

Update on the corporate dashboard

Relevant Portfolio Holder	Councillor G Denaro
Portfolio Holder Consulted	Yes
Relevant Head of Service	D Poole
Report Author	Job Title: Head of Transformation, OD & Digital Services Contact email: d.poole@bromsgroveandredditch.gov.uk Contact Tel:
Wards Affected	N/A
Ward Councillor(s) consulted	N/A
Relevant Strategic Purpose(s)	Enabling
Non-Key Decision	
If you have any questions about this report, please contact the report author in advance of the meeting.	

1. RECOMMENDATIONS

The Cabinet NOTE the:-

1) Continuing development of the corporate dashboard

2. BACKGROUND

The organisation currently has a legacy performance measures dashboard which is being replaced with a more comprehensive, data rich system. The organisation is using Microsoft Power BI (Business Intelligence) data visualisation tools to develop a comprehensive dashboard of performance measures for managers and senior leaders. The use of data to drive informed decision making is a key requirement for the organisation.

The legacy system has been in place for some time, consequently there are technical limitations to what this system can now deliver. In order to make use of improved technologies a new dashboard is being designed. This solution will utilise expanded functionality in order to maximise the value we can gain from our data.

The project is focused on strategic measures with initial proof of concepts touching on operational measures.

At a high-level, building corporate reports requires the ability to retrieve, re-shape and clean different datasets, followed by data visualisation and report publishing. The Microsoft Power BI solution provides interconnected applications and services that support each of these stages.

As the organisation has many different systems, datasets and reporting requirements, Power BI is not a 'plug-and-play' solution. It requires

data modelling, calculation development, visual design, and product configuration skill sets, to deliver a corporate reporting dashboard.

The high-level phases of project activity to date have been:

Proof of Concepts - A collection of initial reports were delivered to demonstrate capability, gain feedback and inform requirements.

Infrastructure - To enable data to flow in and reports to flow out of the solution, several infrastructure items were implemented. These include:

- A new SharePoint site and framework
- A data migration tool to transfer legacy data to SharePoint (where applicable)
- Power BI Service configuration.
- Power BI Data Gateway install and configuration

Data Needs - Interviews with CMT members and a subsequent survey of 4th and 5th tier managers, allowed us to understand data needs and challenges. Used to inform the design.

Training - Due to the variety of skills required, training, coaching and resource creation, has been a major activity throughout the project.

This includes:

- SharePoint
- Data modelling and data transformation (Power Query)
- Data Analysis Expressions (DAX) calculations (code used to populate report visuals)
- Building reports and configuring visuals (Power BI Desktop)
- Publishing reports and connecting data sources (Power BI Service)
- Building dashboards (Power BI Service)

Solution Design & Report Template - Solution design considered navigation across measures, from the user perspective. This covers both internal and external users. Power BI lends itself to the re-use of data but not the re-use of report visuals. However, we have developed a documented, repeatable approach and accompanying re-usable report template to reduce the effort when creating new reports.

Build & Improve - We are currently obtaining data and building reports to illustrate strategic measures. Where required, we are improving the report template to support the presentation and analysis of different types of data e.g. Community Survey results.

3. FINANCIAL IMPLICATIONS

- 3.1 The councils Microsoft site arrangement includes Power BI software, however, six software licences have been purchased at a cost of £68 each. The development resource costs are met from within existing budget.

4. LEGAL IMPLICATIONS

- 4.1 N/A

5. STRATEGIC PURPOSES - IMPLICATIONS

Relevant Strategic Purpose

- 5.1 The MS Power BI dashboard will be used as a tool to assist the organisation to deliver on the elements of sustainability and high quality services as outlined in the Council Plan 2019 – 2023 through the use of data to monitor and improve performance.

Climate Change Implications

- 5.2 N/A

6. OTHER IMPLICATIONS

Equalities and Diversity Implications

- 6.1 N/A

Operational Implications

- 6.2 The use of data can help to gauge how services are delivering against the strategic priorities outlined in the council plan. It provides insight and opportunities to identify areas of good practice or where some improvement may be needed.

7. RISK MANAGEMENT

- 7.1 Please explain any risks.

8. APPENDICES and BACKGROUND PAPERS

N/A

9. REPORT SIGN OFF

Department	Name and Job Title	Date
Portfolio Holder	Cllr G Denaro	19/05/2022
Lead Director / Head of Service	Kevin Dicks - CEO	
Financial Services	N/A	
Legal Services	N/A	
Policy Team (if equalities implications apply)	N/A	
Climate Change Officer (if climate change implications apply)	N/A	