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**Government
of South Australia**

Green Industries SA

Greenhouse Gas Emissions Profiles for Selected South Australian Local Governments

Presented by:

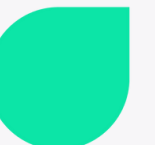
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Date:

1st February 2023



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MANU

TRC

TRC
HOUTHABLADE

40

92

92

ROBERTSON
SLUGS

asics

92136

READY!
PREP
GO

READY!
PREP
GO

Benchmarking: A Joint Initiative

CY21



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12 LOCAL GOVERNMENT AREAS
49%
OF SA'S POPULATION

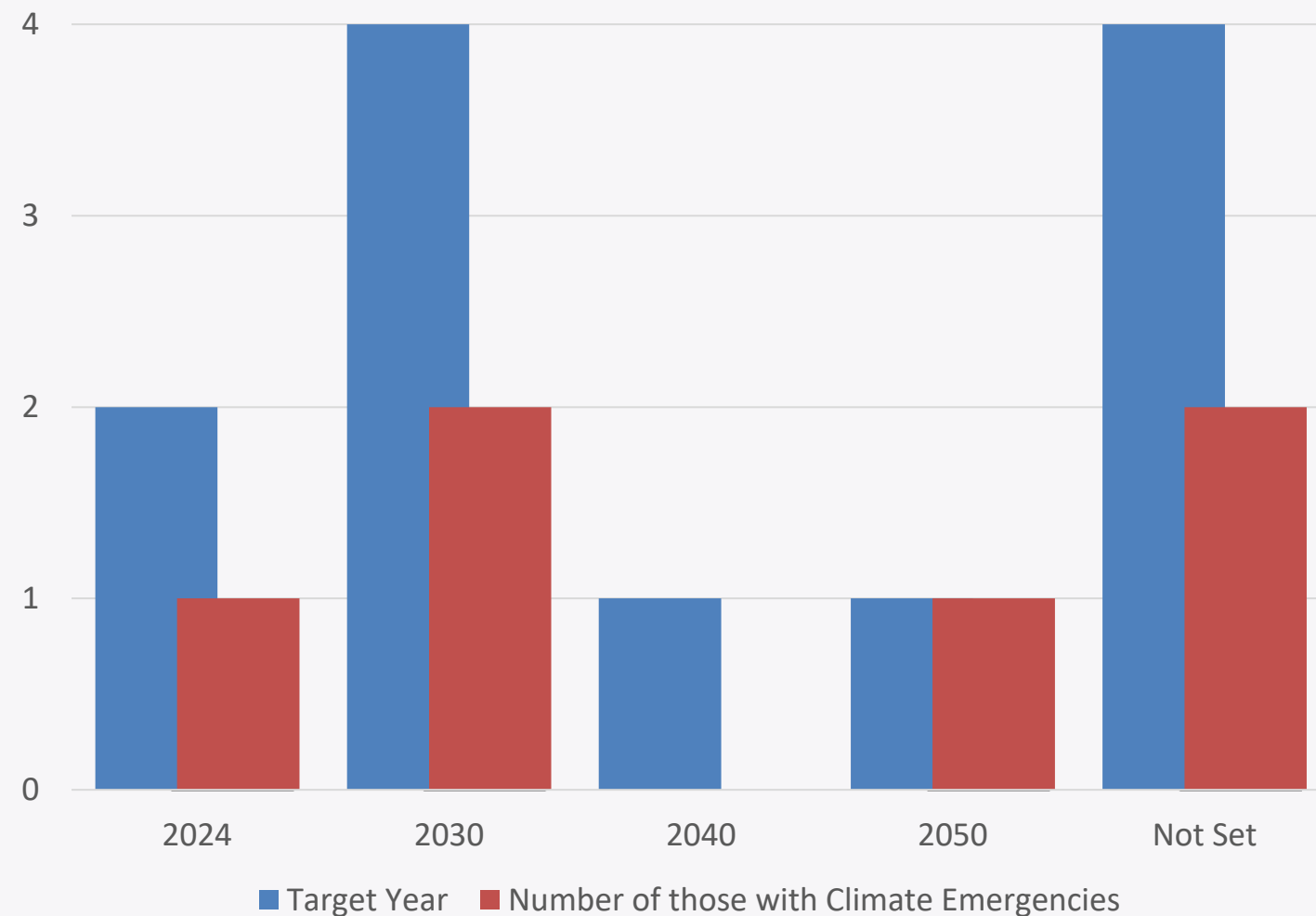
5,368
FACILITIES. RESPONSIBLE FOR:
\$700M
OF RATEABLE REVENUE

WITH
35,985 tCO₂e
OF MEASURED EMISSIONS



Net Zero Pathway & Targets

Net Zero Targets



Projects

- Solar systems
- Renewable electricity contract (due 2023)
 - Fleet updates (2025 – 2035 completion)
 - Adaptation strategies (mostly tree planting)
- Majority with street lighting updates (both done and planned)
- Building efficiency investments





