

PRESION EN SANTO TOME (bar):  
PRESION EN AVELLANEDA (bar):

90  
40

CONSUMOS PROYECTADOS AL 2030

| MAPA       | Tramo                                    | caudales de diseño   |                    |             |                            | MEDIA | TRONCAL | RAMALES | Diametro | Diametro | Presión bar |        | Velocidad | Porcentaje |
|------------|------------------------------------------|----------------------|--------------------|-------------|----------------------------|-------|---------|---------|----------|----------|-------------|--------|-----------|------------|
|            |                                          | domiciliario<br>m3/h | Industrial<br>m3/h | GNC<br>m3/h | TOTAL<br>ACUMULADO<br>m3/h |       |         |         |          |          | P1          | P2     |           |            |
| TRONCAL    | 90 Santo Tomé-Recreo                     | 2483                 | 2794               | 2000        | 75.905                     |       | 26390   |         | 12       | 305      | 90,000      | 86,503 | 3,28      | 3,89%      |
| RAMAL      | 25 Recreo-Monte Vera                     |                      |                    |             | 0                          |       |         |         | 3        | 76       | 25,000      |        |           |            |
| RAMAL      | 25 Monte Vera-A. Aguiar                  |                      |                    |             | 0                          |       |         |         | 2        | 51       |             |        |           |            |
| TRONCAL    | 90 Recreo-Gdor. Candiotti                | 146                  | 0                  | 0           | 68.628                     |       | 12480   |         | 12       | 305      | 86,503      | 85,087 | 3,08      | 1,64%      |
| TRONCAL    | 90 Gdor. Candiotti-Red. 16 a 12          | 0                    | 0                  | 0           | 68.482                     |       | 12903   |         | 12       | 305      | 85,087      | 83,605 | 3,13      | 1,74%      |
| TRONCAL    | 90 Red. 16 a 12-Nelson                   | 464                  | 2058               |             | 68.482                     |       | 2000    |         | 12       | 305      | 83,605      | 83,372 | 3,18      | 0,28%      |
| RAMAL      | 25 Nelson-Lag. Paiva                     |                      |                    |             | 0                          |       |         |         | 3        | 76       | 25,000      |        |           |            |
| TRONCAL    | 90 Nelson-Llambi Campbell                | 328                  | 798                |             | 65.959                     |       | 11398   |         | 12       | 305      | 83,372      | 82,126 | 3,07      | 1,50%      |
| TRONCAL    | 90 Llambi Campbell-Cabal                 | 2                    | 0                  |             | 64.833                     |       | 11518   |         | 12       | 305      | 82,126      | 80,886 | 3,07      | 1,51%      |
| TRONCAL    | 90 Cabal-Emilia                          | 142                  | 309                |             | 64.833                     |       | 5156    |         | 12       | 305      | 80,886      | 80,326 | 3,11      | 0,69%      |
| TR. EMI-SC | 25 Emilia-Maria Luisa                    |                      |                    |             | 0                          |       |         |         | 6        | 152      | 25,000      |        |           |            |
| RAMAL      | 25 Maria Luisa-Providencia               |                      |                    |             | 0                          |       |         |         |          |          |             |        |           |            |
| RAMAL      | 25 Maria Luisa-Santo domingo             |                      |                    |             | 0                          |       |         |         | 4        | 102      |             |        |           |            |
| RAMAL      | 25 Santo domingo-Progreso                |                      |                    |             | 0                          |       |         |         | 3        | 76       |             |        |           |            |
| MEDIA      | Santo Domingo-Cululu                     |                      |                    |             | 0                          |       |         |         |          |          |             |        |           |            |
| MEDIA      | Progreso-Hipatia                         |                      |                    |             | 0                          |       |         |         |          |          |             |        |           |            |
| TR. EMI-SC | 25 Maria Luisa- ERP Deriv. Soledad       |                      |                    |             | 0                          |       |         |         | 6        | 152      |             |        |           |            |
| MEDIA      | Deriv. Soledad-La Pelada                 |                      |                    |             | 0                          |       |         |         |          |          |             |        |           |            |
| MEDIA      | Deriv. Soledad-J. Arauz                  |                      |                    |             | 0                          |       |         |         |          |          |             |        |           |            |
