| Renewable Energy | Define | Number of systems in asset portfolio | Total size (kW) | Total number of ekWh generated annually | Actual or Estimated Generation (ekWh) |
|--------------------|--------|--------------------------------------|--------------------|---|---------------------------------------|
| Solar photovoltaic | | · | | | |
| Solar air | | | | | |
| Solar water | | | | | |
| Wind Turbine | | | | | |
| Biomass | | | | | |
| Other | | | | | |

| | Energy Savings from all projects (ekWh) | Estimated Cost of Implementation | Energy Savings from all projects | Estimated Cost of | Energy Savings | Estimated Cost of | Energy Savings | Estimated Cost of | Energy Savings | Accumulated |
|----------------|---|-------------------------------------|----------------------------------|-------------------|----------------------------------|--------------------------|-----------------------|--------------------------|-----------------------|-----------------|
| Implementation | | Implementation | from all projects | | | | | | 0, | |
| | (ekWh) | | | Implementation | from all projects | Implementation | from all projects | Implementation | from all projects | Energy Savings |
| | | | (ekWh) | | (ekWh) | | (ekWh) | | (ekWh) | (ekWh) |
| | | | - | | - | | - | | - | - |
| | | \$ - | - | \$ - | - | \$ - | - | \$ - | - | - |
| A 500 | | \$ 5,000 | 4,938 | \$ 5,000 | 4,938 | \$ 5,000 | 4,938 | \$ 5,000 | 4,938 | 49,383 |
| \$ 1,500 | _/ | \$ - | - | \$ - | - | \$ - | - | \$ - | - | 11,111 |
| \$ - | - | \$ - \$ - | - | \$ - \$ - | - | \$ - \$ - | - | \$ - | - | - |
| 2013- | -14 | 201 | - /-15 | 201 | 5_16 | • | 6-17 | 201 | 7-18 | 2013/14-2017/18 |
| | Estimated Annual | 201 | Estimated Annual | 201 | Estimated Annual | 201 | Estimated Annual | 201 | Estimated Annual | Estimated Total |
| | | Fatimated Cost of | | Fatimated Cost of | | Fatimated Cost of | | Fatimated Cost of | | |
| | Energy Savings | Estimated Cost of | Energy Savings | Estimated Cost of | Energy Savings from all projects | Estimated Cost of | Energy Savings | Estimated Cost of | Energy Savings | Accumulated |
| Implementation | from all projects | Implementation | from all projects | Implementation | • • | Implementation | from all projects | Implementation | from all projects | Energy Savings |
| ć | (ekWh) | ć | (ekWh) | ¢ | (ekWh) | ¢ | (ekWh) | ¢ | (ekWh) | (ekWh) |
| - - | | \$ - | - | \$ - \$ - | - | \$ - \$ - | - | ٠ د | - | - |
| - د | | \$ - | - | | - | | - | - د | - | - |
| \$ - | | \$ - | - | \$ - | - | \$ - \$ - | - | ۶ - د | - | - |