Electricity

Transport & Stationary Fuel

Waste: Landfill & Recycled

Natural Gas



Water

Professional Services

Fugitive Gases (refrigerants)



Business Travel & Flights

Bulk CO₂

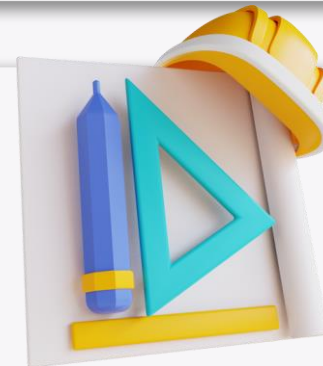
Purchased Paper

Staff Commute

Horticulture & Agriculture

Accommodation & Facilities

Cleaning & Chemicals



Construction Materials & Services

ICT Services & Equipment



Office Equipment & Supplies



Postage Couriers & Freight



Products

Working from Home

Food & Catering

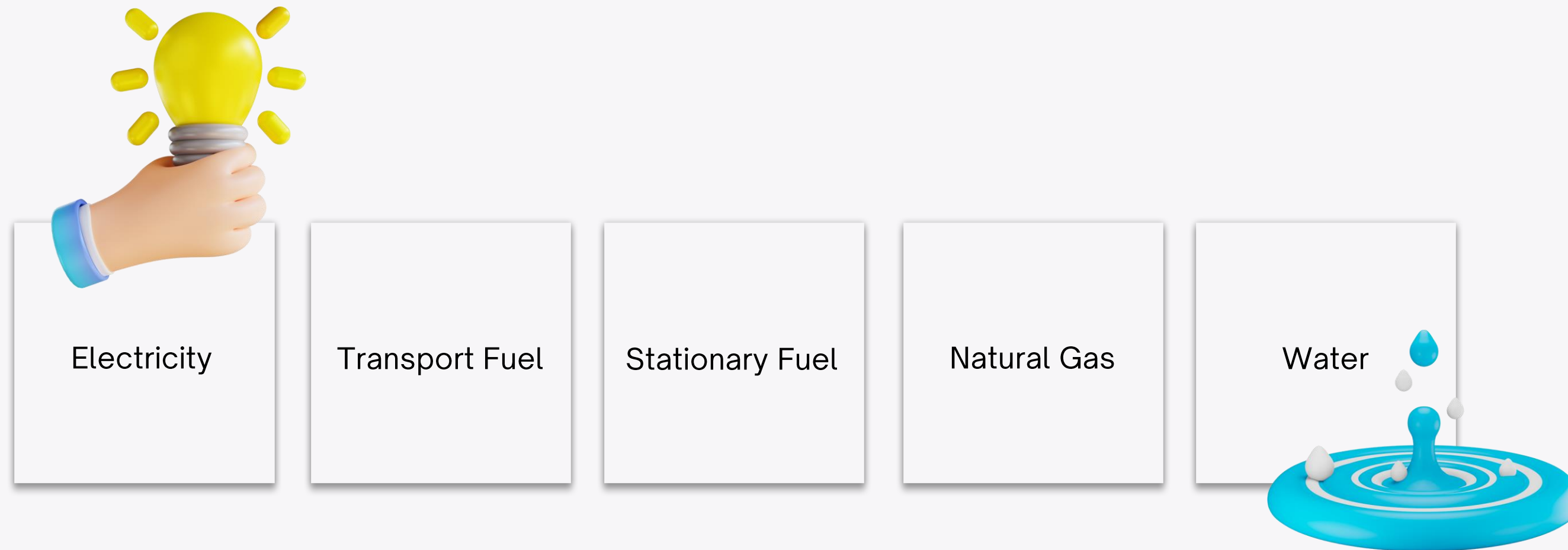