| MEDIA      | J. Arauz-Soledad                         |                      |                    |             | 0                          |       |         |         |          |          |             |        |           |            |
| MEDIA      | Deriv. Soledad-Elisa                     |                      |                    |             | 0                          |       |         |         |          |          |             |        |           |            |
| TR. EMI-SC | 25 ERP Deriv. Soledad-San Cristobal      |                      |                    |             | 0                          |       |         |         | 6        | 152      |             |        |           |            |
| RAMAL      | 25 Emilia-ERP. Deriv. Helvecia y Cayastá |                      |                    |             | 0                          |       |         |         | 4        | 102      | 25,000      |        |           |            |
| MEDIA      | ERP Deriv. Helv. Y Cayastá-Helvecia      |                      |                    |             | 0                          |       |         |         |          |          |             |        |           |            |
| MEDIA      | ERP Deriv. Helv. Y Cayastá-Cayastá       |                      |                    |             | 0                          |       |         |         |          |          |             |        |           |            |
| TRONCAL    | 90 Emilia-Videla                         | 207,984              | 0                  | 0           | 64.380                     |       | 14437   |         | 12       | 305      | 80,326      | 78,755 | 3,11      | 1,96%      |
| TRONCAL    | 90 Videla-Angeloni                       | 8,4                  | 0                  | 0           | 64.172                     |       | 12508   |         | 12       | 305      | 78,755      | 77,376 | 3,16      | 1,75%      |
| TRONCAL    | 90 Angeloni-San Justo                    | 3400,32              | 4829,76            | 2000        | 64.163                     |       | 11642   |         | 12       | 305      | 77,376      | 76,071 | 3,22      | 1,69%      |
| TRONCAL    | 90 San Justo-Ramayón                     | 37,296               | 162,24             | 0           | 53.933                     |       | 17039   |         | 12       | 305      | 76,071      | 74,654 | 2,75      | 1,86%      |
| TRONCAL    | 90 Ramayón-M. Escalada                   | 267,12               | 0                  | 0           | 53.734                     |       | 12394   |         | 12       | 305      | 74,654      | 73,614 | 2,79      | 1,39%      |
| TRONCAL    | 90 M. Escalada-Silva                     | 28,896               | 0                  | 0           | 53.467                     |       | 17547   |         | 12       | 305      | 73,614      | 72,129 | 2,82      | 2,02%      |
| TRONCAL    | 90 Silva-Gdor. Crespo                    | 915,6                | 1745,28            | 1500        | 53.438                     |       | 9407    |         | 12       | 305      | 72,129      | 71,322 | 2,87      | 1,12%      |
| RAMAL      | 25 Gdor. Crespo-Cnia. Dolores            |                      |                    |             | 0                          |       |         |         | 6        | 152      | 25,000      |        |           |            |
| RAMAL      | 25 Cnia. Dolores-La Brava                |                      |                    |             | 0                          |       |         |         | 6        | 152      |             |        |           |            |
| RAMAL      | 25 La Brava-San Javier                   |                      |                    |             | 0                          |       |         |         | 6        | 152      |             |        |           |            |
| TRONCAL    | 90 Gdor. Crespo-La Criolla               | 196,896              | 297,6              | 0           | 49.277                     |       | 17141   |         | 12       | 305      | 71,322      | 70,033 | 2,68      | 1,81%      |
| TRONCAL    | 90 La Criolla-Vera y Pintado             | 121,296              | 0                  | 0           | 48.782                     |       | 9225    |         | 12       | 305      | 70,033      | 69,343 | 2,70      | 0,99%      |
| TRONCAL    | 90 Vera y Pintado-P. G. Cello            | 26,544               | 0                  | 0           | 48.661                     |       | 12294   |         | 12       | 305      | 69,343      | 68,416 | 2,72      | 1,34%      |
| TRONCAL    | 90 P. G. Cello-Calchaquí                 | 1,016                | 1,262              | 1,000       | 48.635                     |       | 18310   |         | 12       | 305      | 68,416      | 67,015 | 2,76      | 2,05%      |
| TRONCAL    | 90 Calchaquí-Margarita                   | 307                  | 375                | 0           | 45.356                     |       | 22761   |         | 12       | 305      | 67,015      | 65,446 | 2,62      | 2,34%      |
| TRONCAL    | 60 Margarita-Deriv. La Gallareta         | 0                    | 0                  | 0           | 44.674                     |       | 7744    |         | 12       | 305      | 60,000      | 59,425 | 2,88      | 0,96%      |
