| Minnesota Energy Resources Confi                 | dentia | I PU                |                |        |           | AS BEEN EXCISE |           |           |            | EXHIBIT C-   |
|--|--------|---------------------|----------------|--------|-----------|----------------|-----------|-----------|------------|--------------|
| Model Version 0797.A, Rev 1/04/13                |        |                     | ME             | ERC P  | roject Fe | asibility -    | 2014 Inte | erim Rate | <b>?</b> S |              |
| [Trade secret data begins                        |        |                     |                |        |           |                |           |           |            |              |
| Project Name <mark>Faya</mark>                   | l Town | ship - Test Base Ca | ase for O&M Im | pact   |           |                |           |           |            |              |
| Note: Inputs @ >>> (yellow)                      |        |                     |                |        |           |                |           |           |            |              |
|  |        | Year 1              | Year 2         | Year 3 | Year 4    | Year 5         | Year 6    | Year 7    | Year 8     | Year 9       |
| Residential Customer/Usage                       |        |                     |                |        |           |                |           |           |            |              |
| Projected # of Incremental Customers             | >>>    |                     |                |        |           |                |           |           |            |              |
| Total Resid Customers Per Project                |        |                     |                |        |           |                |           |           |            |              |
| Per Avg Customer MCF/Kwh Usage                   | >>>    |                     |                |        |           |                |           |           |            |              |
| Margin per MCF/Kwh                               | >>>    |                     |                |        |           |                |           |           |            |              |
| Monthly Customer Charge                          | >>>    |                     |                |        |           |                |           |           |            |              |
|  |        |                     |                |        |           |                |           |           |            |              |
| Commercial Customer/Usage                        |        |                     |                |        |           |                |           |           |            |              |
| Projected # of Incremental Customers             | >>>    |                     |                |        |           |                |           |           |            |              |
| Total Coml Customers Accumulated                 |        |                     |                |        |           |                |           |           |            |              |
| Per Avg Customer MCF/Kwh Usage                   | >>>    |                     |                |        |           |                |           |           |            |              |
| Margin per MCF/Kwh                               | >>>    |                     |                |        |           | <u>.</u>       | •         |           |            |              |
| Monthly Customer Charge                          | >>>    |                     |                |        |           |                |           |           |            |              |
|  |        |                     |                |        |           |                |           |           |            |              |
| Capital Investment                               |        |                     |                |        |           |                |           |           |            |              |
| From Customer Estimate Form                      |        |                     |                |        |           |                |           |           |            |              |
| OR Enter Below                                   |        |                     |                |        |           |                |           |           |            |              |
| Infrastructure Cost Mains, Other                 | >>>    |                     |                |        |           |                |           |           |            |              |
| Cost per Resid Cust Services                     | >>>    |                     |                |        |           |                |           |           |            |              |
| Cost per Coml Cust Services                      | >>>    |                     |                |        |           |                |           |           |            |              |
| Customer Contribution (if required, from page 2) |        |                     |                |        |           |                |           |           |            |              |
|  |        |                     |                |        |           |                |           |           |            |              |
| Other Costs                                      |        |                     |                |        |           |                |           |           |            |              |
| Cost per Resid Customer (e.g. Incentives         | >>>    |                     |                |        |           |                |           |           |            |              |
| Cost per Coml Customer (e.g. Incentives)         | >>>    |                     |                |        |           |                |           |           |            |              |
| Cust Acqusition Costs-Direct "Fixed"             | >>>    |                     |                |        |           |                |           |           | TDADE SEC  | RET DATA ENI |

