



Spatial Information Portal: Alignment to Digital Technology Strategy

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Information & Knowledge Management Department



CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD

Making progress possible. **Together.**

Agenda

- Lessons on Digital Transformation
- Focus Areas of the Enterprise GIS Platform
- Live Demo

The screenshot displays the 'Spatial Information Portal' for the City of Cape Town. At the top, the city's logo and name are shown in three languages: 'CITY OF CAPE TOWN', 'ISIXEKO SASEKAPA', and 'STAD KAAPSTAD'. Below this is a panoramic night view of the city. The main content area features four interactive map viewer thumbnails: 'Business Viewers', 'City Map Viewer', 'City of Cape Town Map Viewer (public)', and 'Economic Areas Management Programme Viewer (ECAMP)'. A navigation bar at the bottom lists various service categories, each with a corresponding icon: Basic Services and Infrastructure, Economic Development, Human Settlements, Community Services, Health, Imagery, Demography and Statistics, Historical, and Land Administration.

CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD

Spatial Information Portal









Business Viewers **City Map Viewer** **City of Cape Town Map Viewer (public)** **Economic Areas Management Programme Viewer (ECAMP)**

Basic Services and Infrastructure **Community Services** **Demography and Statistics**

Economic Development **Health** **Historical**

Human Settlements **Imagery** **Land Administration**

Lessons on Digital Transformation (BP, Nov 2018)

-  Embrace the enterprise platform
-  Find the right home
-  Set your data free
-  Let business users extend the platform
-  Tailor user support to the new paradigm
-  Automate
-  Mind your marketing
-  Measure success

Focus areas of the eGIS Platform



**Location
Enablement**



**Constituent
Engagement**



**Decision
Support**



**Field
Mobility**




Analytics



Spatial Information Portal

Examples: Live Demo

Home Page












CITY OF CAPE TOWN
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Spatial Information Portal

Navigation arrows: << >>

- Business Viewers**: Screenshot of a map interface with various data layers and a legend.
- City Map Viewer**: Screenshot of a map interface showing a network of roads and points of interest.
- City of Cape Town Map Viewer (public)**: Screenshot of a map displayed on a tablet device.
- Economic Areas Management Programme Viewer (ECAMP)**: Screenshot of a map interface with a legend and data layers.

-  **Basic Services and Infrastructure**
-  **Community Services**
-  **Demography and Statistics**
-  **Economic Development**
-  **Health**
-  **Historical**
-  **Human Settlements**
-  **Imagery**
-  **Land Administration**

Spatial & Non-Spatial Content



Basic Services and Infrastructure



Community Services



Demography and Statistics



Economic Development



Health



Historical



Human Settlements



Imagery



Land Administration



Natural Resources and the Environment



Political and administrative boundaries



Safety and Security



Social Development



Spatial planning



Transportation



GIS Announcements

City GIS related news and presentations from business departments.



GIS Coordinators

Direct access to all GIS business coordinators and IS&T GIS support.



Policies & Standards

City GIS standards, guidelines and National policies and legislation.

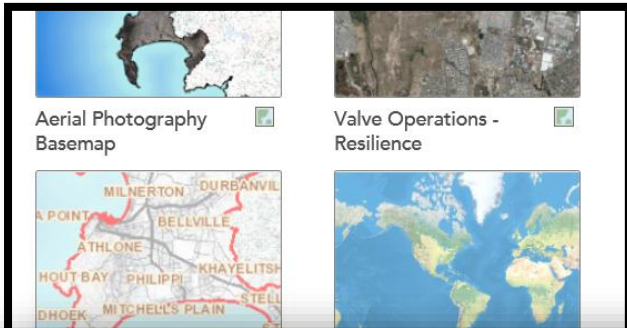


Training & Guides

GIS training guides, formal and e-learning courses, dates & LSO booking.



Base maps, Layers, Web scenes, Imagery

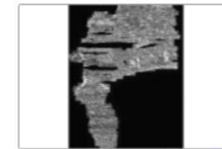


Portal for ArcGIS Featured Content

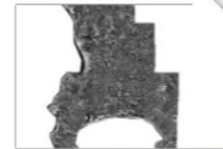
- Show
- All**
- Maps
- Layers
- Scenes
- Apps
- Tools
- Files



