# \$ublic Servire Commission 

-M-E-M-O-R-A-N-D-U-M-

DATE: October 1, 1999
TO: Elaine Johnson, Division of Communications
FROM: Eva Samaan, Division of Auditing and Financial Analysis
RE: Docket No. 991269-TI, Network Operator Services, Interest Calculation for Refund off Overcharges

Staff has calculated the interest on the overcharges in this show cause proceeding based on a memo received on September 16, 1999 from the Division of Communications. The overcharges occurred from February to May of 1999. For purposes of this analysis staff applied the mid-month convention in calculating the interest. The appropriate interest rate is the 30-day commercial paper rate for each month. The last available interest rate was the monthly average of $5.21 \%$ during September 1999. Your memo indicated that the overcharges will be refunded on January 2000. The total refund is $\$ 3,924.04$, which consists of $\$ 3,771.30$ in overcharges and $\$ 152.74$ in interest accrued through January 2000 as shown on the attached schedule.

cc: Division of Legal Services
Division of Records and Reporting (2)

|  | NETWORK OPERATOR SERVICES |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MONTH | AVERAGE <br> MONTHLY <br> INTEREST <br> RATE | MONTHLY INTEREST FACTOR | $\begin{aligned} & \text { MONTHLY } \\ & \text { OVER } \\ & \text { CHARGE } \end{aligned}$ | $\begin{aligned} & \text { ACCUM, } \\ & \text { QVER } \\ & \text { CHARGE } \end{aligned}$ | INTEREST ON <br> MONTHLY OVER CHARGE | MONTHLY. OYERCHARGE PRINCIPAL ANDINTEREST | BALANCE <br> FORWARD <br> PLUS <br> INTEREST | $\begin{aligned} & \text { REFUND } \\ & \text { BALANCE } \end{aligned}$ | ACCUM INTEREST |
| FEB 99 | 4.83\% | 0.40\% | \$385.57 | \$385.57 | \$0.78 | \$386.35 | \$0.00 | \$386.35 | \$0.78 |
| MAR | 4.87\% | 0.41\% | \$494.37 | \$879.94 | \$1.00 | \$495.37 | \$387.91 | \$883.28 | \$3.34 |
| APR | 4.84\% | 0.40\% | \$997.16 | \$1,877.10 | \$2.01 | \$999.17 | \$886.85 | \$1,886.02 | \$8.92 |
| MAY | 4.83\% | 0.40\% | \$1,894.20 | \$3,771.30 | \$3.81 | \$1,898.01 | \$1,893.60 | \$3,791.61 | \$20.31 |
| JUN | 4.95\% | 0.41\% | \$0.00 | \$3,771.30 | \$0.00 | \$0.00 | \$3,807.25 | \$3,807.25 | \$35.95 |
| JUL | 5.08\% | 0.42\% | \$0.00 | \$3,771.30 | \$0.00 | \$0.00 | \$3,823.35 | \$3,823.35 | \$52.05 |
| AUG | 5.21\% | 0.43\% | \$0.00 | \$3,771.30 | \$0.00 | \$0.00 | \$3,839.95 | \$3,839.95 | \$68.65 |
| SEPT | 5.21\% | 0.43\% | \$0.00 | \$3,771.30 | \$0.00 | \$0.00 | \$3,856.62 | \$3,856.62 | \$85.32 |
| OCT | 5.21\% | 0.43\% | \$0.00 | \$3,771.30 | \$0.00 | \$0.00 | \$3,873.37 | \$3,873.37 | \$102.07 |
| NOV | 5.21\% | 0.43\% | \$0.00 | \$3,771.30 | \$0.00 | \$0.00 | \$3,890.18 | \$3,890.18 | \$118.88 |
| DEC | 5.21\% | 0.43\% | \$0.00 | \$3,771.30 | \$0.00 | \$0.00 | \$3,907.07 | \$3,907.07 | \$135.77 |
| JAN | 5.21\% | 0.43\% | \$0.00 | \$3,771.30 | \$0.00 | \$0.00 | \$3,924.04 | \$3,924.04 | \$152. |
|  |  |  |  |  |  |  | PRINCIPAL INTEREST TOTALS AS O | NUARY 2000 | $\begin{array}{r} \$ 3,771.30 \\ \$ 152.74 \\ \$ 3,924.04 \end{array}$ |

