

Appendix C
NPC & Non-Cost Scoring Tables

FINAL DRAFT

Table C-1 Net Present Cost Calculations

| Calendar Year | Year of Operation | Estimated Capital Costs | | Present Cost of Capital Costs | |
|---------------|-------------------|-------------------------|------------------------------|-------------------------------|------------------------------|
| | | Cambi Inc. B-2 System | I. Kruger Inc. Exelys System | Cambi Inc. B-2 System | I. Kruger Inc. Exelys System |
| 2014 | -3 | \$0 | 0 | \$0 | \$0 |
| 2015 | -2 | \$0 | \$0 | \$0 | \$0 |
| 2016 | -1 | -\$9,449,000 | -\$10,944,000 | -\$9,092,466 | -\$10,531,056 |
| 2017 | 0 | \$0 | \$0 | \$0 | \$0 |
| 2018 | 1 | \$0 | \$0 | \$0 | \$0 |
| 2019 | 2 | \$0 | \$0 | \$0 | \$0 |
| 2020 | 3 | \$0 | \$0 | \$0 | \$0 |
| 2021 | 4 | \$0 | \$0 | \$0 | \$0 |
| 2022 | 5 | \$0 | \$0 | \$0 | \$0 |
| 2023 | 6 | -\$421,000 | -\$85,000 | -\$354,090 | -\$71,491 |
| 2024 | 7 | \$0 | \$0 | \$0 | \$0 |
| 2025 | 8 | \$0 | \$0 | \$0 | \$0 |
| 2026 | 9 | \$0 | \$0 | \$0 | \$0 |
| 2027 | 10 | \$0 | \$0 | \$0 | \$0 |
| 2028 | 11 | \$0 | \$0 | \$0 | \$0 |
| 2029 | 12 | \$0 | \$0 | \$0 | \$0 |
| 2030 | 13 | \$0 | \$0 | \$0 | \$0 |
| 2031 | 14 | \$0 | \$0 | \$0 | \$0 |
| 2032 | 15 | \$0 | \$0 | \$0 | \$0 |
| 2033 | 16 | \$0 | \$0 | \$0 | \$0 |
| 2034 | 17 | \$0 | \$0 | \$0 | \$0 |
| 2035 | 18 | \$0 | \$0 | \$0 | \$0 |
| 2036 | 19 | \$0 | \$0 | \$0 | \$0 |
| 2037 | 20 | \$0 | \$0 | \$0 | \$0 |
| 2038 | 21 | \$0 | \$0 | \$0 | \$0 |
| 2039 | 22 | \$0 | \$0 | \$0 | \$0 |
| 2040 | 23 | \$0 | \$0 | \$0 | \$0 |

Table C-1 Net Present Cost Calculations (cont.)