Aerial Photography 2011 December



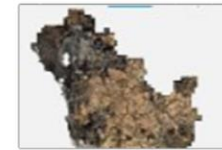
Aerial Photography 1945



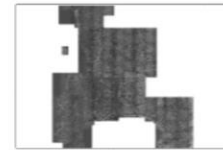
Aerial Photography 1988



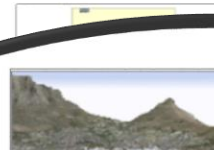
Aerial Photography 2013 December



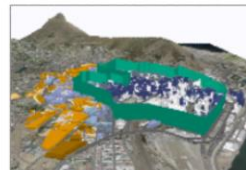
Aerial Photography 2012 December



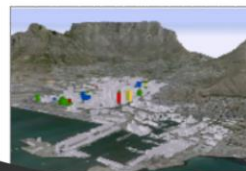
Aerial Photography 1996



CDB Tall Building Appl. Viewer
experimental tall building application viewer
CityEngine Web Scene by SGOODCHILDBROWN@CAPETOWN
Last Modified: February 27, 2019
★★★★★ (0 ratings, 0 comments, 30 views)



CDB Zoning Viewer Solid
Experimental viewer for CBD Zoning and Floor Factors
CityEngine Web Scene by SGOODCHILDBROWN@CAPETOWN
Last Modified: February 22, 2019
★★★★★ (0 ratings, 0 comments, 23 views)



Central City Improvement District WebScene
A test webscene for the CCID
CityEngine Web Scene by SGOODCHILDBROWN@CAPETOWN
Last Modified: October 31, 2018
★★★★★ (0 ratings, 0 comments, 33 views)

Gallery Map Scene Groups My Content My Organization

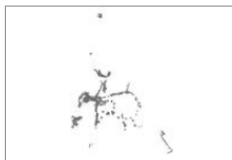
Search Results

Show 117 results

All Results

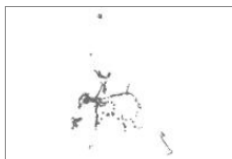
- Maps
- Layers
- Scenes
- Apps
- Tools
- Files

Show ArcGIS Desktop Content



2D Basic Footprints
This dataset represents building roof footprint, building industry floor footprint. They can be used with a DEM. This represents building model capture.
Map Image Layer by bawebmaps
Last Modified: May 8, 2018
★★★★★ (0 ratings, 0 comments, 9 views)

Open Details



2D Basic Footprints
This dataset represents building roof footprint, building industry floor footprint. They can be used with a DEM. This represents building model capture.
Feature Layer by bawebmaps
Last Modified: May 8, 2018
★★★★★ (0 ratings, 0 comments, 9 views)

Open Details



3D Standard Footprints
Feature Layer by bawebmaps
Last Modified: May 18, 2018
★★★★★ (0 ratings, 0 comments, 9 views)

Open Details

Related Searches

Find items published by Esri related to "planning"

Find groups related to "planning"

Show ArcGIS Desktop Content

Related Searches

Find items published by Esri related to "web scene"

Find groups related to "web scene"

Training & Help Guides, Policies & Standards

12 results

Relevance Title Owner Rating Views [Date](#) ▾

All Results

- Maps
- Layers
- Scenes
- Apps
- Tools
- Files

Show ArcGIS Desktop Content

Related Searches



[Open](#) ▾ [Details](#)

2019 GIS Course dates (Formal Training & E-Learning)
 GIS course dates to attend formal GIS training provided by ESRI.
 Microsoft Excel by SSTEENKAMP@CAPETOWN
 Last Modified: February 27, 2019
 ★★★★★ (0 ratings, 0 comments, 234 views)



[Open](#) ▾ [Details](#)

Related Searches

- Find items published by Esri related to "legislation and standards"
- Find groups related to "legislation and standards"



[Open](#) ▾ [Details](#)



[Open](#) ▾ [Details](#)



[Open](#) ▾ [Details](#)

Spatial Information Strategy
 The overarching objective of this strategy is to provide a basis for better management and sharing of the City's spatial information. The ultimate goal is the effective use and application of spatial information to support core service delivery & dec
 Document Link by SSTEENKAMP@CAPETOWN
 Last Modified: May 21, 2018
 ★★★★★ (0 ratings, 0 comments, 1 view)



[Open](#) ▾ [Details](#)

Spatial Information: Data Use Disclaimer
 All information available via the Spatial Information Portal and related databases is provided by the various custodian departments.
 Document Link by SSTEENKAMP@CAPETOWN
 Last Modified: May 16, 2018
 ★★★★★ (0 ratings, 0 comments, 0 views)



[Open](#) ▾ [Details](#)

Spatial Data Management Framework
 Data within the City of Cape Town, both spatial and non-spatial data, is not only intended for internal use but for external clients also. This data may be accessed by various departments for operational and management purposes. All spatial data must
 Document Link by SSTEENKAMP@CAPETOWN
 Last Modified: May 16, 2018
 ★★★★★ (0 ratings, 0 comments, 0 views)



Spatial Data Infrastructure Act, 54 of 2003
 The South African Spatial Data Infrastructure Act was established as the national technical, institutional and policy framework to facilitate the capture, management, maintenance, integration, distribution and use of spatial information.
 Document Link by SSTEENKAMP@CAPETOWN
 Last Modified: May 16, 2018
 ★★★★★ (0 ratings, 0 comments, 0 views)

Accessible to all users via CityWeb

The screenshot displays the CityWeb website interface. At the top, the header includes the 'CITYweb' logo on the left and the City of Cape Town logo with the motto 'Making progress possible. Together.' on the right. Below the header is a navigation bar with links for 'CITYweb Home', 'Site Guide', a search bar, and 'Advanced' search options. The date 'Thursday 28 February 2019' is shown on the right.

