1.253   | 5098  | 16.1%                | 0.202                              |             |
| Corner Brook  | Robinsons- Codroy Area  | 7  | 129                         | 1.167                            | 0.082                                      | 1.249   | 1472  | 4.6%                 | 0.058                              |             |
| Corner Brook  | Doyles/Codroy Area  | 7  | 181                         | 1.413                            | 0.099                                      | 1.512   | 1708  | 5.4%                 | 0.082                              |             |
| Corner Brook  | Post aux Basque Area  | 7  | 229                         | 1.590                            | 0.111                                      | 1.701   | 7779  | 24.6%                | 0.418                              |             |
| Corner Brook  | Burgeo  | 7  | 213                         | 1.653                            | 0.116                                      | 1.769   | 1782  | 5.6%                 | 0.100                              |             |
| <b>Totals Zone 7</b>  |   |  |                             |                                  |  |   | <b>17,839</b>   | <b>100.0%</b>        | <b>1.25</b>                        |             |
| <b>PPPC - Zone 7a</b>   |   |  |                             |                                  |  |   |   |                      |                                    |             |
| Corner Brook  | Ramea   | See Rate Calculation Sheet for partial TT Delivery via Burgeo Table D-4      |                             |                                  |  |   |   |                      |                                    | <b>4.05</b> |
| <b>PPPC - Zone 8 - Southern Portion of Northern Peninsula</b> |   |  |                             |                                  |  |   |   |                      |                                    |             |
| Corner Brook  | Woody Point & Area  | 8  | 116                         | 1.148                            | 0.080                                      | 1.228   | 391   | 8.2%                 | 0.101                              |             |
| Corner Brook  | Trout River & Area  | 8  | 134                         | 1.265                            | 0.089                                      | 1.354   | 636   | 13.3%                | 0.180                              |             |
| Corner Brook  | Norris Point  | 8  | 120                         | 1.143                            | 0.080                                      | 1.223   | 806   | 16.9%                | 0.207                              |             |
| Corner Brook  | Rocky Harbour & Area  | 8  | 122                         | 1.154                            | 0.081                                      | 1.235   | 1039  | 21.8%                | 0.269                              |             |
| Corner Brook  | St. Paul's & Area   | 8  | 157                         | 1.350                            | 0.094                                      | 1.444   | 395   | 8.3%                 | 0.120                              |             |
| Corner Brook  | Cow Head & Area   | 8  | 168                         | 1.411                            | 0.099                                      | 1.510   | 561   | 11.8%                | 0.178                              |             |
| Corner Brook  | Parsons Pond  | 8  | 180                         | 1.478                            | 0.103                                      | 1.582   | 492   | 10.3%                | 0.163                              |             |
| Corner Brook  | Daniel's Harbour & Area   | 8  | 206                         | 1.681                            | 0.118                                      | 1.799   | 451   | 9.5%                 | 0.170                              |             |
| <b>Totals Zone 8</b>  |   |  |                             |                                  |  |   | <b>4,771</b>  | <b>100.0%</b>        | <b>1.39</b>                        |             |
| <b>PPPC - Zone 9 - Northern Portion of Northern Peninsula</b> |   |  |                             |                                  |  |   |   |                      |                                    |             |
| Corner Brook  | Hawkes Bay/Port Au Choix Area   | 9  | 271                         | 1.993                            | 0.140                                      | 2.133   | 2627  | 17.6%                | 0.376                              |             |
| Corner Brook  | Bartlett's Hr to Green Island Brook   | 9  | 350                         | 2.445                            | 0.171                                      | 2.616   | 4201  | 28.2%                | 0.737                              |             |
| Corner Brook  | Roddicton/ Main Brook Areas   | 9  | 407                         | 2.932                            | 0.205                                      | 3.137   | 2699  | 18.1%                | 0.568                              |             |
| Corner Brook  | St. Anthony Area  | 9  | 472                         | 3.233                            | 0.226                                      | 3.460   | 5381  | 36.1%                | 1.249                              |             |
| <b>Totals Zone 9</b>  |   |  |                             |                                  |  |   | <b>14,908</b>   | <b>100.0%</b>        | <b>2.93</b>                        |             |
| <b>PPPC - Zone 10</b>   | <b>Labrador Straits via T/W</b>   | See Rate Calculation Sheet for Tank Wagon Delivery-Appendix E                |                             |                                  |  |   |   |                      |                                    | <b>2.18</b> |
| <b>PPPC - Zone 11</b>   | <b>Labrador South via T/W</b>   | See Rate Calculation Sheet for Tank Wagon Delivery-Appendix E                |                             |                                  |  |   |   |                      |                                    | <b>2.49</b> |
| <b>PPPC - Zone 12</b>   | <b>Central Labrador via T/W</b>   | See Rate Calculation Sheet for Tank Wagon Delivery-Appendix E                |                             |                                  |  |   |   |                      |                                    | <b>0.98</b> |
| <b>PPPC - Zone 13</b>   | <b>Western Labrador via T/W</b>   | See Rate Calculation Sheet for Tank Wagon Delivery-Appendix E                |                             |                                  |  |   |   |                      |                                    | <b>0.63</b> |
| <b>PPPC - Zone 13a</b>  | <b>Churchill Falls via T/W</b>  | See Rate Calculation Sheet for Tank Wagon Delivery-Appendix E                |                             |                                  |  |   |   |                      |                                    | <b>2.72</b> |
| <b>PPPC - Zone 14</b>   | <b>Labrador Coast North</b>   | No Retail Outlets Identified - Customers serviced directly at Storage Depots |                             |                                  |  |   |   |                      |                                    | <b>N/A</b>  |