Roads & Landscape

Machinery & Vehicles

Carbon Neutral Products & Services



Emissions Sources Included in the Analysis



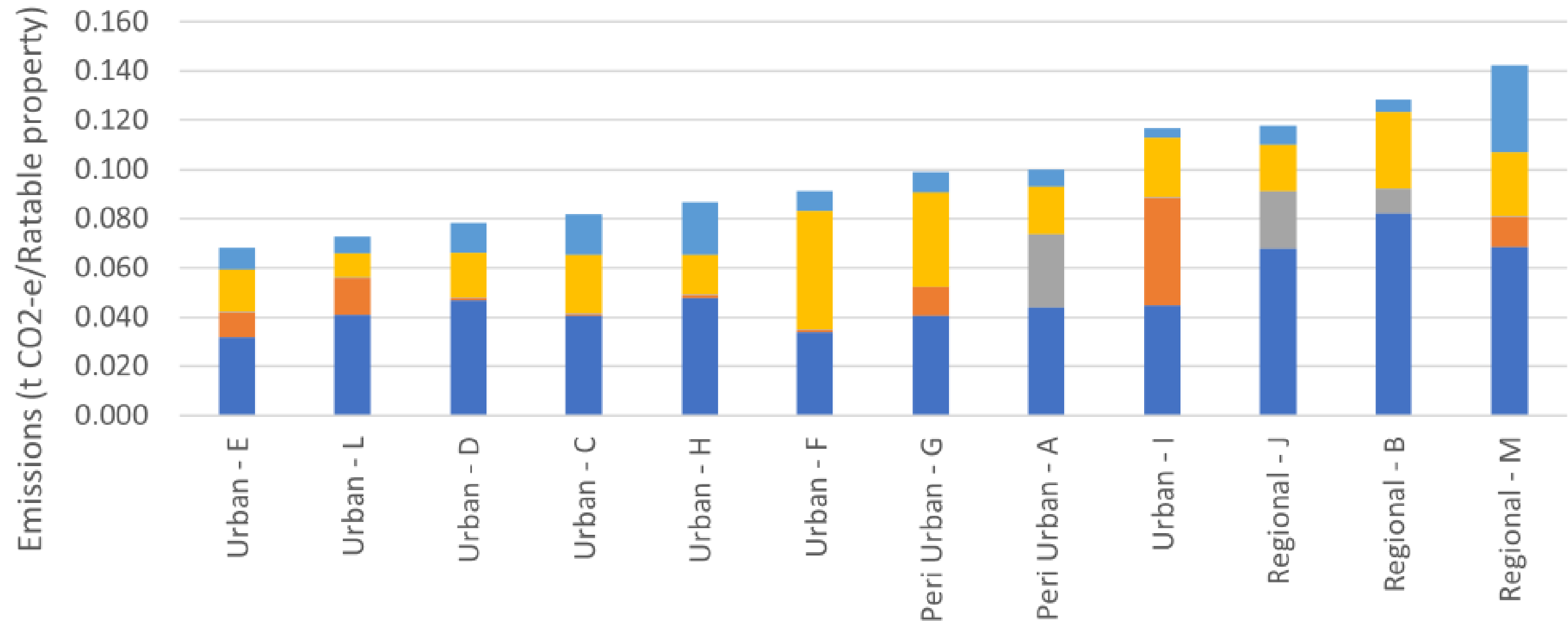
Methodology

Council	Electricity	Natural Gas	Stationary Fuel	Transport Fuel	Water Usage
A	100%	NA	3%	100%	100%
B	100%	NA	89%	100%	100%
C	100%	98%	-	93%	100%
D	99%	97%	-	43%	99%
E	100%	100%	3%	100%	100%
F	99%	96%	-	100%	100%
G	99%	99%	3%	100%	99%
H	99%	98%	-	99%	100%
I	98%	96%	-	-	94%
J	99%	NA	100%	100%	99%
L	94%	91%	-	100%	94%
M	99%	94%	-	50%	100%