The main content area is divided into several sections:

- Left Navigation Menu:** A vertical list of links including 'Access to Information', 'Achievements & awards', 'Application centre', 'Bright ideas', 'Campaigns and Programmes', 'Careers', 'CCT Website', 'CITYforms', 'City Management', 'CITYphone', 'Council', 'Policies and by-laws', 'Customer Relations', '5 Year Plan (IDP)', 'Directorates', 'Development Information Resource Centre (DIRC)', 'Document Library', and 'E-Services'.
- e-nform Section:** Contains a 'Reminder: Upcoming EAP and Wellness workshops and information sessions' for Wednesday 27 February 2019. It features an icon of a heart with a pulse line and the text 'EAP AND WELLNESS'. Below it is a 'Career opportunities within the City' section for Tuesday 26 February 2019, with a 'CAREER' icon.
- Reminder: The implementation of drug testing at the City:** A reminder for Tuesday 26 February 2019, mentioning the Employee Assistance Programme (EAP) and Wellness Branch.
- Design Indaba 2019:** A reminder for Tuesday 26 February 2019, stating that the Design Indaba will take place from Wednesday, 27 February to Friday, 1 March 2019 at the Artscape Theatre Centre.
- Right Sidebar:** Includes a weather forecast for 'Today' (24°C | 19°C) and 'Tomorrow' (25°C | 19°C), with a current temperature of 19°C and wind of 15 km/hr NE. Below the weather is a grid of service links: BigFiles, CityForms, CityMap Viewer (highlighted with a red circle and a yellow arrow), City MySite, CityPhone New, Report Templates, SAP Portal, SCM Guide, Tender Tracking, and Webmail. At the bottom of the sidebar are two large buttons: 'APPLICATION CENTRE' and 'COUNCIL MEETING CALENDAR'.

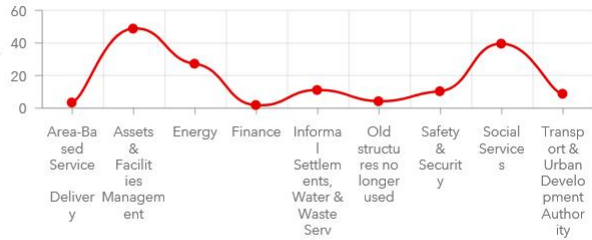
Operations Dashboard

Disclaimer:

Dashboards displayed are prototypes and not using actual values.

