



**Asia-Pacific
Economic Cooperation**

EWG Expert Group on Energy Efficiency & Conservation (EGEE&C)

**APEC EGEE&C
Energy Efficiency and Conservation
Priorities Survey
October 2009**



**Asia-Pacific
Economic Cooperation**

EWG Expert Group on Energy Efficiency & Conservation (EGEE&C)

Eight economy responses

1. New Zealand
2. Korea
3. Chinese Taipei
4. Singapore
5. USA
6. Hong Kong China
7. Australia
8. Japan



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Priorities, barriers and drivers for:

1. Residential sector
2. Transport sector
3. Business sector (industry, primary production, manufacturing, commercial buildings)
4. Public sector



**Asia-Pacific
Economic Cooperation**

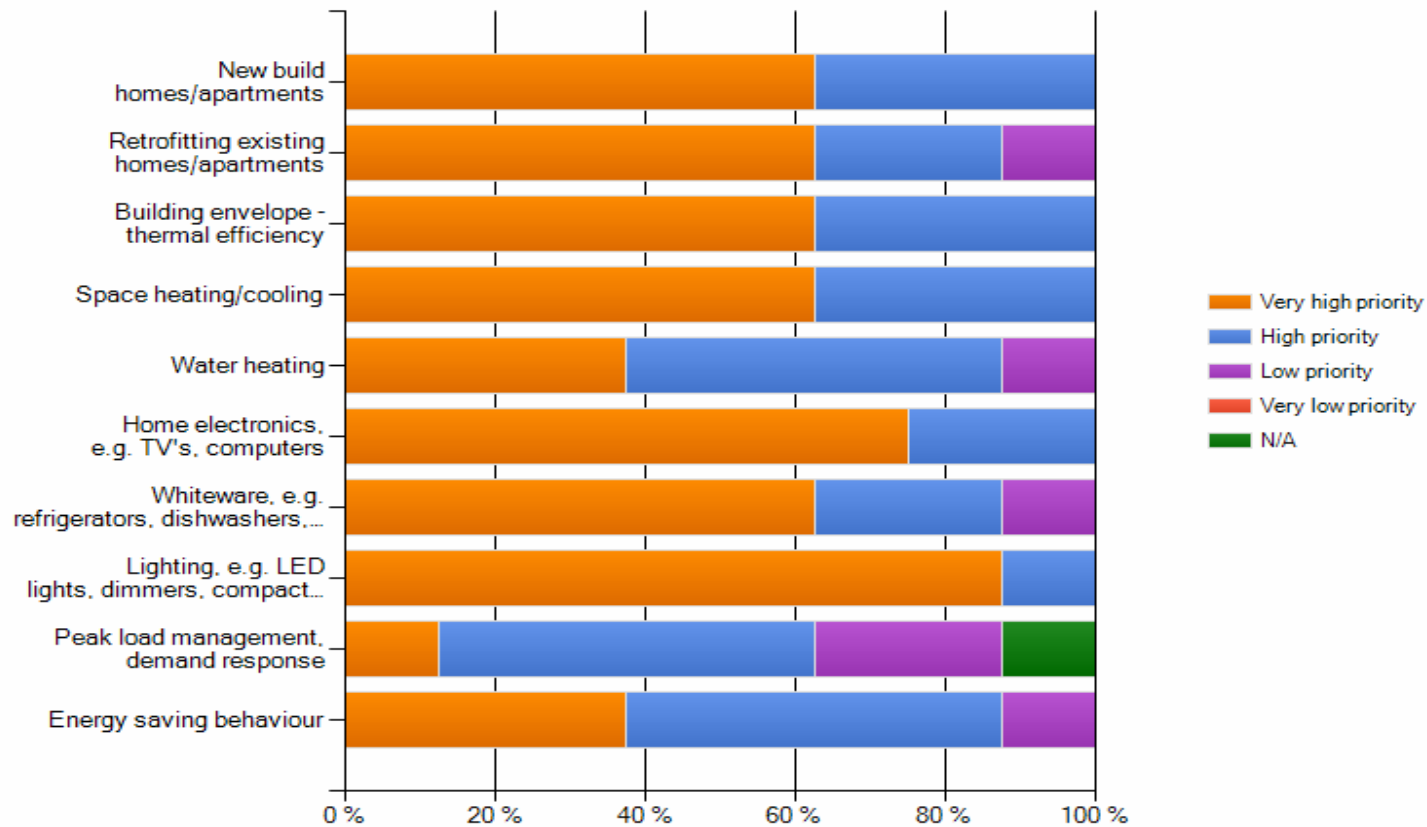
EWG Expert Group on Energy Efficiency & Conservation (EGEE&C)

Also looked at:

1. Energy efficiency legislation
2. APEC Energy Standards Information System
3. Energy data collection

Residential sector priorities

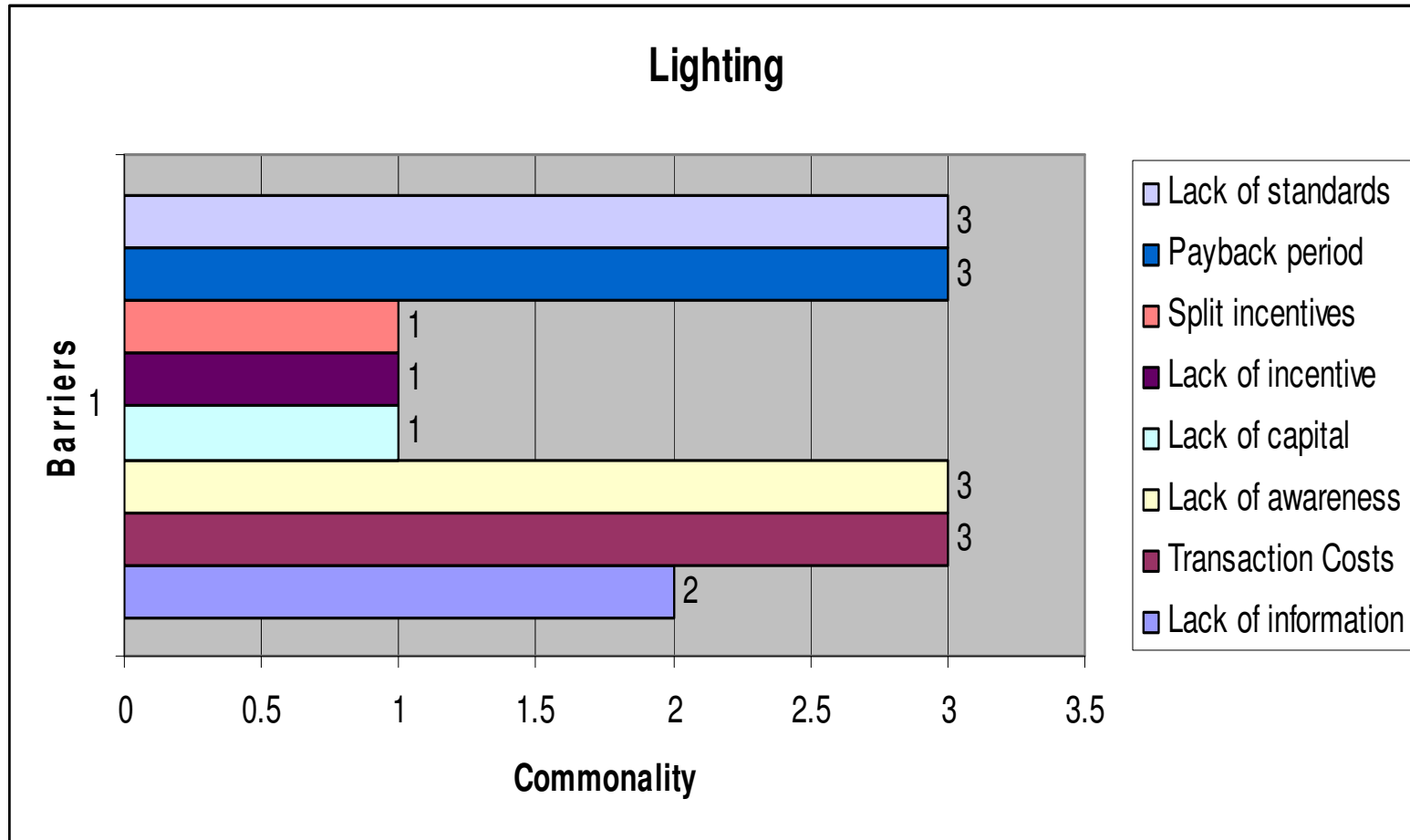
How important is each issue to central government in your economy?
Please select a priority level from "very high" to "very low" priority.



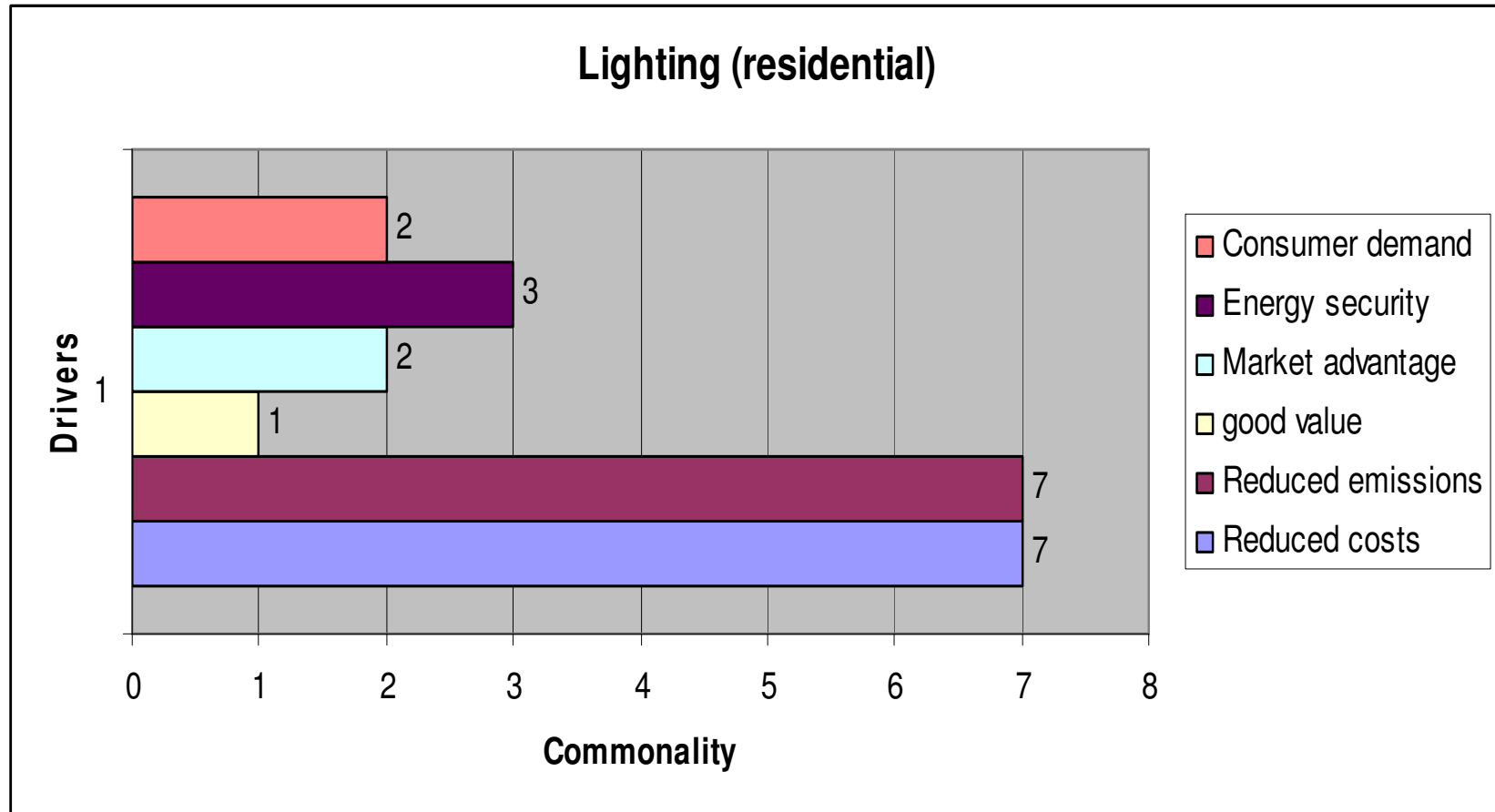
Residential sector priorities

1. Lighting (1)
2. Home electronics (2)
3. New homes and apartments (3)
4. Building envelope thermal efficiency (3)
5. Space heating and cooling (3)