Emissions Intensity

Emissions intensity per rateable property by resource type

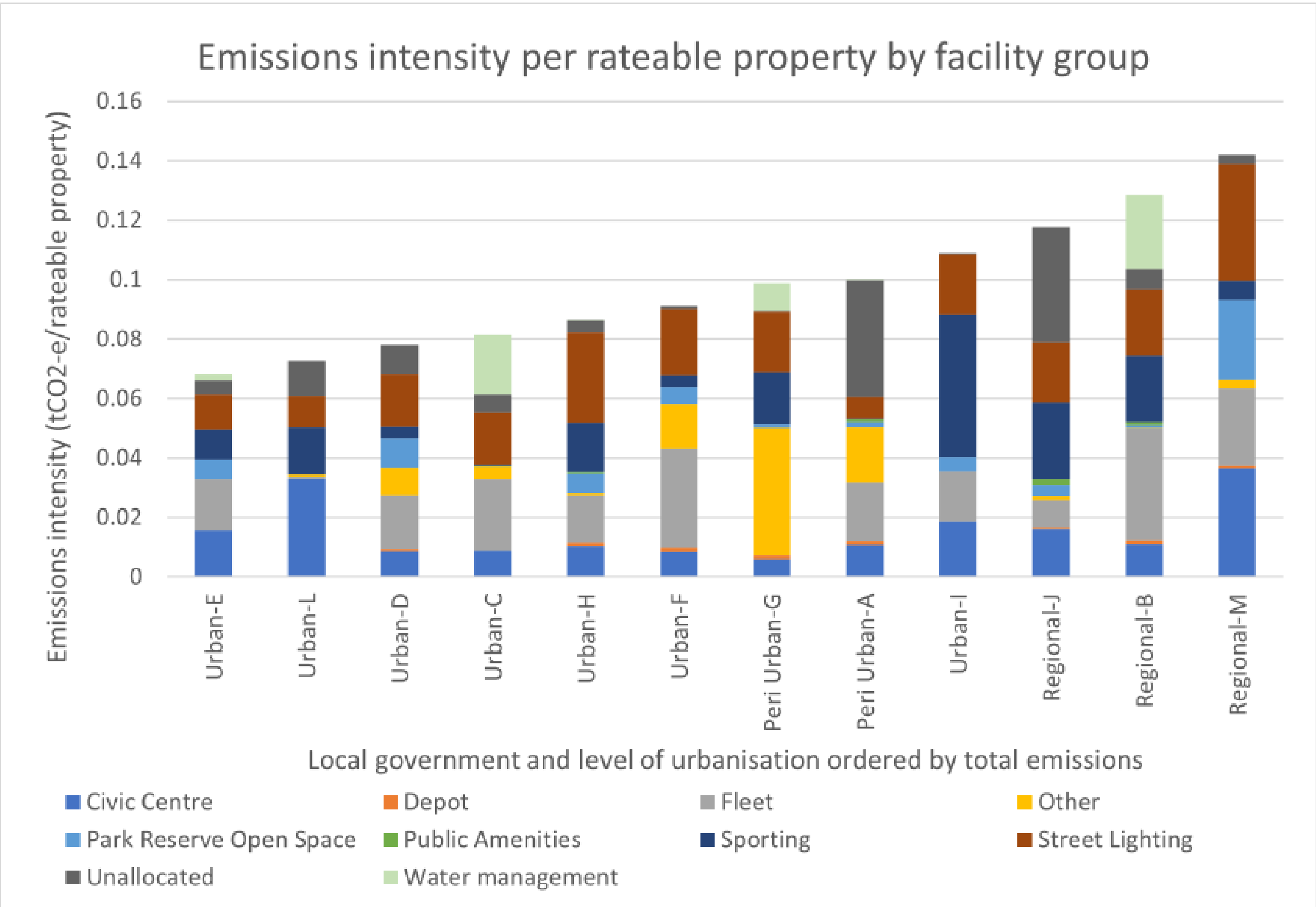


Local government and level of urbanisation ordered by total emissions

■ Electricity
 ■ Natural gas
 ■ Stationary fuel
 ■ Transport fuel