Readings & Service Requests

service request



Last update: 2 minutes ago

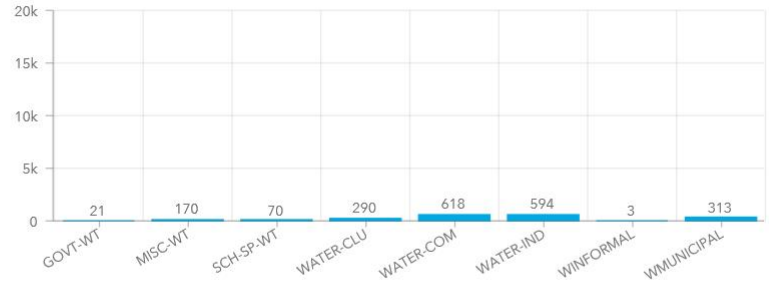
Service status



Last update: 2 minutes ago

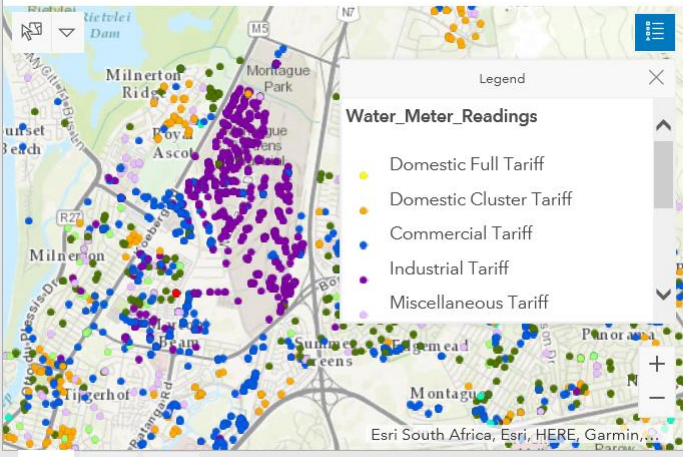
Top Service requests per Department

Readings

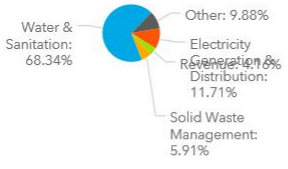


Last update: a few seconds ago

Reading



Map Map Map