## APPENDIX D

### TABLE D-4

#### Gasoline Deliveries to Retail Outlets Rate based on Partial Load to one Retail Outlet

|   |                      | <b>Cost CPL</b> |  | <b>4.05</b>                    |  |
|---|----------------------|-----------------|--|--------------------------------|--|
| 43,000  | Litres per Full Load |                 | 13,000                                   | 30,000                         |  |
| <b>PPPC<br/>Zone</b>  | Source Terminal      | Units           | Assumes part<br>load drops at<br>Burgeo. | Litres for<br>Ramea<br>Portion |  |
| <b>7a - Ramea Island (Retail Outlet)</b>                        | <b>Corner Brook</b>  |                 | <b>Burgeo Portion</b>                    | <b>Ramea<br/>Portion*</b>      |  |
| Distance One Way  |                      | kms             | 213                                      | 213                            |  |
| Additional kms to reach edge of Supplying Terminal City/Town    |                      | kms             | 7  | 7                              |  |
| Equivalent Distance One-Way on TCH Class A Paved Roads          |                      | kms             | 60                                       | 60                             |  |
| Equivalent Distance One-Way on Good Quality Class B Paved Roads |                      | kms             | 150                                      | 150                            |  |
| Equivalent Distance One-Way on other Local Class C Road Systems |                      | kms             | 3  | 3                              |  |
| Equivalent Distance One-Way in City/Town Road Systems           |                      | kms             | 7  | 7                              |  |
| Check Distance  |                      | #               | 0  | 0                              |  |
| Assumed Number of Drops   |                      | #               | 2  | 1                              |  |
| Loading Time (Full Load)  |                      | hrs             | 1.0                                      | 1.0                            |  |
| Total Drop Time - All Destination Outlets (30 min per drop)     |                      | hrs             | 1.0                                      | 0.5                            |  |
| Ferry Loading-Crossing-Return Trip Time                         |                      | hrs             | N/A                                      | 5.0                            |  |
| Overnight Trip due Ferry Crossing at 7:45 am Sunday Morning     |                      | hrs             | N/A                                      | N/A                            |  |
| Driver Break Times and Other Delays                             |                      | hrs             | 1.00                                     | 0.5                            |  |
| Total Non Travel Time with Vehicle                              |                      | hrs             | <b>3.0</b>                               | <b>7.0</b>                     |  |
| Class A Road Travel @ 90 kms/hr                                 |                      | hrs             | 0.7                                      | 0.7                            |  |
| Class B Road Travel @ 65 kms/hr                                 |                      | hrs             | 2.3                                      | 2.3                            |  |
| Class C Road Travel @ 40 kms/hr                                 |                      | hrs             | 0.1                                      | 0.1                            |  |
| City/Town C Road Travel @ 30 kms/hr (Including on Island)       |                      | hrs             | 0.2                                      | 0.2                            |  |
| Trip Travel Time each way                                       |                      | hrs             | 3.3                                      | 3.3                            |  |
| Total travel Time Return Trip                                   |                      | hrs             | <b>6.6</b>                               | <b>6.6</b>                     |  |
| Total Trip Hours Return   |                      | hrs             | <b>9.6</b>                               | <b>13.6</b>                    |  |
| Tractor Trailer Positioning Cost \$                             |                      | \$              | \$50.00                                  | \$50.00                        |  |
| Non-Travel Cost @ \$50.00 per hour                              |                      | \$              | \$150.00                                 | \$350.00                       |  |
| Non-Travel Cost Overnight at Motel for Driver \$20 / Hr + \$100 |                      | \$              | N/A                                      | N/A                            |  |
| Return Trip on Good TCH Class A Highway @ \$1.00 per km         |                      | \$              | \$120.00                                 | \$120.00                       |  |
| Return Trip on Class B Paved Highway @ \$1.20 per km            |                      | \$              | \$360.00                                 | \$360.00                       |  |
| Return Trip on Class C Highway Roads @ \$1.40 per km            |                      | \$              | \$8.40                                   | \$8.40                         |  |
| Return Trip on City/Town Roads @ \$ 1.60 per km                 |                      | \$              | \$22.40                                  | \$22.40                        |  |
| Trip Travel Cost  |                      | \$              | \$510.80                                 | \$510.80                       |  |
| Ferry Crossing Cost - Return Trip*(see Note)                    |                      | \$              | N/A                                      | \$225.00                       |  |
| Total Trip Cost to Retail Outlets at designated location        |                      | \$              | \$710.80                                 | \$1,135.80                     |  |
| Calculated Total Trip Cost (Cents per Litre)                    |                      | CPL             | 1.653                                    | 3.786                          |  |
| Diesel Fuel Surcharge at Rate                                   |                      | %               | 7.00%                                    | 7.00%                          |  |
| Total Calculated part Load Delivery Rates Including DFS         |                      | CPL             | <b>1.769</b>                             | <b>4.051</b>                   |  |

\* Ferry leaves Burgeo at 9:30 am Wednesday mornings and returns to Burgeo loading at 1:00 pm the same day. Total time for delivery ex Burgeo is 5.0 hrs. Cost of Ferry for TT is \$108 each way + \$4.50 each way for driver. 13,000 litres dropped at Burgeo retail outlets.