



POWER RATES CALCULATOR

FOR LOCAL GOVERNMENT AND UTILITIES

Power Rates is a flexible, date-driven rates/charges calculator and invoicing tool built specifically **for** – and in collaboration **with** – Local Governments and Utilities.

Built on Microsoft Dynamics 365 Finance and Supply Chain Management, Power Rates helps streamline the management of rates, charges, and property information while considering date changes for all variables when calculating rates to be charged.

KEY FEATURES INCLUDE:

- Rate calculation based on current Land Valuations with support for concessions and minimum charges
- Date-driven rates calculations and concessions for rates
- Historical ownership data and property valuations
- User Configurable Rates and Charges for properties
- Fixed and service fees calculation
- Usage fees calculation based on consumption
- Prorated rates and charges calculation where ownership changes during a billing period
- Calculation insight and review prior to invoicing
- Portal integration with Dynamics 365 portals for property owners
- Scalability to cater for gas, water, and electricity consumption and billing
- IoT integration-ready through Microsoft Azure for Smart Meters and other compatible devices
- Free text invoicing



OVERVIEW OF POWER RATES CALCULATOR

The Power Rates Calculator implements as a fully integrated module within Dynamics 365 Finance and Supply Chain Management. It can be extended or modified to fit virtually any rate scenario – water, electricity, gas, etc. – in which date-driven usage charges need to be calculated and invoiced.

The screenshot displays the Dynamics 365 Finance and Operations user interface. The top navigation bar includes the 'Finance and Operations' title, a search bar, and user information (USMF, BK). The left-hand navigation pane lists various modules, with 'Rates calculator' highlighted under the 'Periodic tasks' section. The main content area shows a table with columns for 'Address', 'Suburb', 'Post code', and 'Description'. The table contains four rows of data for properties located at 'DELPRAT TERRACE' in 'SYDNEY' with 'Post code' '2000'.

Address	Suburb	Post code	Description
1 DELPRAT TERRACE	SYDNEY	2000	5600 LT 97
2 DELPRAT TERRACE	SYDNEY	2000	5600 LT 98
3 DELPRAT TERRACE	SYDNEY	2000	5600 LT 99
4 DELPRAT TERRACE	SYDNEY	2000	5600 LT 100



CHARGES

The solution allows users to configure an unlimited number of Service Charges that can be invoiced to customers, with support for:

- Start and End Dates to capture historical charges
- Reduced charges for concession holders
- Minimum charge amounts
- Ability to invoice with Rates or separate invoices

The charges can be based on:

- A Fixed Fee per billing period
- A Variable Fee based on actual consumption taken from meter reading or usage measurements
- A Variable Fee based on estimated consumption calculated based on previous meter readings or usage measurements

Finance and Operations

Search for a page

USMF

BK

Edit + New Delete Options

Filter

- RES-SEWERS
Sewer Services - Residential
- RES-STORM
Stormwater Drainage - Residential
- RES-WASTE
Waste Collection - Residential
- RES-WATERS
Water Service - Residential
- RES-WATERU
Water Usage - Residential
- RUR-WASTE
Waste Collection - Rural
- Z-TEST
Test Charge

Charges

Charge id: RUR-WASTE
Charges classification id: WASTE
Counter id: [Redacted]
Item tax group: ALL

Charge name: Waste Collection - Rural
Charge type: Fee
Terms of payment: Net15
Main account: 401300

Charges detail USMF-00020

+ New Delete

Charge detail id	Status	Effective start date	Effective end date	Fee	Minimum charge
USMF-00020	Active	1/01/2017	31/12/2017	56.87000	0.00
USMF-00021	Active	1/01/2018	31/12/2018	58.50000	0.00
USMF-00022	Active	1/01/2019	31/12/2019	65.00000	0.00
USMF-00023	Active	1/01/2020	31/12/2020	75.00000	0.00
USMF-00024	Draft	1/01/2021		85.50000	0.00

Financial dimensions



RATES

Users can configure an unlimited number of Rates fees that can be invoiced to customers, with support for:

- Start and End Dates to capture historical rates
- Reduced Rates for concession holders

The Rates calculation is based on historical property valuations.

