

Northern Natural Gas  
2022 Maintenance Capital Update  
Posted April 14, 2022  
(\$ in thousands)

Docket No. RP19-1353

| Maintenance Capital Expenditure Description         | 2022<br>Posted<br>April '22 | 2022<br>Posted<br>December '21 | Increase/<br>(Decrease) |
|---|-----------------------------|--------------------------------|-------------------------|
| Pipeline Assessments                                | \$ 65,687                   | \$ 64,796                      | \$ 891                  |
| Compression Replacement                             | 59,455                      | 56,890                         | 2,565                   |
| LNG Replacement                                     | 3,972                       | 2,053                          | 1,919                   |
| Underground Storage Integrity                       | 5,056                       | 4,891                          | 165                     |
| Vintage Pipeline Replacement                        | 128,973                     | 119,840                        | 9,133                   |
| <b>Total Asset Modernization</b>                    | <b>\$ 263,143</b>           | <b>\$ 248,470</b>              | <b>\$ 14,673</b>        |
| Building/Facility - Field                           | 8,136                       | 5,050                          | 3,086                   |
| Pipeline Integrity                                  | 59,142                      | 52,204                         | 6,938                   |
| Pipeline-Shallow/Exposed Pipe Measurement           | 33,973                      | 35,526                         | (1,553)                 |
| Automation/Controls                                 | 15,025                      | 24,499                         | (9,474)                 |
| Pipeline - Relocation                               | 15,963                      | 16,846                         | (883)                   |
| Compressor Mods                                     | 1,193                       | 1,194                          | (1)                     |
| Underground/LNG Storage                             | 11,088                      | 4,344                          | 6,744                   |
| Measurement-Heaters                                 | 15,923                      | 3,331                          | 12,592                  |
| Valve Installation/Replacement                      | 15,675                      | 11,713                         | 3,962                   |
| Corrosion Control                                   | 15,330                      | 13,412                         | 1,918                   |
| Odorization   | 7,711                       | 4,313                          | 3,398                   |
| Pipeline Safety Act HCA                             | 4,470                       | 2,565                          | 1,905                   |
| Unit Exchange                                       | 17,375                      | 16,295                         | 1,080                   |
| Systems Development                                 | 4,087                       | 4,751                          | (664)                   |
| Special Projects                                    | 5,424                       | 5,288                          | 136                     |
| Retirements   | 10,470                      | 5,482                          | 4,988                   |
| Risk-ESD  | 8,327                       | 7,506                          | 821                     |
| Transportation/Mobile Work Equipment                | 6,049                       | 5,985                          | 64                      |
| Information Technology                              | 5,394                       | 3,853                          | 1,541                   |
| Other   | 19,811                      | 20,447                         | (636)                   |
| <b>Other Maintenance Capital</b>                    | <b>\$ 19,496</b>            | <b>\$ 16,311</b>               | <b>\$ 3,185</b>         |
| <b>Total Maintenance Capital</b>                    | <b>\$ 300,062</b>           | <b>\$ 260,915</b>              | <b>\$ 39,147</b>        |
| Maintenance Capital Target Appendix D of Settlement | \$ 400,000                  | \$ 400,000                     |                         |
| <b>Variance - Increase/(Decrease)</b>               | <b>\$ 163,205</b>           | <b>\$ 109,385</b>              |                         |