| Minnesota Energy Resources Con   | <u>fidentia</u> | al P                 | UBLIC DOCUME                          | NT - TRADE SE    | CRET DATA HAS                         | S BEEN EXCISE                         | D              |                |            | EXHIBIT C-2 |
|--|-----------------|----------------------|---------------------------------------|------------------|---------------------------------------|---------------------------------------|----------------|----------------|------------|-------------|
| [TRADE SECRET DATA BEGINS  |                 |                      | ME                                    | ERC Pr           | oject Fea                             | sibility -                            | 2014 In        | terim Rate     | S          |             |
| Output Screen  |                 |                      |                                       |                  |                                       |                                       |                |                |            |             |
| Project Name Fay   | /al Town        | nship - Test Base Ca | se for O&M Impa                       | ct               |                                       |                                       |                |                |            |             |
| Cal  | culation        | s from Input Screen  | (User Input) & Su                     | upport Screen (S | tatic Formulas Pro                    | ovided)                               |                |                |            |             |
|  |                 | Year 1               | Year 2                                | Year 3           | Year 4                                | Year 5                                | Year 6         | Year 7         | Year 8     | Year 9      |
| <u>CASH IN</u>   |                 |                      | · · · · · · · · · · · · · · · · · · · |                  | · · · · · · · · · · · · · · · · · · · | · · · · · · · · · · · · · · · · · · · |                |                | · <u> </u> |             |
| Projected Margins from Residential   |                 |                      |                                       |                  |                                       |                                       |                |                |            |             |
| Projected Margins from Commercial  |                 |                      |                                       |                  |                                       |                                       |                |                |            |             |
| Total Margins From Project   |                 |                      |                                       |                  |                                       |                                       |                |                |            |             |
| CASH OUT  Total Incremental Investment by Year  Total Net Project Investment |                 |                      | =                                     |                  |                                       |                                       |                |                |            |             |
| Total Other Costs Incurred (Var&Fixed)                                       |                 |                      |                                       |                  |                                       |                                       |                |                |            |             |
| PR   | OFITAB          | SILITY CHECKS        |                                       | calculated       | TOTAL PROJECT                         | Г                                     |                |                |            |             |
|  | (A)             | NPV @ 10 Yrs with    | n Residual                            |                  |                                       | Must be Gre                           | ater than Zero |                |            |             |
|  |                 | NPV @ 10 Yrs w/o     | Residual                              |                  |                                       | <u> </u>                              | Var            | Reference Only |            |             |
|  |                 | NPV @ 20 Yrs w/c     | Residual                              | =                |                                       | =<br>\$ -                             | Var            | Reference Only |            |             |
|  | (B)             | Average ROE @ 5      | 5 Yrs                                 | _                |                                       | Must be Gre                           | ater than      |                |            |             |
|  |                 | Avg Return on Equ    | uity @ 10 Yrs                         | _                |                                       | –<br>Reference C                      | nly            |                |            |             |

| Required Cu  | stomer Contribution    | to Meet ROE F      | easibility for Fire | st 5 Years Average             |                     |              |  |
|--|------------------------|--------------------|---------------------|--------------------------------|---------------------|--------------|--|
| Go to Cell H67; Use Goal See                       | k under Tools (set h67 |                    | (approximate v      | value on first run, if negativ | e then ROE > Target |              |  |
| _  | Contribution must b    | e at least \$1 les | s than Cur Yr Ir    | vestment, else ERI             | ROR will show       | <del>,</del> |  |
| mounts from this line transferred to Input Screen  |                        |                    |                     |                                |                     |              |  |
| fultiple Years will require more reruns of Goal Se | Year 1                 | Year 2             | Year 3              | Year 4                         | Year 5              |              |  |
|  |                        |                    |                     |                                |                     |              |  |
| >> Project Margins Allocated                       |                        | Applied to Em      | nbedded Systen      | n/Infrastructure Cos           | t                   |              |  |