Finance and Operations

Search for a page

USMF

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BK

Edit + New Delete Options

Filter

R1 Residential

R2 Low Density Residential

R3 Medium Density Residential

R4 High Density Residential

Z-TEST Test

Rates

Rates id: R4

Category: 1

Terms of payment: Net15

Rates name: High Density Residential

Item tax group: ALL

Revenue account: 401300

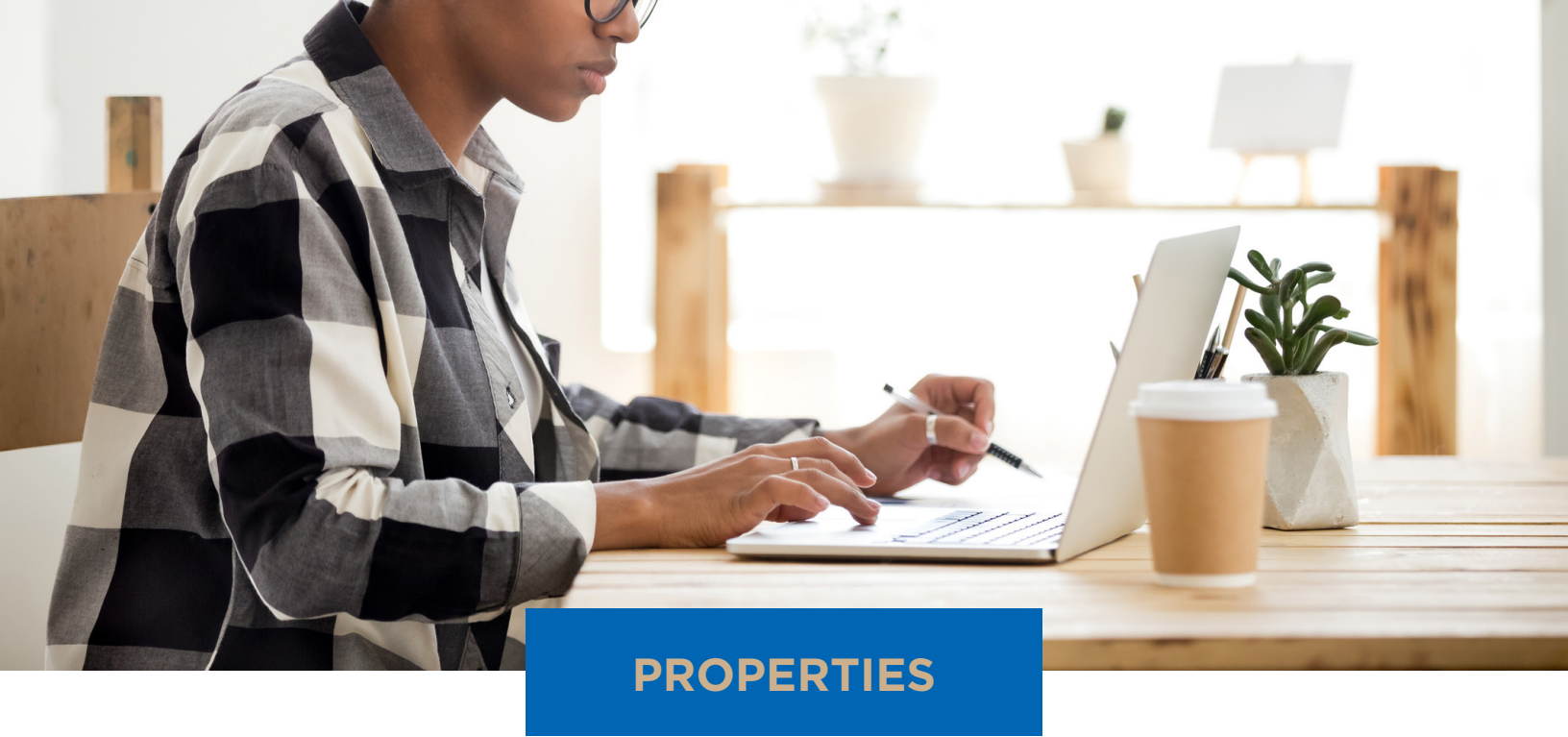
Rates details

Active

+ New Delete

✓ Status	Effective start date	Effective end date	Fee	Minimum charge	Concession dis...
Active	1/01/2016	31/12/2016	0.0219500	250.00	✓
Active	1/01/2017	31/12/2017	0.0220100	255.00	✓
Active	1/01/2018	31/12/2018	0.0230000	260.00	✓
Active	1/01/2019	31/12/2019	0.0241200	265.50	✓
Active	1/01/2020	31/12/2020	0.0251200	280.00	✓
Draft	1/01/2021	31/12/2021	0.3598000	300.00	

Financial dimensions



PROPERTIES

A comprehensive Property Record is maintained, serving as the driver for billings. It includes:

- Property identifiers and statistical information
- Historical ownership records
- Historical property valuation records
- Applicable Rates and Charges

Finance and Operations

Search for a page

USMF

Personalize Page options Share

Always open for editing Personalize this page Add to workspace

Security diagnostics Record info Get a link Create a custom alert

Advanced filter or sort Change view Manage my alerts

All properties

CR5975/392

General CR5975/392 | 1560501

Title reference	Land area	Zone	Post code
CR5975/392	752.00	TA	2000
Description	Frontage	Address	Land use code
5600 LT 97	18.00	1 DELPRAT TERRACE	R2
Plan id	Local government classification	Suburb	Frontage
T560501	1	SYDNEY	18.00

Property owners

Owner id	Primary owner	Start date	End date	Concession hol...
AA-001	✓	1/01/2020		
DE-001		1/01/2019	26/05/2020	
US-002	✓	24/12/2001	31/12/2018	

Property valuation 676688999

Valuation number	Valuation date	Valuation amo...	Date applicable
676688999	30/04/2000	138,000.00	1/01/2001
7399910011	2/01/2013	145,000.00	1/01/2014
7500019991	1/01/2017	155,000.00	1/01/2018
8540003006	30/06/2019	158,000.00	1/01/2020
8540003999	1/01/2020	162,000.00	1/01/2021

Property rates R2

Rates id	Status	Effective ↓	Expiration
R2	Active	1/01/2020	Never

Property charges RES-WASTE

Charge id	Charge with rat...	Start date ↓	End date	Counter id
RES-WASTE	✓	1/01/2020	Never	
RES-SEWERS		1/01/2020	Never	
RES-STORM		1/01/2020	Never	
RES-WATERS		1/01/2020	Never	
RES-WATERU		1/01/2020	Never	

For more information about
Power Rates calculator, visit
[www.powerobjects.com/practice-areas/
local-and-regional-government/](http://www.powerobjects.com/practice-areas/local-and-regional-government/)

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