| \$ - | | \$ - | - | \$ - | - | | - | \$ - | - | - |
| \$ - | | \$ - | - | \$ - | - | \$ - | - | \$ - | - | - |
| \$ - | | \$ - | - 4 502 | \$ - | - 4 502 | \$ - | - 4 500 | \$ - | - 4 502 | - 22.740 |
| \$ 10,000 | 1,583 | \$ 10,000 | 1,583 | \$ 10,000 | 1,583 | \$ 10,000 | 1,583 | \$ 10,000 | 1,583 | 23,749 |
| \$ - | - | \$ - | - | \$ - | - | \$ - | - | \$ - | - | - |
| \$ - | - | \$ - | - | \$ - | - | \$ - | - | \$ - | - | - |
| \$ - | - | \$ - | - | \$ - | - | \$ - | - | \$ - | - | - |
| \$ - | | \$ - | - | \$ - | - | \$ - | - | \$ - | - | - |
| \$ - | | \$ - | - | \$ - | - | \$ - | - | \$ - | - | - |
| \$ - | | \$ - | - | \$ - | - | \$ - | - | \$ - | - | - |
| \$ - | | \$ - | - | \$ - | - | \$ - | - | \$ - | - | - |
| \$ - | | \$ - | - | \$ - | - | \$ - | - | \$ - | 7.40 | - |
| 2013- | 4 | 201 | 4-15 | 201 | | 201 | | 201 | 7-18 | 2013/14-2017/18 |
| | Estimated Annual | | Estimated Annual | | Estimated Annual | | Estimated Annual | | Estimated Annual | Estimated Total |
| | 0, | Estimated Cost of | Energy Savings | Estimated Cost of | Energy Savings | Estimated Cost of | Energy Savings | Estimated Cost of | Energy Savings | Accumulated |
| Implementation | from all projects | Implementation | from all projects | Implementation | from all projects | Implementation | from all projects | Implementation | from all projects | Energy Savings |
| | (ekWh) | 1 | (ekWh) | | (ekWh) | | (ekWh) | | (ekWh) | (ekWh) |
| \$ - | | \$ - | - | \$ - | - | \$ - | - | \$ - | - | - |
| \$ - | | \$ - | - | \$ - | - | \$ - | - | \$ - | - | - |
| \$ - | | \$ - | - | \$ - | - | \$ - | - | \$ - | - | - |
| 2013- | 4 | 201 | 4-15 | 201 | | 201 | 6-17 | 201 | 7-18 | 2013/14-2017/18 |
| | Estimated Annual | | Estimated Annual | | Estimated Annual | | Estimated Annual | | Estimated Annual | Estimated Total |
| | 0. | Estimated Cost of | Energy Savings | Estimated Cost of | Energy Savings | Estimated Cost of | Energy Savings | Estimated Cost of | Energy Savings | Accumulated |
| Implementation | from all projects | Implementation | from all projects | Implementation | from all projects | Implementation | from all projects | Implementation | from all projects | Energy Savings |
| | (ekWh) | | (ekWh) | | (ekWh) | | (ekWh) | | (ekWh) | (ekWh) |
| \$ - | | \$ - | - | \$ - | - | \$ - | - | \$ - | - | - |
| \$ - | | \$ - | - | \$ - | - | \$ - | - | \$ - | - | - |
| \$ - | | \$ - | - | \$ - | - | \$ - | - | \$ - | - | - |
| | | \$ 25,000 | 5,815 | \$ 25,000 | 5,815 | \$ 25,000 | 5,815 | \$ 25,000 | 5,815 | 58,150 |
| \$ - | - | \$ - | - | \$ - | - | \$ - | - | \$ - | - | - |