 ■ Water usage

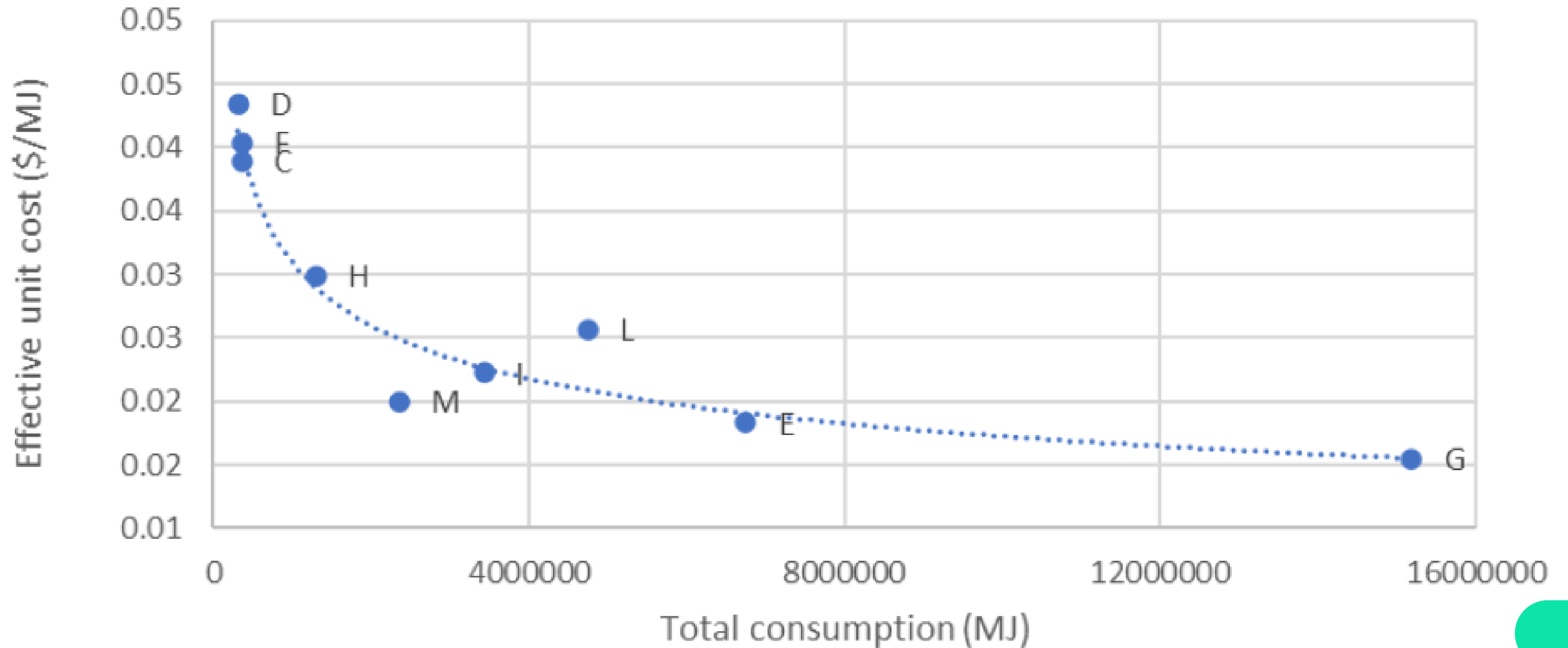


Emissions Intensity



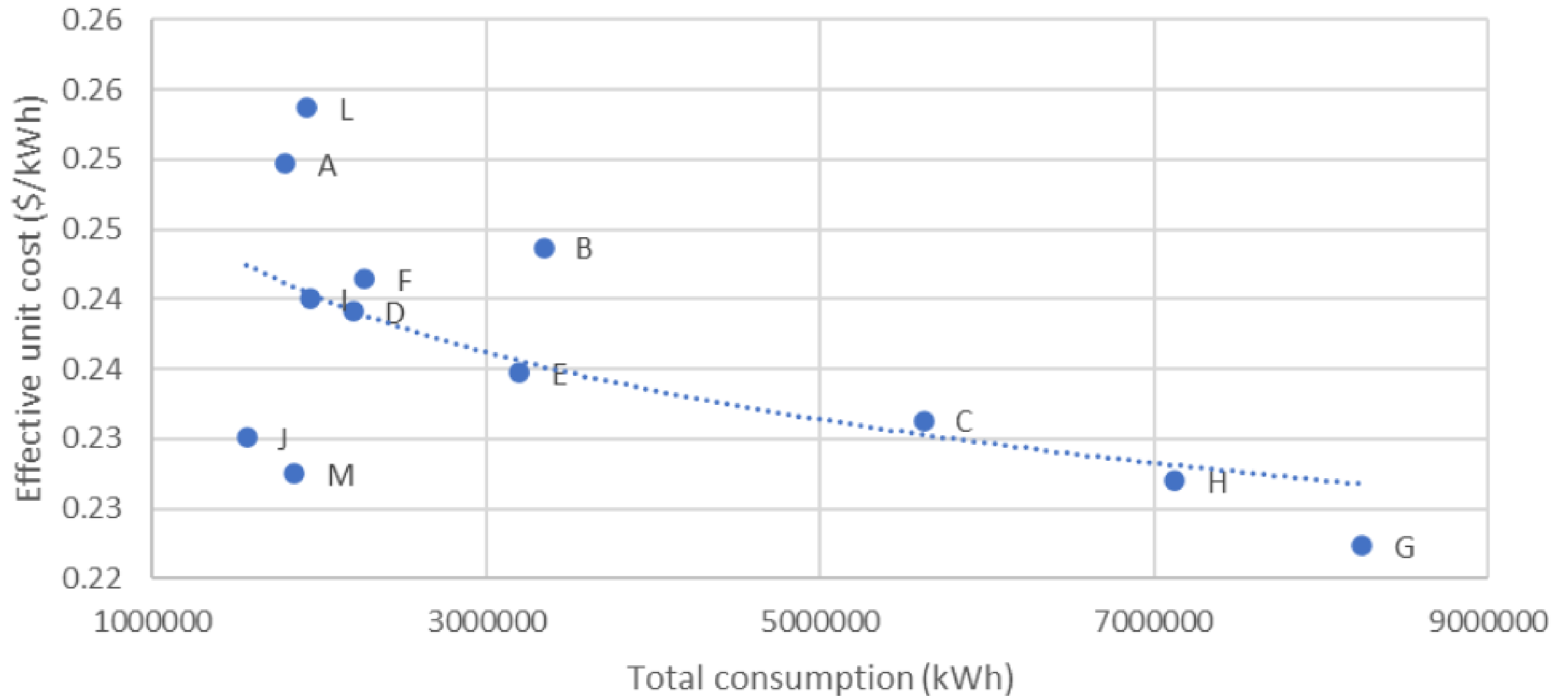
Effective Unit Cost

Natural gas

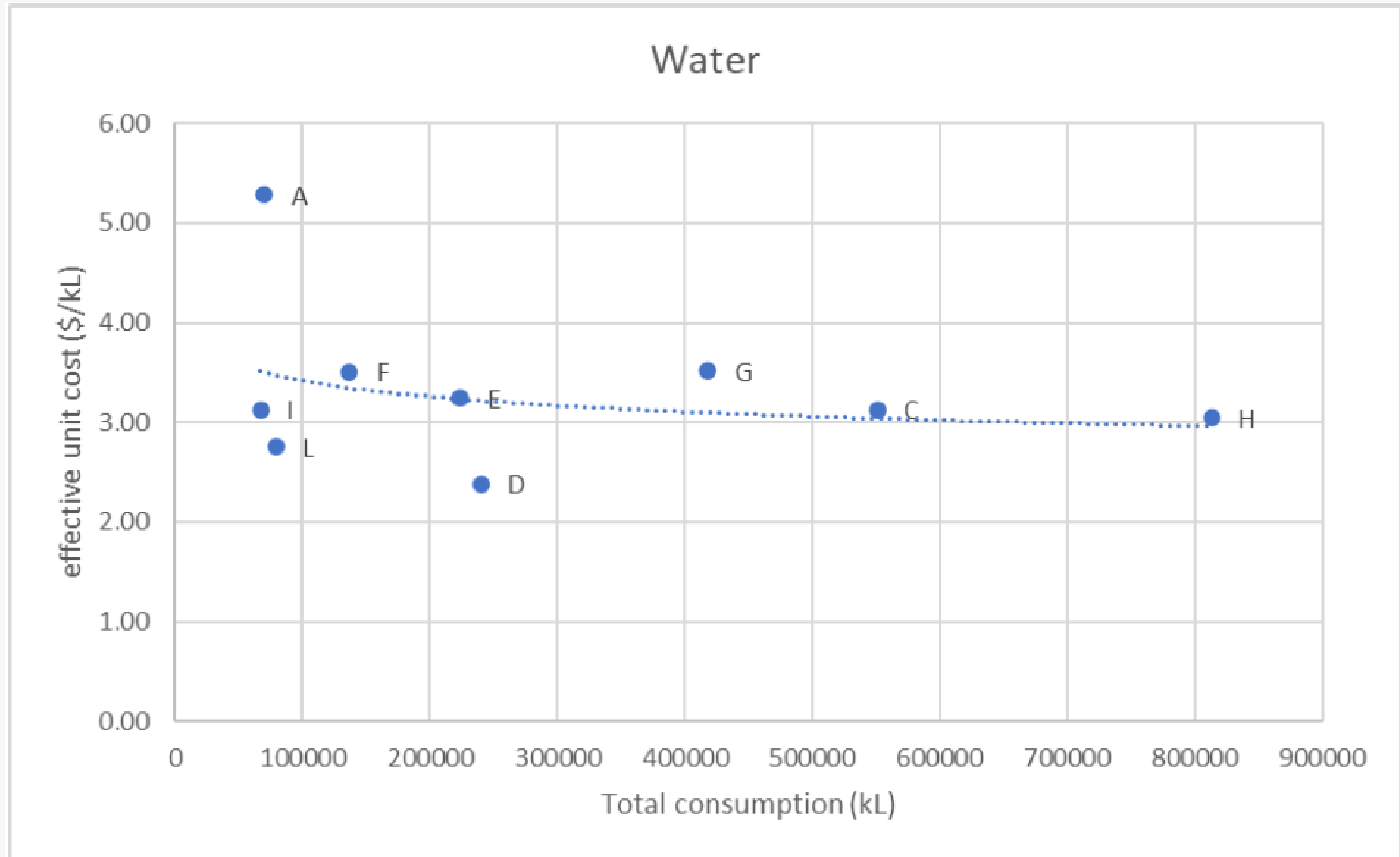


Effective Unit Cost

Effective Unit Cost - Electricity