| RAMAL      | 25 Gallareta                             |                      |                    |             | 0                          |       |         |         |          |          |             |        |           |            |
| TRONCAL    | 60 Deriv. La Gallareta-Vera              | 1.793                | 55                 | 2.000       | 44.674                     |       | 25621   |         | 12       | 305      | 59,425      | 57,483 | 2,91      | 3,27%      |
| TRONCAL    | 60 Vera-Malabrigo                        | 982                  | 570                | 0           | 40.826                     |       | 24010   |         | 12       | 305      | 57,483      | 55,890 | 2,75      | 2,77%      |
| TRONCAL    | 60 Malabrigo-Berna                       | 44                   | 0                  | 0           | 39.274                     |       | 15316   |         | 12       | 305      | 55,890      | 54,922 | 2,71      | 1,73%      |
| TRONCAL    | 60 Berna-Deriv. Romang                   | 0                    | 0                  | 0           | 39.230                     |       | 18522   |         | 12       | 305      | 54,922      | 53,731 | 2,76      | 2,17%      |
| RAMAL      | 25 Deriv. Romang-Los Laureles            |                      |                    |             | 0                          |       |         |         | 4        | 102      | 25,000      |        |           |            |
| RAMAL      | 25 Los Laureles-Romang                   |                      |                    |             | 0                          |       |         |         | 4        | 102      |             |        |           |            |
| TRONCAL    | 40 Deriv. Romang-Reconquista             | 8.954                | 13.191             | 3.500       | 39.230                     |       | 4523    |         | 12       | 305      | 40,000      | 39,606 | 3,76      | 0,99%      |
| TRONCAL    | 40 Reconquista-Avellaneda                | 2.674                | 8.911              | 2.000       | 13.584                     |       | 1653    |         | 12       | 305      | 39,606      | 39,585 | 1,32      | 0,05%      |
| TRONCAL    | 40 Avellaneda-Guadalupe Norte            |                      |                    |             | 0                          |       |         |         | 10       | 254      | 39,585      |        |           |            |
| TRONCAL    | 40 Guadalupe Norte-Lanteri               |                      |                    |             | 0                          |       |         |         | 10       | 254      |             |        |           |            |
| TRONCAL    | 40 Lanteri-A. Ceibal                     |                      |                    |             | 0                          |       |         |         | 10       | 254      |             |        |           |            |
| TRONCAL    | 40 A. Ceibal-El Sombrenito               |                      |                    |             | 0                          |       |         |         | 10       | 254      |             |        |           |            |
| TRONCAL    | 40 El sombrenito-Villa Ocampo            |                      |                    |             | 0                          |       |         |         | 10       | 254      |             |        |           |            |
| RAMAL      | 25 Villa Ocampo-Villa Adela              |                      |                    |             | 0                          |       |         |         |          |          |             |        |           |            |
| RAMAL      | 25 Villa Adela-Villa Ana                 |                      |                    |             | 0                          |       |         |         |          |          |             |        |           |            |
| TRONCAL    | 25 Villa Ocampo-Tacuarendi y San Antonio |                      |                    |             | 0                          |       |         |         | 8        | 203      |             |        |           |            |
| TRONCAL    | 25 Tacuarendi-San Antonio -Las Toscas    |                      |                    |             | 0                          |       |         |         | 8        | 203      |             |        |           |            |
| TRONCAL    | 25 Las Toscas-Deriv. V. Guillermina      |                      |                    |             | 0                          |       |         |         | 4        | 102      |             |        |           |            |
| RAMAL      | 25 Deriv. V. Guillermina-V. Guillermina  |                      |                    |             | 0                          |       |         |         | 3        | 76       |             |        |           |            |
| TRONCAL    | 25 Deriv. V. Guillermina-El Rabón        |                      |                    |             | 0                          |       |         |         | 4        | 102      |             |        |           |            |
| TRONCAL    | 25 El Rabón-Florencia                    |                      |                    |             | 0                          |       |         |         | 4        | 102      |             |        |           |            |