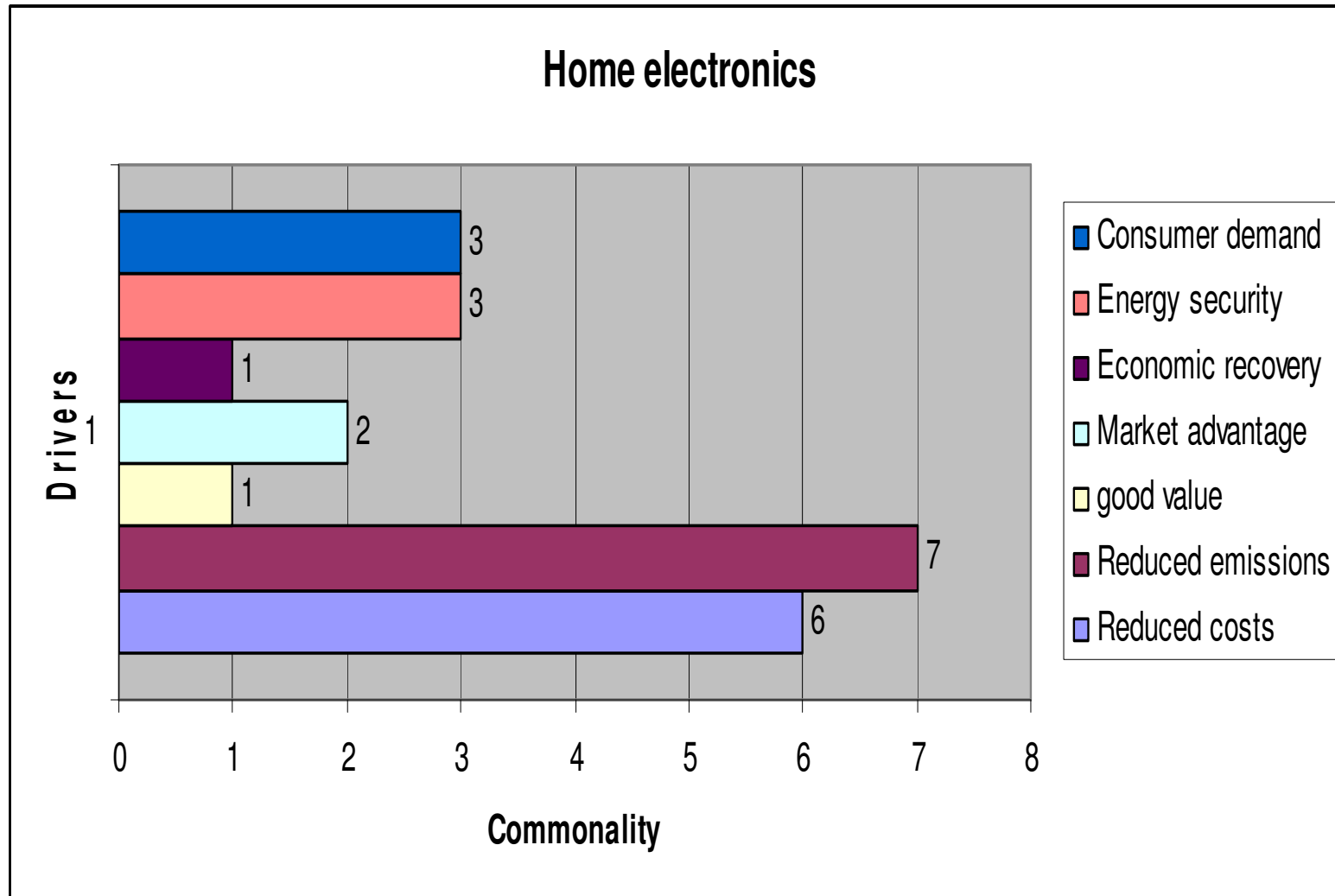
Lighting – Barriers



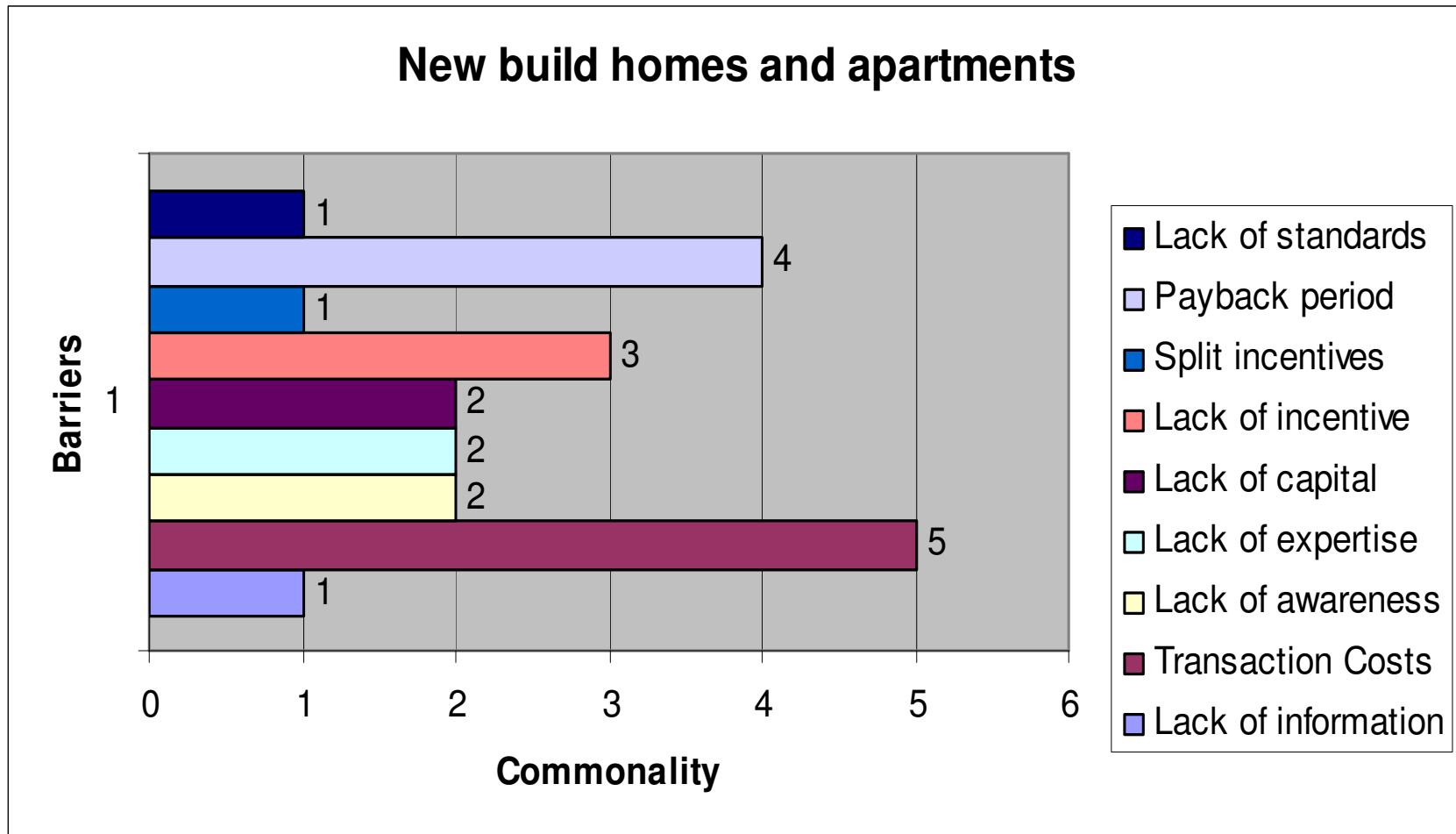
Lighting – Drivers



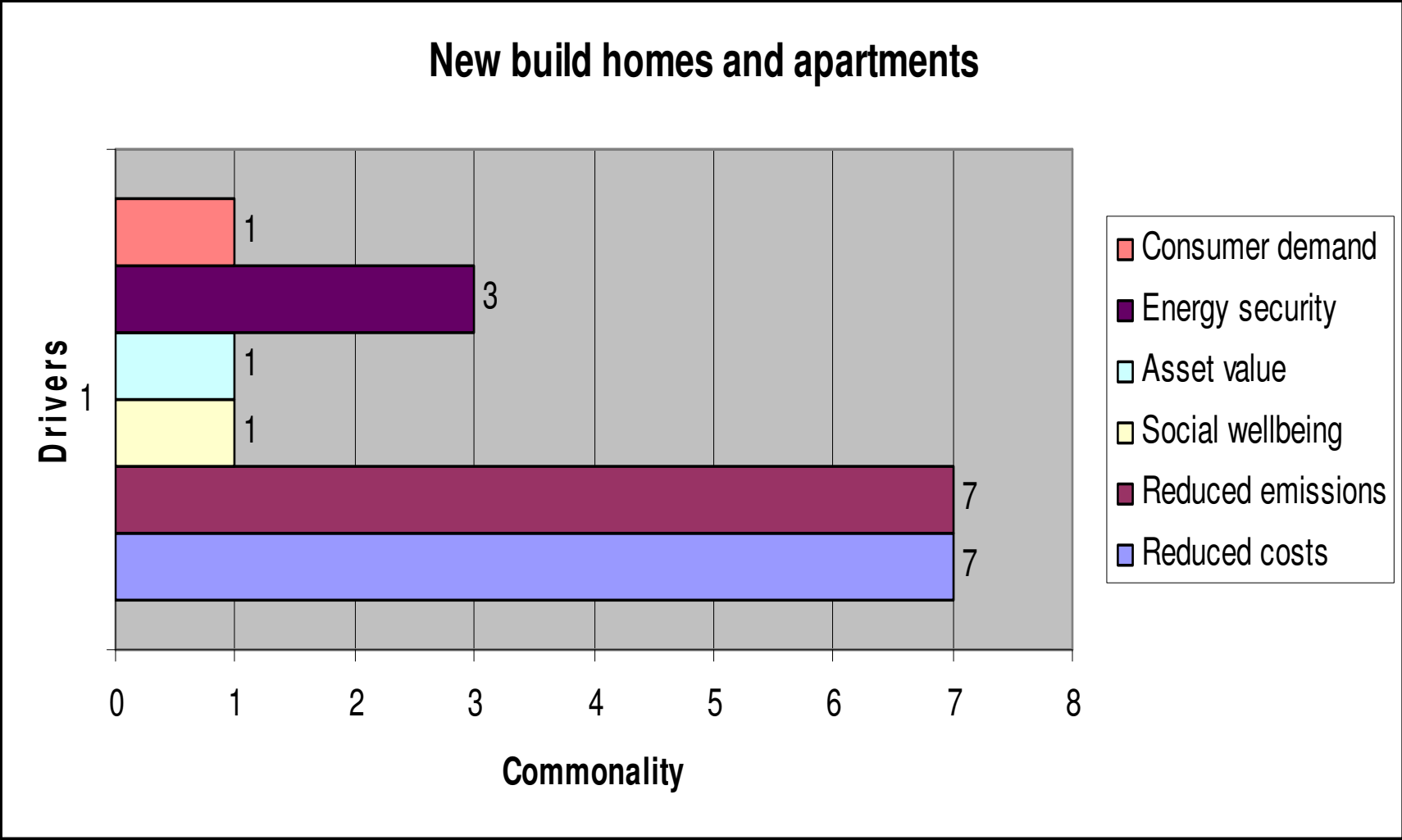
Home electronics – Drivers



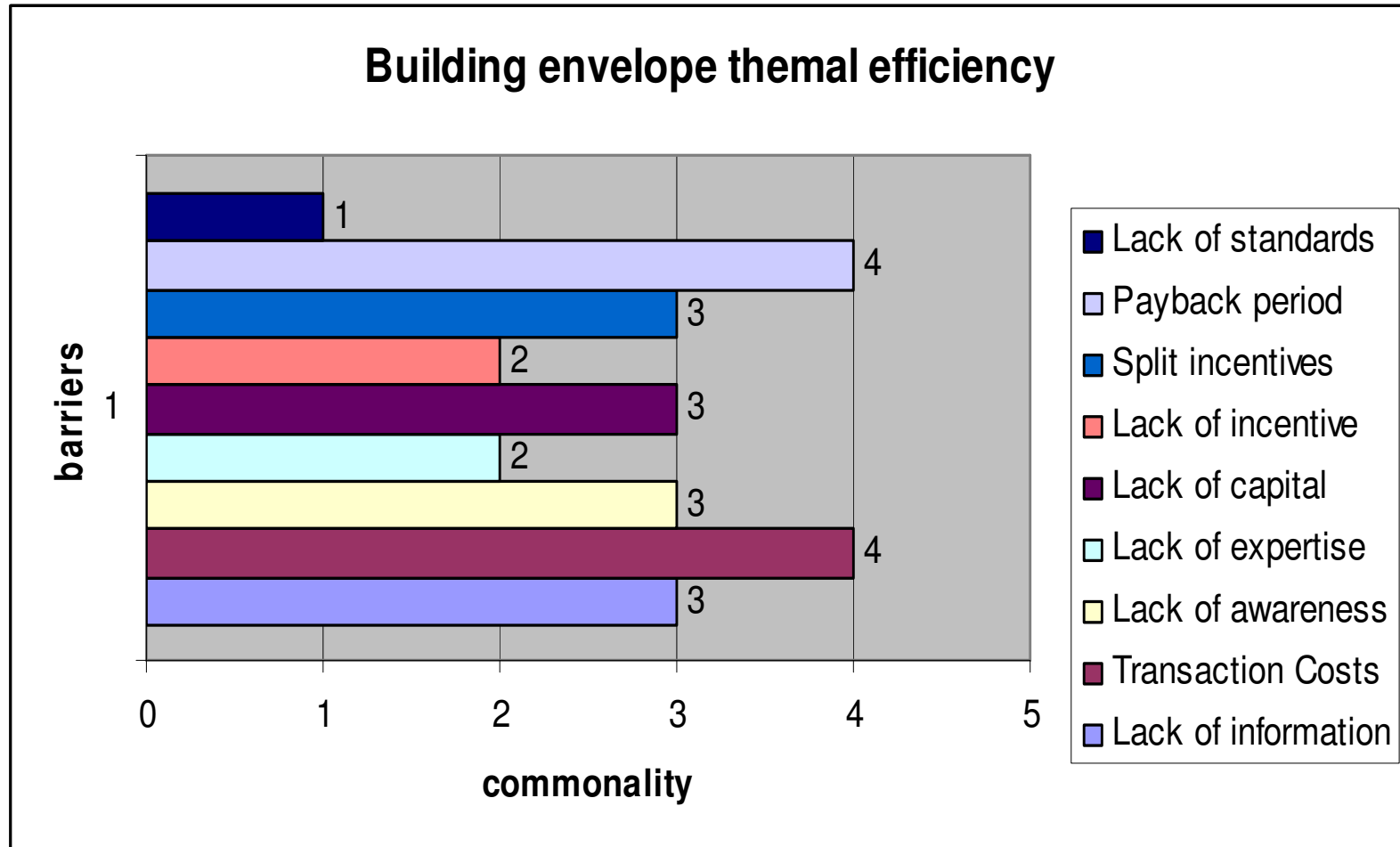
New homes/apartments – barriers



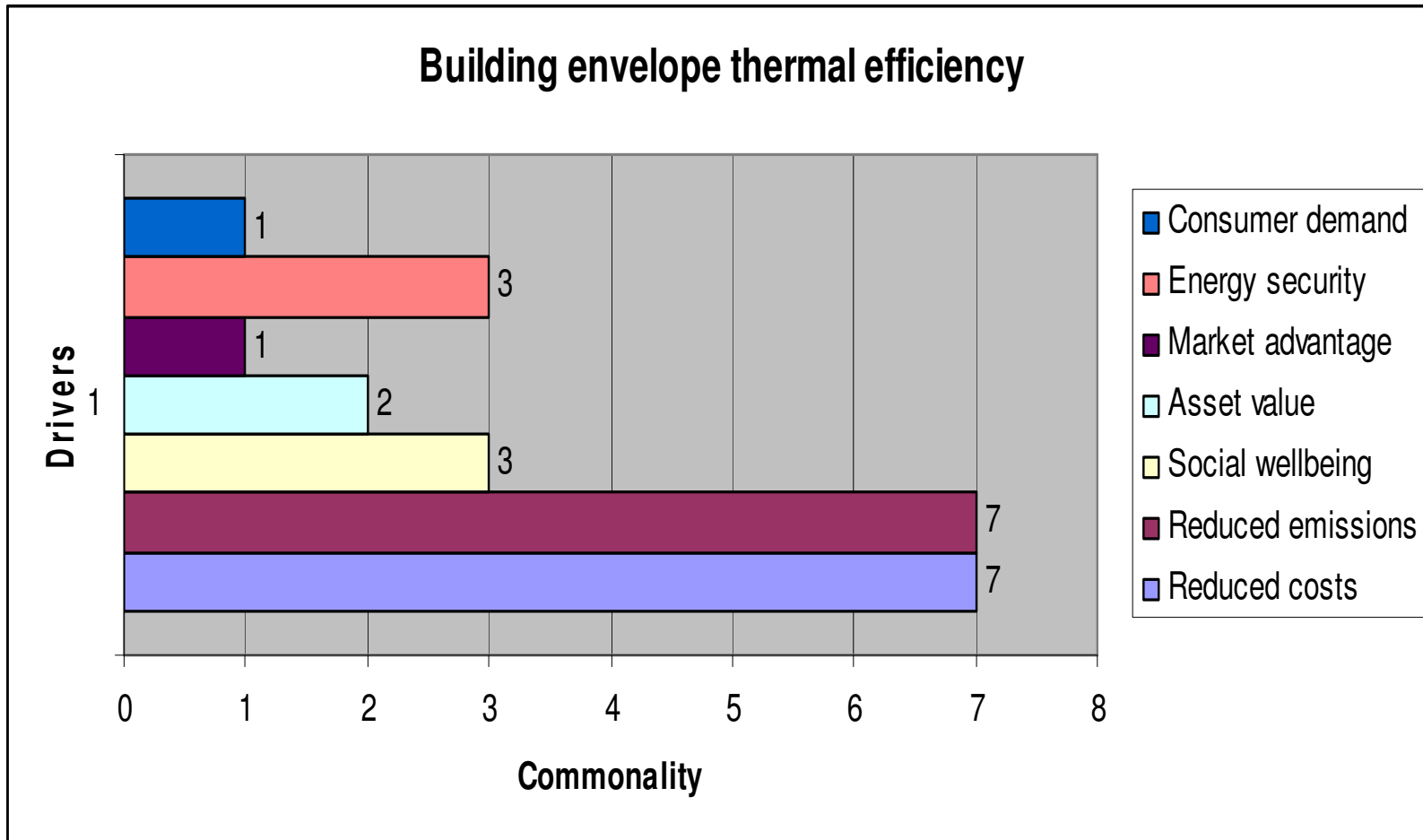
New homes/apartments – Drivers



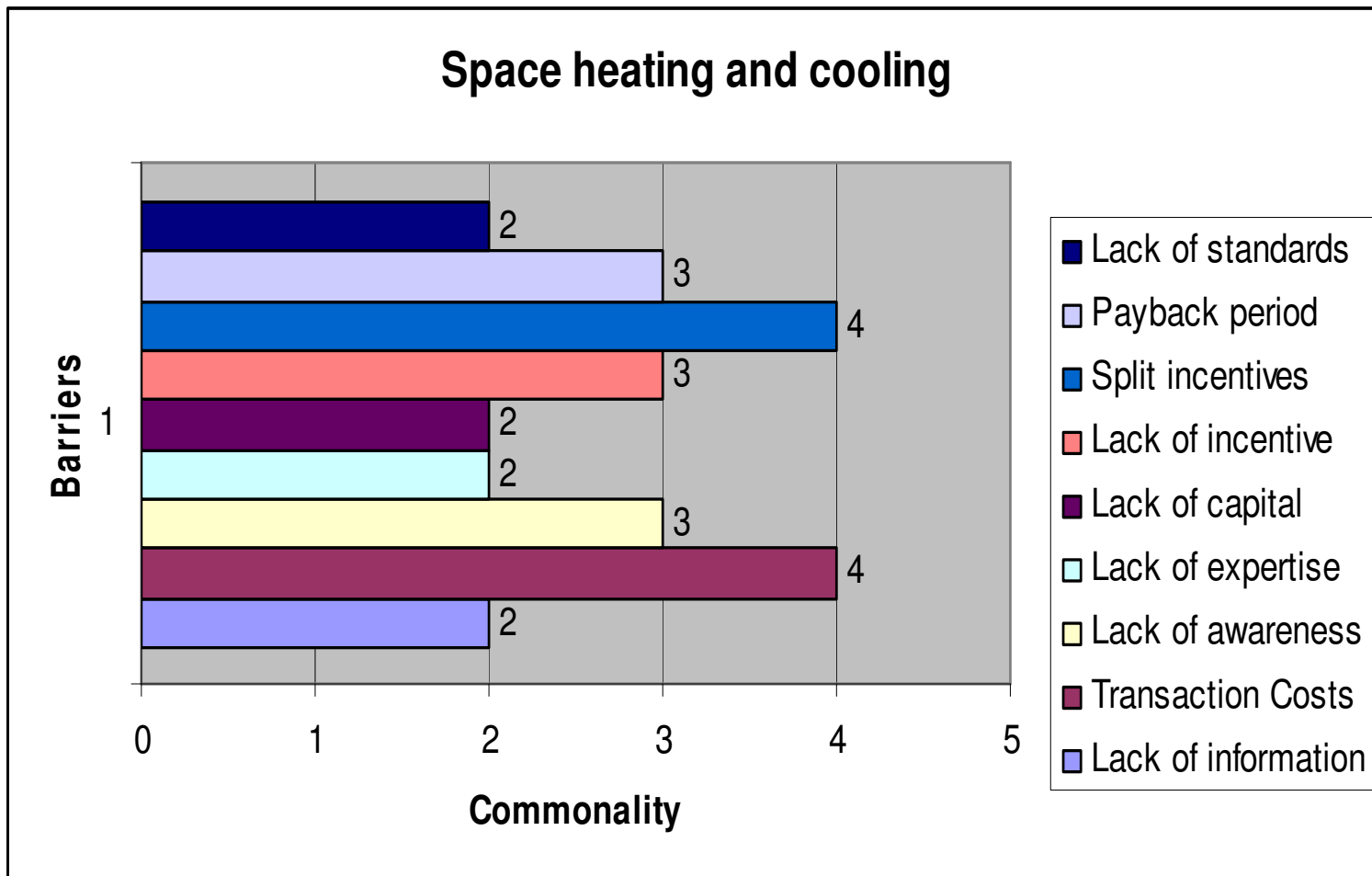
Building envelope efficiency – Barriers



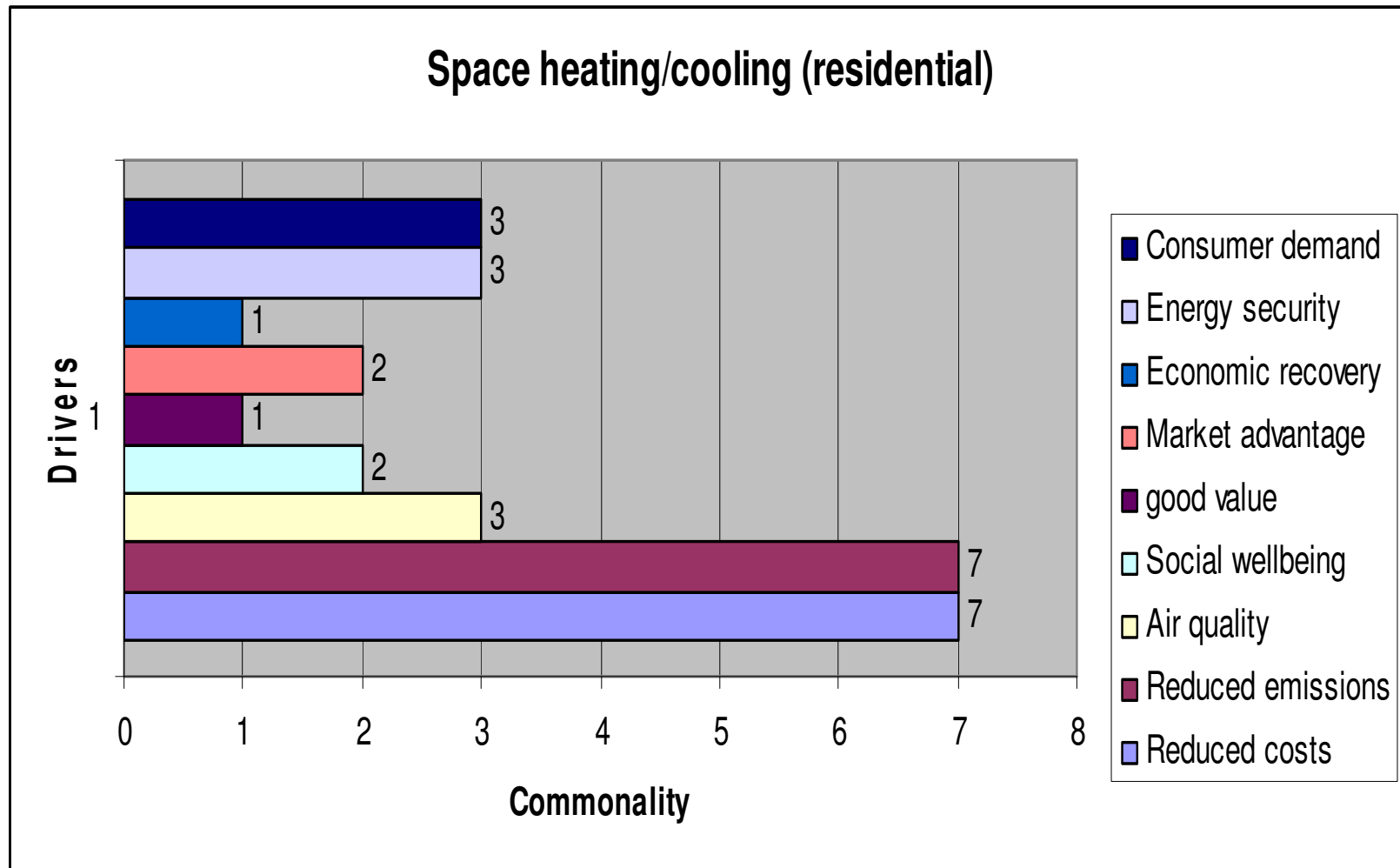
Building envelope efficiency – Drivers



Space heating/cooling – Barriers

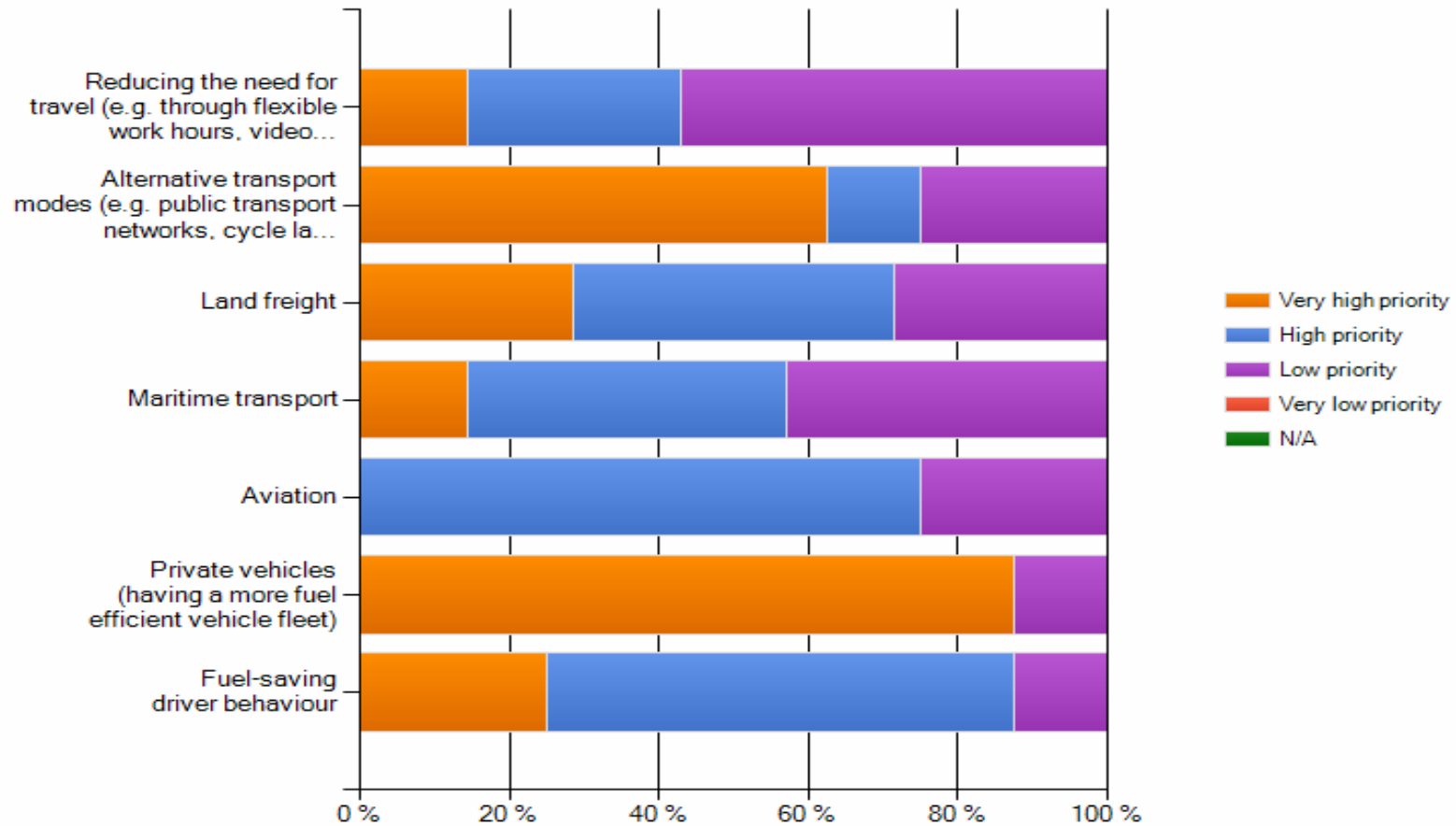


Space heating/cooling – Drivers



Transport sector priorities

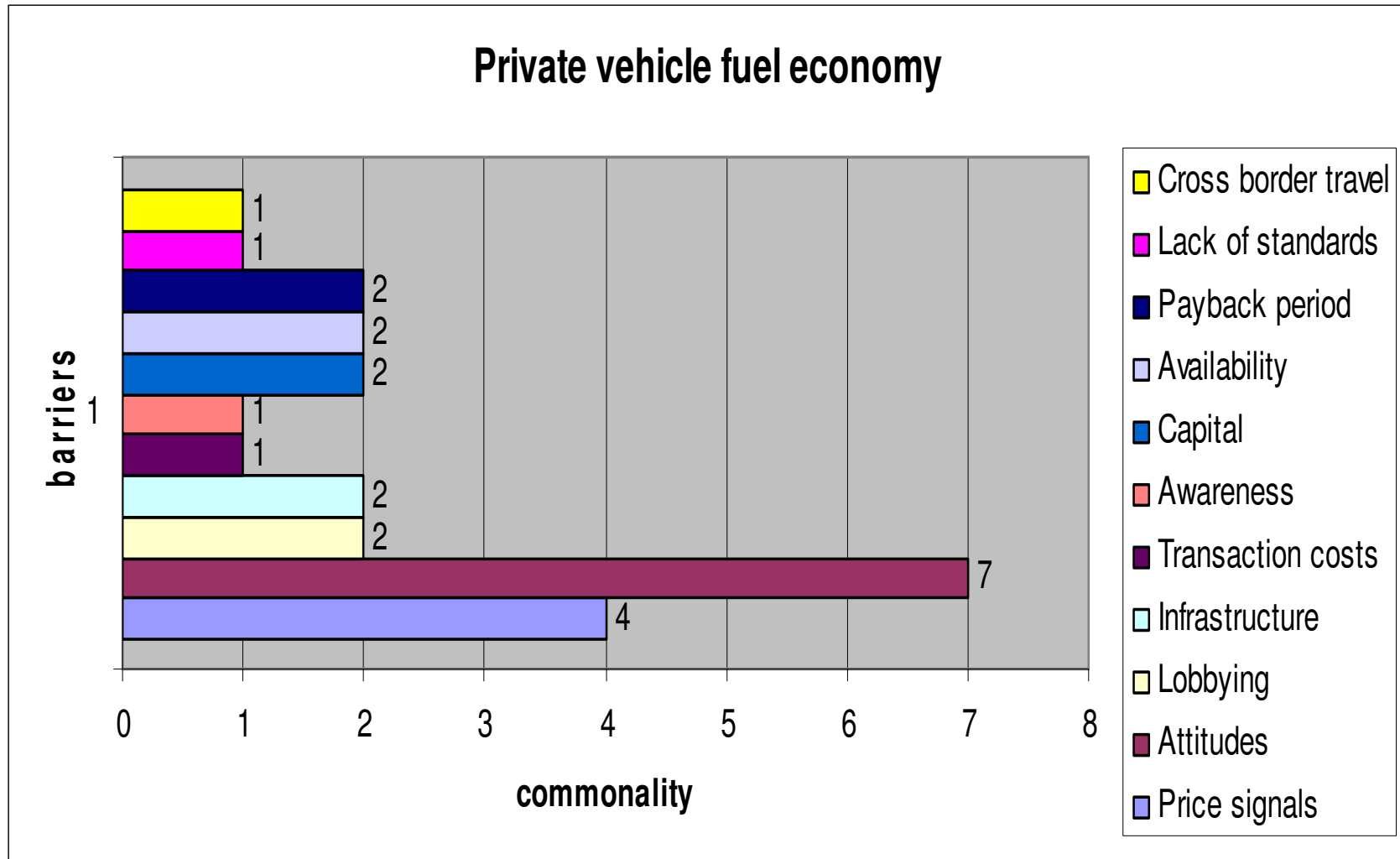
How important is each issue to central government in your economy? Please select a priority level from "very high" to "very low" priority.



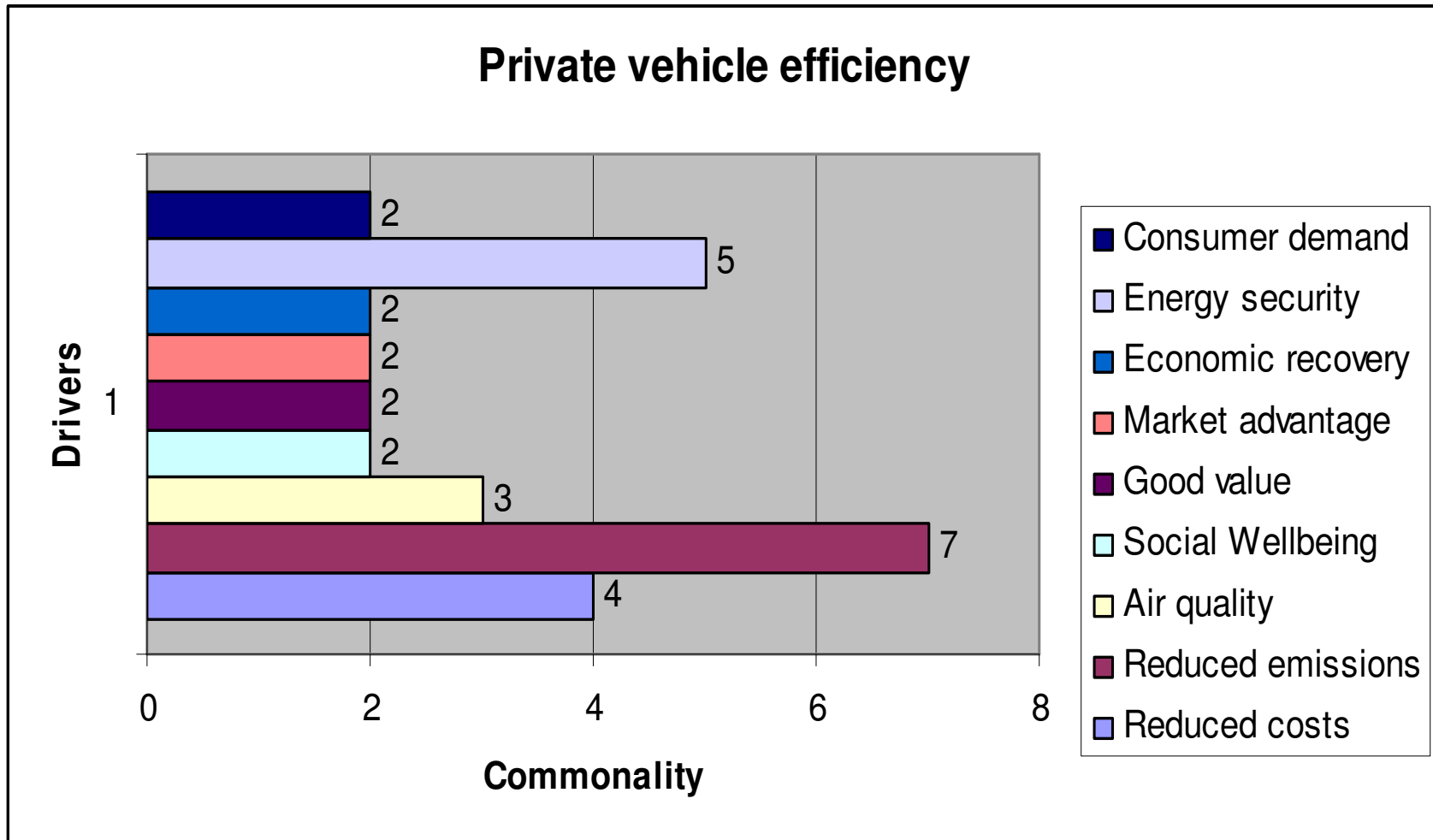
Transport sector priorities

1. Private vehicle fuel economy
2. Alternative transport modes
3. Fuel saving driver behaviour
4. Land freight energy efficiency
5. Aviation energy efficiency

