

**Report of ICT Infrastructure Manager**

**Report to Director of Resources & Housing**

**Date: 4<sup>th</sup> October 2017**

**Subject: Approval to carry out a procurement exercise to upgrade the Apex Data Centre to Tier III.**

Are specific electoral wards affected? If yes, name(s) of ward(s):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are there implications for equality and diversity and cohesion and integration?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is the decision eligible for call-in?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Does the report contain confidential or exempt information? If relevant, access to information procedure rule number:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

**Summary of main issues**

1. The Apex Data Centre is required to become Tier III to support the City Platform
2. Enhancements to the electrical infrastructure need to be carried out to bring the Apex Data Centre up to its full theoretical power capacity
3. Upgrading the Apex Data Centre to Tier III will enable LCC to offer services to partners in the City

**Recommendations:**

The Director of Resources & Housing is recommended to approve the approach described within this report.

**1. Purpose of this report**

- 1.1 To seek approval to carry out a procurement exercise to upgrade the Apex Data Centre to Tier III. This report will also provide background information to explain why this work is required

**2. Background information**

- 2.1 The City Shared Strategy Architecture & Commissioning (SSAC) group are working with partners from across the City to develop a shared infrastructure platform for

end users. This would enable systems from our City partners to be located within the Apex Data Centre

- 2.2 To facilitate hosting the systems, the Apex Data Centre is required to be upgraded from a Tier I to Tier III data centre for extra resilience
- 2.3 The tier rating is based on the Uptime Institute definition which ensures each component is concurrently maintainable (meaning every element can be taken out of service for maintenance with no downtime)
- 2.4 The work required to upgrade of the Apex Data Centre will include design, installation and testing which will be undertaken by a suitably experienced and competent Contractor appointed as a result of a competitive tender exercise. Work will include the installation of the following components:
  - 2.4.1 A second generator (including external cabling, fire protection)
  - 2.4.2 A second main switch gear & busbars
  - 2.4.3 UPS splitting from N+1 to 2N; Plus an additional UPS
  - 2.4.4 Install diverse power cables across the Apex ceiling void
  - 2.4.5 Dual supplies to all aircon units via 6 x ATS
  - 2.4.6 Design to allow future expansion (where possible)
- 2.5 The anticipated spend for this project is estimated to be in the region of £350K

### **3. Main issues**

- 3.1 The main issues have been discussed above although it should be noted that this piece of work will involve downtime in the Apex Data Centre at agreed point(s) during the construction and installation stages. This will be kept to a minimum where possible

### **4. Corporate considerations**

#### **4.1 Consultation and engagement**

- 4.1.1 The Digital & Information Service (DIS) Service Leadership Team have been consulted and is supportive of the proposed approach
- 4.1.2 NPS (Leeds City Council's joint venture design partners) have been commissioned to assist with the entire works along with specialist consultants
- 4.1.3 The evaluation team will be comprised of two managers from DIS, one lead from NPS and a specialist Data Centre consultant. This will provide expertise for all areas within this project. They will be supported by the DIS Procurement Team who will also assist in the entire process

#### **4.2 Equality and diversity / cohesion and integration**

- 4.2.1 There are no Equality and Diversity / Cohesion and Integration Issues associated with this decision

#### **4.3 Council policies and best council plan**

4.3.1 ICT is fundamental in enabling the Council to provide services to users, citizens and partners. The number one priority for DIS is to maintain day-today services. The availability of LCC's data centres is paramount in providing these services

#### **4.4 Resources and value for money**

4.4.1 The cost of the project has been budgeted for as part of LCC's Essential Services Programme

4.4.2 Adequate staff resources have been commissioned to carry out this work

4.4.3 Advice regarding any procurement exercise, including terms and conditions of contract / arrangement, will be obtained from the Leeds City Councils DIS Procurement Team with the assistance of the corporate Projects, Programmes & Procurement Unit (PPPU) to ensure Council governance is met, and fair competition is observed

#### **4.5 Legal implications, access to information, and call-in**

4.5.1 As this procurement is classed as Works, at the anticipated value, it is not subject to Public Contract Regulations. The tender exercise will be carried out in accordance with Councils Contract Procedure Rules. As this project involves elements of building work, the project will be tendered and awarded using JCT2016 Minor Works terms and conditions

4.5.2 This decision is a key decision and is eligible for call-in as expenditure against the proposed contract is likely to exceed £250K

#### **4.6 Risk management**

4.6.1 A separate DDN and report will be produced when the successful Contractor is selected. This will further identify the risks associated with electrical data centre work before any work is commenced

### **5. Conclusions**

5.1 This work should be completed by the end of March 2018 to ensure partners can start migrating to the Apex Data Centre to fit in with key dates that they are constrained by

### **6. Recommendations**

6.1 The Director of Resources & Housing is recommended to approve the approach described within this report.

### **7. Background documents<sup>1</sup>**

7.1 None

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<sup>1</sup> The background documents listed in this section are available to download from the Council's website, unless they contain confidential or exempt information. The list of background documents does not include published works.