**Subject:** Adding Key Service Areas to Emergency Power at TCC  
**Report Number:** 20-10  
Author: Rick Cox, Director of Recreation, Culture & Parks  
Meeting Type: Council Meeting  
Meeting Date: Tuesday, April 14, 2020

---

**RECOMMENDATION**  
THAT Council receives Report RCP 20-10 Adding Key Service Areas to Emergency Power at TCC, as information;  
AND THAT staff are authorized to implement electrical rewiring at the Tillsonburg Community Centre to add key service areas to the emergency power circuits;  
AND THAT up to $8,000 for this work be drawn from the Facility Infrastructure Reserve.

**BACKGROUND**  
The emergency power system at the Tillsonburg Community Centre is supplied by the on-site turbines. When grid power goes off, the turbines supply power to only a portion of the building. In an emergency, the portion of the building with power can be used as an emergency shelter or for other community purposes.

**DISCUSSION**  
The co-generation plant at the Community Centre generates the base load portion of the power required to operate the building. During a power outage, only certain parts of the building are supplied with power as there is not enough on-site capacity to operate the entire building. Normal operations continue in the pool, health club, auditorium and Senior Centre. Arena operations are shut down.

The power outages experienced since the installation of the turbines have given staff the opportunity to learn where it would be good to change what is powered and what is not. IT infrastructure and reception desk areas provide key services to support continued use of the building and, if necessary an emergency shelter for the community. They are not currently on circuits that receive power from the turbines during a power outage. Providing back-up power to the IT infrastructure and reception desk area will make the building much more functional in an emergency. Unfortunately the complexity and age of the electrical infrastructure at the Community Centre because of the many alterations and additions means that it is not nearly as simple a fix as initially thought.
The cost for implementing this electrical upgrade has been quoted at approximately $6,000 before taxes. This work is not part of the 2020 capital budget but is important to undertake so the building is ready in case of an emergency. This project was identified as a need by RCP staff after a town-wide power outage on December 1, 2019. The plan and costing was initiated in January 2020 and was completed too late to bring forward as part of the 2020 budget process.

CONSULTATION
RCP staff has consulted with certified electricians to determine the feasibility and cost of this project. The designers of the co-gen system have been consulted to ensure there is capacity to absorb the potential electrical load from the additional circuits.

FINANCIAL IMPACT/FUNDING SOURCE
This electrical upgrade is not funded in the 2020 capital budget. The cost estimate of around $6000 resulted in staff considering moving forward with the project within operational allocations as this is key emergency infrastructure for the community. However, in light of the unexpected repairs required due to a recent spate of vandalism at the facility there is already pressure on this allocation so alternative funding source is needed. Using funds from the Facility Infrastructure Reserve for this upgrade will allow the work to take place as soon as possible, hopefully before the next power outage.

The balance of the Facility Infrastructure Reserve at the end of 2019 was $555,934 with $420,227 deployed in the 2020 capital budget. That leaves a balance of $155,707 potentially available for other projects. Included in that balance is $20,594.32 of accumulated natural gas rebates from conservation efforts and working with LAS to hedge against gas cost increases. Using revenue from natural gas rebates to improve the community’s main emergency shelter and support normal operations during a power outage is an appropriate use of these unrestricted reserve funds.

COMMUNITY STRATEGIC PLAN (CSP) LINKAGE

1. Excellence in Local Government
   ☒ Demonstrate strong leadership in Town initiatives
   ☐ Streamline communication and effectively collaborate within local government
   ☒ Demonstrate accountability

2. Economic Sustainability
   ☐ Support new and existing businesses and provide a variety of employment opportunities
   ☐ Provide diverse retail services in the downtown core
   ☐ Provide appropriate education and training opportunities in line with Tillsonburg’s economy

3. Demographic Balance
   ☒ Make Tillsonburg an attractive place to live for youth and young professionals
Provide opportunities for families to thrive
Support the aging population and an active senior citizenship

4. Culture and Community
   - Promote Tillsonburg as a unique and welcoming community
   - Provide a variety of leisure and cultural opportunities to suit all interests
   - Improve mobility and promote environmentally sustainable living
Report Approval Details

<table>
<thead>
<tr>
<th>Document Title:</th>
<th>RCP 20-10 - Adding Key Service Areas to Emergency Power at TCC.docx</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attachments:</td>
<td></td>
</tr>
<tr>
<td>Final Approval Date:</td>
<td>Apr 7, 2020</td>
</tr>
</tbody>
</table>

This report and all of its attachments were approved and signed as outlined below:

Dave Rushton - Mar 13, 2020 - 6:02 PM

No Signature - Task assigned to Kyle Pratt was completed by workflow administrator Michelle Smibert

Kyle Pratt - Apr 7, 2020 - 5:47 PM

Michelle Smibert - Apr 7, 2020 - 5:49 PM