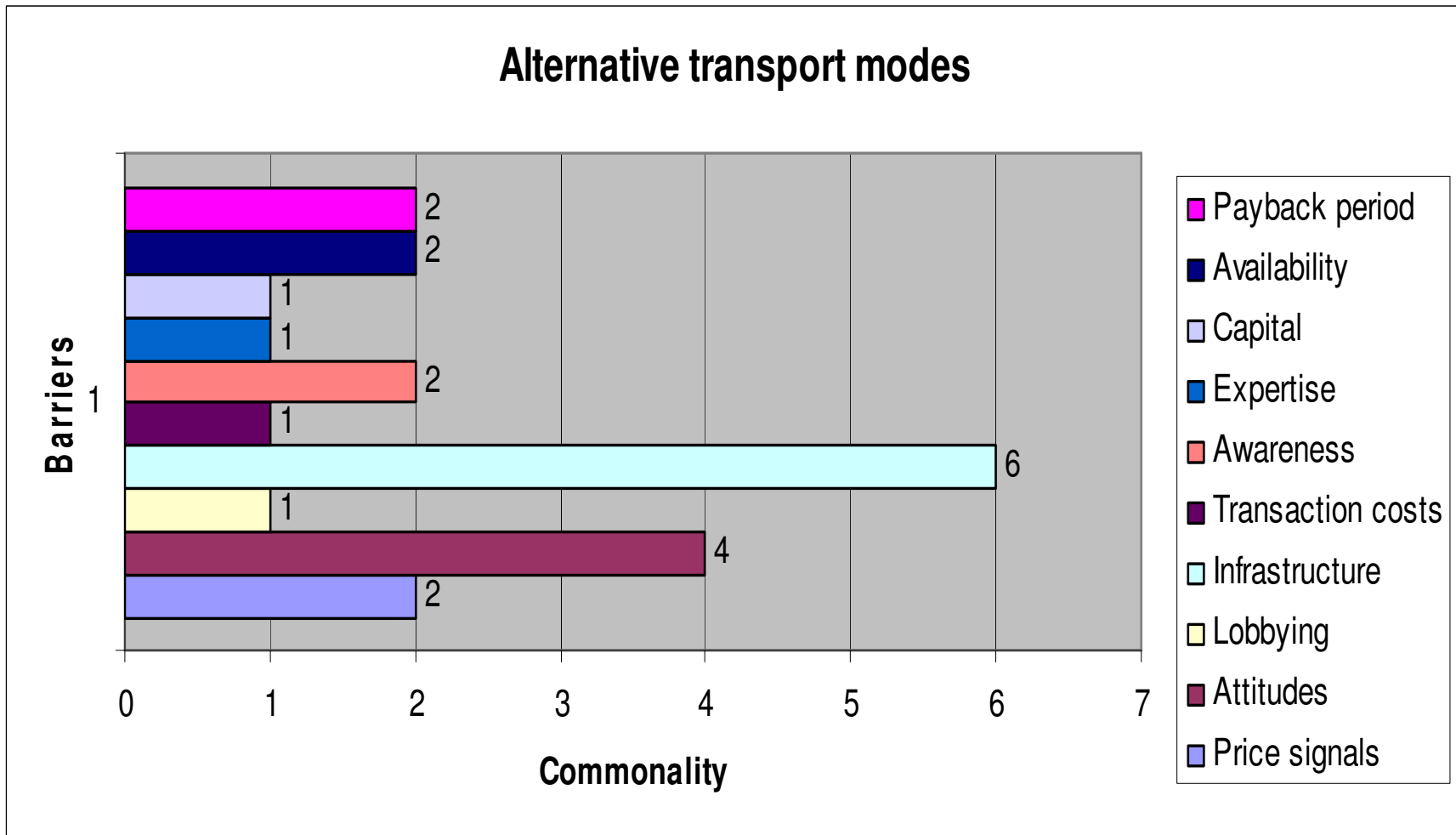
Private vehicle efficiency – Barriers



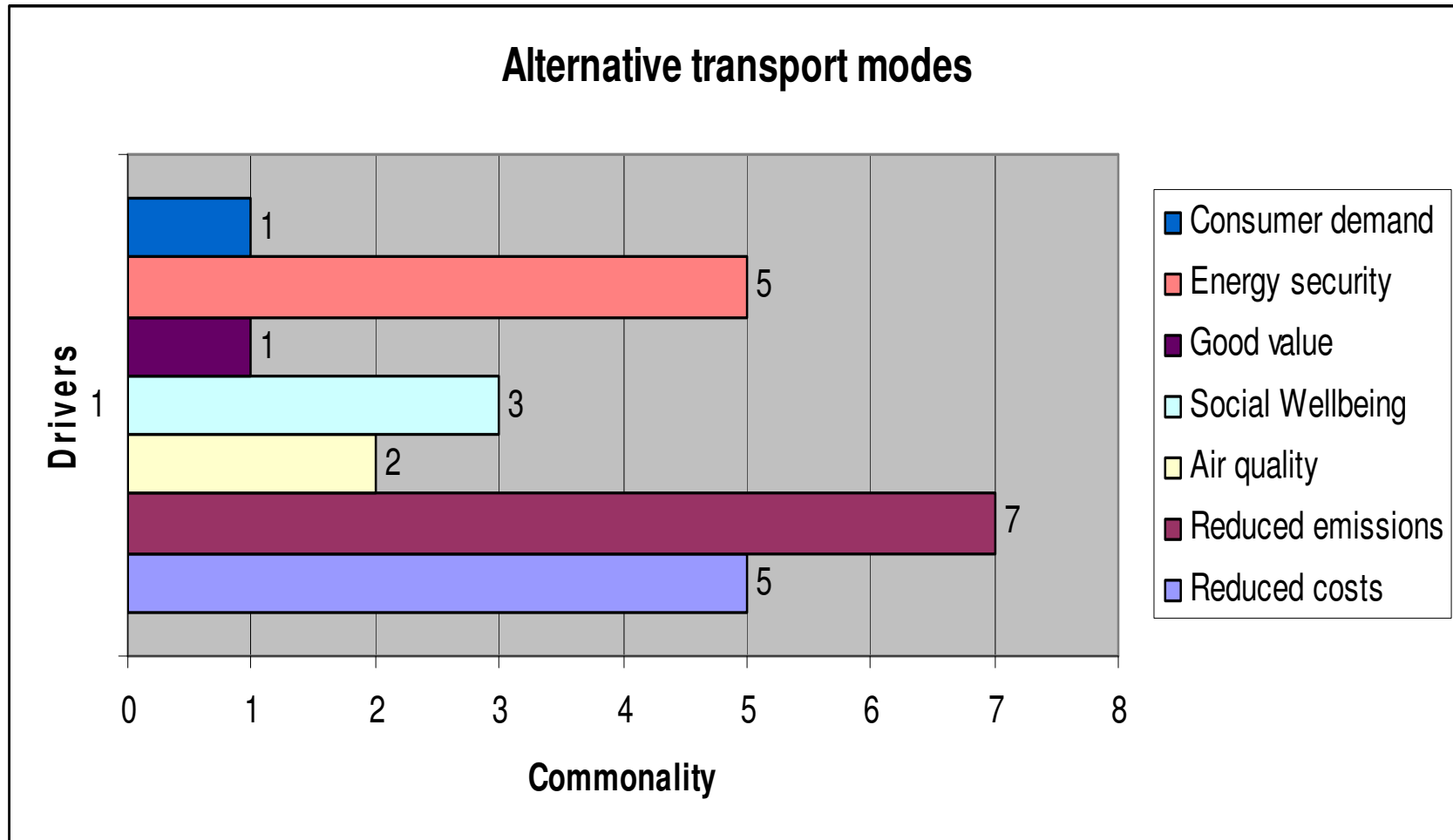
Private vehicle efficiency – Drivers



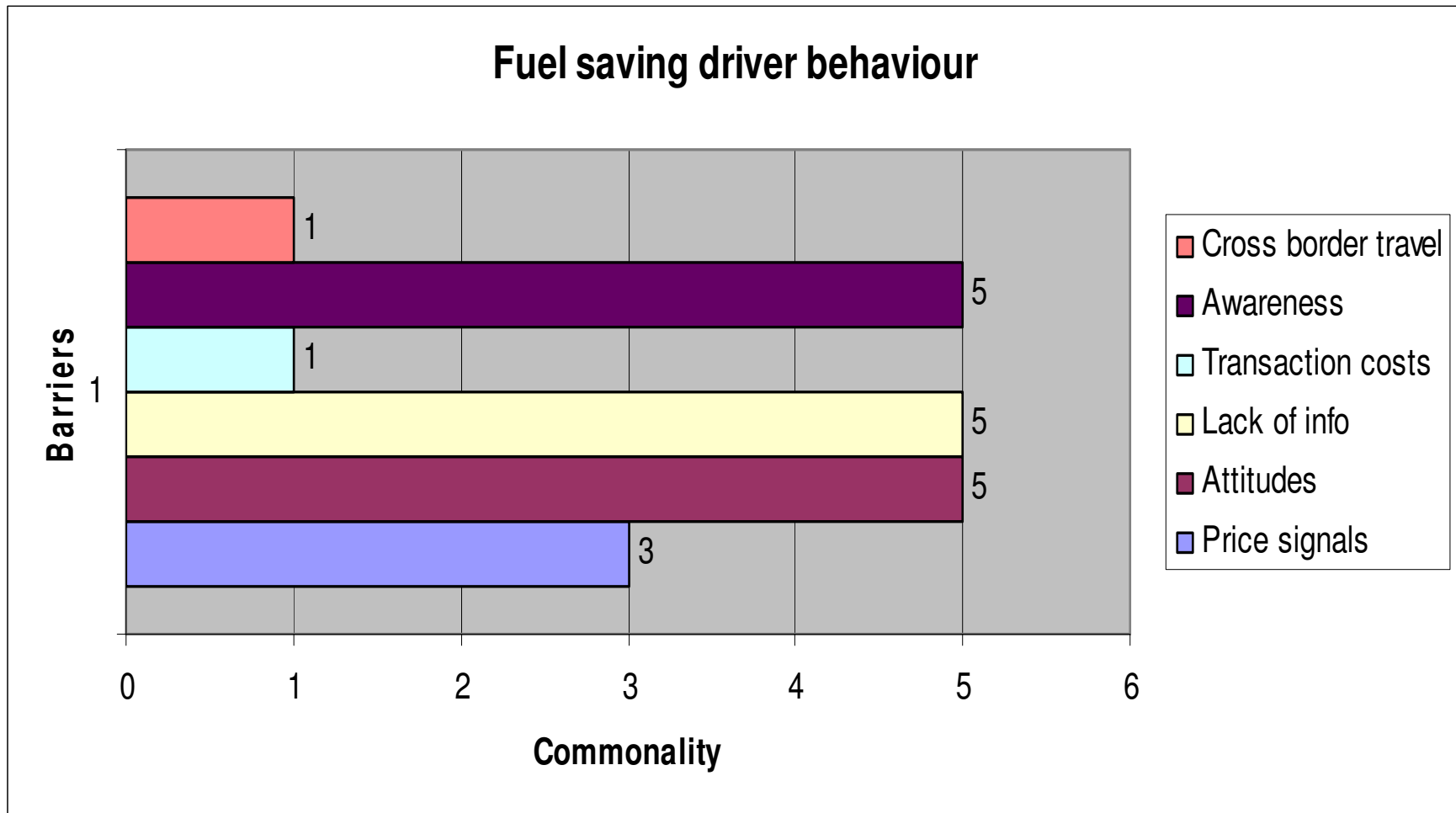
Alternative transport modes – Barriers



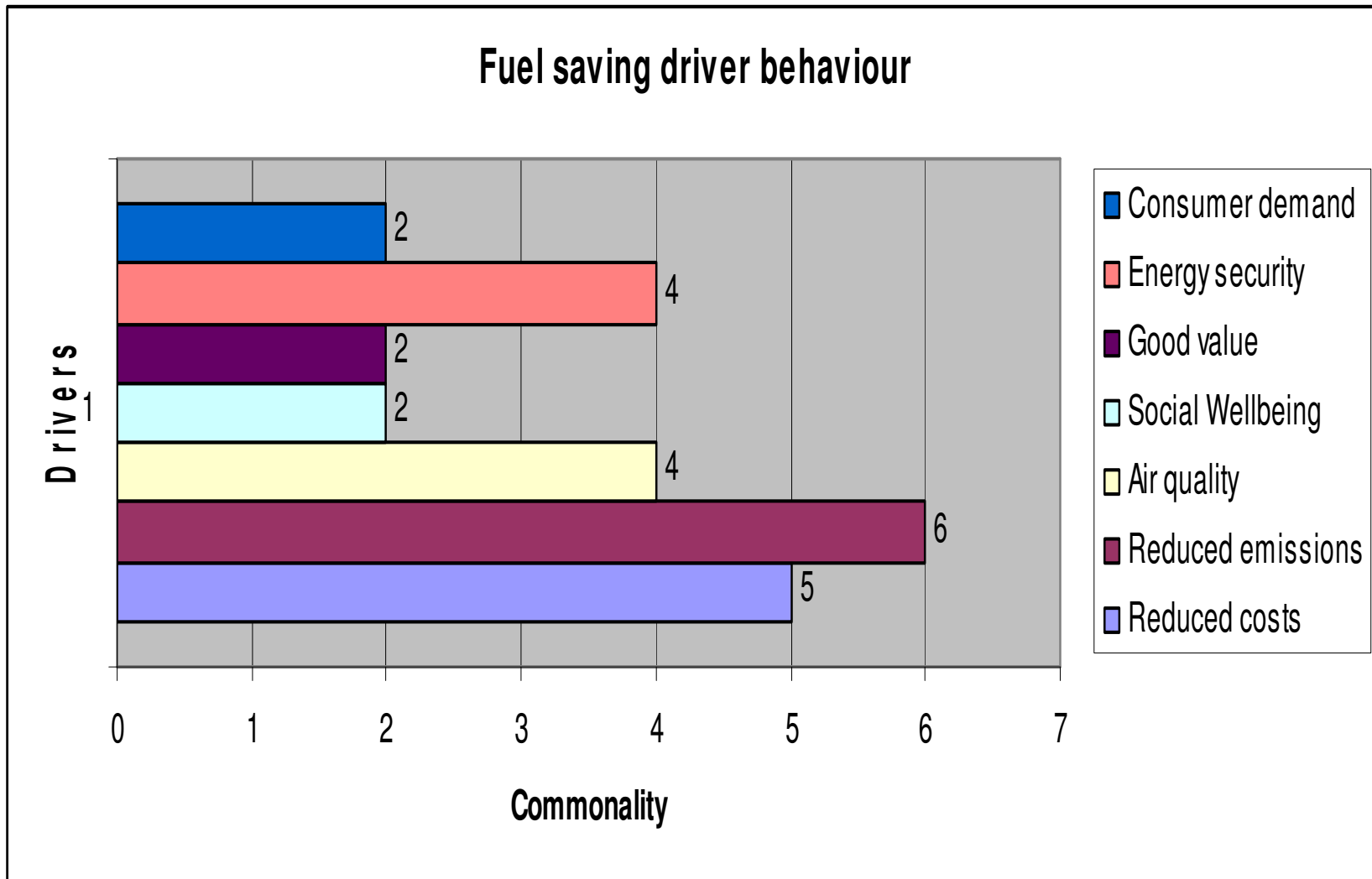
Alternative transport modes – Drivers



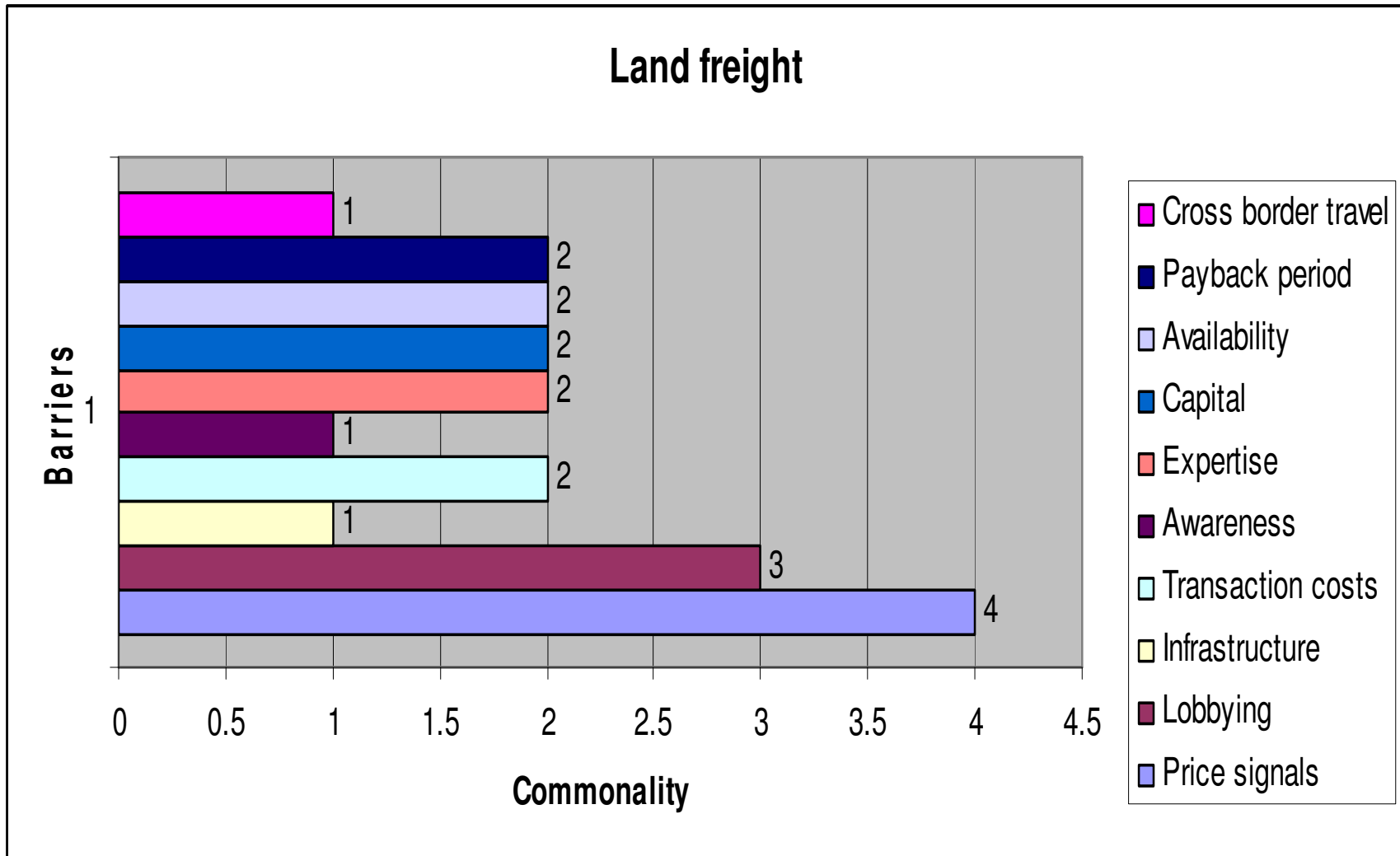
Fuel saving behaviour – Barriers



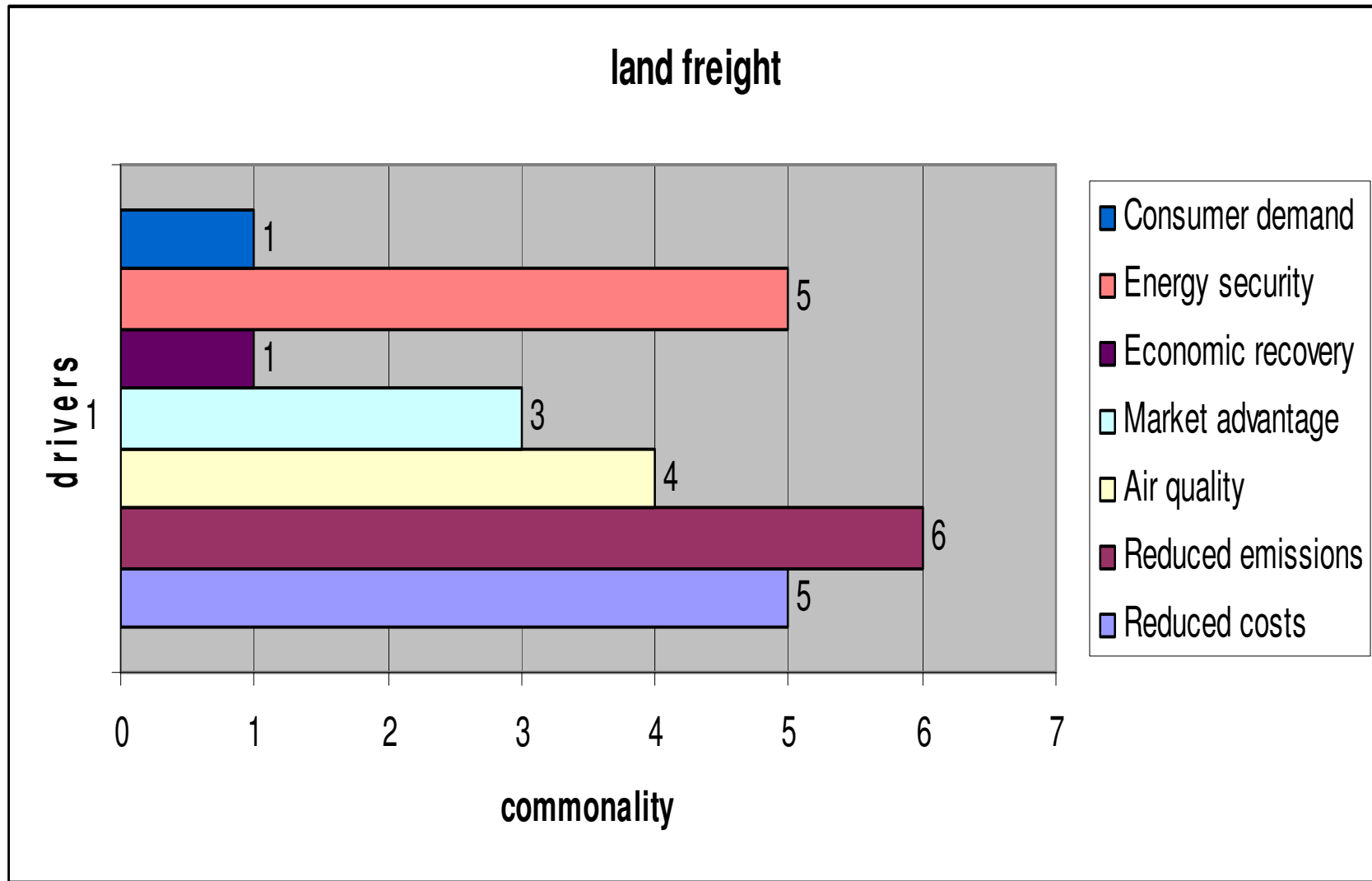
Fuel saving behaviour – Drivers



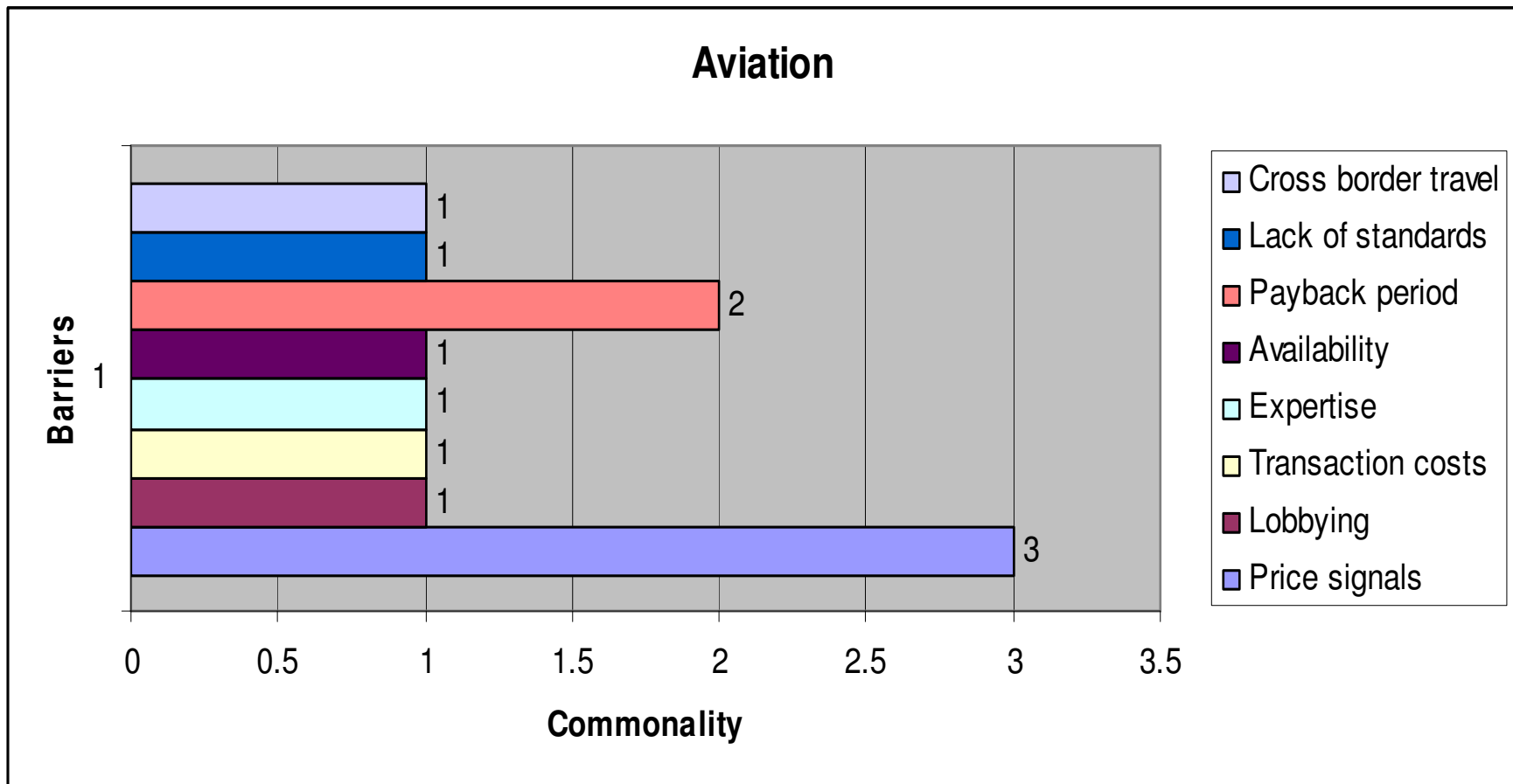
Land freight efficiency – Barriers



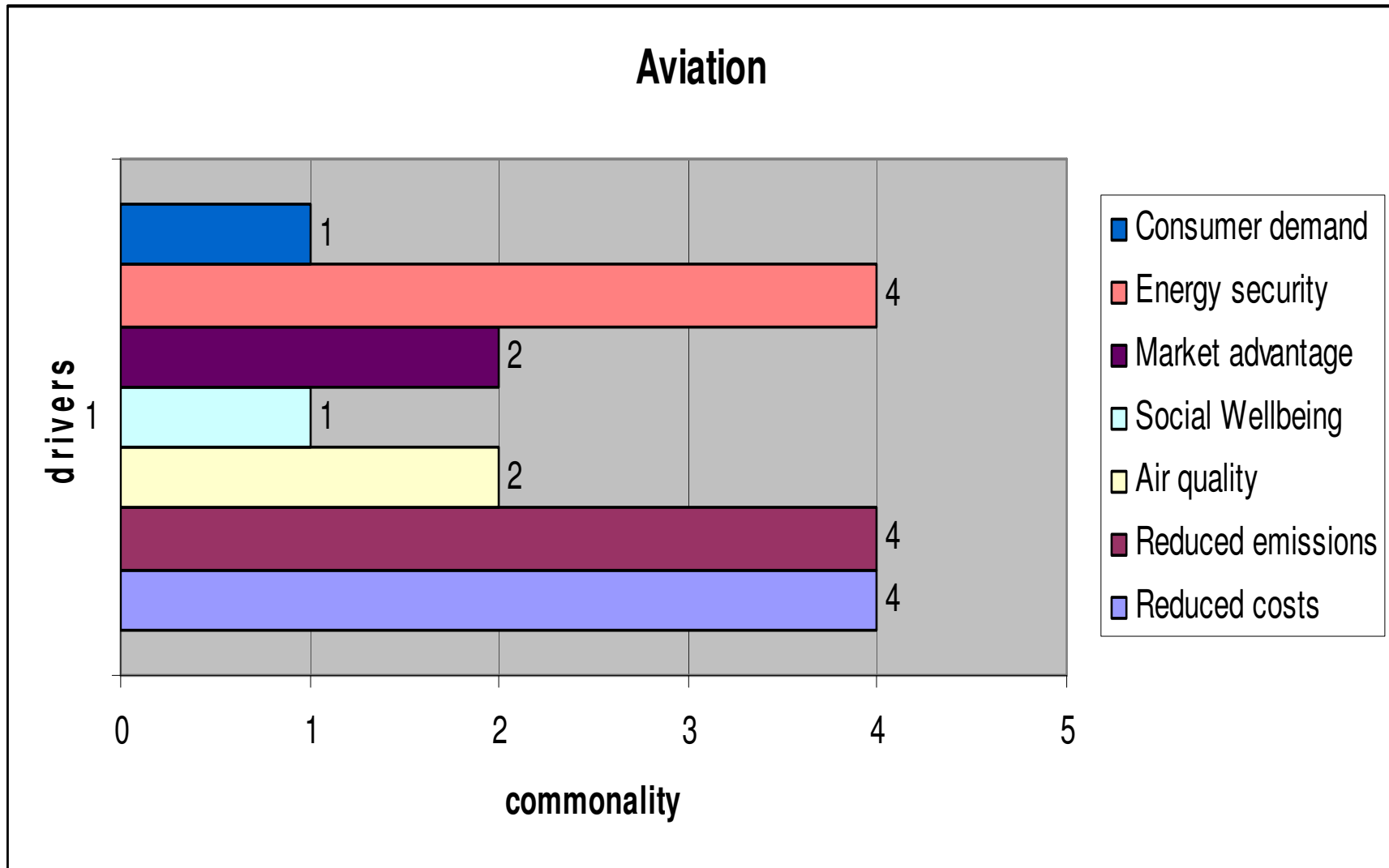
Land freight efficiency – Drivers



Aviation efficiency – Barriers

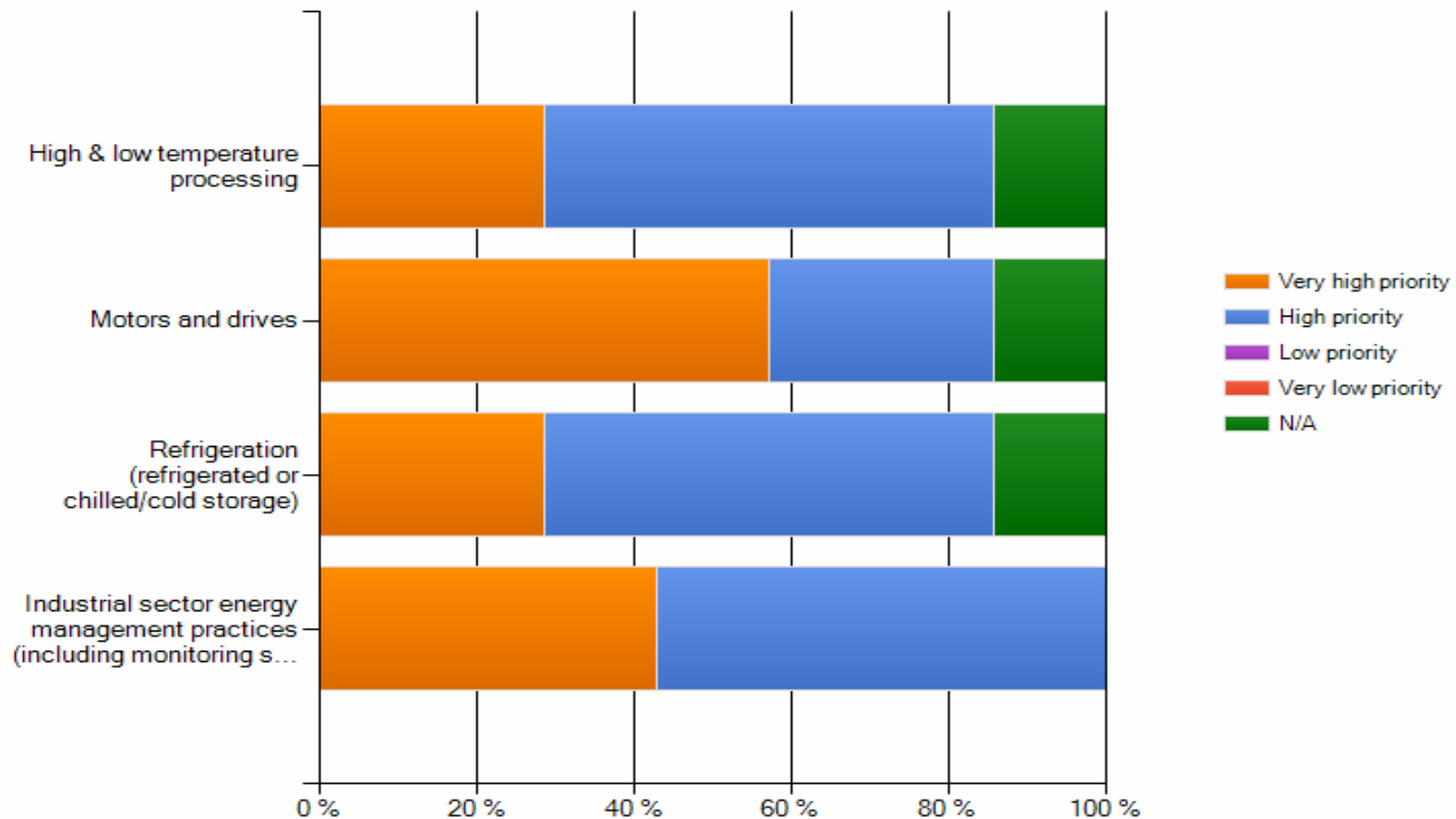