|        |        |        |        |         |   |        |   |
|--------|--------|--------|--------|---------|---|--------|---|
| 75.905 | 24.547 | 37.358 | 14.000 | TOTALES | 0 | 353935 | 0 |
|--------|--------|--------|--------|---------|---|--------|---|

| TRONCAL |            |           |                   |                 | RAMALES 25 BAR |           |                   |                 |      |
|---------|------------|-----------|-------------------|-----------------|----------------|-----------|-------------------|-----------------|------|
| Ø       | MAPO (bar) | LONG. (m) | UNITARIO (US\$/m) | SUBTOTAL (US\$) | Ø              | LONG. (m) | UNITARIO (US\$/m) | SUBTOTAL (US\$) |      |
| 16      | 90         | 0         | 165,74            | 0,00            | 10             | 0         | 0,00              | 0,00            |      |
| 14      | 90         | 0         | 140,00            | 0,00            | 8              | 0         | 65                | 0,00            |      |
| 12      | 90         | 256548    | 124,18            | 31.858.130,64   | 6              | 0         | 55                | 0,00            |      |
| 12      | 60         | 97388     | 116,50            | 11.345.702,00   | 4              | 0         | 35                | 0,00            |      |
| 10      | 40         | 0         | 90,00             | 0,00            | 3              | 0         | 22                | 0,00            |      |
| 8       | 25         | 0         | 65,00             | 0,00            | 2              | 0         | 17                | 0,00            |      |
| 4       | 25         | 0         | 35,00             | 0,00            | Media Presión  | 0         | 11                | 0,00            |      |
| TOTALES |            |           |                   | 353936          | TOTAL          |           |                   |                 | 0,00 |

| COMPRESORAS, ERP Y ELP   |          |                 |                 | PRESUPUESTO TOTAL SISTEMA |           |            |
|--------------------------|----------|-----------------|-----------------|---------------------------|-----------|------------|
| TIPO                     | CANTIDAD | UNITARIO (US\$) | SUBTOTAL (US\$) | ITEM                      | CANTIDAD  | US\$       |
| ELP 90-60                | 1        | 50.000,00       | 50.000,00       | GASODUCTO TRONCAL         | 353.936   | 43.203.833 |
| ELP 60-40                | 1        | 35.000,00       | 35.000,00       | RAMALES                   | 0         | 0          |
| ELP 40-25                | 0        | 30.000,00       | 0,00            | ESTACIONES LIMITADORAS    | 2         | 85.000     |
| COMPRESORA 30-90         | 1        | 7.500.000,00    | 7.500.000,00    | ESTACION COMPRESORA       | 1         | 7.500.000  |
| ERP A AGREGAR AL SISTEMA |          |                 |                 | ESTACIONES REGULADORAS    | 13        | 1.375.000  |
|                          |          |                 |                 | RED DOMICILIARIA TRONCAL  | 1.004.336 | 7.173.829  |
| TOTAL                    |          |                 |                 | RED DOMICILIARIA RAMALES  | 0         | 0          |
|                          |          |                 |                 |                           |           | 59.337.661 |