>>> Contract Length

...TRADE SECRET DATA ENI

| Minnesota Energy Resources   | Confidential  | P                   |                  |        | CRET DATA HAS |            |           |           |        | EXHIBIT C-2 |
|--|---|---------------------|------------------|--------|---------------|------------|-----------|-----------|--------|-------------|
| [TRADE SECRET DATA BEGINS  |   |                     | M                | ERC Pr | oject Fea     | sibility - | 2014 Inte | erim Rate | es     |             |
| Support Screen   |   |                     |                  |        |               |            |           |           |        |             |
| Proiect Name   | Faval Towns   | ship - Test Base Ca | ase for O&M Impa | act    |               |            |           |           |        |             |
| Targeted MERC Discount Rate Effective Income Tax Rate Statutory Income Tax Rate Selected Deprec Rate, by default or Property Tax/Insur Rate Equity as a Percent of Capital LongTerm Debt as a Percent of Cap Weighted Cost of LTDebt @ 6.28% | Gas @(50% x 9.7%) + ((50% x 6.28%) x (1 - tax rate))=6.70% (35% Federal & 7% State) (35% Federal & 7% State) (48.3 year life estimated, unless contract length specified) |                     |                  |        |               |            |           |           |        |             |
| Cash Car Chg (Ptax-IncTx-(Dep*Inc<br>Accumulated # Resid Customers fro<br>Accumulated Resid Usage Volumes  | m pg 1  |                     |                  |        |               |            |           |           |        |             |
| Accumulated # Coml Customers froi<br>Accumulated Coml Usage Volumes  | m pg 1  |                     |                  |        |               |            |           |           |        |             |
| Calculated from Pages 1&2 and Sup  | port  | Year 1              | Year 2           | Year 3 | Year 4        | Year 5     | Year 6    | Year 7    | Year 8 | Year 9      |
| Cash FLOW Less Contribution to System Cust Less Inc Tax on Net Margins   | 0%  |                     |                  |        |               |            |           |           |        |             |
| CASH IN COMING   | Sum +pg 2   |                     |                  |        |               |            |           |           |        |             |
| Less Inc Tax on Cust Acq Costs Add Net Cash Carrying Charges   |   |                     |                  |        |               |            |           |           |        |             |
| CASH OUT GOING<br>Cash NET of Project (w/residual valu<br>Cash NET of Project (w/o residual va   |   |                     |                  |        |               |            |           |           |        |             |
| Book Checks<br>Projected Running Gross Plant In Se<br>Projected Running Net Plant in Serv<br>Projected Avg Common Equity Balar   | ice   |                     |                  |        |               |            |           |           |        |             |
|  | first 5 yrs >>  |                     |                  |        |               |            |           |           |        |             |
| Operating Book Income<br>Less Depreciation Expense<br>Less Carrying Costs (Interest & P-Ta<br>Less Statutory Income Tax  | ax)   |                     |                  |        |               |            |           |           |        |             |
| NET Income Available for Sharehold   | lers  |                     |                  |        |               |            |           |           |        |             |
|  | first 5 yrs >>  |                     |                  |        |               |            |           |           |        |             |
| RETURN ON EQUITY   | <u>,                                      </u>  |                     |                  |        |               |            |           |           |        |             |
| ADDDOVAL   | CI  | AC Amount           | <b>.</b>         |        | Approved By   | _          |           |           | Data   |             |

| APPROVAL                | CIAC Amount  | \$<br> | Approved By: | Date:   |
|-------------------------|--|--------|--------------|---|
| COMMENTS                | Please describe all special or un determine the customer connect |        | • • •        | ibility or the collection of the required CIAC. Also include any informat |
|                         |  |        |              |   |
| TRADE SECRET DATA ENDS] |  |        |              |   |
|                         |  |        |              |   |
|                         |  |        |              |   |
|                         |  |        |              |   |

<u>Year 10</u>

DS]

| PUBLIC DOCUMENT - TRADE SECRET | T DATA HAS BEEN EXCISED |  |  |  |  |  |
|--------------------------------|-------------------------|--|--|--|--|--|
|                                |                         |  |  |  |  |  |

**EXHIBIT C-2** 

Year 10

DS]

| PUBLIC DOCUMENT - TRADE SECRET DATA H | IAS BEEN EXCISED |
|---------------------------------------|------------------|
|                                       |                  |
|                                       |                  |
|                                       |                  |

**EXHIBIT C-2** 

<u>Year 10</u>

\_\_\_\_

on used to

FEAS0601A.XLS

| MERC Rates-effective January 2013 |    |          |            |            |  |  |  |  |
|-----------------------------------|----|----------|------------|------------|--|--|--|--|
|                                   |    |          |            |            |  |  |  |  |
|                                   |    |          |            |            |  |  |  |  |
|                                   |    |          |            | Demand     |  |  |  |  |
|                                   |    | Customer | Margin per | Charge per |  |  |  |  |
| Customer Class of Service         |    | Charge   | Mcf        | Mcf        |  |  |  |  |
| Residential                       | \$ | 9.59     | \$2.22904  |            |  |  |  |  |
|                                   |    |          |            |            |  |  |  |  |
| Commercial Firm:                  |    |          |            |            |  |  |  |  |
| Annual Usage <150 Mcf             | \$ | 16.36    | \$2.09059  |            |  |  |  |  |
| Annual Usage >150 Mcf             | \$ | 39.49    | \$1.90339  |            |  |  |  |  |

## PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED

## **Commercial Load Addition**

| District                                     | New              | Construction - New Meter  |                          |        | Area<br>Conversion | on to Gas         | - Pres | sent Customer |
|--|------------------|---------------------------|--------------------------|--------|--------------------|-------------------|--------|---------------|
| District Code                                | Con              | version to Gas - New Met  | er                       |        | Add Use -          | Present 0         | Custo  | mer           |
| Customer Name                                | Address          |                           | Town                     |        |                    | State             |        | Zip           |
| Account Number                               | Type of Business | SIC Code                  |                          |        | Normal Busir       | ness Hours        |        |               |
|  |                  |                           | Hrs/Da                   | ıy     | Day/W              | 'k                |        | Day/Yr        |
| Natural Gas Load Added on This Report:       | A = Add on Load  | C = Conversion            | to Gas                   | N =    | New Gas Ed         | quipmen           | t      |               |
| No. of Heating (Circle) Units                | Input<br>BTUH    | Total BTUH<br>Installed   | Total Input<br>1,000,000 | Х      | 10 H/D X           | Heat<br>Factor    | _      | MCF/YR        |
| A C N  |                  |                           |                          | Х      | 10 X               |                   | =      |               |
| A C N  |                  |                           |                          | Х      | 10 X               |                   | =      |               |
| A C N  |                  |                           |                          | Χ      | 10 X               |                   | =      |               |
| A C N  |                  |                           |                          | X<br>X | 10 X<br>10 X       |                   | =      |               |
| A 0 N  | <br>Total        |                           |                          | ^      | Total              |                   | =      | 0             |
| No. of                                       | Input            | Total BTUH                | Total Input              |        | Hr/Day             | _                 |        |               |
| Water Heating (Circle) Units                 | BTUH             | Installed                 | 1,000,000                | Χ      | 2 X                | D/Yr              | =      | MCF/YR        |
| A C N  |                  |                           |                          | X      | X                  |                   | =      |               |
| A C N  | _                |                           |                          | X<br>X | X                  |                   | =      |               |
| <u> </u>                                     | Total            |                           |                          | Λ      | Total              |                   | _      | 0             |
| Type of No. of                               | Input            | Total BTUH                | Total Input              |        | Hr/Day             | _                 |        |               |
| Cooking (Circle) Equip. Units                | втин             | Installed                 | 1,000,000                | Х      | 2 X                | D/Yr              | =      | MCF/YR        |
| A C N  | _                |                           |                          | X<br>X | X                  |                   | =      |               |
| A C N  | _                |                           |                          | X      | ×                  |                   | =      |               |
| A C N  |                  |                           |                          | Х      | Х                  |                   | =      |               |
| A C N  |                  |                           |                          | Х      | X                  |                   | =      |               |
| A C N  | _                |                           |                          | Χ      | X                  |                   | =      |               |
|  | Total _          |                           |                          |        | Total              | _                 |        | 0             |
| No. of Clothes Drying (Circle)  No. of Units | Input<br>BTUH    | Total BTUH<br>Installed   | Total Input<br>1,000,000 | Х      | Hr/Day<br>4 X      | D/Yr              | =      | MCF/YR        |
| A C N  |                  |                           |                          | Х      | Х                  |                   | =      |               |
| A C N  |                  |                           |                          | Χ      | X                  |                   | =      |               |
|  | Total _          |                           |                          |        | Total              | _                 |        | 0             |
| No. of<br>Grain Drying (Circle) Units        | Input<br>BTUH    | Total BTUH _<br>Installed | Total Input<br>1,000,000 | Х      | 10 H/D X           | 14 D/Yr<br>Factor | =      | MCF/YR        |
| A C N  |                  |                           |                          | Х      | Х                  |                   | =      |               |
| A C N  |                  |                           |                          | Χ      | X                  |                   | =      |               |
|  | Total _          |                           |                          |        | Total              | _                 |        | 0             |
| Type of No. of Other (Circle) Equip. Units   | Input<br>BTUH    | Total BTUH<br>Installed   | Total Input<br>1,000,000 | Х      | Hr/Day X           | D/Yr              | =      | MCF/YR        |
| A C N  |                  |                           |                          | Х      | Х                  | -                 | =      |               |
| A C N  | _                |                           |                          | Χ      | X                  |                   | =      |               |
|  | Total _          |                           |                          |        | Total              | _                 |        | 0             |
|  |                  |                           |                          |        | Grand Total        | =                 |        | 0             |
| Comments:                                    |                  |                           |                          |        |                    |                   |        |               |
|  |                  |                           |                          |        |                    |                   |        |               |
|  |                  | rtod Pu                   |                          |        |                    | lato              |        |               |