Aviation efficiency – Drivers



Business Sector Priorities – Industrial

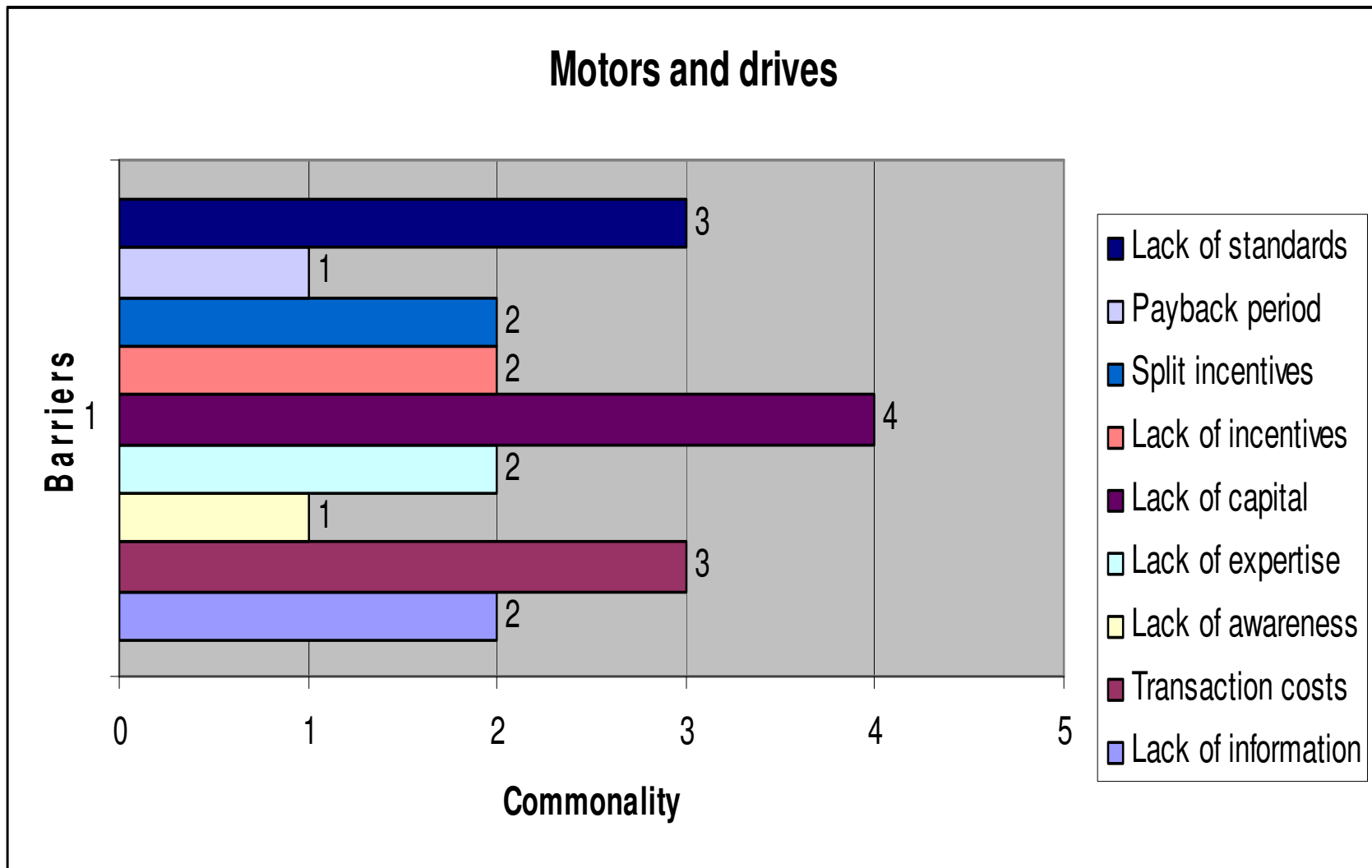
How important is each industrial issue for central government in your economy? Please select a priority level from "very high" to "very low" priority.



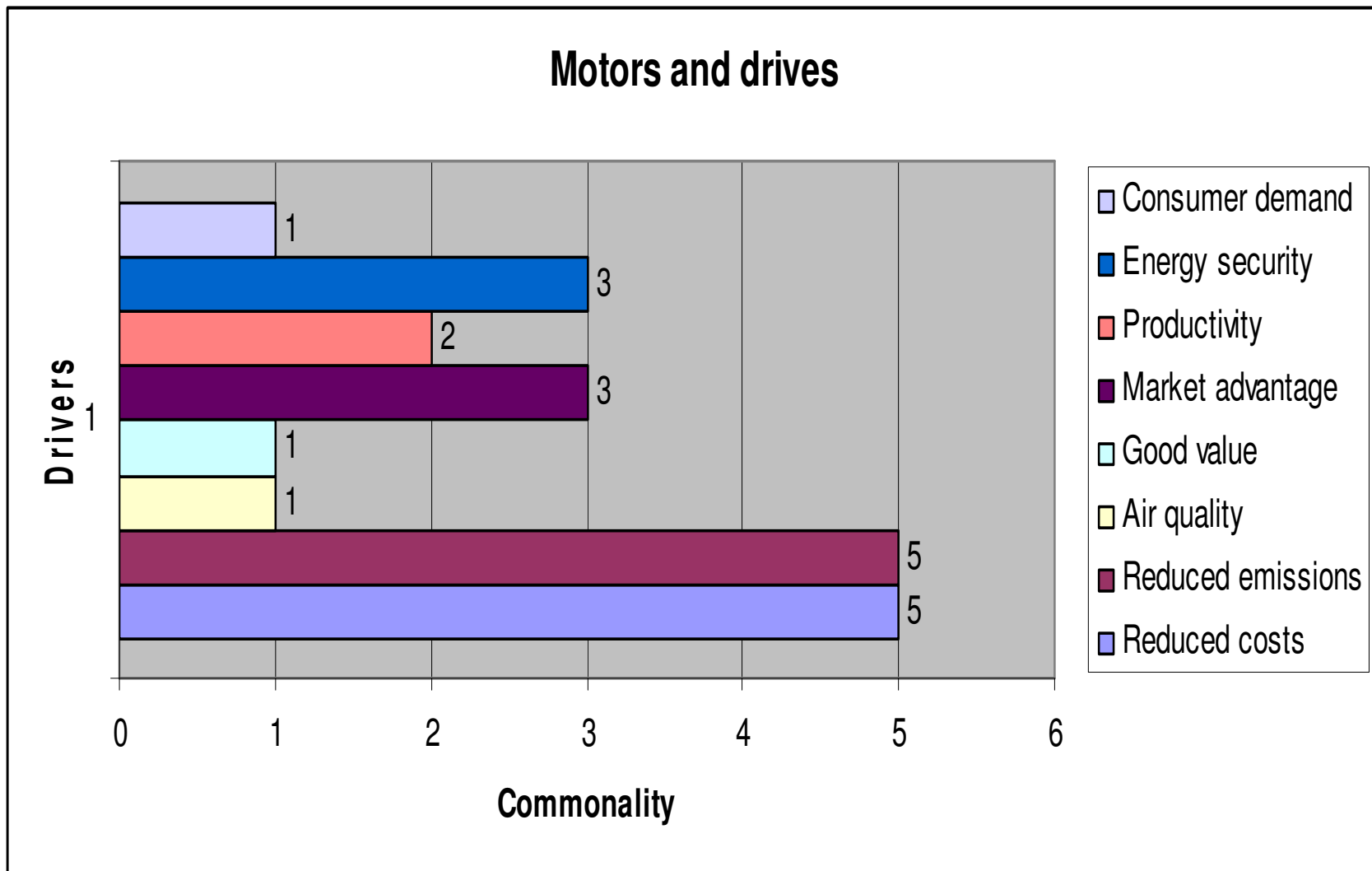
Business Sector Priorities – Industrial

1. Motors and drives (1)
2. Industrial sector energy management (1)
3. Refrigeration (2)
4. High and low temperature processing (2)

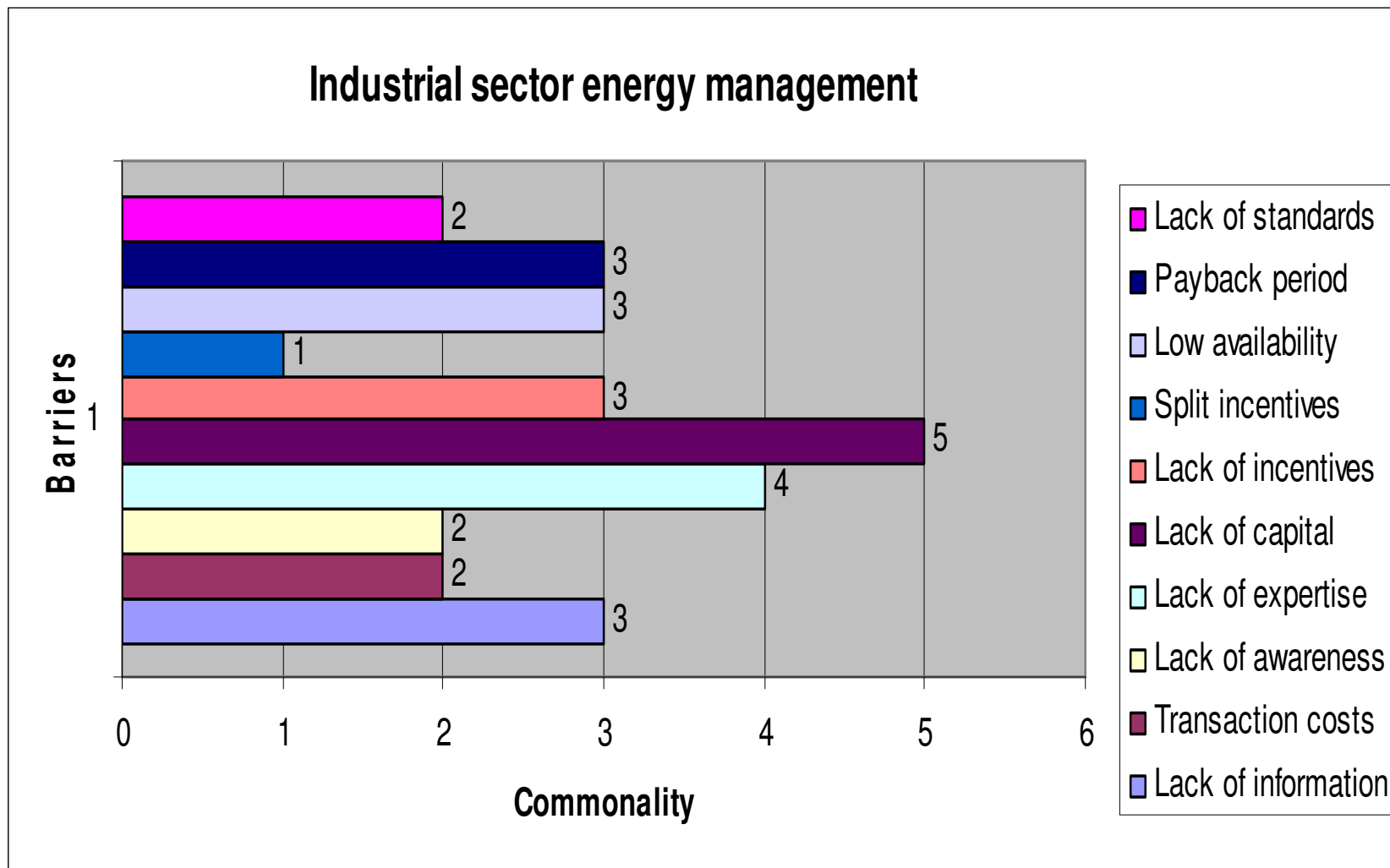
Motors and drives – Barriers



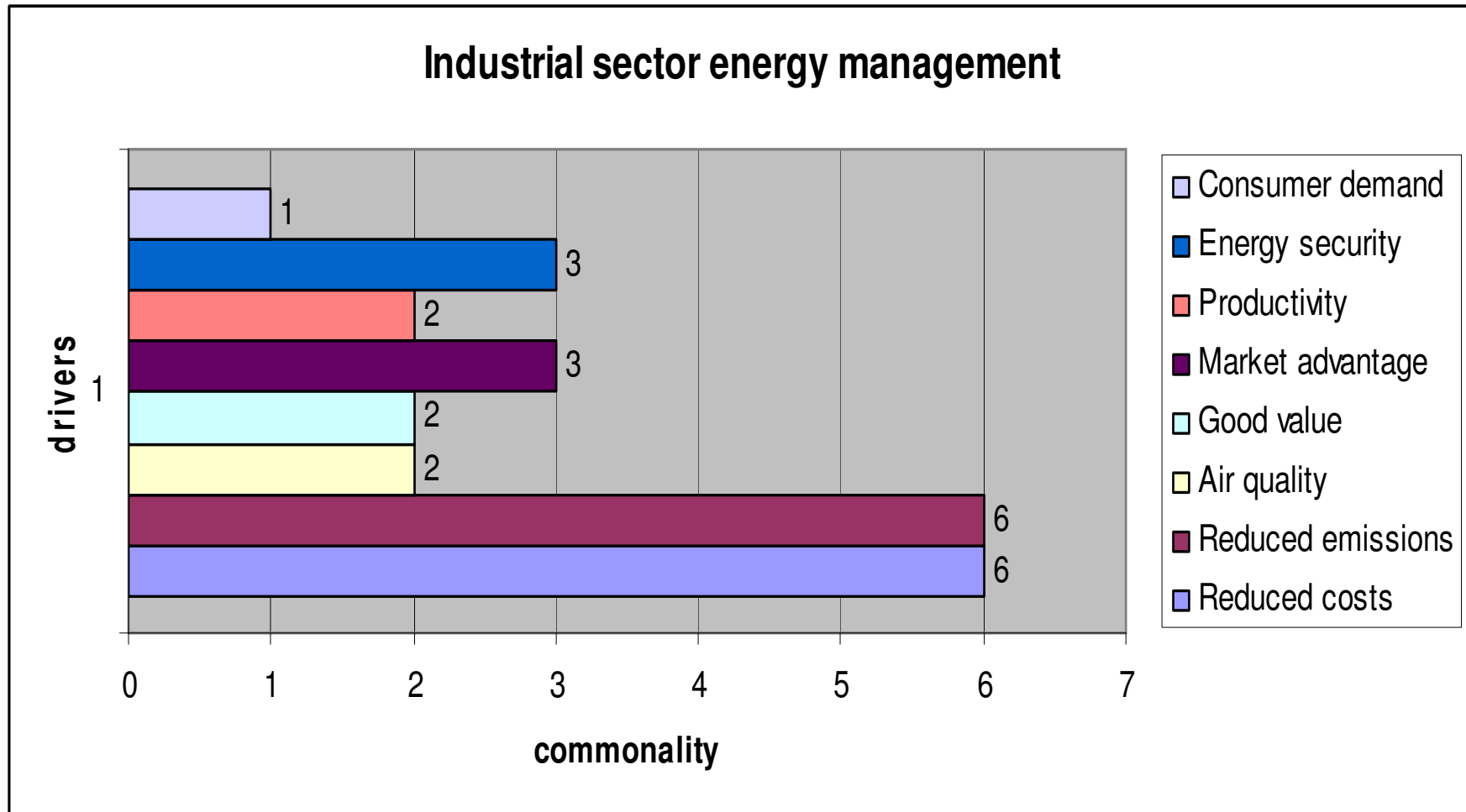
Motors and drives – Drivers



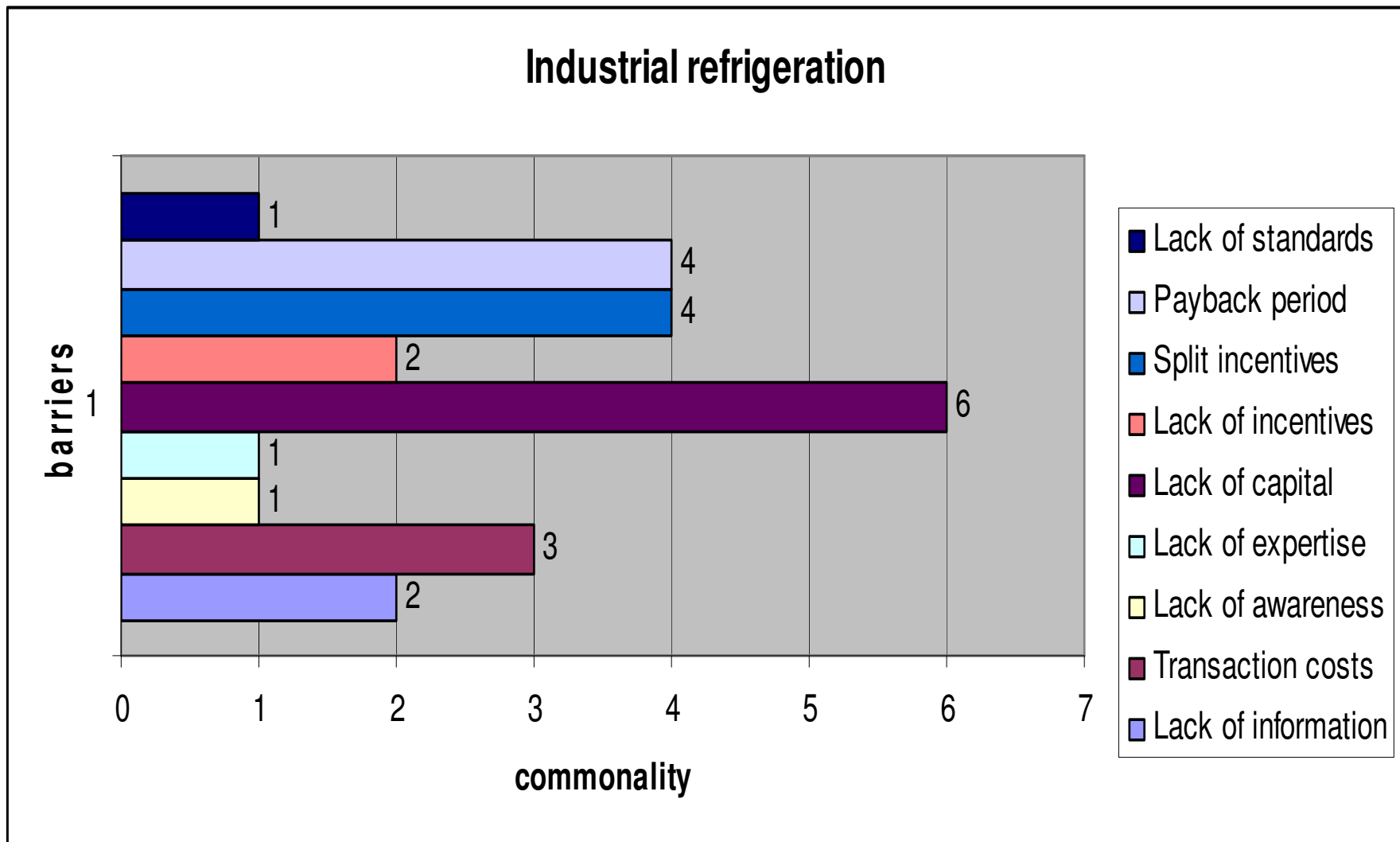
Industrial sector energy management – Barriers