| Energy Payback Period | % related to Electricity | % related to Natural Gas |
|-----------------------------|--------------------------------|--------------------------------|
| 7.5 | 100 | 0 |
| 5 | 100 | 0 |
| 7.5 | 100 | 0 |
| 5 | 100 | 0 |
| 5 | 100 | 0 |
| 0 | | 100 |

| Energy Payback Period | % related to Electricity | % related to Natural Gas |
|-----------------------------|--------------------------------|--------------------------------|
| 15 | 5 | 95 |
| 10 | 5 | 95 |
| 5 | 5 | 95 |
| 40 | 100 | 0 |
| 8 | 20 | 80 |
| 7.5 | 50 | 50 |
| 75 | 50 | 50 |
| 30 | 50 | 50 |
| 10 | 15 | 85 |
| 100 | 100 | 0 |
| 15 | 100 | 0 |
| 5 | 75 | 25 |
| 5 | 50 | 50 |
| 5 | 50 | 50 |
| 0 | | 100 |

| Energy Payback Period | % related to Electricity | % related to Natural Gas |
|-----------------------------|--------------------------------|--------------------------------|
| 15 | 50 | 50 |
| 15 | 50 | 50 |
| 0 | | 100 |

| Energy Payback Period | % related to Electricity | % related to Natural Gas |
|-----------------------------|--------------------------------|--------------------------------|
| 80 | 20 | 80 |
| 40 | 20 | 80 |
| 200 | 20 | 80 |
| 80 | 20 | 80 |
| 10 | 20 | 80 |

| Policy and Planning New school design/construction guidelines and specif Day and Night Temperature Guidelines for all Schools | Quantity of Time that Measure will be in place (years) cations 5 10 | Estimated Cost of Implementation | | | from all projects | Estimated Cost of Implementation | 5-16 Estimated Annual Energy Savings from all projects | Estimated Cost of Implementation | Estimated Annual Energy Savings | Estimated Cost of | 7-18 Estimated Annual Energy Savings | 2013/14-2017/18 Estimated Total Accumulated |
|--|--|-------------------------------------|----------------------------------|-------------------------------------|---|-------------------------------------|---|-------------------------------------|---|-------------------|---|---|
| New school design/construction guidelines and specif | that Measure will be in place (years) cations 5 | | Energy Savings from all projects | Estimated Cost of | Energy Savings from all projects | | Energy Savings | Estimated Cost of | Energy Savings | Estimated Cost of | | |
| | | \$ - | | | (ekWh) | | (ekWh) | implementation | from all projects (ekWh) | Implementation | from all projects (ekWh) | Energy Savings (ekWh) |
| Day and Night Temperature Guidelines for all Schools | 10 | | - | \$ - | - | \$ - | - | \$ - | - | \$ - | - | - |
| | | \$ - | - | \$ - | - | \$ - | - | \$ - | - | \$ - | - | - |
| Night time blackout of sites | 10 | \$ - | - | \$ - | - | \$ - | - | \$ - | - | \$ - | - | - |
| Exterior | 10 | \$ - | - | \$ - | - | \$ - | - | \$ - | - | \$ - | - | - |
| Procures only Energy Star certified appliances | 5 | \$ - | - | \$ - | - | \$ - | - | \$ - | - | \$ - | - | - |
| Daylight Harvesting (servicing) | 3 | \$ - | - | \$ - | - | \$ - | - | \$ - | - | \$ - | - | - |
| Demand Ventilation (servicing) | 3 | \$ - | - | \$ - | - | \$ - | - | \$ - | - | \$ - | - | - |
| Other (Describe) | | \$ - | - | \$ - | - | \$ - | - | \$ - | - | \$ - | - | - |
| | | 201 | 3-14 | 201 | 4-15 | 201 | 5-16 | 2010 | 5-17 | 201 | 7-18 | 2013/14-2017/18 |
| Energy Audits | Quantity of Time that Measure will be in place | Estimated Cost of Implementation | J | Estimated Cost of Implementation | Estimated Annual Energy Savings from all projects (ekWh) | Estimated Cost of Implementation | Estimated Annual Energy Savings from all projects (ekWh) | Estimated Cost of Implementation | Estimated Annual Energy Savings from all projects (ekWh) | Estimated Cost of | Estimated Annual Energy Savings from all projects (ekWh) | Estimated Total Accumulated Energy Savings (ekWh) |
| Walk Through Audit | 5 | \$ - | - | \$ - | - | \$ - | - | \$ - | - | \$ - | - | - |
| Engineering Audit | 5 | \$ - | - | \$ - | - | \$ - | - | \$ - | - | \$ - | - | - |
| Sytem Wide Energy Awareness | 5 | 2,000 | 59,835,453 | 2,000 | 59,835,453 | 2,000 | 59,835,453 | 2,000 | 59,835,453 | 2,000 | 59,835,453 | 897,531,788 |