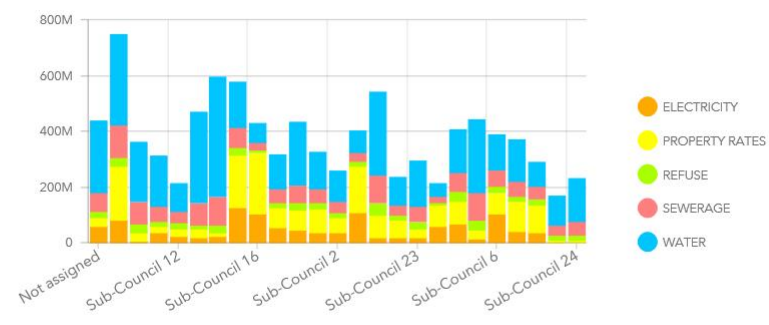
Last update: 2 minutes ago

I faults



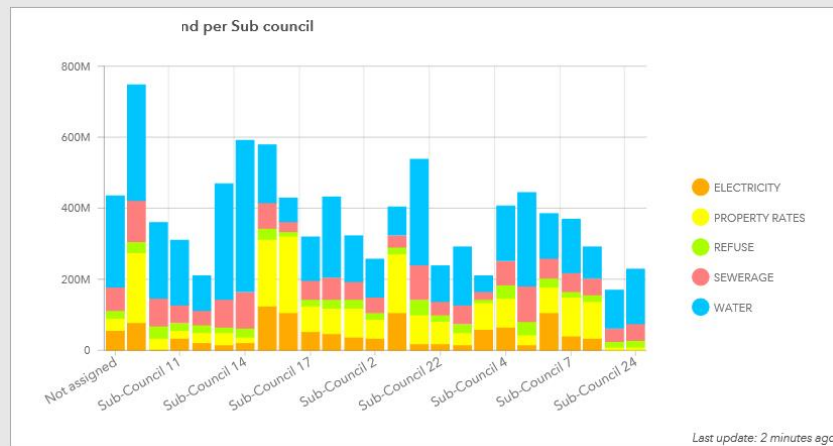
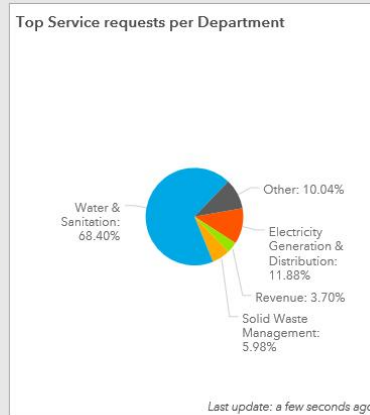
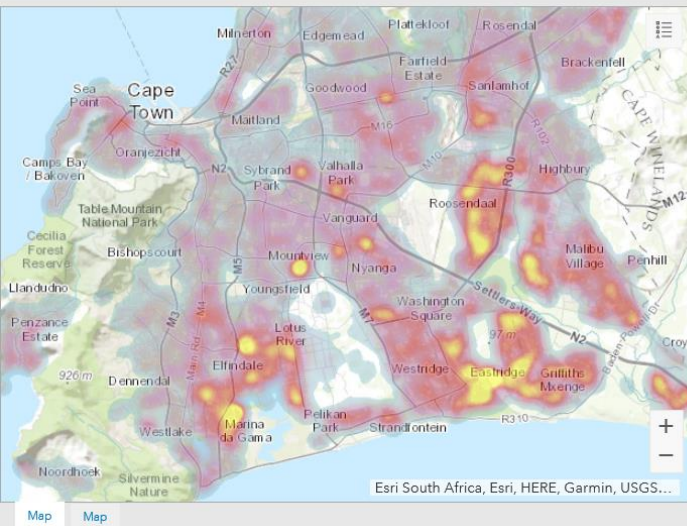
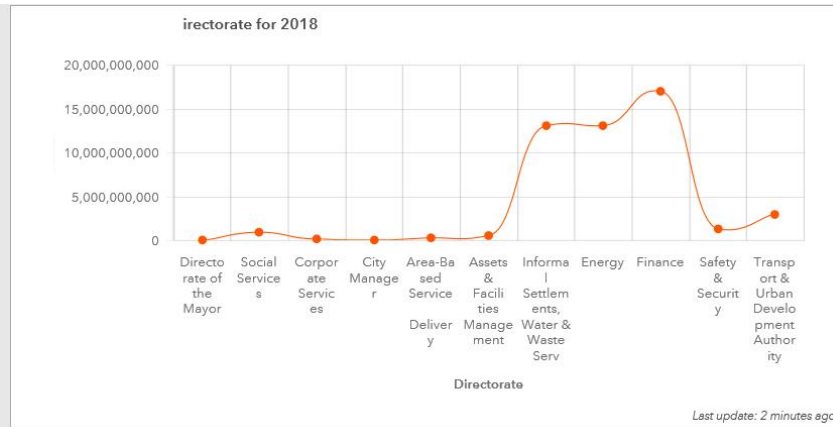
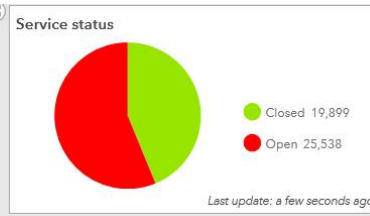
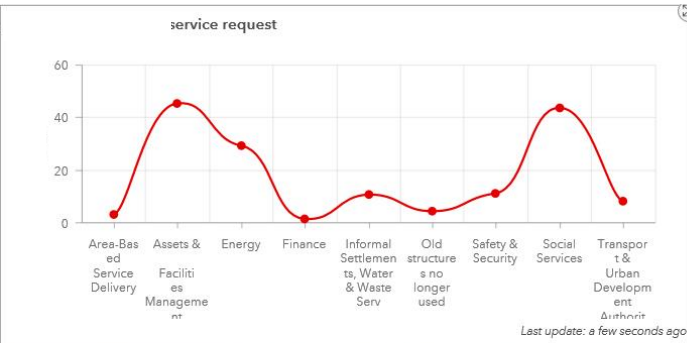
Last update: 2 minutes ago