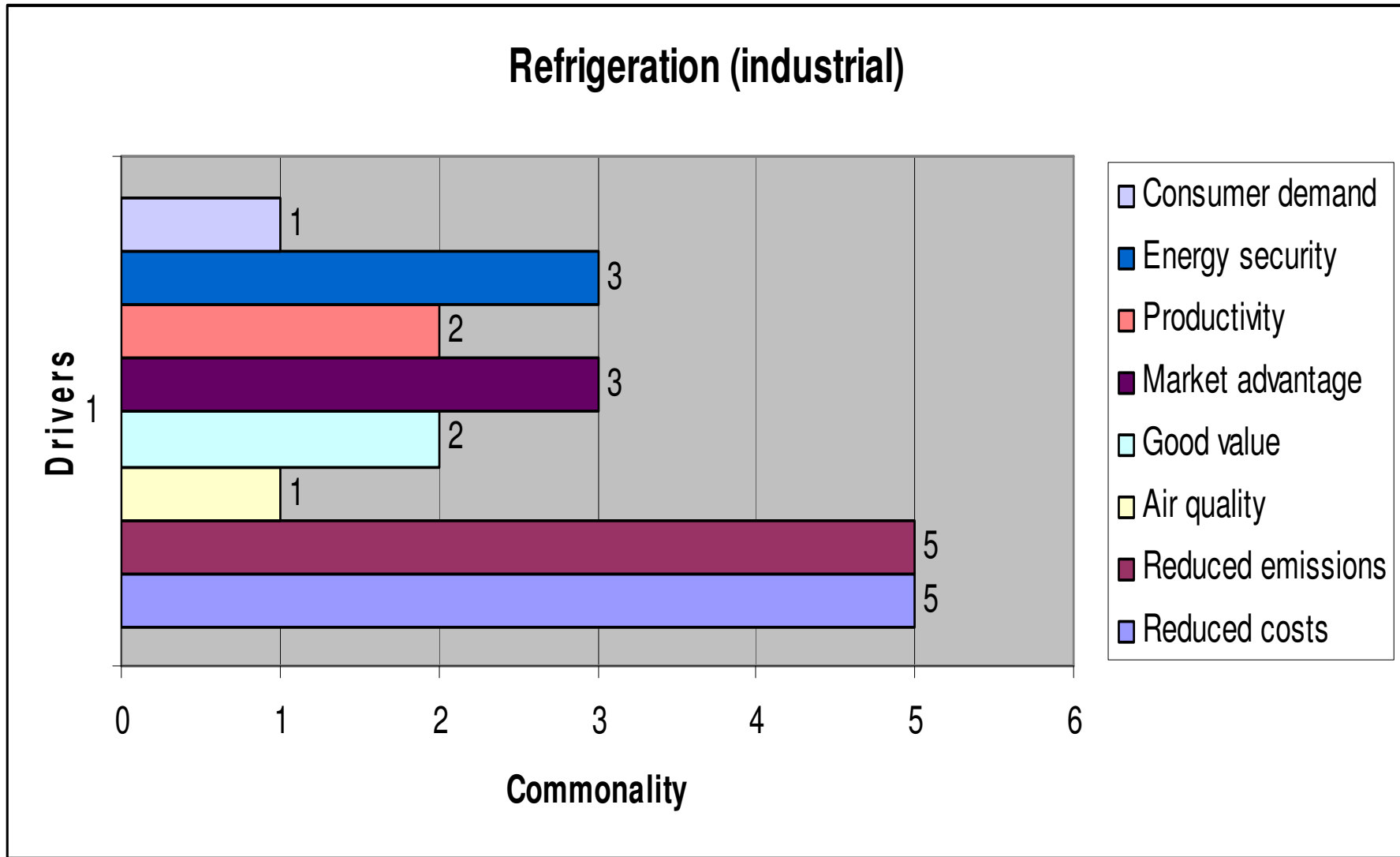
Industrial sector energy management – Drivers



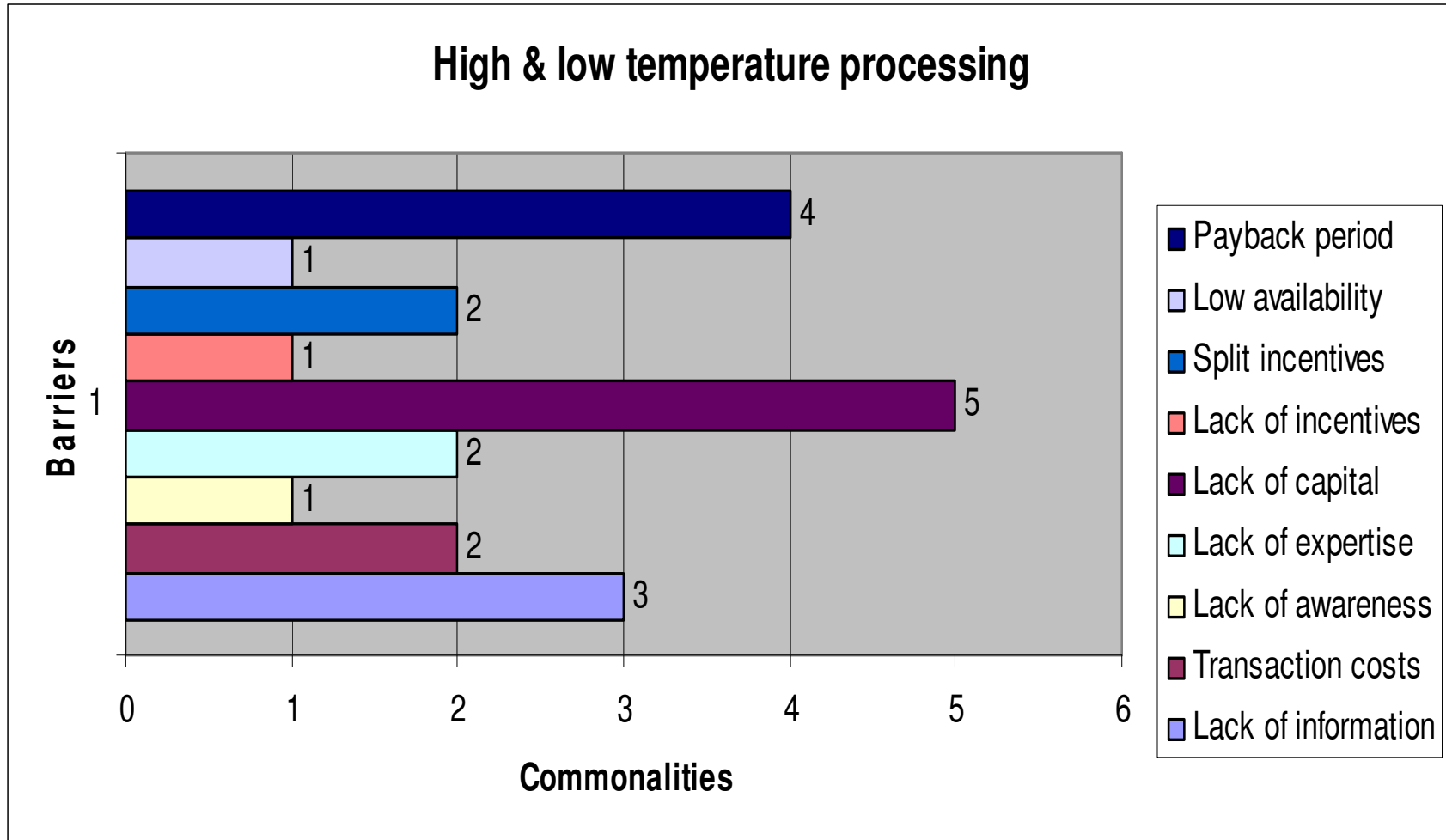
Industrial refrigeration – Barriers



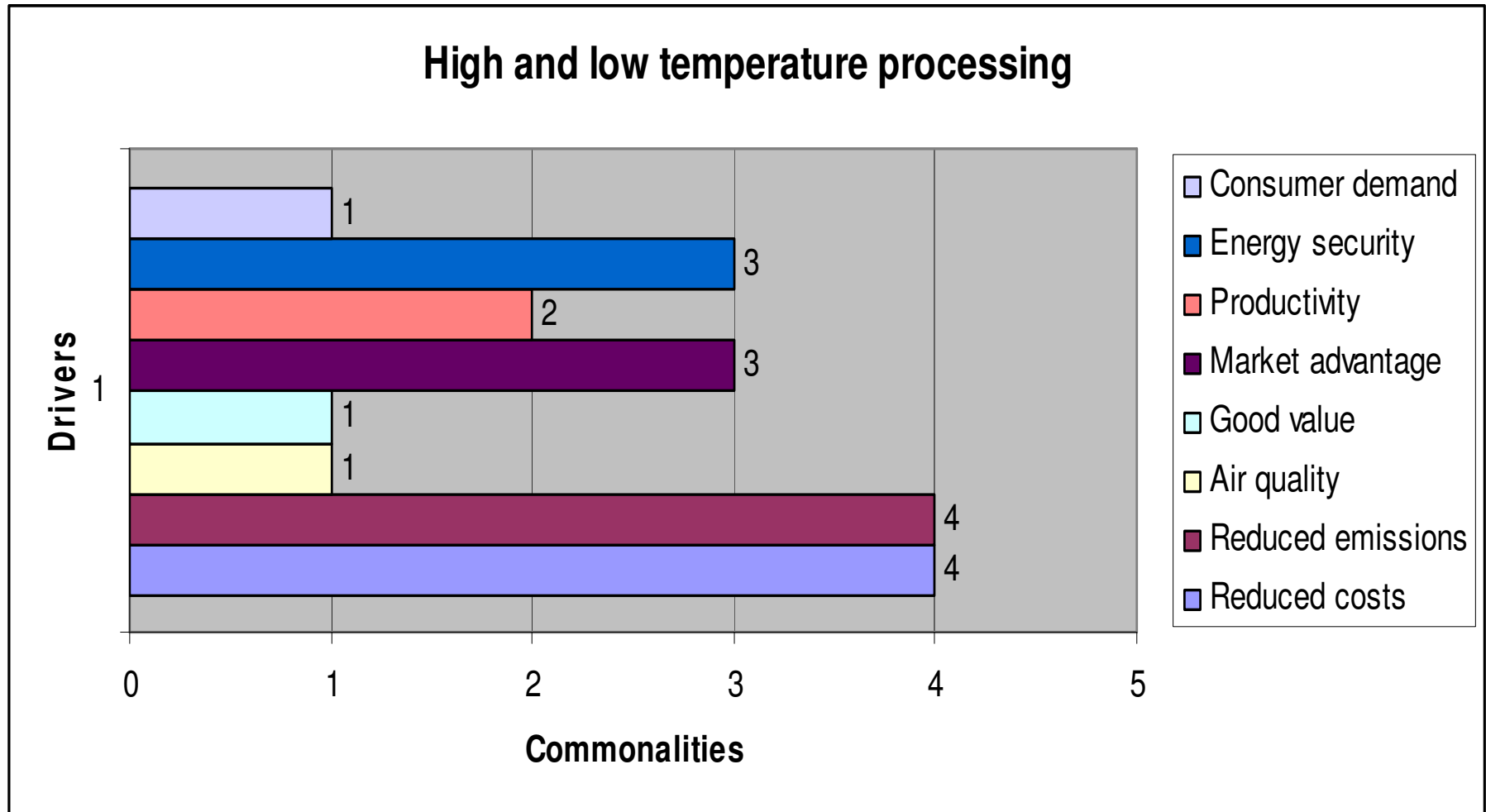
Industrial refrigeration – Drivers



High and low temperature processing – Drivers

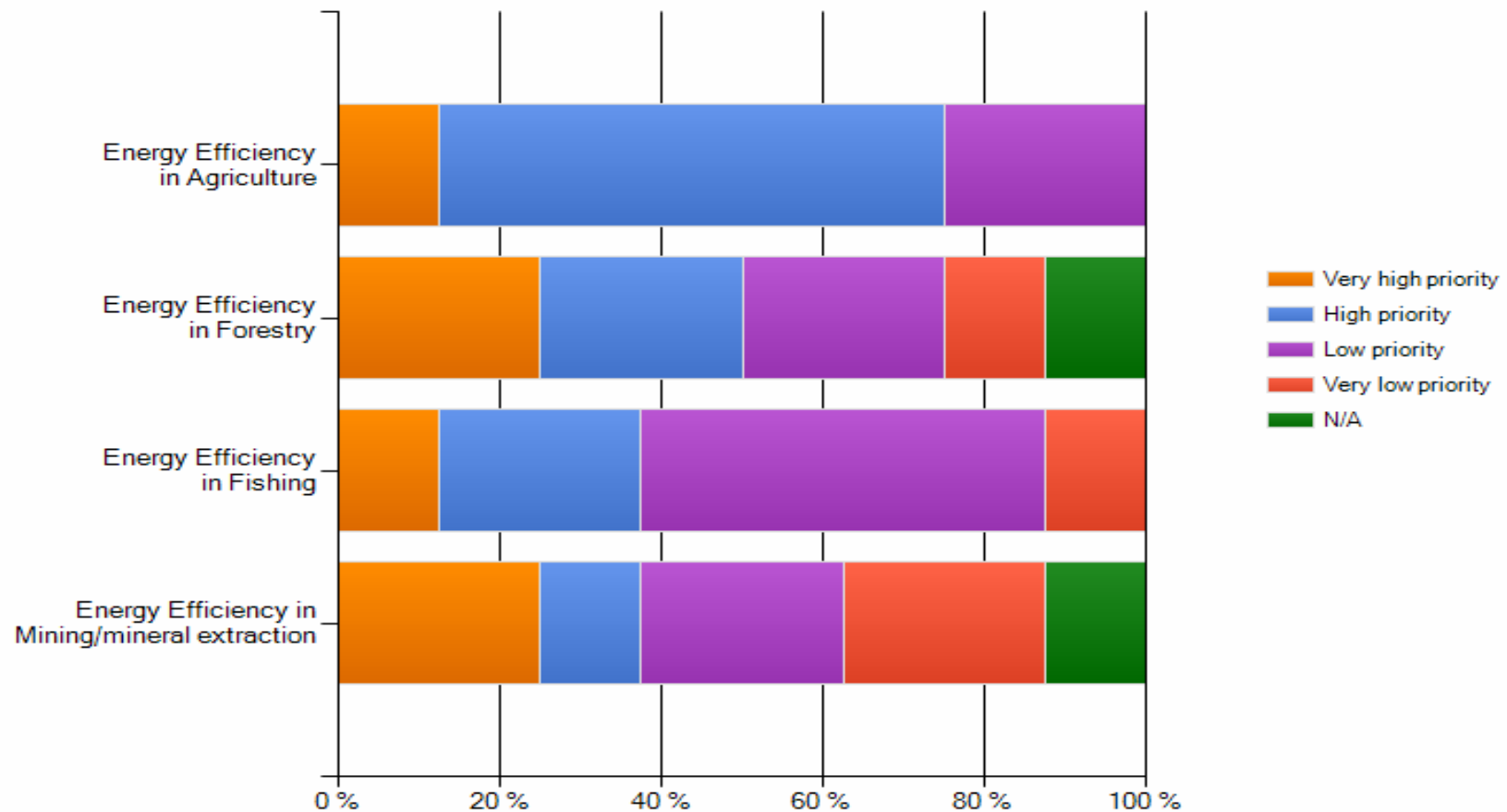


High and low temperature processing - Drivers

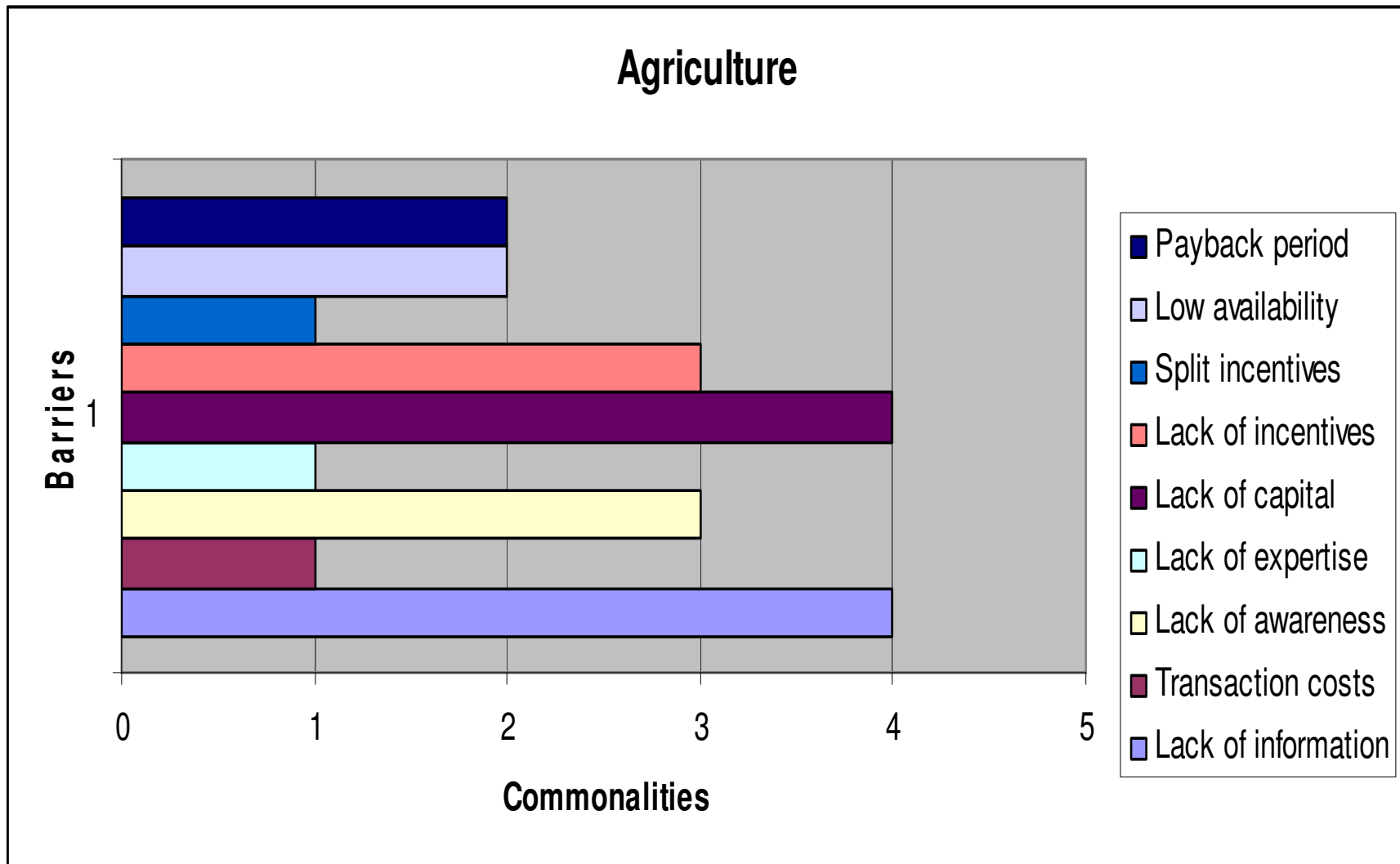


Primary production priorities

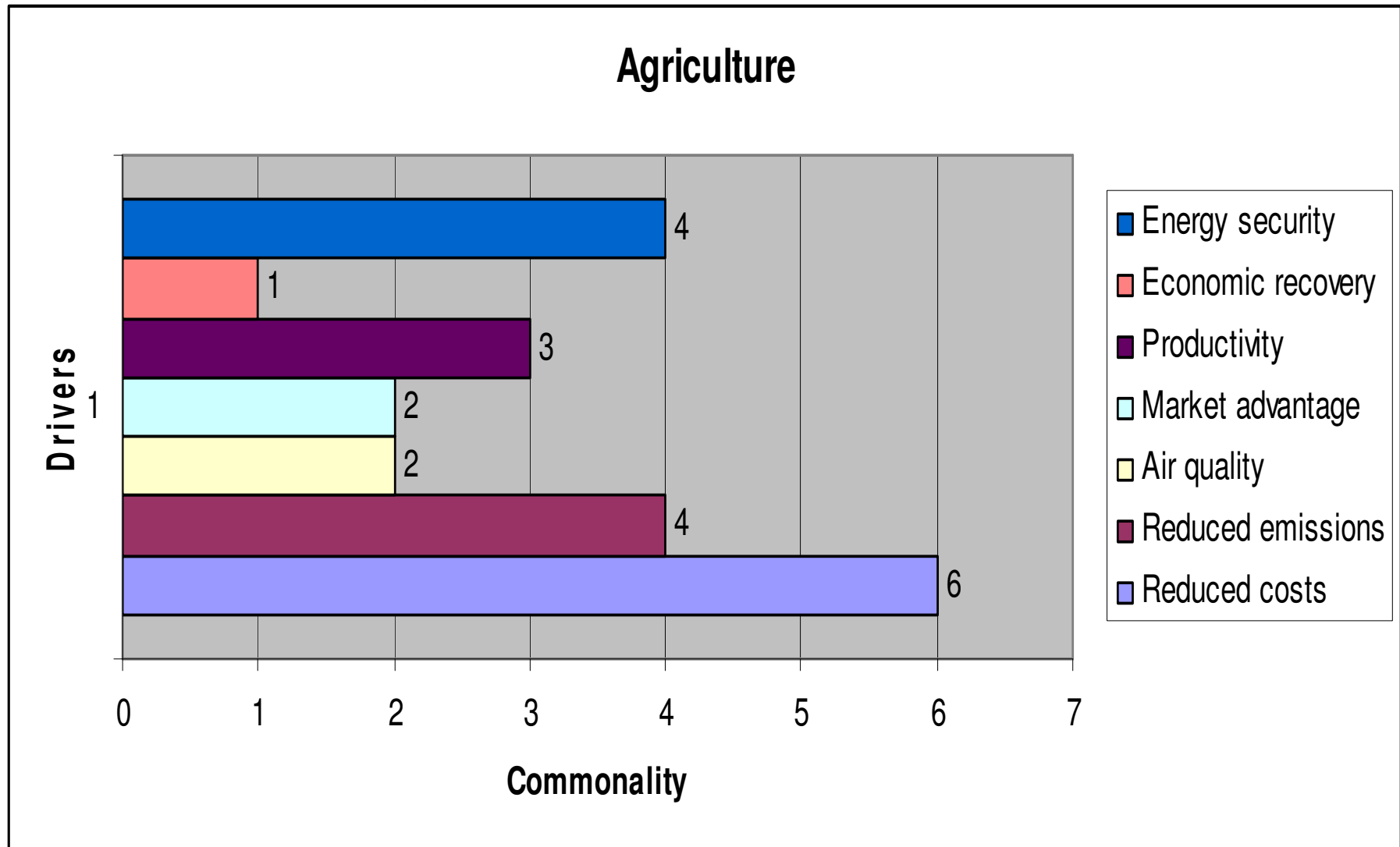
How important is each primary production issue to for central government in your economy? Please select a priority level from "very high" to "very low" priority.



