

| <b>MSU Energy Performance Contracting Phase 1 Summary</b> |                                 |                             |                             |                                |                           |                                 |                    |                                |                 |                      |                             |                                       |
|---|---------------------------------|-----------------------------|-----------------------------|--------------------------------|---------------------------|---------------------------------|--------------------|--------------------------------|-----------------|----------------------|-----------------------------|---------------------------------------|
| Project Name  | Project Type                    | Est Construction Start Date | Construction Cost Est. (\$) | Identified Funding Amount (\$) | Identified Funding Source | Total Funds Not Identified (\$) | Payback Est.       | 20-yr Energy Savings Est. (\$) | % Energy Funded | Funding Gap (\$)     | Deferred Maint Retirement % | Deferred Maint Retirement Amount (\$) |
| <b>September 2024 BOR Request</b>                         |                                 |                             |                             |                                |                           |                                 |                    |                                |                 |                      |                             |                                       |
| <b>Lighting/Water Conservation</b>                        |                                 |                             |                             |                                |                           |                                 |                    |                                |                 |                      |                             |                                       |
| <b>Lighting</b>   |                                 |                             |                             |                                |                           |                                 |                    |                                |                 |                      |                             |                                       |
| Indoor Lighting Retrofits                                 | Energy Savings, Deferred Maint. | Q1 2025                     | \$ 9,000,000                | \$ 500,000                     | Utility Rebate            | \$ 8,500,000                    | 20 yrs             | \$ 7,500,000                   | 80%             | \$ 1,000,000         | 75%                         | \$ 6,750,000                          |
| <b>Water Conservation</b>                                 |                                 |                             |                             |                                |                           |                                 |                    |                                |                 |                      |                             |                                       |
| Plumbing Fixture Retrofits                                | Energy Savings, Deferred Maint. | Q1 2025                     | \$ 1,000,000                | \$ -                           | \$ -                      | \$ 1,000,000                    | < 10 yrs           | \$ 1,940,000                   | 190%            | \$ -                 | 70%                         | \$ 700,000                            |
| <b>Conservation Subtotal</b>                              |                                 |                             | <b>\$ 10,000,000</b>        | <b>\$ 500,000</b>              | <b>Rebates</b>            | <b>\$ 9,500,000</b>             | <b>&lt; 20 yrs</b> | <b>\$ 9,440,000</b>            | <b>90%</b>      | <b>\$ 1,000,000</b>  | <b>70%</b>                  | <b>\$ 7,450,000</b>                   |
| <b>Building Mechanical Systems</b>                        |                                 |                             |                             |                                |                           |                                 |                    |                                |                 |                      |                             |                                       |
| <b>Barnard Hall</b>                                       |                                 |                             |                             |                                |                           |                                 |                    |                                |                 |                      |                             |                                       |
| Lab Airflow/Exhaust Upgrades                              | Deferred Maint, Safety          | Q1 2025                     | \$ 2,250,000                | \$ -                           | -                         | \$ 2,250,000                    | 20 + yrs           | \$ 950,000                     | 40%             | \$ 1,300,000         | 100%                        | \$ 2,250,000                          |
| Cooling System Upgrades                                   | Energy Savings, Deferred Maint. | Q2 2025                     | \$ 250,000                  | \$ -                           | -                         | \$ 250,000                      | 16 - 20 yrs        | \$ 350,000                     | 140%            | \$ -                 | 100%                        | \$ 250,000                            |
| <b>Chemistry Building</b>                                 |                                 |                             |                             |                                |                           |                                 |                    |                                |                 |                      |                             |                                       |
| Lab Airflow/Exhaust Upgrades                              | Deferred Maint, Safety          | Q3 2025                     | \$ 3,500,000                | \$ 3,500,000                   | Research Funded           | \$ -                            | + 20 years         | \$ 1,000,000                   | 20%             | \$ -                 | 70%                         | \$ 2,450,000                          |
| <b>Plant Growth Center</b>                                |                                 |                             |                             |                                |                           |                                 |                    |                                |                 |                      |                             |                                       |