per Sub council

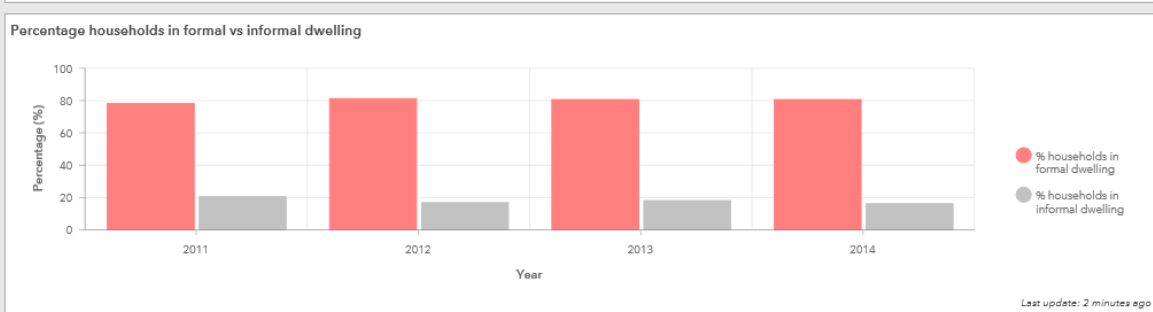
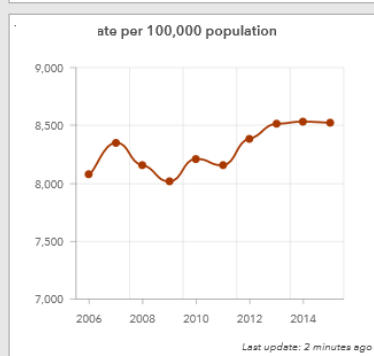
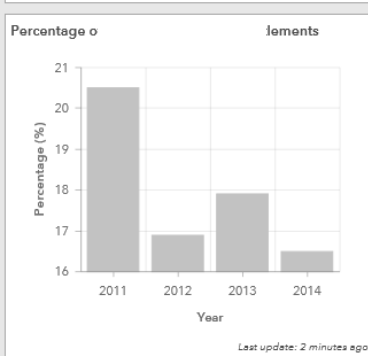
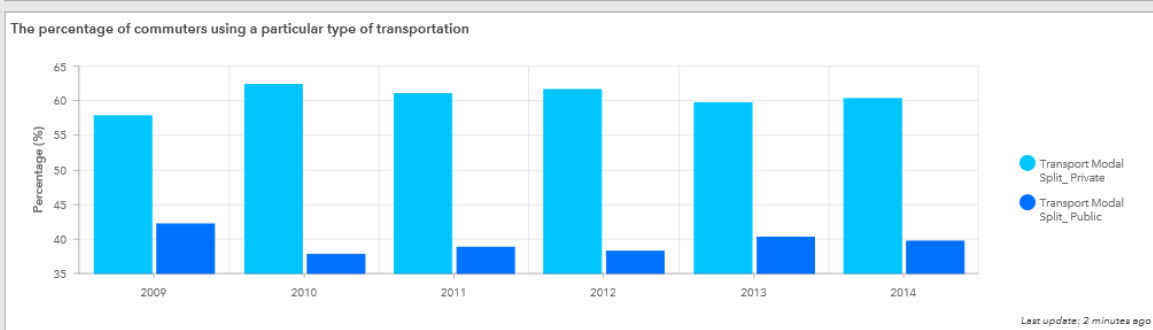
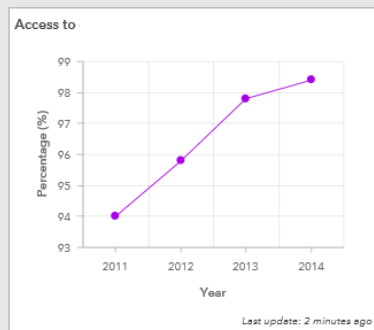
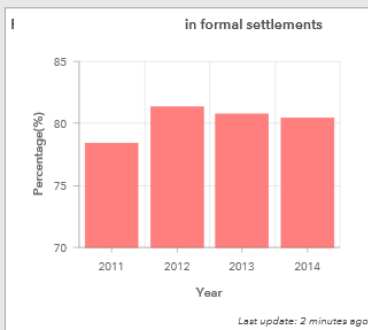
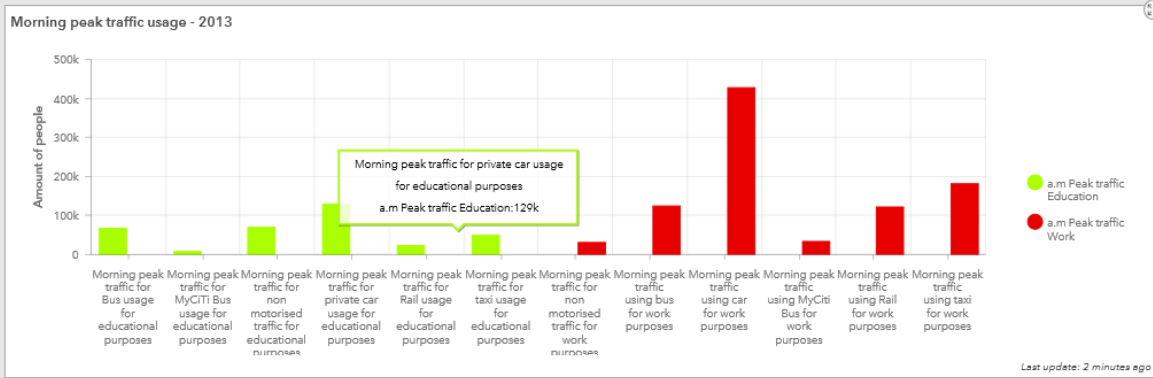
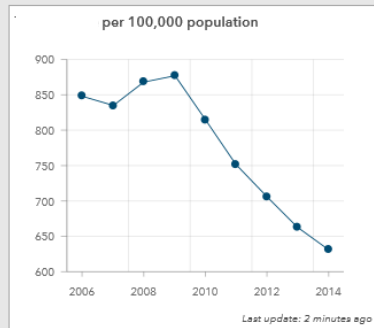
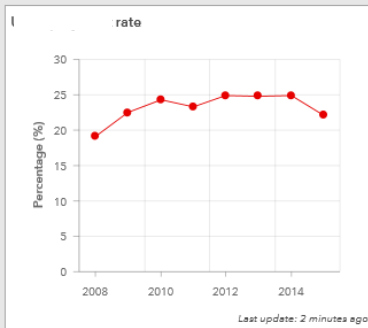