Agriculture Barriers

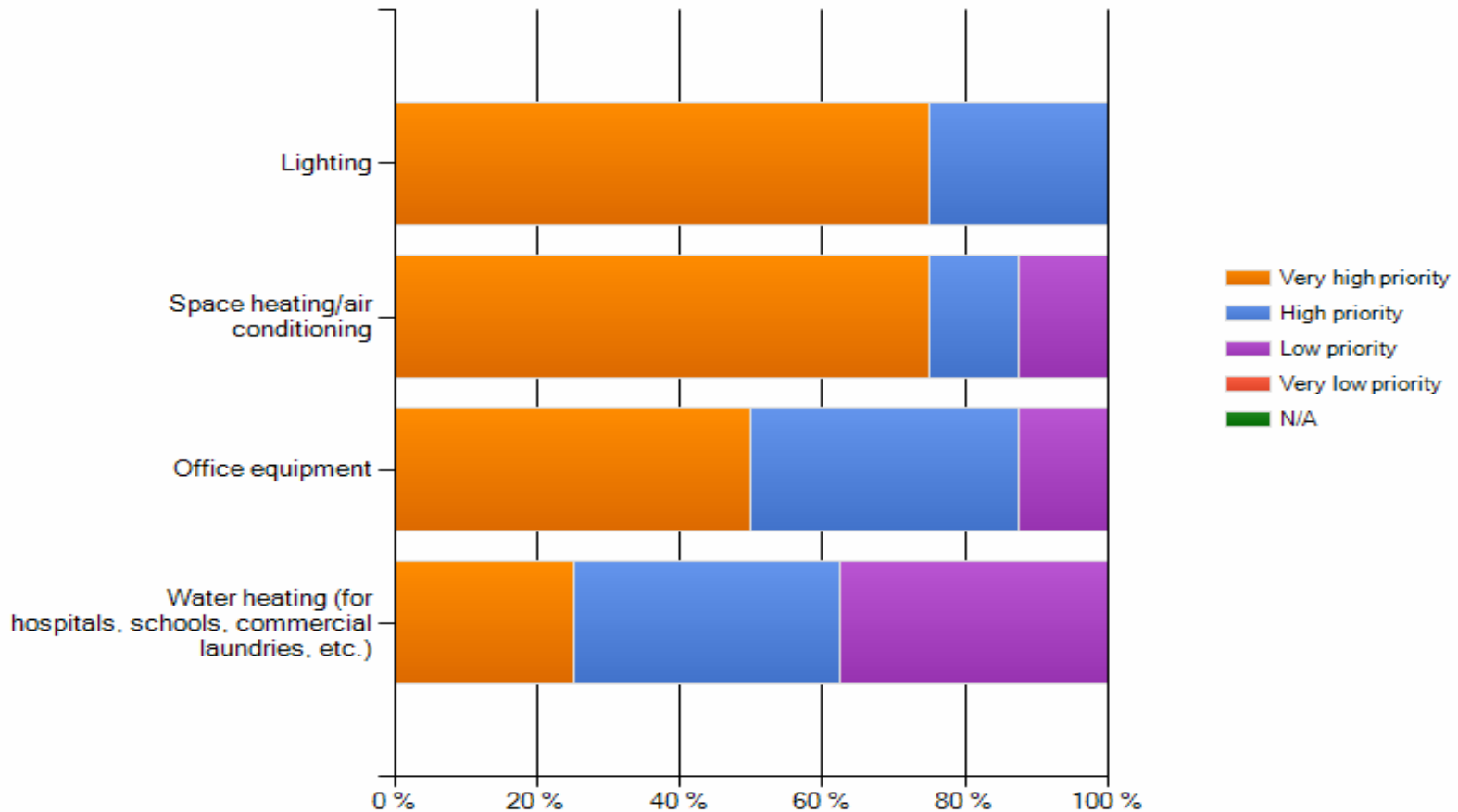


Agriculture Drivers



Commercial building priorities

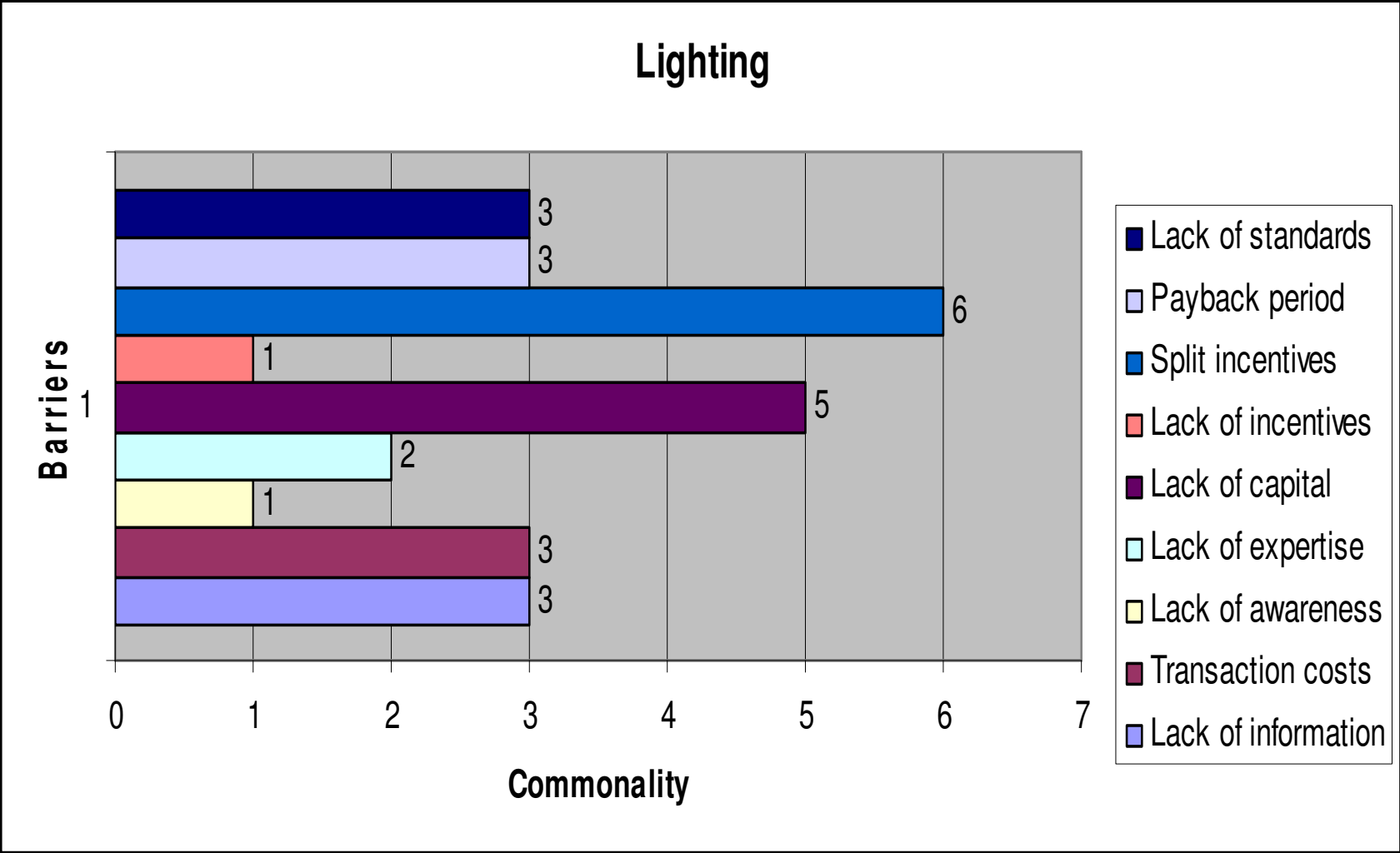
How important is each commercial building issue for central government in your economy? Please select a priority level from "very high" to "very low" priority.



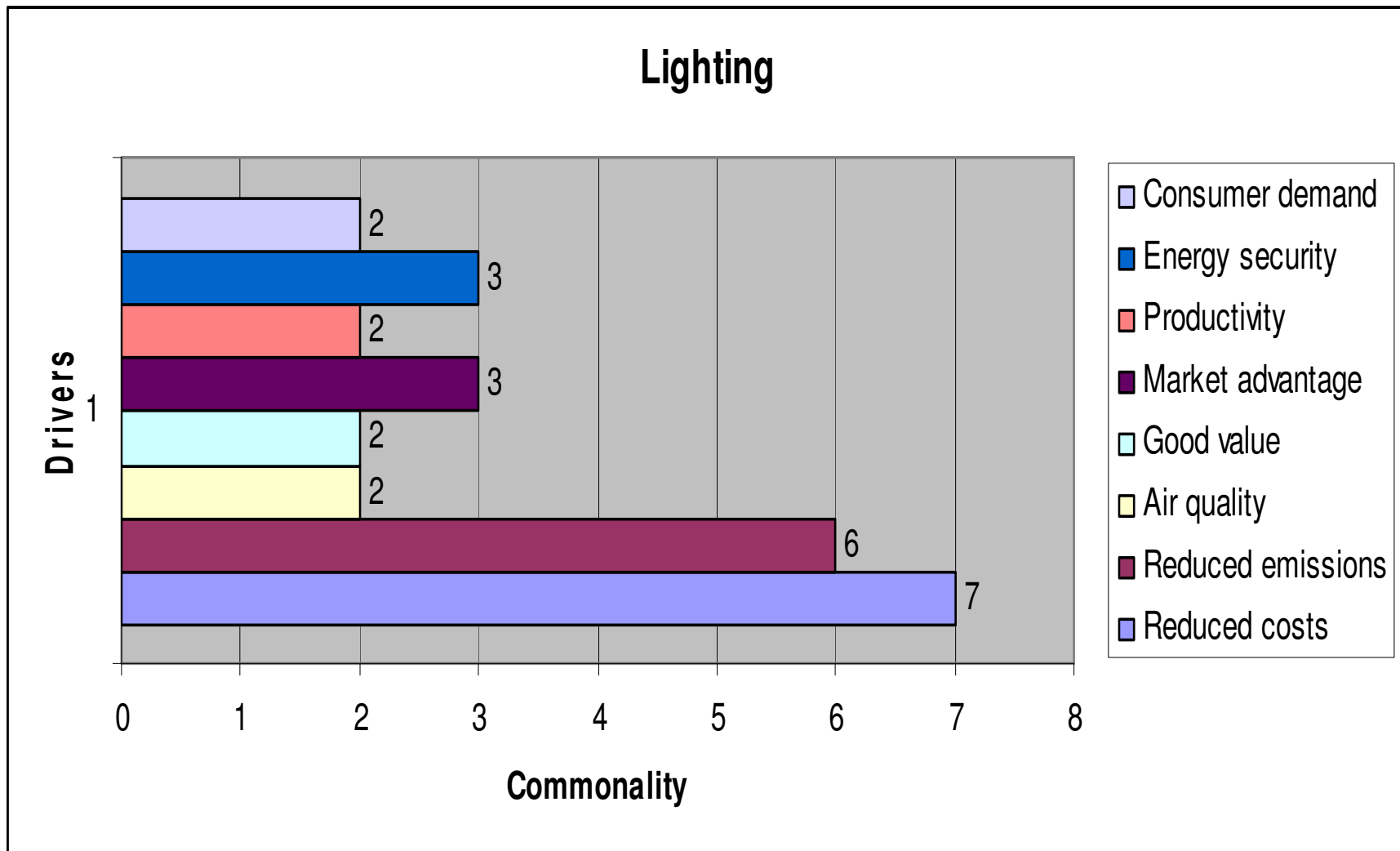
Commercial building priorities

1. Lighting
2. Space heating/air conditioning
3. Office equipment

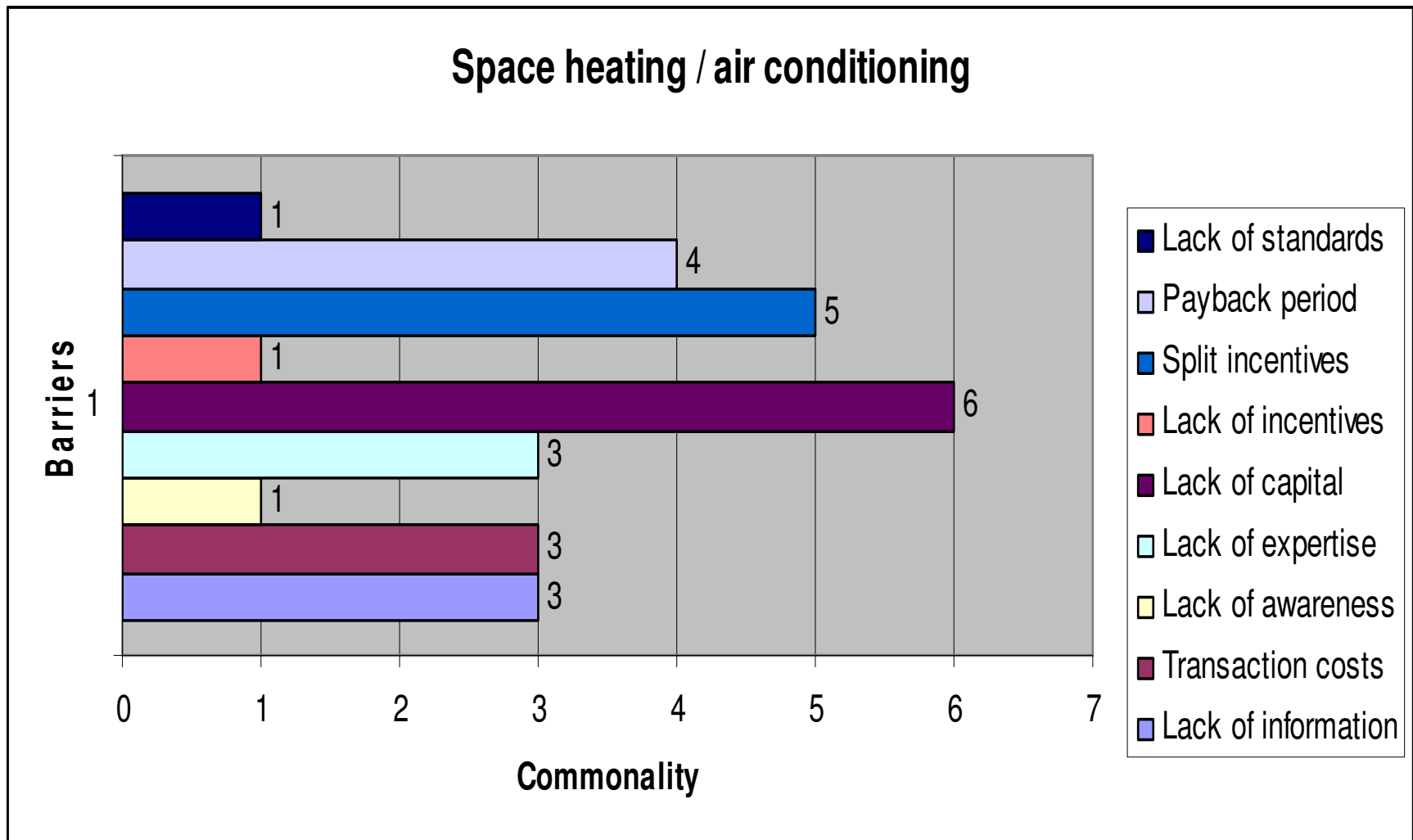
Commercial lighting – Barriers



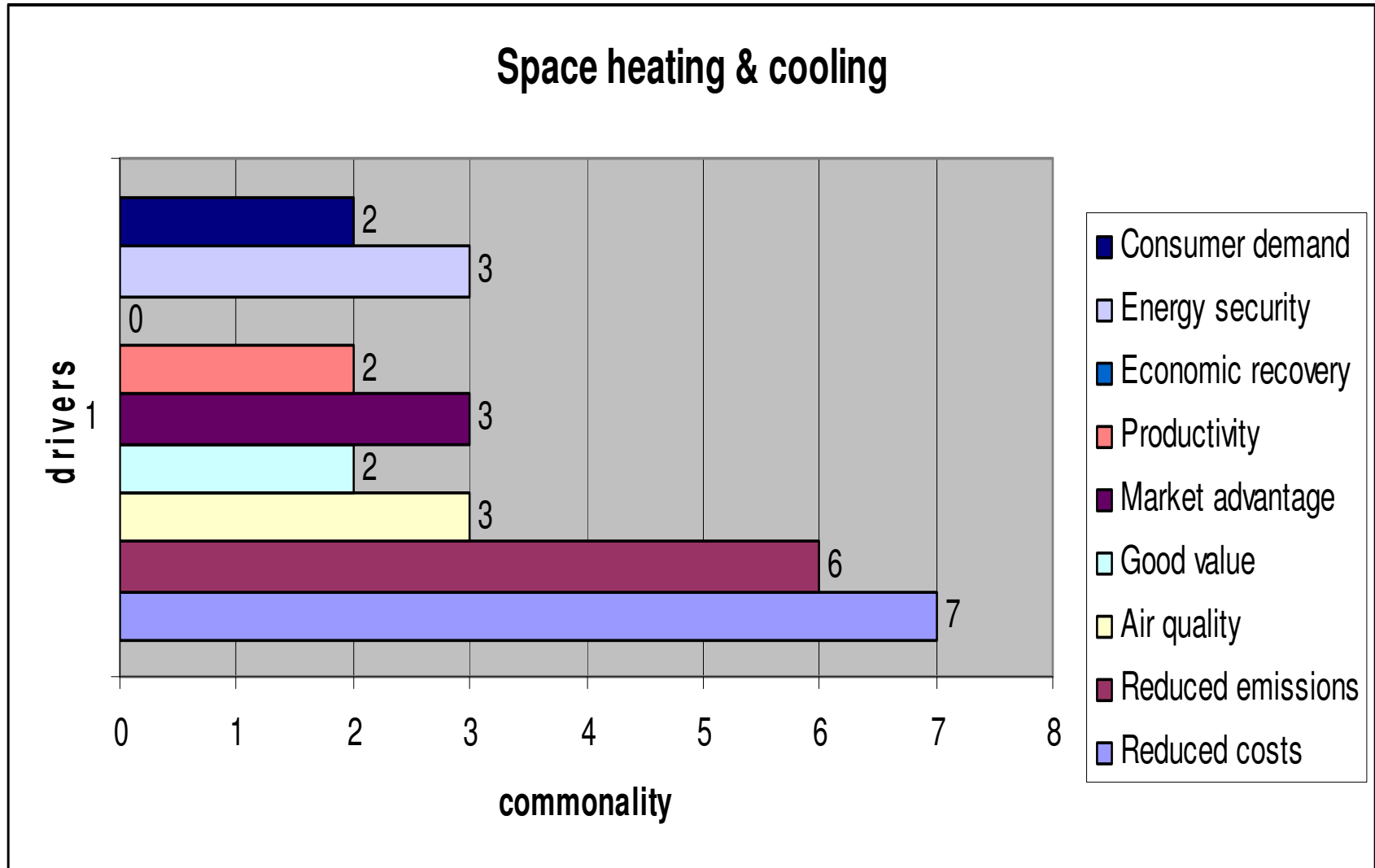
Commercial lighting – Drivers



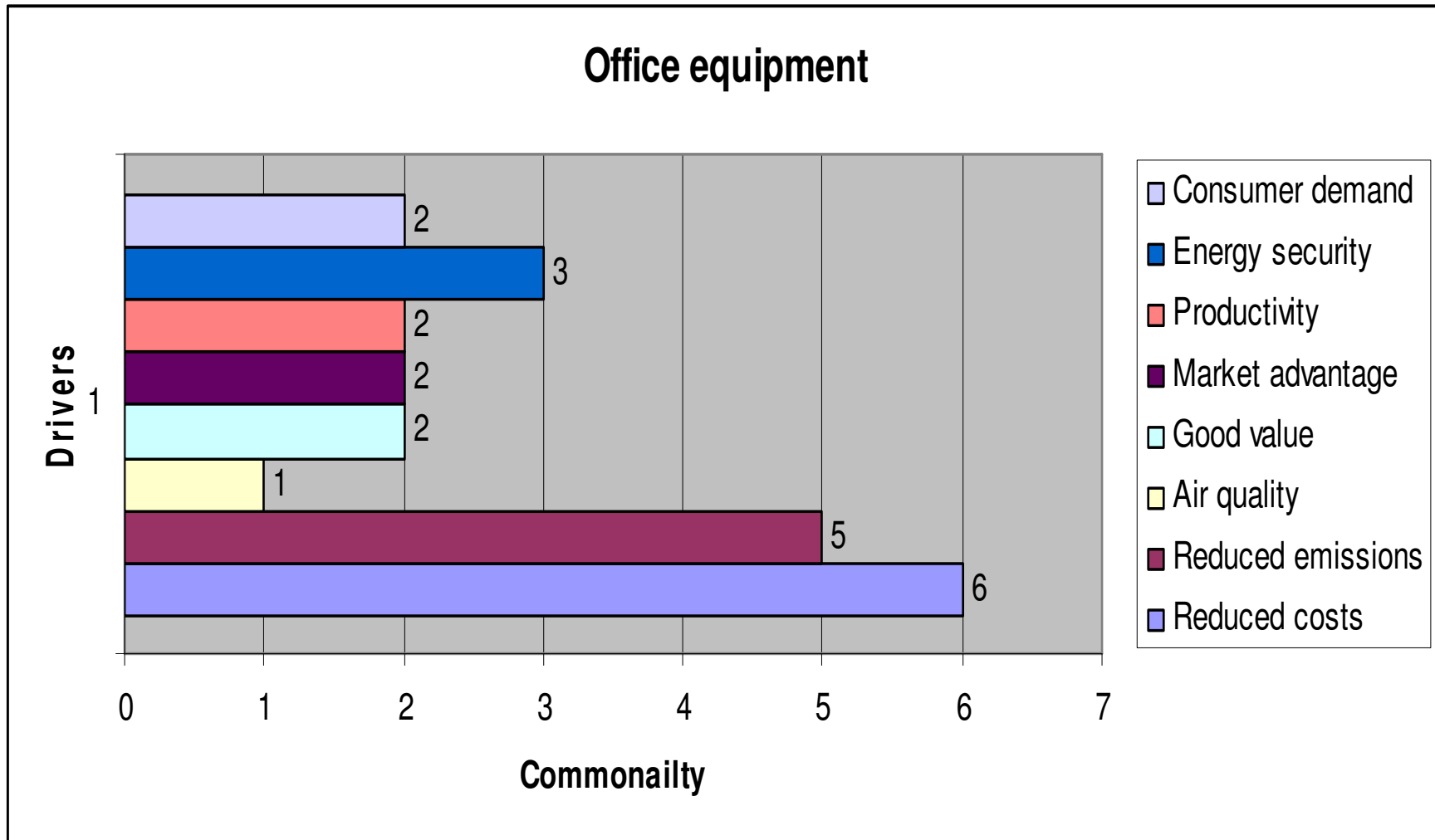
Space heating/air con – Barriers



Space heating/air con –

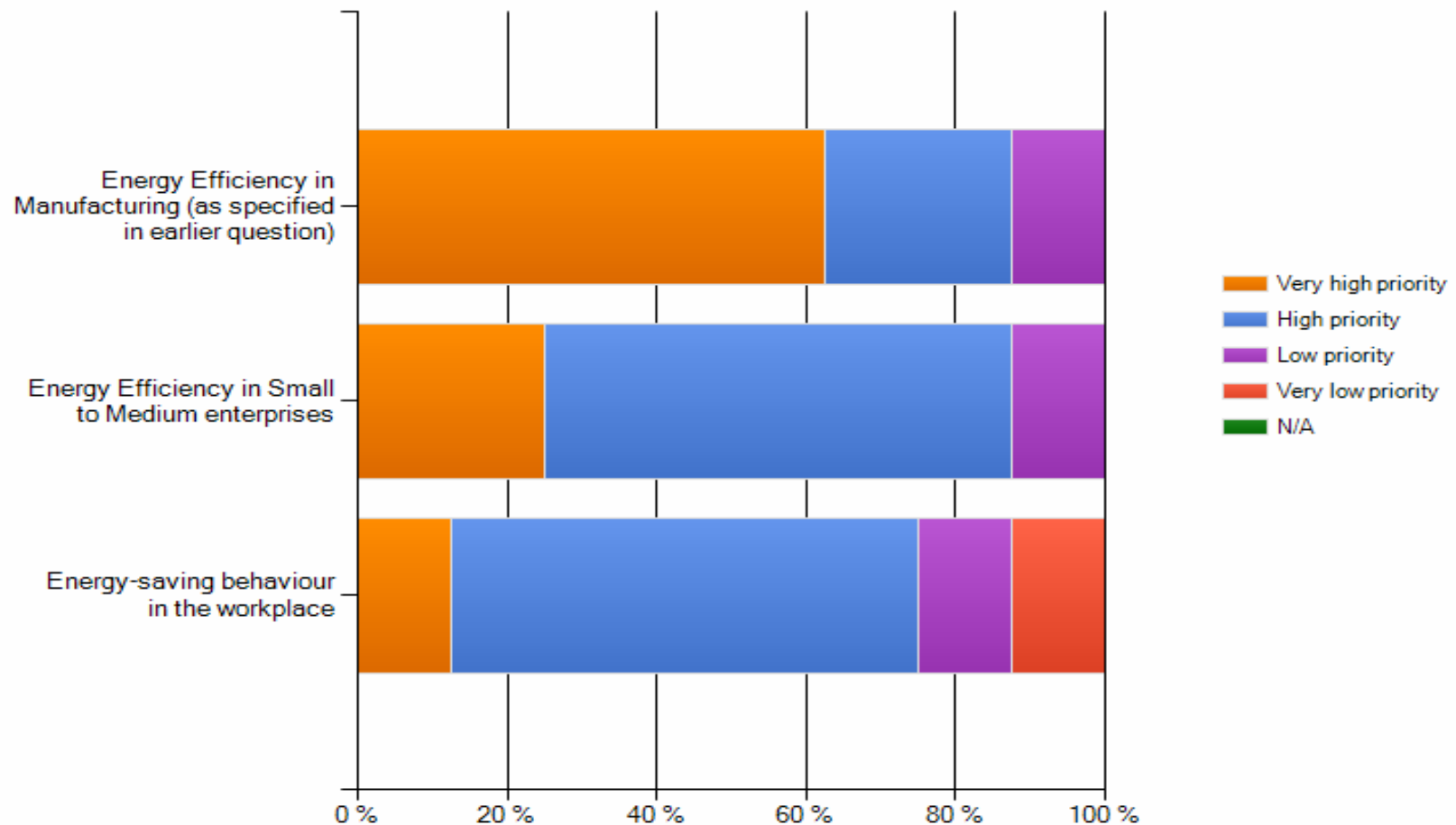


Office equipment efficiency – Drivers



Other business sector priorities

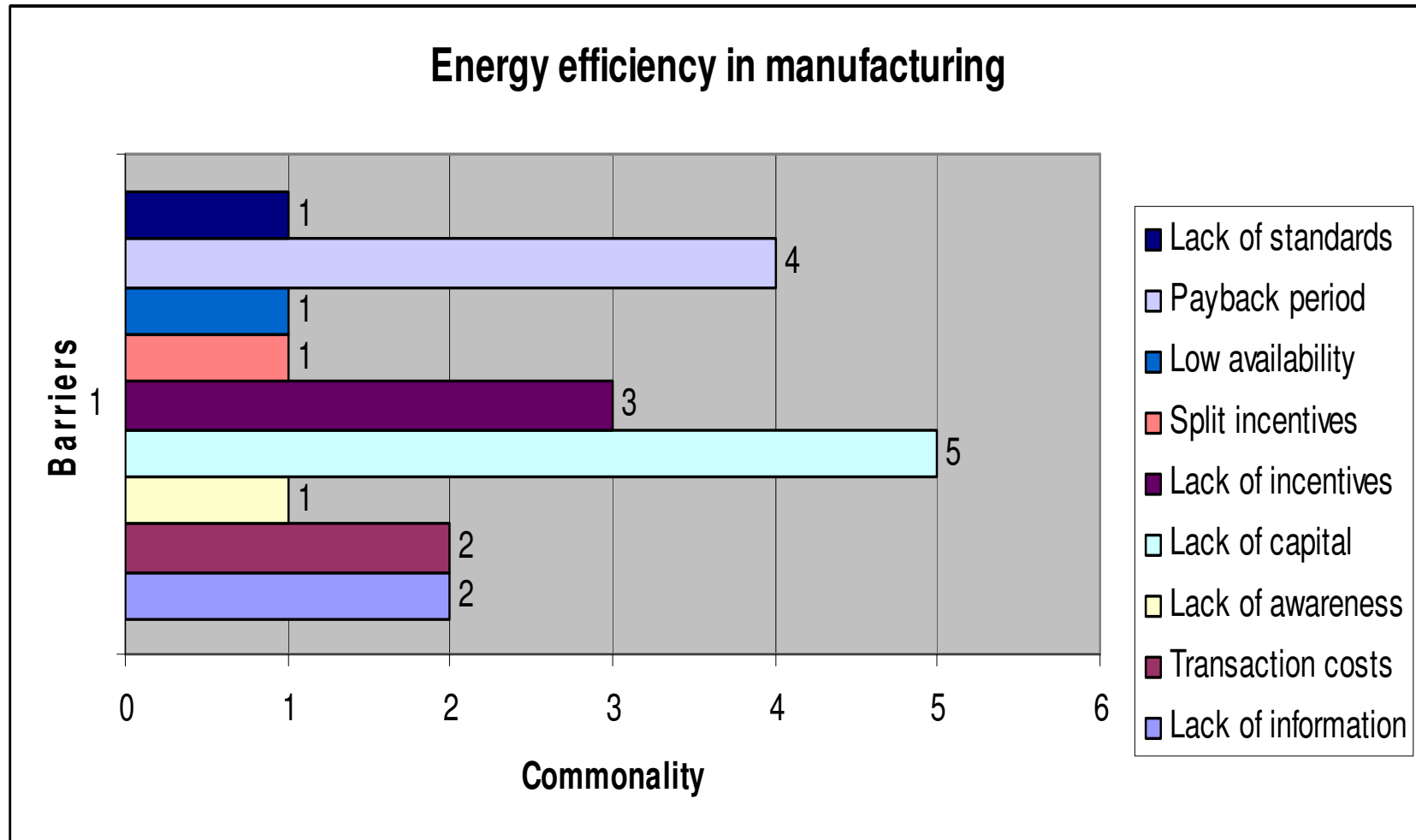
How important is each of these other business sector-related issues for central government in your economy? Please select a priority level from "very high" to "very low" priority.