| Calendar Year | Year of Operation | Estimated Annual O&M Cost | | Present Cost of Annual O&M Cost | |
|---------------|-------------------|---------------------------|------------------------------|---------------------------------|------------------------------|
| | | Cambi Inc. B-2 System | I. Kruger Inc. Exelys System | Cambi Inc. B-2 System | I. Kruger Inc. Exelys System |
| 2014 | -3 | | | | |
| 2015 | -2 | | | | |
| 2016 | -1 | | | | |
| 2017 | 0 | | | | |
| 2018 | 1 | \$69,613 | -\$34,616 | \$64,459 | -\$32,053 |
| 2019 | 2 | \$81,684 | -\$24,041 | \$74,196 | -\$21,837 |
| 2020 | 3 | \$94,513 | -\$12,672 | \$84,213 | -\$11,291 |
| 2021 | 4 | \$108,131 | -\$476 | \$94,512 | -\$416 |
| 2022 | 5 | \$122,572 | \$12,583 | \$105,093 | \$10,789 |
| 2023 | 6 | \$137,869 | \$26,542 | \$115,958 | \$22,323 |
| 2024 | 7 | \$154,059 | \$41,437 | \$127,106 | \$34,188 |
| 2025 | 8 | \$171,178 | \$57,310 | \$138,540 | \$46,383 |
| 2026 | 9 | \$190,424 | \$75,442 | \$151,180 | \$59,895 |
| 2027 | 10 | \$210,771 | \$94,750 | \$164,148 | \$73,791 |
| 2028 | 11 | \$232,267 | \$115,281 | \$177,442 | \$88,070 |
| 2029 | 12 | \$254,957 | \$137,088 | \$191,067 | \$102,735 |
| 2030 | 13 | \$278,891 | \$160,224 | \$205,023 | \$117,786 |
| 2031 | 14 | \$304,121 | \$184,744 | \$219,311 | \$133,225 |
| 2032 | 15 | \$330,699 | \$210,706 | \$233,935 | \$149,053 |
| 2033 | 16 | \$358,680 | \$238,169 | \$248,896 | \$165,271 |
| 2034 | 17 | \$388,121 | \$267,195 | \$264,195 | \$181,881 |
| 2035 | 18 | \$419,081 | \$297,849 | \$279,837 | \$198,885 |
| 2036 | 19 | \$451,622 | \$330,197 | \$295,821 | \$216,286 |
| 2037 | 20 | \$485,808 | \$364,309 | \$312,152 | \$234,084 |
| 2038 | 21 | \$521,704 | \$400,256 | \$328,832 | \$252,283 |
| 2039 | 22 | \$559,380 | \$438,113 | \$345,864 | \$270,885 |
| 2040 | 23 | \$598,906 | \$477,958 | \$363,249 | \$289,892 |

Table C-2 Non-Cost Scoring of THP Systems

| Non-Cost Criterion | | Raw Scoring Criteria | | | Weight | Cambi B-2 System | | | I. Kruger Exelys System | | |
|---|--|--------------------------------------|----------------------------|--------------------------------------|--------|------------------|--|----------------|-------------------------|---|----------------|
| | | 1 | 3 | 5 | | Raw Score | Value/Comment | Weighted Score | Raw Score | Value/Comment | Weighted Score |
| 1 | Level of Thermal Hydrolysis Experience | Extensive Experience | Moderate Experience | Limited Experience | 5 | 1 | 2 | 5 | 4 | 4 | 20 |
| 2 | Ability to Provide Support After Startup | Strong Support Capability | Same Support Capability | Limited Support Capability | 3 | 5 | 7 employees in the US, none in TN, but 4 of the US employees have THP O&M experience | 15 | 1 | 3500 employees in the US, 110 in Cary, Many O&M employees in TN and strong Operations experience in US, Unknown # of employees with THP O&M experience | 3 |
| 3 | Company Revenue | 5 times more revenue than competitor | Same Amount of Revenue | 5 times less revenue than competitor | 3 | 5 | \$36.9 million in revenues in 2013 | 15 | 1 | \$27,900 million in revenues in 2013. | 3 |
| 4 | Terms and Conditions | Fully Complied | Partially Complied | Didn't Comply | 4 | 1.5 | Cambi has made no statement that they will not follow the terms and conditions. | 6 | 5 | Kruger will not follow the terms and conditions set forth in the performance specification package, and will instead negotiate with the Contractor and Owner directly. | 20 |
| 5 | New Features to Design | Small change and impact | Moderate change and impact | Large change and impact | 2 | 2 | Actuating Steam Control Valves, On 3 operating systems with 9 additional being constructed or started up. New to Cambi within the past 2 years. Switch from 5-stage batch flow process to 4-stage. Both the steam control valve and 4-phase system have been tested at Chertsey for 2 years. | 4 | 4 | Inline Dynamic Mixer, on one operating system with additional being constructed and two more in design. New to Exelys within the past 2 years. Also, this will be the first Exelys system that is in an LD configuration, all other systems are in a DL or DLD configuration. | 8 |
| Raw Non-Cost Evaluation Score (out of 85 points) | | | | | | 45 | | | 54 | | |
| Rank | | | | | | 1 | | | 2 | | |