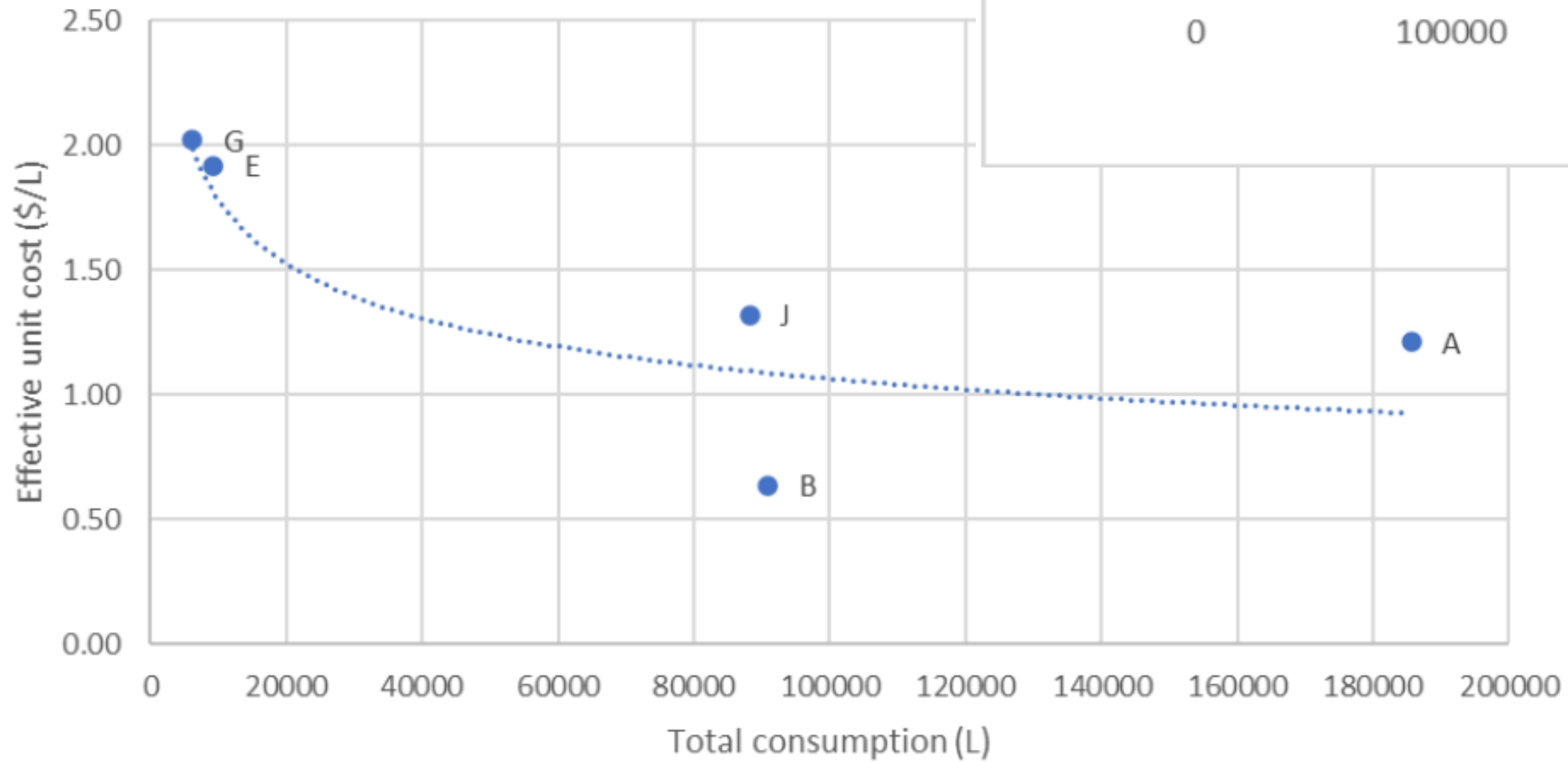


Effective Unit Cost

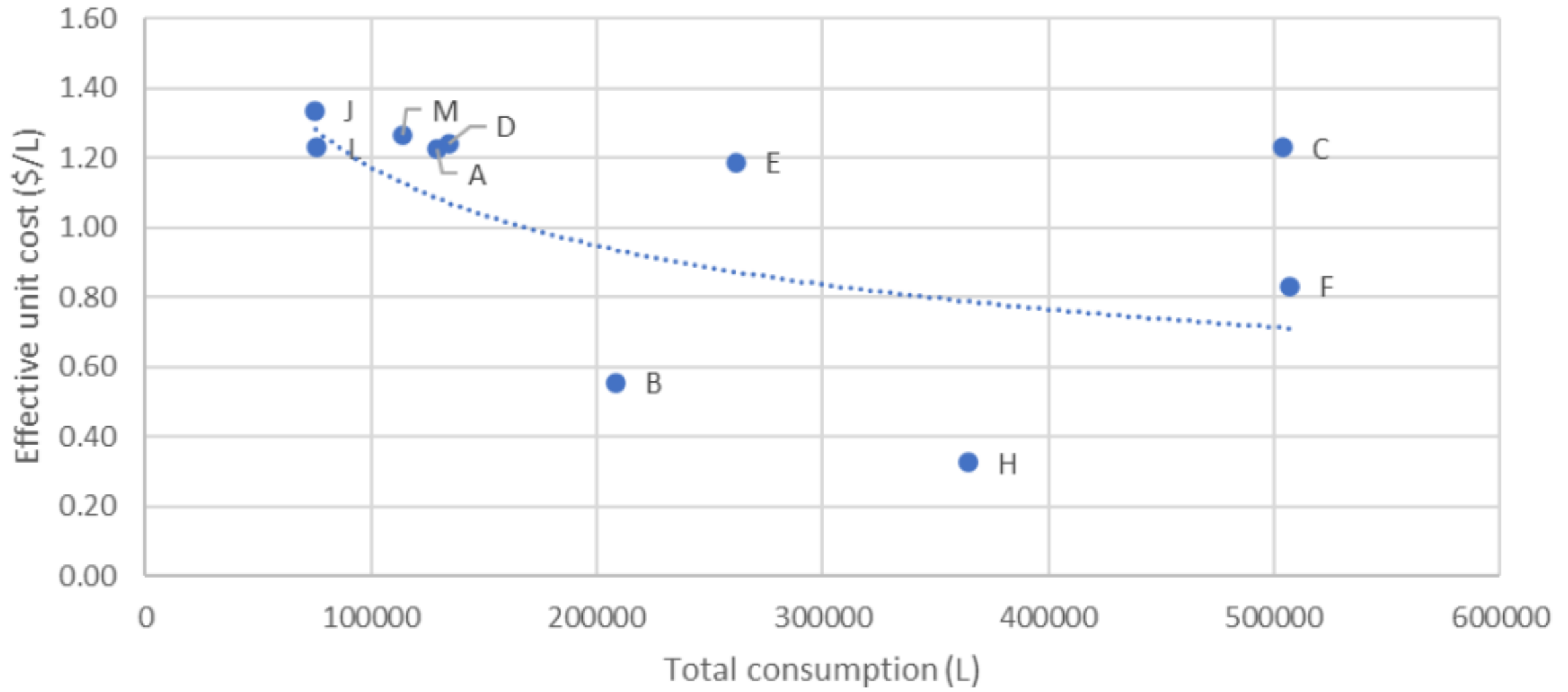


Effective Unit Cost

Stationary fuel



Transport fuel



Summary



Data quality is paramount

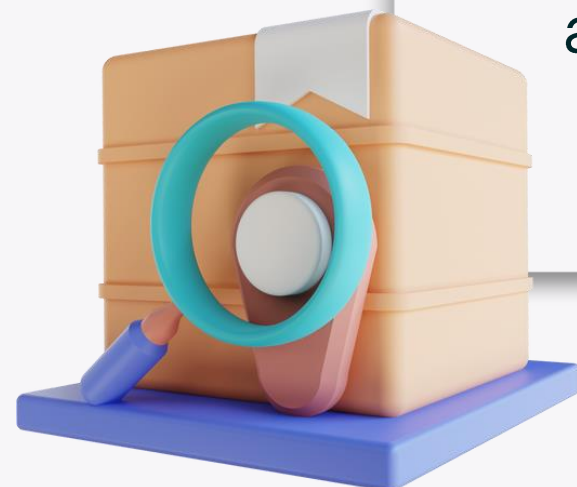