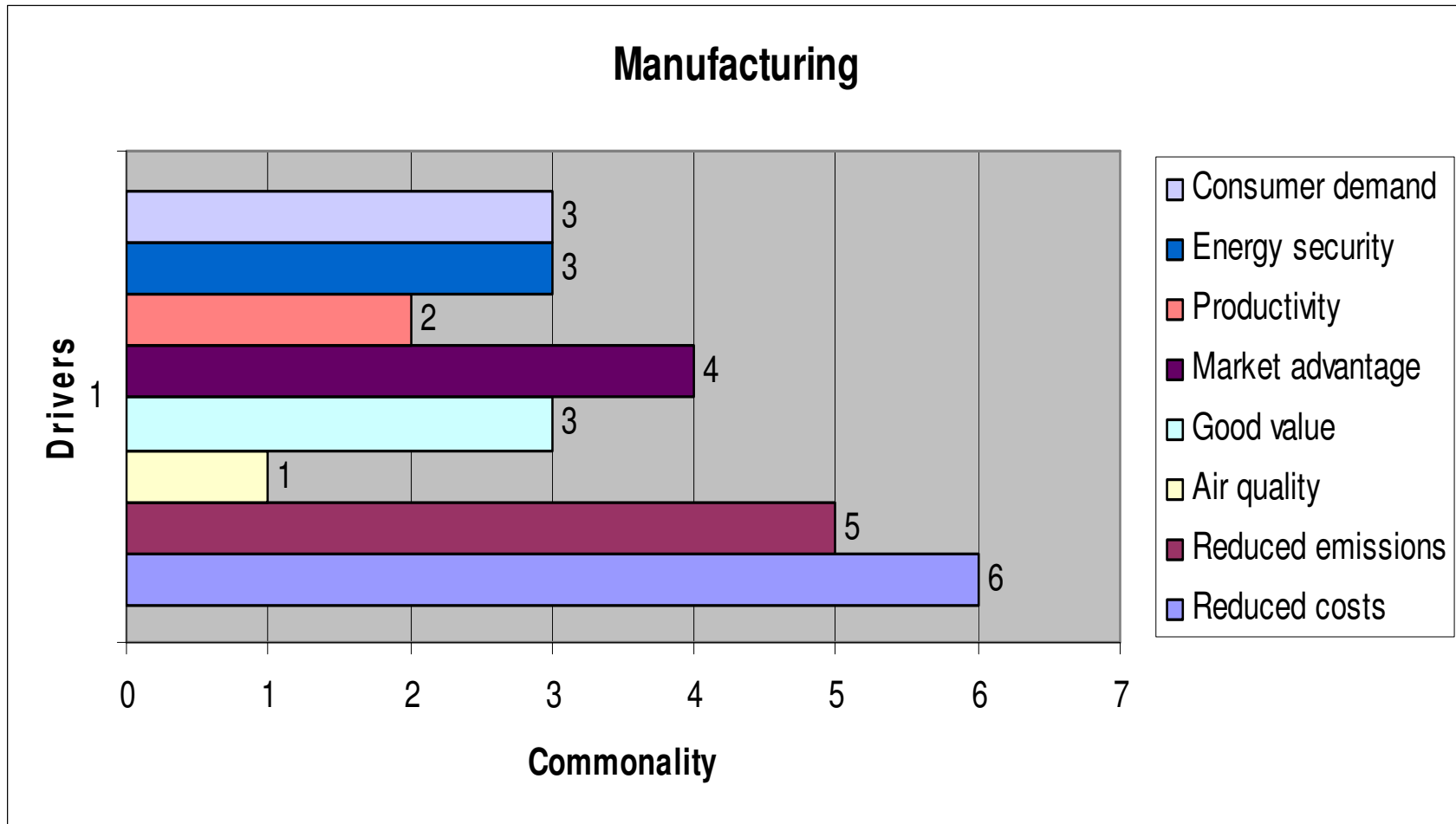
Other business sector priorities

- Energy efficiency in manufacturing
- Energy efficiency in small to medium enterprises
- Energy saving behaviour (workplace)

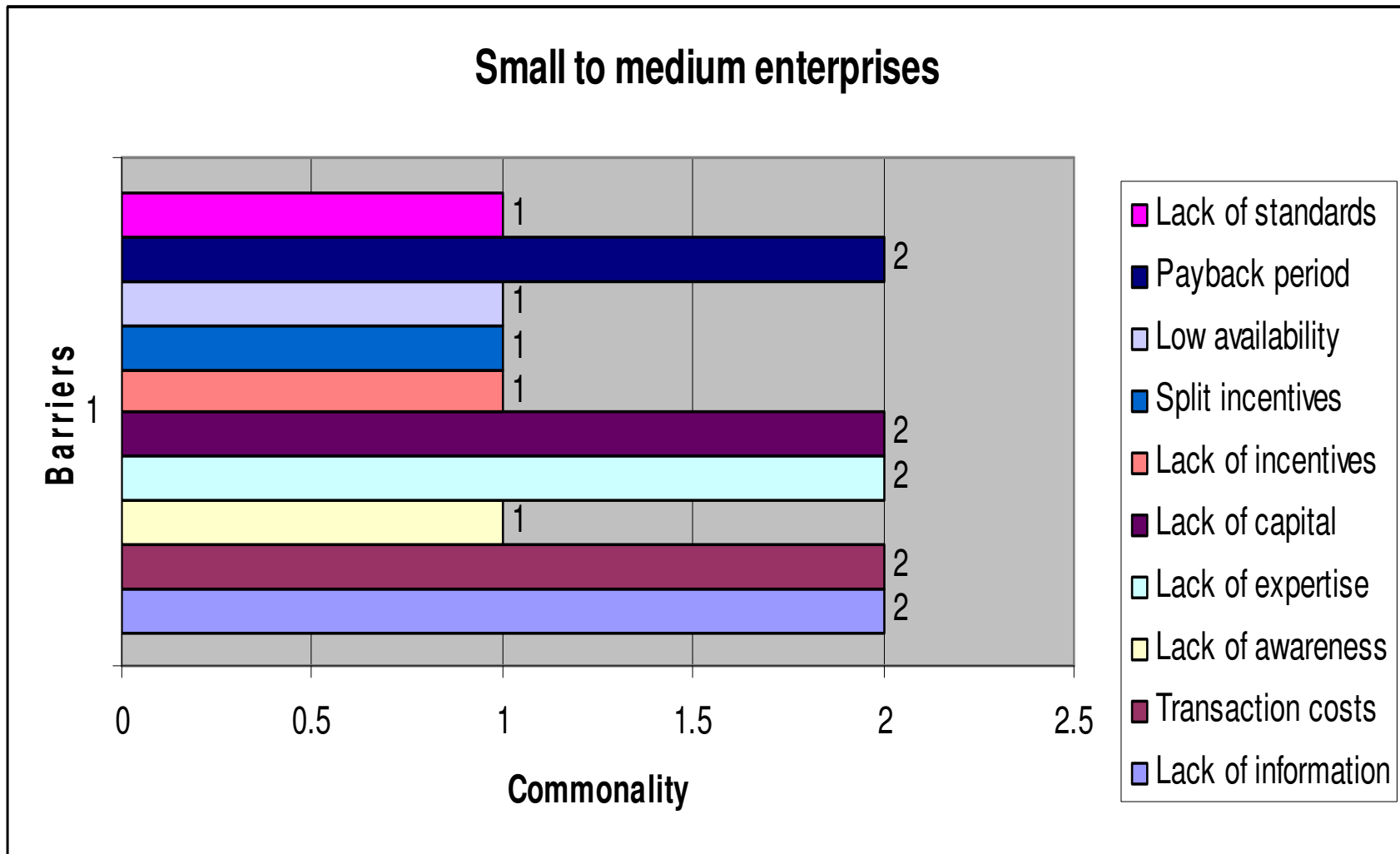
Energy efficient manufacture - Barriers



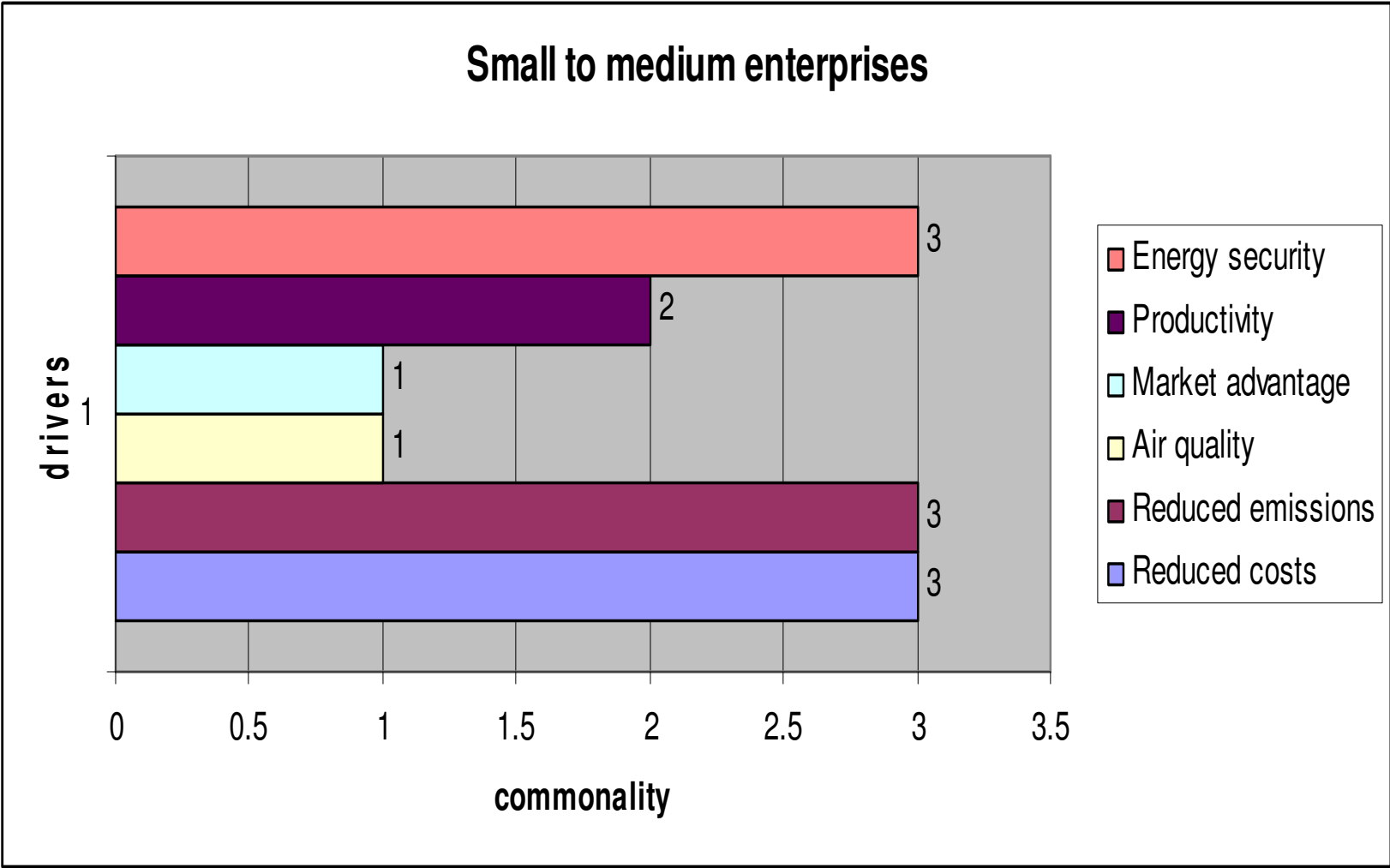
Drivers for energy efficient manufacture



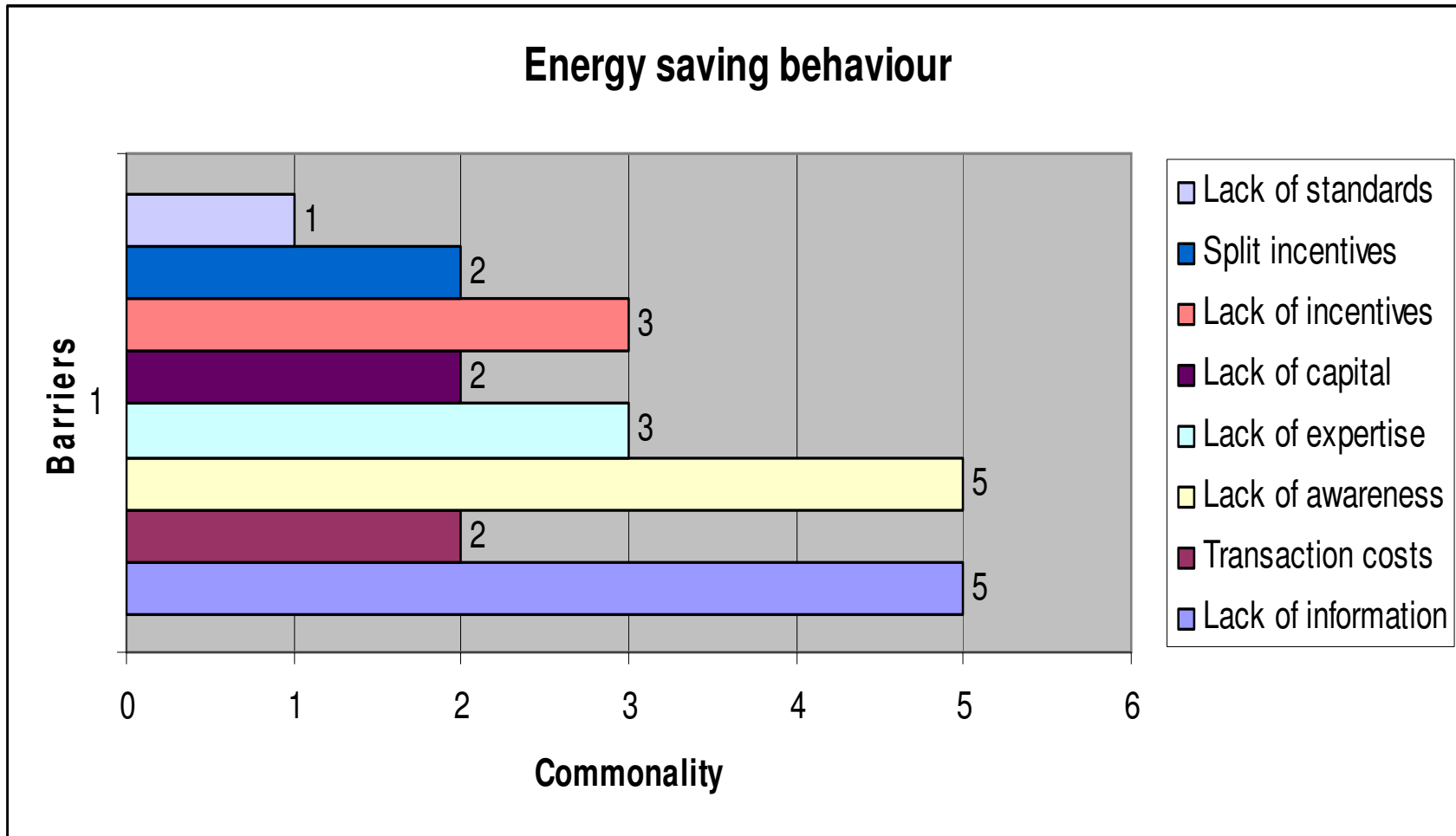
SME – Barrier to EE



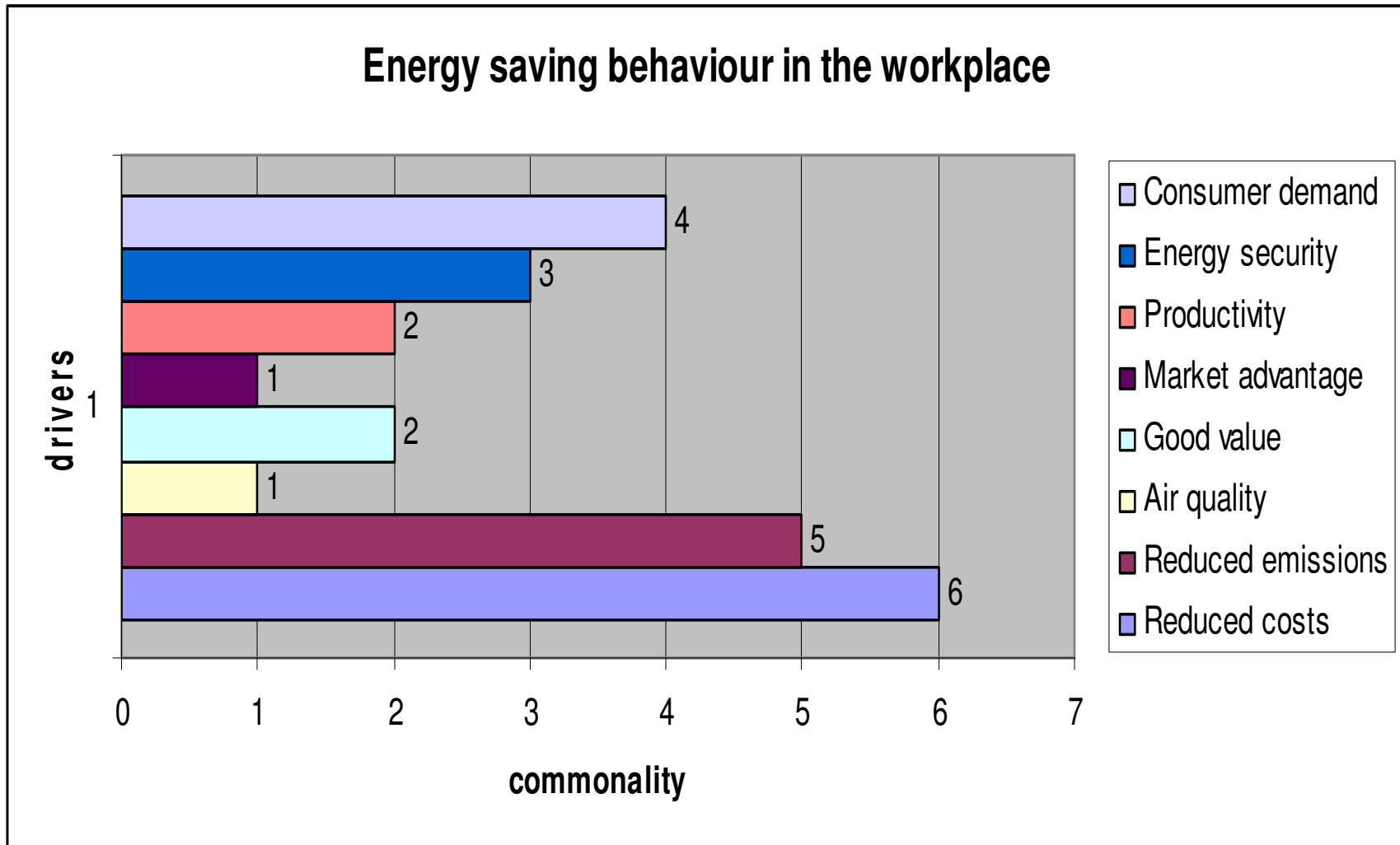
SME – Drivers for EE



Energy saving behaviour in workplace - Barriers

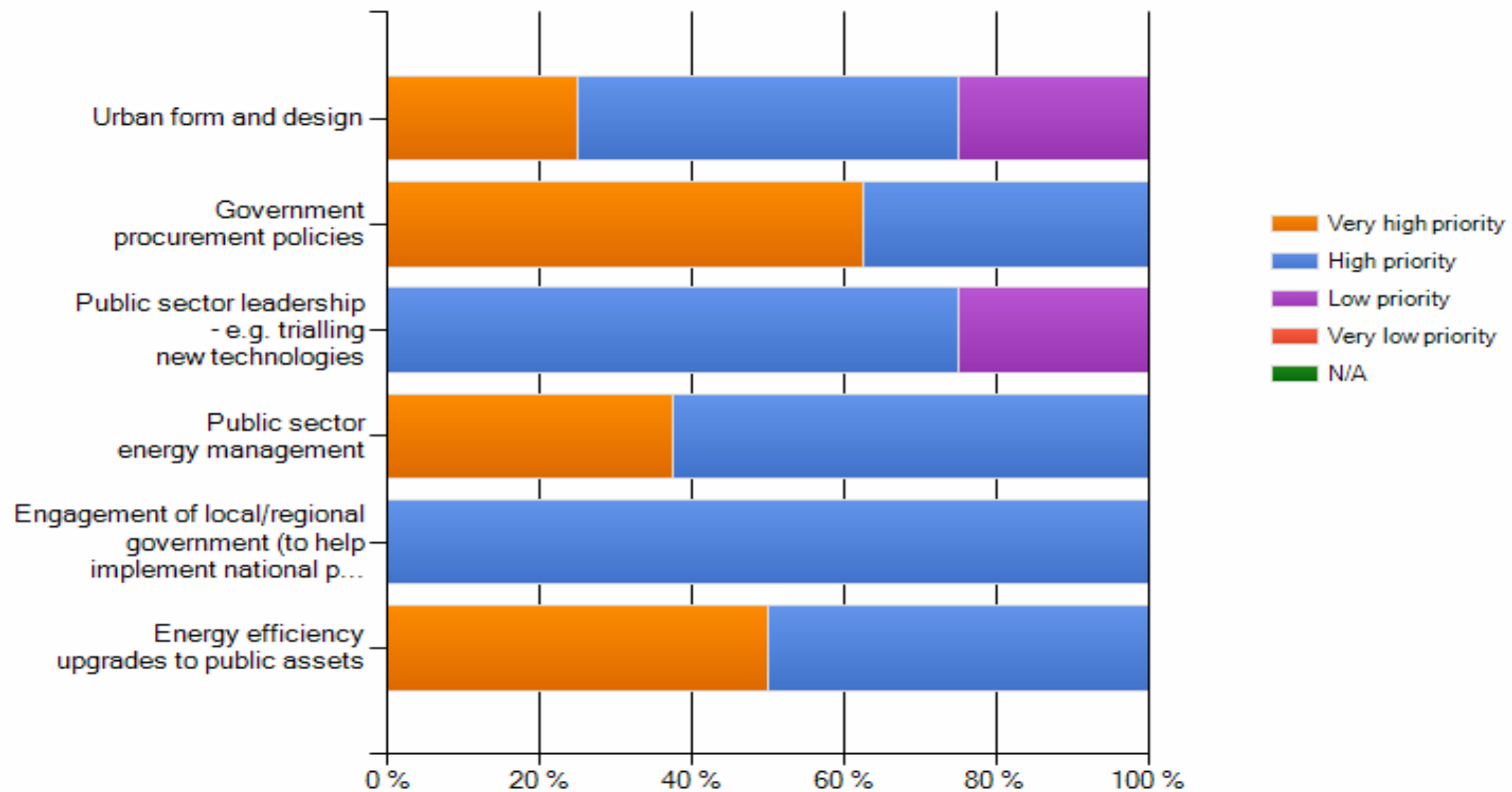


Energy saving behaviour in workplace – Drivers



Public sector priorities

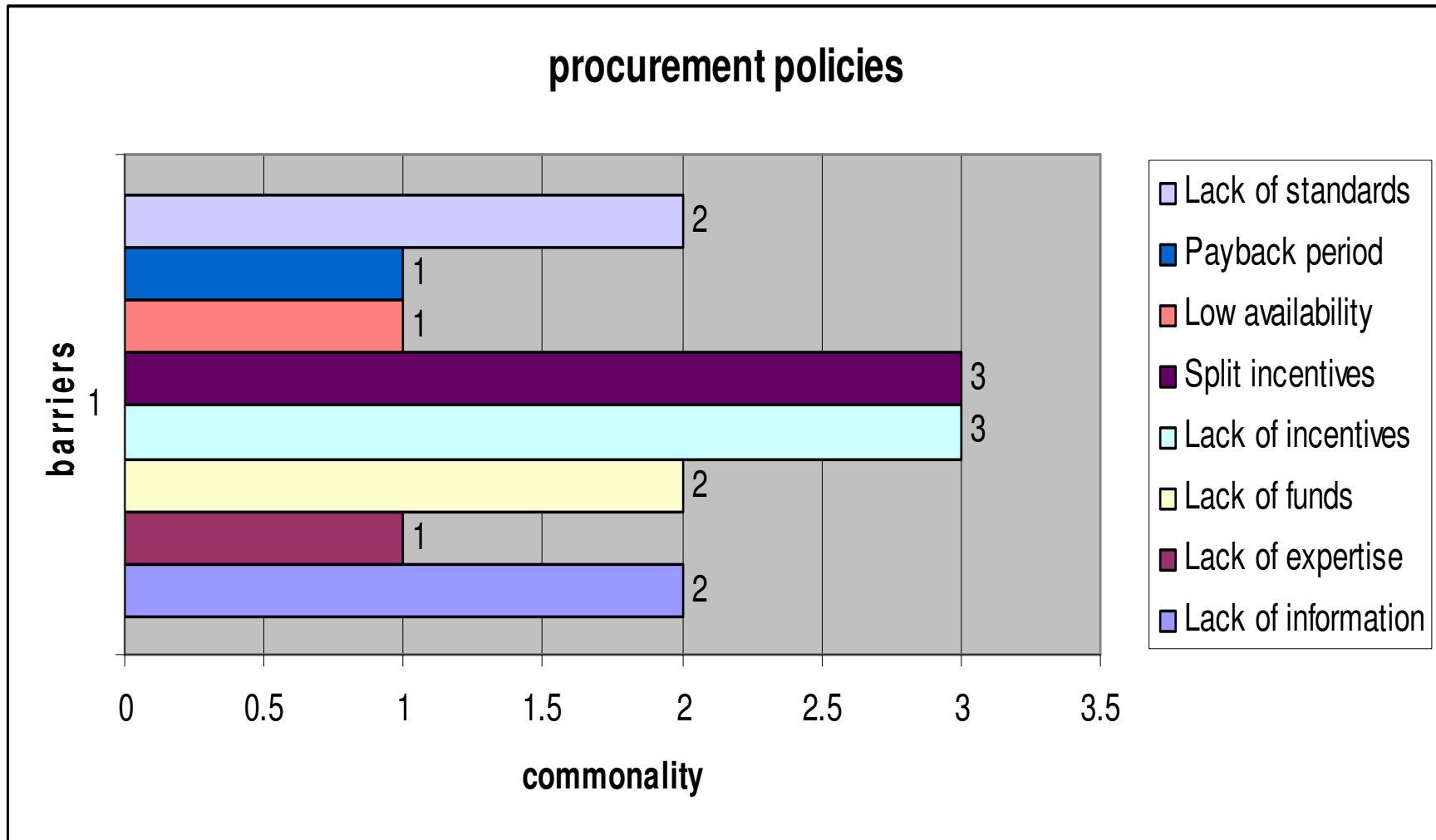
How important is each issue for central government in your economy? Please select a priority level from "very high" to "very low" priority. Please note that "Urban form and design" refers to urban planning policies or decisions at the national or regional level that maximise energy efficiency, for example through use of alternative heat & power sources (like industrial waste), reduced travel demand, district heating and cooling, etc.