| | | 201 | 3-14 | 201 | 2014-15 | | 2015-16 | | 2016-17 | | 2017-18 | |
|--|---------------------|--------------------------|-------------------------|--------------------------|-------------------------|--------------------------|-------------------------|--------------------------|-------------------------|-------------------|-------------------------|-----------------|
| | Quantity of Time | | Estimated Annual | | Estimated Annual | | Estimated Annual | | Estimated Annual | | Estimated Annual | Estimated Total |
| Real Time Monitoring | that Measure will | Estimated Cost of | Energy Savings | Estimated Cost of | Energy Savings | Accumulated |
| | be in place | Implementation | from all projects | Implementation | from all projects | Energy Savings |
| | | | (ekWh) | | (ekWh) | | (ekWh) | | (ekWh) | | (ekWh) | (ekWh) |
| Real-time energy data for operators to identify and diagnose | | | | | | | | | | | | |
| building issues | 5 | \$ - | - | \$ - | - | \$ - | - | \$ - | - | \$ - | - | - |
| Other (Describe) | | \$ - | - | \$ - | - | \$ - | - | \$ - | - | \$ - | - | - |
| | | | | | | | | | | | | |
| Operations and Maintenan | ce Strategies Total | \$ 2,000 | 59,835,453 | \$ 2,000 | 59,835,453 | \$ 2,000 | 59,835,453 | \$ 2,000 | 59,835,453 | \$ 2,000 | 59,835,453 | 897,531,788 |

\$0.135 = cost of 1 ekWh electricity \$ 0.0334 = cost of 1 ekWh natural gas 0.0955 m³ = 1 ekWh \$0.35 = cost of 1 m³ of natural gas

| Energy Payback Period | % related to Electricity | % related to Natural Gas |
|-----------------------------|--------------------------------|--------------------------------|
| 5 | 50 | 50 |
| 5 | 20 | 80 |
| 7 | 100 | 0 |
| 7 | 100 | 0 |
| 5 | 100 | 0 |
| 5 | 100 | 0 |
| 5 | 50 | 50 |
| 0 | | 100 |

| Energy Payback Period | % related to Electricity | % related to Natural Gas |
|-----------------------------|--------------------------------|--------------------------------|
| 1000 | 50 | 50 |
| 1000 | 50 | 50 |
| 0 | | 100 |

| 3 80 20 0 100 | Energy Payback Period | % related to Electricity | % related to Natura Gas |
|------------------|-----------------------------|--------------------------------|-------------------------------|
| 0 100 | 3 | 80 | 20 |
| 5 100 | 0 | | 100 |

| Occupant Behaviour Strategies |] | | | | | | | | | | | |
|--|---|-------------------------------------|-----------|-------------------------------------|-------|---------|---|-------------------|---|-------------------|------|---|
| | Ougatity of Time | 201 | 3-14 | 2014-15 | | 2015-16 | | 2016-17 | | 201 | 7-18 | 2013/14-2017/18 |
| Training and Education | Quantity of Time that Measure will be in place (years) | Estimated Cost of Implementation | ı <i></i> | Estimated Cost of Implementation | • • • | | | Estimated Cost of | | Estimated Cost of | 1 | Estimated Total Accumulated Energy Savings (ekWh) |
| Building Operator Training | 3 | \$ - | - | \$ - | - | \$ - | - | \$ - | - | \$ - | - | - |
| NRCan Benchmarking Program | 5 | \$ - | - | \$ - | - | \$ - | - | \$ - | - | \$ - | - | - |
| Building Automation Training (site specific) | 3 | \$ - | - | \$ - | - | \$ - | - | \$ - | - | \$ - | - | - |
| Ongoing training and awareness programs for energy conservation | 5 | \$ - | - | \$ - | - | \$ - | - | \$ - | - | \$ - | - | - |
| Provide detailed information on Building Operational costs | 1 | \$ - | - | \$ - | - | \$ - | - | \$ - | - | \$ - | - | - |
| Provide detailed information on energy consumption (e.g. via the Utility | | | | | | | | | | | | |
| Consumption Database or other database) | 1 | \$ - | - | \$ - | - | \$ - | - | \$ - | - | \$ - | - | - |
| Participate in environmental programs, such as EcoSchools, Earthcare | 1 | \$ - | - | \$ - | - | \$ - | - | \$ - | - | \$ - | - | - |
| Other tools (Define) | | \$ - | - | \$ - | - | \$ - | - | \$ - | - | \$ - | - | - |
| | | | | | | • | | | | | | |
| Occupant Behaviou | ır Strategies Total | \$ - | - | \$ - | - | \$ - | - | \$ - | - | \$ - | - | - |