| Chilled & Condenser Water System Upgrades                 | Deferred Maint.                 | Q2 2025                     | \$ 8,500,000                | \$ -                           | -                         | \$ 8,500,000                    | 20 + yrs           | \$ 2,400,000                   | 20%             | \$ 6,100,000         | 100%                        | \$ 8,500,000                          |
| Air Handling System Optimization & Upgrades               | Energy Savings, Deferred Maint. | Q3 2025                     | \$ 4,000,000                | \$ -                           | -                         | \$ 4,000,000                    | < 20 yrs           | \$ 600,000                     | 10%             | \$ 3,400,000         | 100%                        | \$ 4,000,000                          |
| Greenhouse Upgrades                                       | Deferred Maint.                 | Q2 2025                     | \$ 1,500,000                | \$ -                           | -                         | \$ 1,500,000                    | < 20 yrs           | \$ 300,000                     | 20%             | \$ 1,200,000         | 100%                        | \$ 1,500,000                          |
| <b>Mechanical Subtotal</b>                                |                                 |                             | <b>\$ 20,000,000</b>        | <b>\$ 3,500,000</b>            |                           | <b>\$ 16,500,000</b>            | <b>20 + yrs</b>    | <b>\$ 5,600,000</b>            | <b>20%</b>      | <b>\$ 12,000,000</b> | <b>90%</b>                  | <b>\$ 18,950,000</b>                  |
| <b>Heat Plant</b>   |                                 |                             |                             |                                |                           |                                 |                    |                                |                 |                      |                             |                                       |
| Surge Tank Replacement                                    | Deferred Maint.                 | Q2 2025                     | \$ 1,000,000                | \$ -                           | -                         | \$ 1,000,000                    | + 20 years         | \$ 500,000                     | 50%             | \$ 500,000           | 100%                        | \$ 1,000,000                          |
| Emergency Generator Replacement                           | Deferred Maint.                 | Q1 2026                     | \$ 2,500,000                | \$ 1,000,000                   | PPA 18-2105 Fund 46P867   | \$ 1,500,000                    | + 20 years         | \$ -                           | 0%              | \$ 1,500,000         | 100%                        | \$ 2,500,000                          |
| Backup Propane System Upgrade                             | Deferred Maint.                 | Q2 2026                     | \$ 2,000,000                | \$ -                           | -                         | \$ 2,000,000                    | + 20 years         | \$ -                           | 0%              | \$ 2,000,000         | 100%                        | \$ 2,000,000                          |
| Boiler Upgrades   | Deferred Maint.                 | Q2 2026                     | \$ 10,000,000               | \$ -                           | -                         | \$ 10,000,000                   | + 20 years         | \$ 2,500,000                   | 20%             | \$ 7,500,000         | 100%                        | \$ 10,000,000                         |
| Natural Gas System Upgrades                               | Deferred Maint.                 | Q2 2026                     | \$ 500,000                  | \$ -                           | -                         | \$ 500,000                      | + 20 years         | \$ -                           | 0%              | \$ 500,000           | 100%                        | \$ 500,000                            |
| Feedwater System Upgrades                                 | Deferred Maint, Energy Savings  | Q2 2025                     | \$ 500,000                  | \$ -                           | -                         | \$ 500,000                      | + 20 years         | \$ -                           | 0%              | \$ 500,000           | 100%                        | \$ 500,000                            |
| Condensate System Upgrades                                | Deferred Maint, Energy Savings  | Q2 2025                     | \$ 500,000                  | \$ -                           | -                         | \$ 500,000                      | 20 yrs             | \$ 500,000                     | 100%            | \$ -                 | 100%                        | \$ 500,000                            |
| <b>Heat Plant Subtotal</b>                                |                                 |                             | <b>\$ 17,000,000</b>        | <b>\$ 1,000,000</b>            |                           | <b>\$ 16,000,000</b>            | <b>20 + yrs</b>    | <b>\$ 3,500,000</b>            | <b>20%</b>      | <b>\$ 12,500,000</b> | <b>100%</b>                 | <b>\$ 17,000,000</b>                  |
| <b>PHASE 1 TOTAL</b>                                      |                                 |                             | <b>\$ 50,500,000</b>        | <b>\$ 5,000,000</b>            |                           | <b>\$ 45,500,000</b>            | <b>20 + yrs</b>    | <b>\$ 22,040,000</b>           | <b>40%</b>      | <b>\$ 25,500,000</b> | <b>80%</b>                  | <b>\$ 43,400,000</b>                  |
| <b>May 2024 BOR Approved</b>                              |                                 |                             |                             |                                |                           |                                 |                    |                                |                 |                      |                             |                                       |
| <b>Campus Energy Districts &amp; Geothermal Fields</b>    |                                 |                             |                             |                                |                           |                                 |                    |                                |                 |                      |                             |                                       |
| South Campus Tunnel Piping & Pumping                      | Infrastructure                  | Q3 2025                     | \$ 3,500,000                | \$ -                           | -                         | \$ 3,500,000                    | 20 + yrs           | \$ 3,500,000                   | 100%            | \$ -                 | -                           | -                                     |

\*\*List includes currently defined projects, costs and savings estimates. List is intended to be a living document as the EPC process proceeds.