Knowledge is power



You can't manage what you don't measure

Emissions management projects are underutilised, and the ROI isn't visible



Harnessing benchmarking data for similar assets generates insights



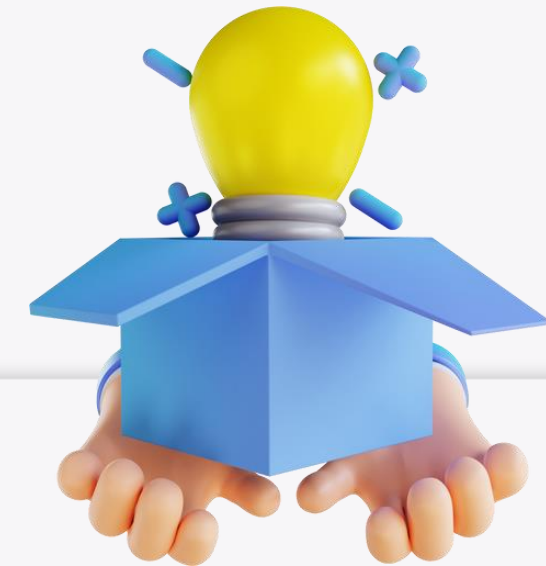
Recommendations



Ask yourself what you are measuring



Consider connecting with higher performing councils in this room



Align with a nationally recognised framework like Climate Active





**Government
of South Australia**

Green Industries SA