Last update: 2 minutes ago

Heat Maps & Interactive Dials

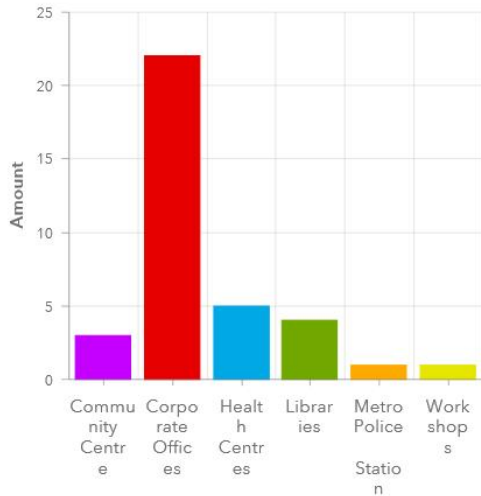


Non-spatial: Statistics

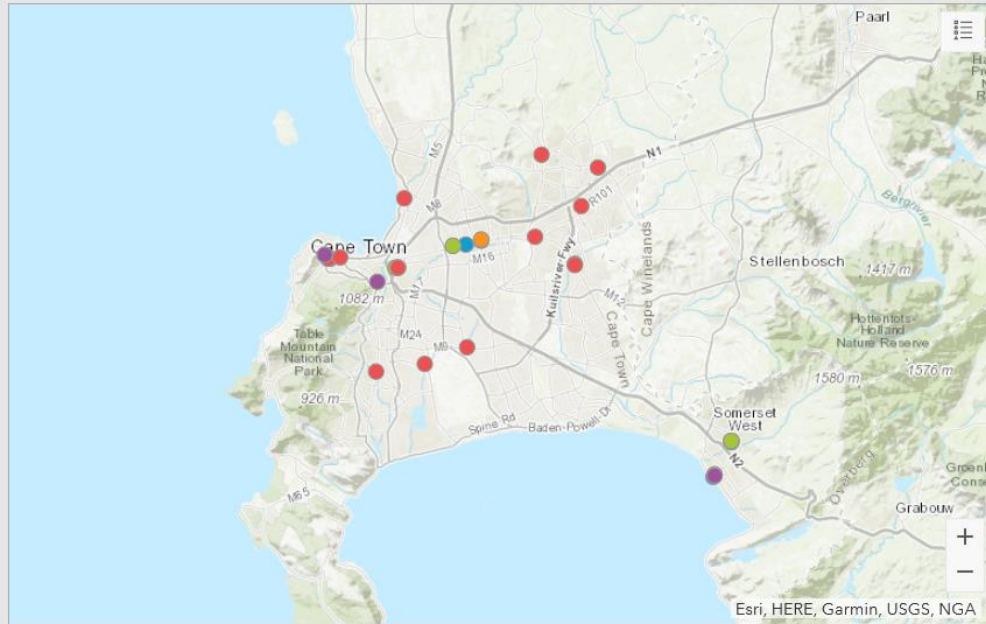


Energy Consumption

Facility Category



Last update: a few seconds ago



Facilities

- Facility Name:** 44 Wale Street 1
Facility Category: Corporate Offices
- Facility Name:** 44 Wale Street 2
Facility Category: Corporate Offices
- Facility Name:** Alex Pirie
Facility Category: Corporate Offices
- Facility Name:** 52 Wale Street
Facility Category: Corporate Offices
- Facility Name:** Keller House
Facility Category: Corporate Offices
- Facility Name:** Parow Municipal Building
Facility Category:

Last update: a minute ago

Annual Electricity usage (kWh) 2017



Last update: a few seconds ago

1 of 36

Monthly Electricity usage (kWh) per facility December 2017

35.195k

44 Wale Street 1

Last update: a few seconds ago

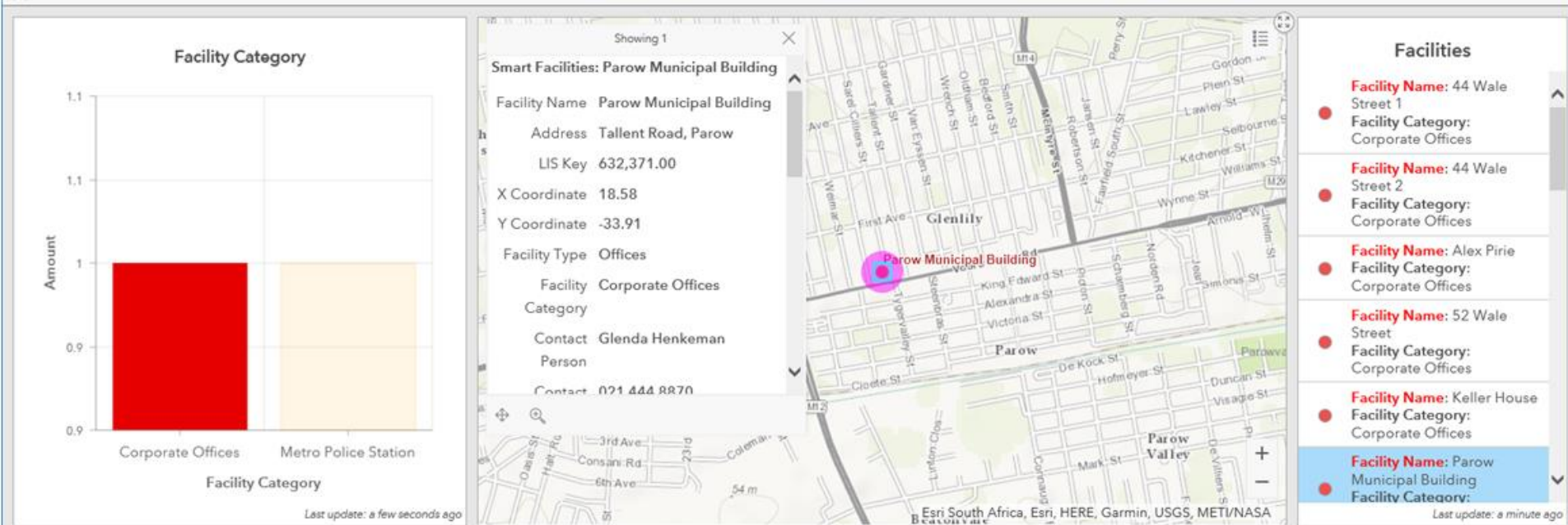
Electricity indicated for the last complete year 2017