| Energy Payback Period | % related to Electricity | % related to Natural Gas |
|-----------------------------|--------------------------------|--------------------------------|
| 3 | 60 | 40 |
| 1000 | 50 | 50 |
| 1 | 60 | 40 |
| 10 | 90 | 10 |
| 1000 | 50 | 50 |
| 1000 | 50 | 50 |
| 5 | 90 | 10 |
| 0 | | 100 |

\$0.135 = cost of 1 ekWh electricity

\$ 0.0334 = cost of 1 ekWh natural gas

0.0955 m³ = 1 ekWh

\$0.35 = cost of 1 m³ of natural gas

Conservation Goal

| | FY2013 |
|--|--------------|
| Total Building Area (includes portables) (m²) | 213,095,04 |
| Total Building Area (includes portables) (ft²) | 2.303.347.72 |
| Energy Consumption for the board (ekWh) | 19.717.987.7 |

Enter from UCD - use square meters
Enter from UCD - use square feet
Enter from UCD

 $1 \text{ ft}^2 = 0.0929 \text{ m}^2$

| | 2013-14 | | 2014-15 | | 2015-16 | 2016-17 | | 2017-18 | | 2013/14-2017/18 | |
|--|-------------------|---|-------------------|---|-------------------|------------|-------------------|---|-------------------------------------|---|--|
| | Estimated Cost of | Estimated Annual Energy Savings from all projects (ekWh) | Estimated Cost of | Estimated Annual Energy Savings from all projects (ekWh) | Estimated Cost of | 0, | Estimated Cost of | Estimated Annual Energy Savings from all projects (ekWh) | Estimated Cost of Implementation | Estimated Annual Energy Savings from all projects (ekWh) | Estimated Total Accumulated Energy Savings (ekWh) |
| Appendix B; Design, Construction and Retrofit Strategies Total | \$ 11,500 | 3,806 | \$ 40,000 | 12,337 | \$ 40,000 | 12,337 | \$ 40,000 | 12,337 | \$ 40,000 | 12,337 | 142,394 |
| Appendix C; Operations and Maintenance Strategies Total | \$ 2,000 | 59,835,453 | \$ 2,000 | 59,835,453 | \$ 2,000 | 59,835,453 | \$ 2,000 | 59,835,453 | \$ 2,000 | 59,835,453 | 897,531,788 |
| Appendix D; Occupant Behaviour Strategies Total | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | 0 |
| TOTAL | \$ 13,500 | 59,839,258 | \$ 42,000 | 59,847,789 | \$ 42,000 | 59,847,789 | \$ 42,000 | 59,847,789 | \$ 42,000 | 59,847,789 | 897,674,181 |
| Percentage reduction | | #VALUE! | | #VALUE! | | #VALUE! | | #VALUE! | | #VALUE! | #VALUE! |
| Conservation Goal (ekWh/m²) | | #VALUE! | | #VALUE! | | #VALUE! | | #VALUE! | | #VALUE! | #VALUE! |
| Conservation Goal (ekWh/ft²) | | #VALUE! | | #VALUE! | | #VALUE! | | #VALUE! | | #VALUE! | #VALUE! |
| | Check this total | | Check this total | | Check this total | | Check this total | | Chack this total | | |

Check this total Check this total Check this total Check this total Check this total to confirm to confirm to confirm to confirm to confirm validity of validity of validity of validity of validity of estimated estimated estimated estimated estimated amount to be spent during that year year year year year