2,109.939

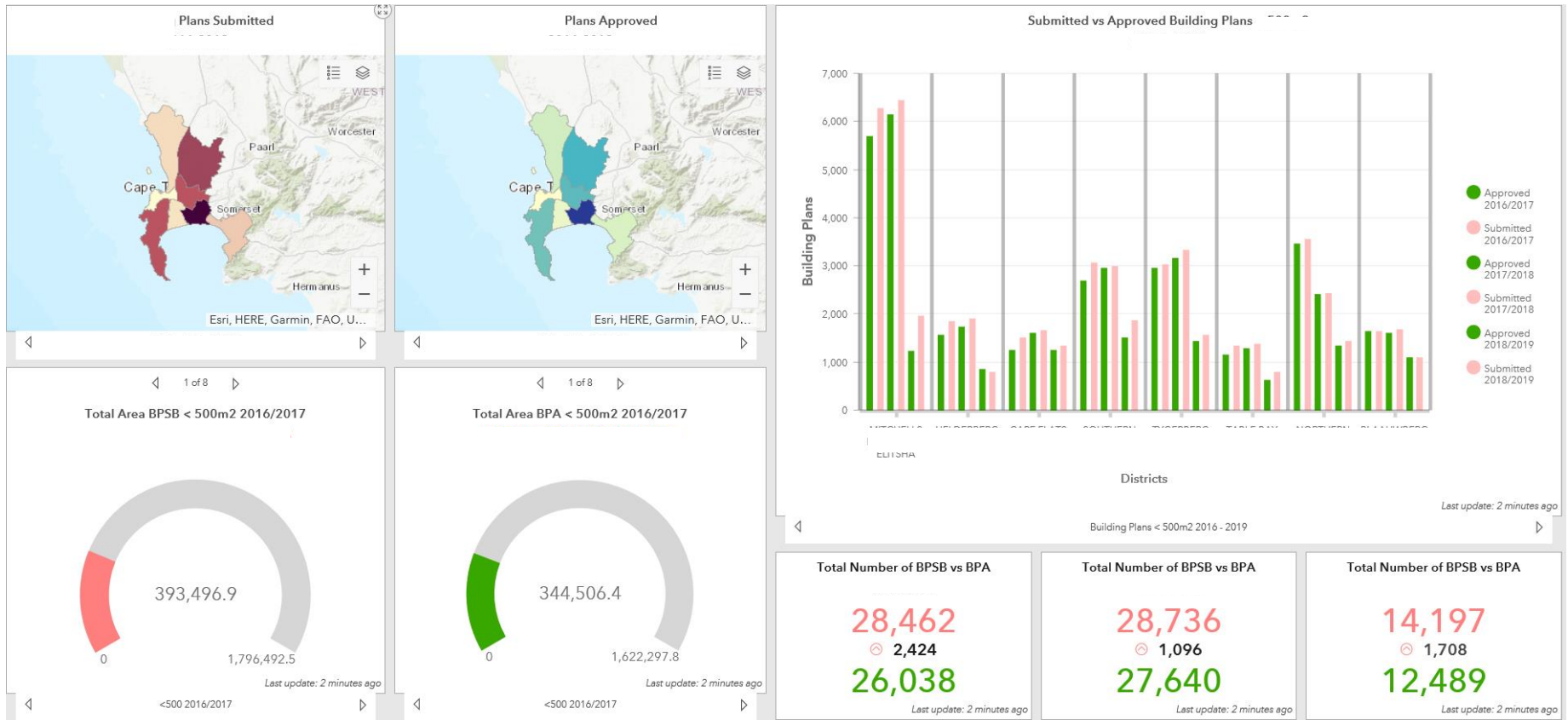
(kWh/m²)

Last update: a few seconds ago

Identify



Building Plan Statistics





LET'S MAKE
A GREAT CITY
EVEN GREATER

Thank You