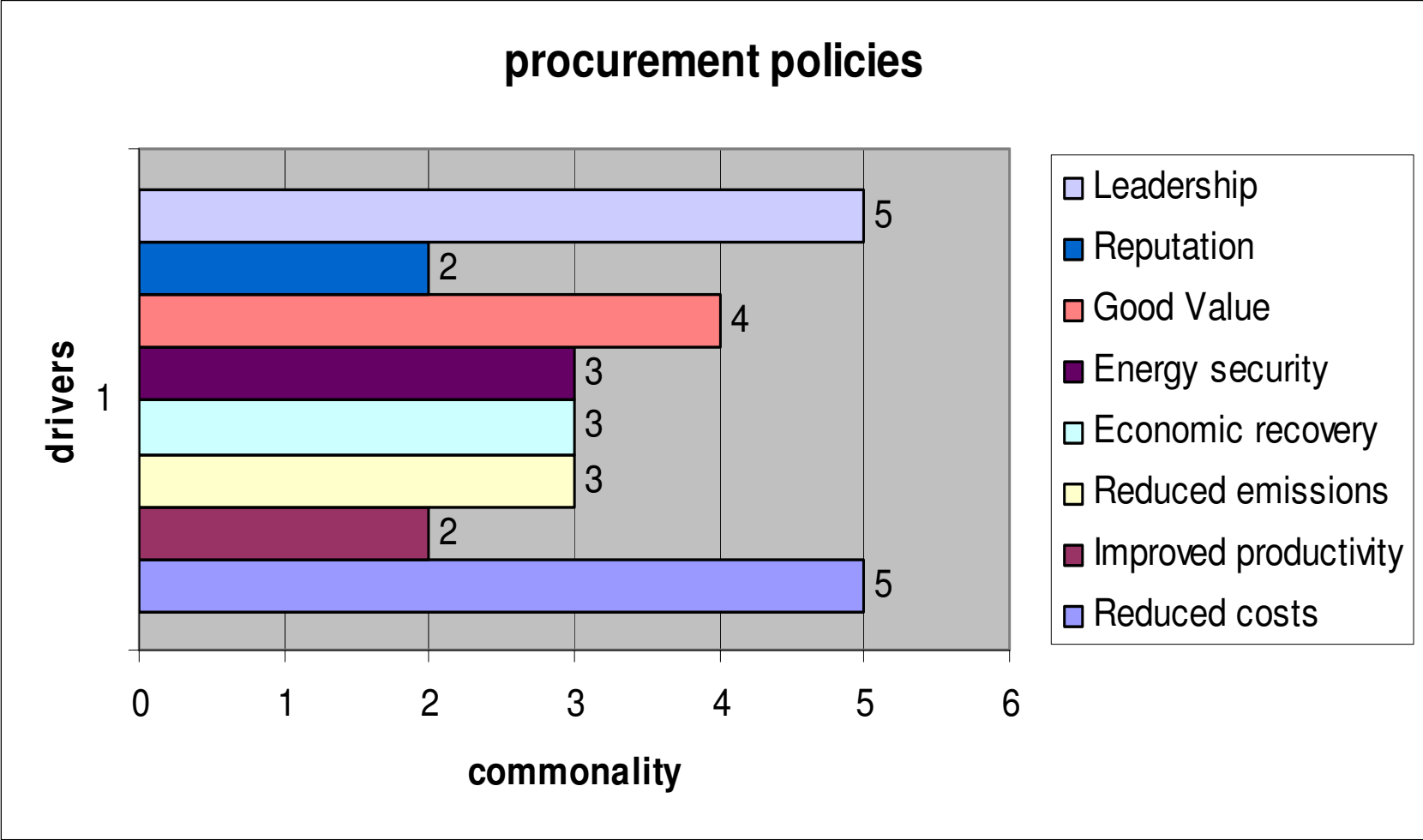
Public sector priorities

1. Government procurement
2. Upgrades to public assets
3. Public sector energy management
4. Urban form and design
5. Engaging regional/local government
6. Leadership (trailing, demonstration)

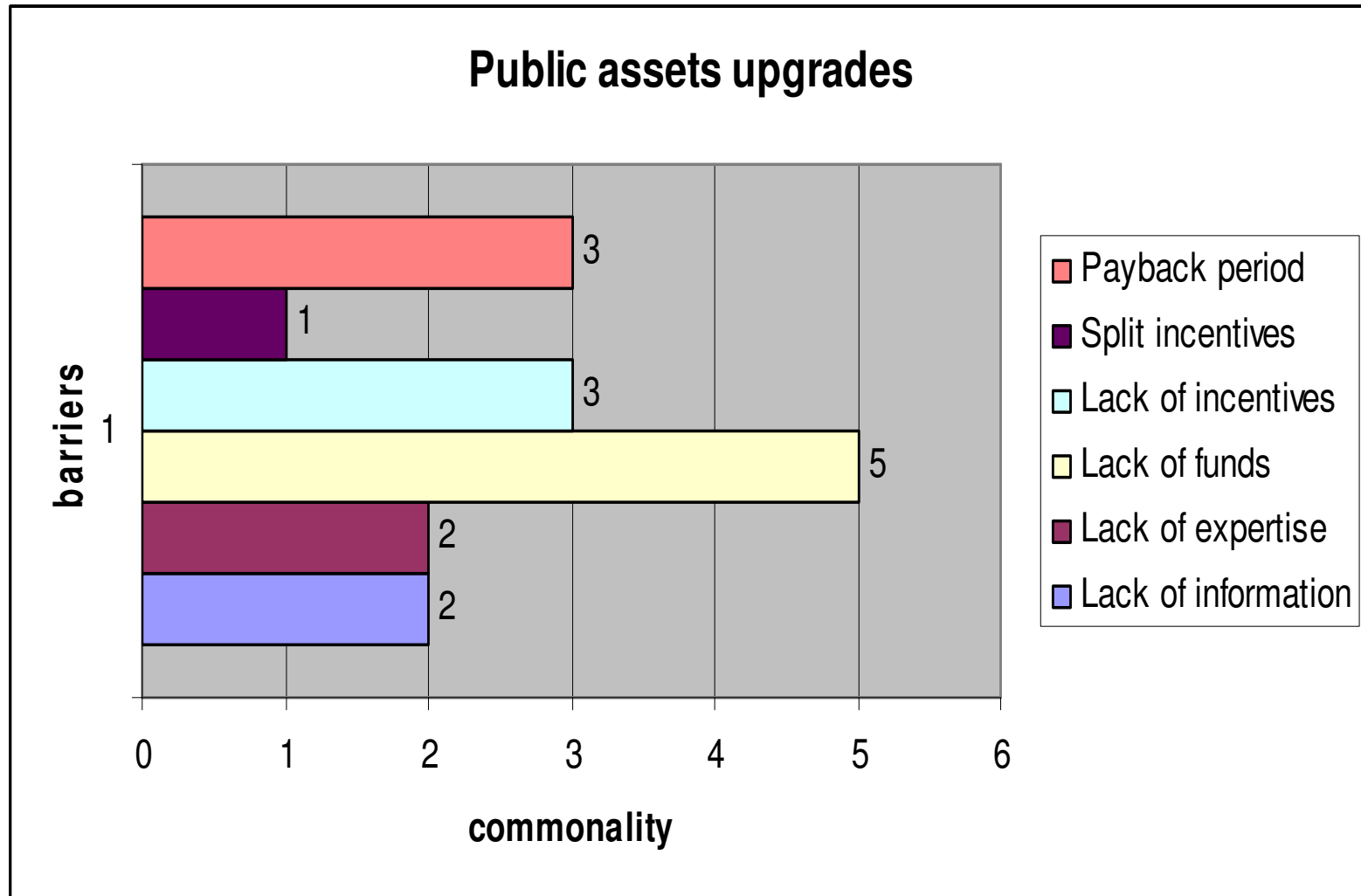
Government procurement – Barriers



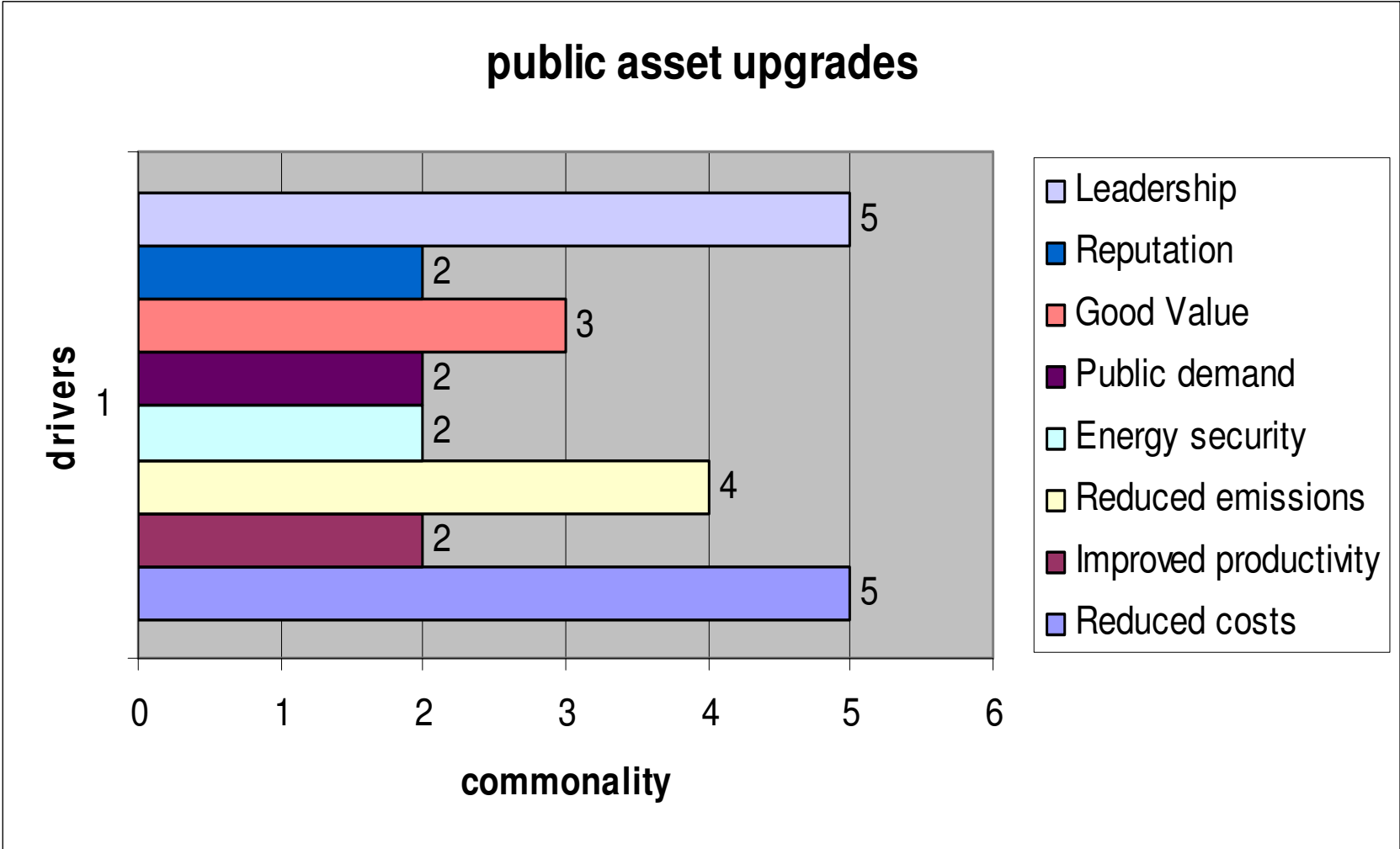
Government procurement – Drivers



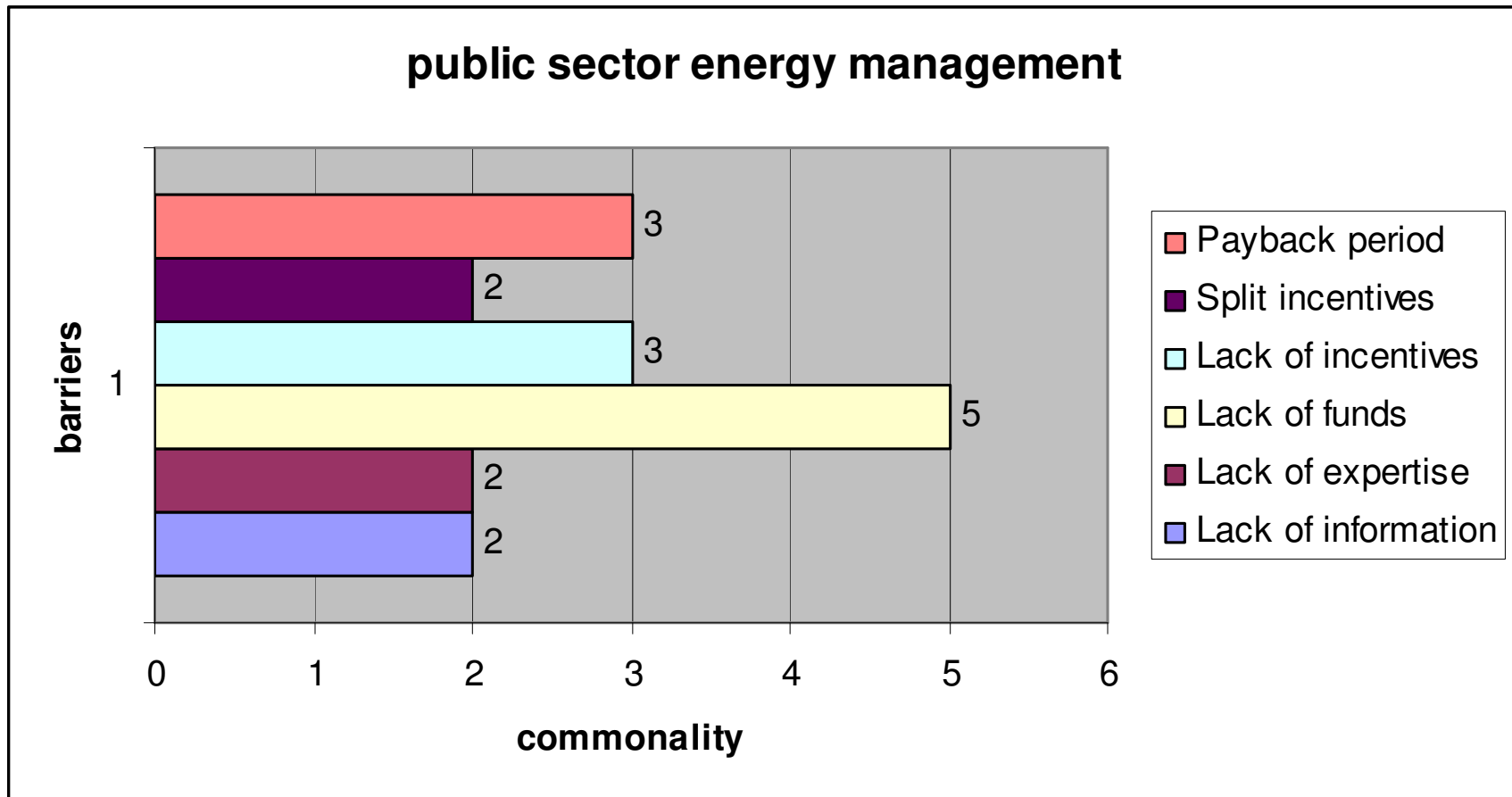
Public asset upgrades – Barriers



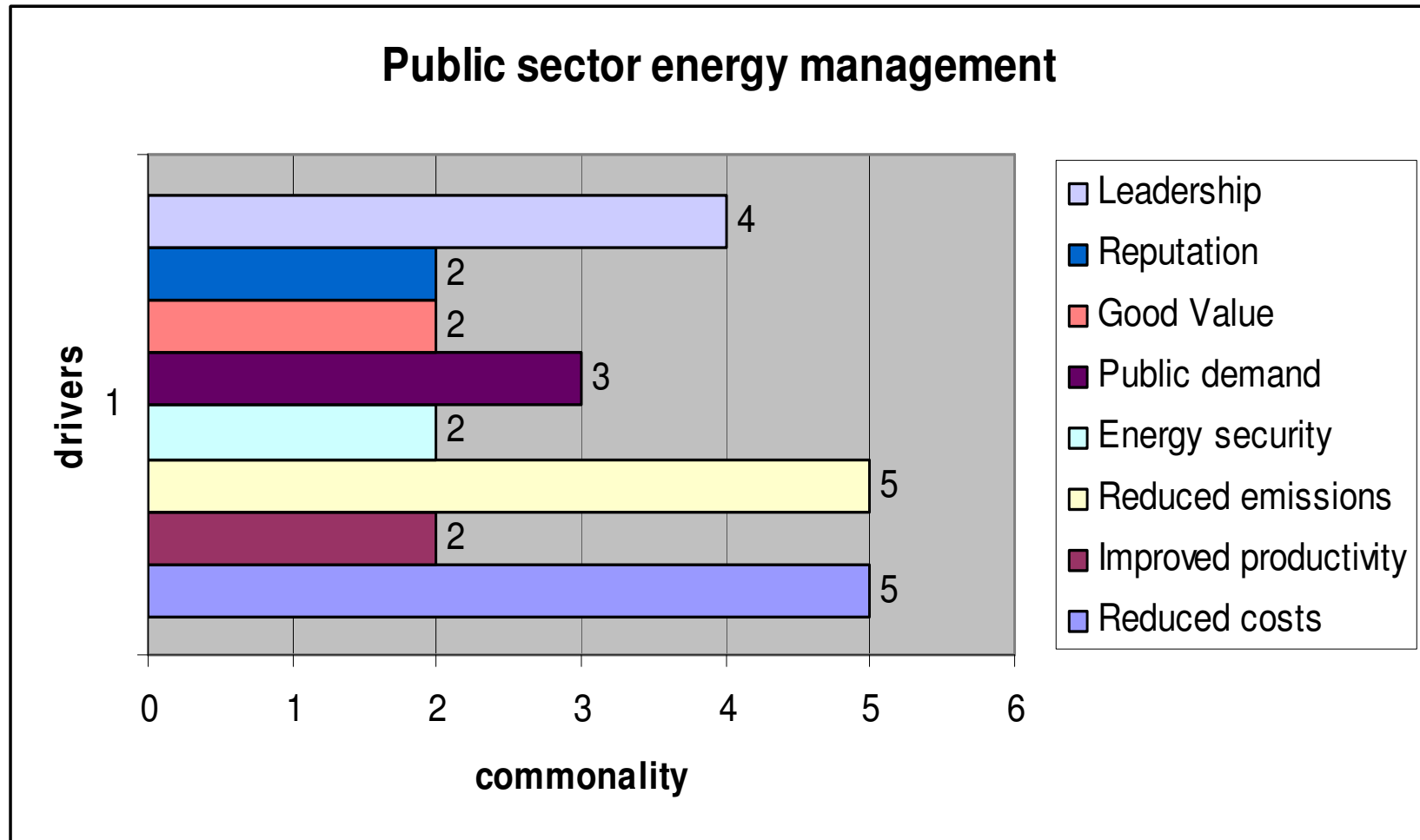
Public asset upgrades – Drivers



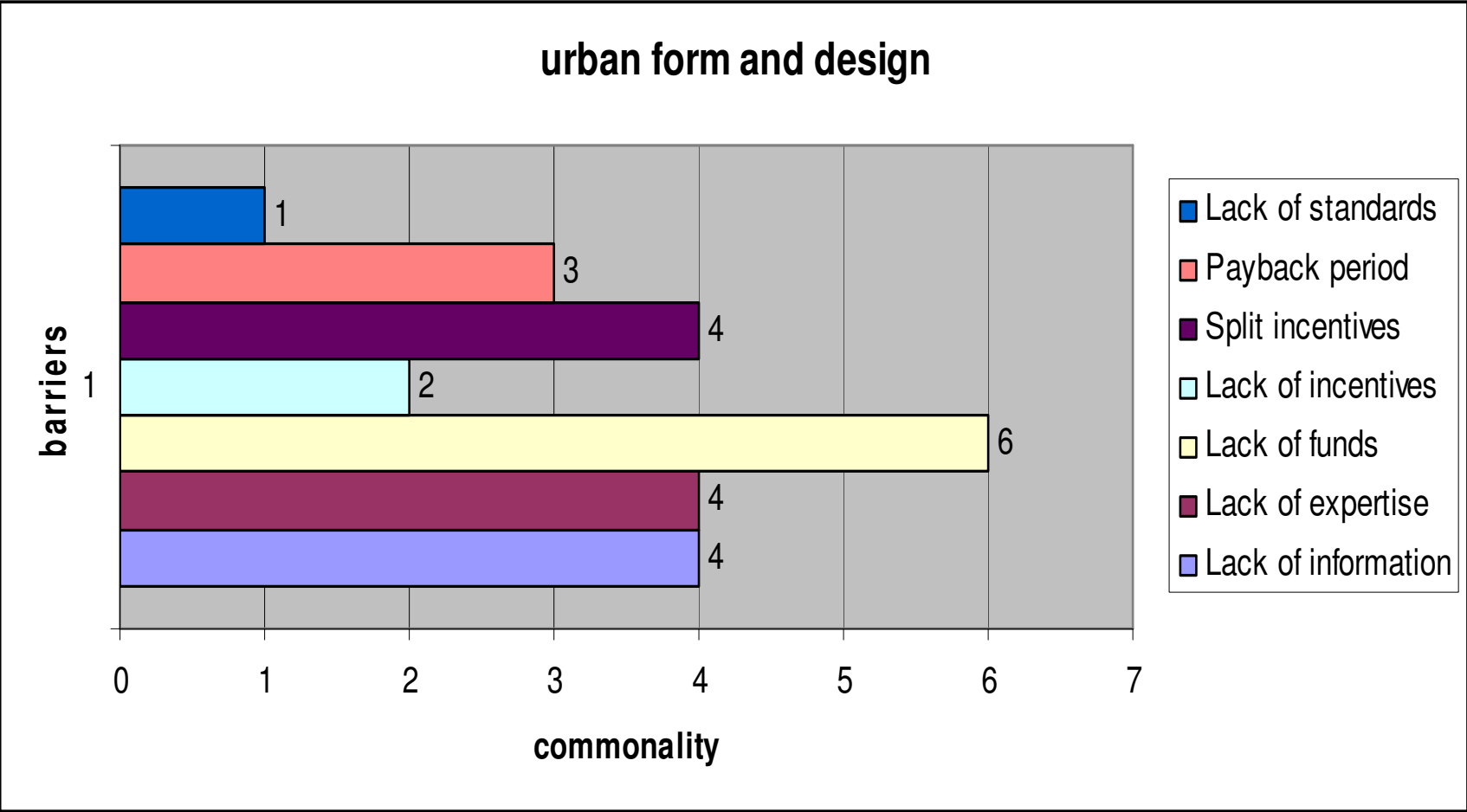
Public sector energy management - Barriers



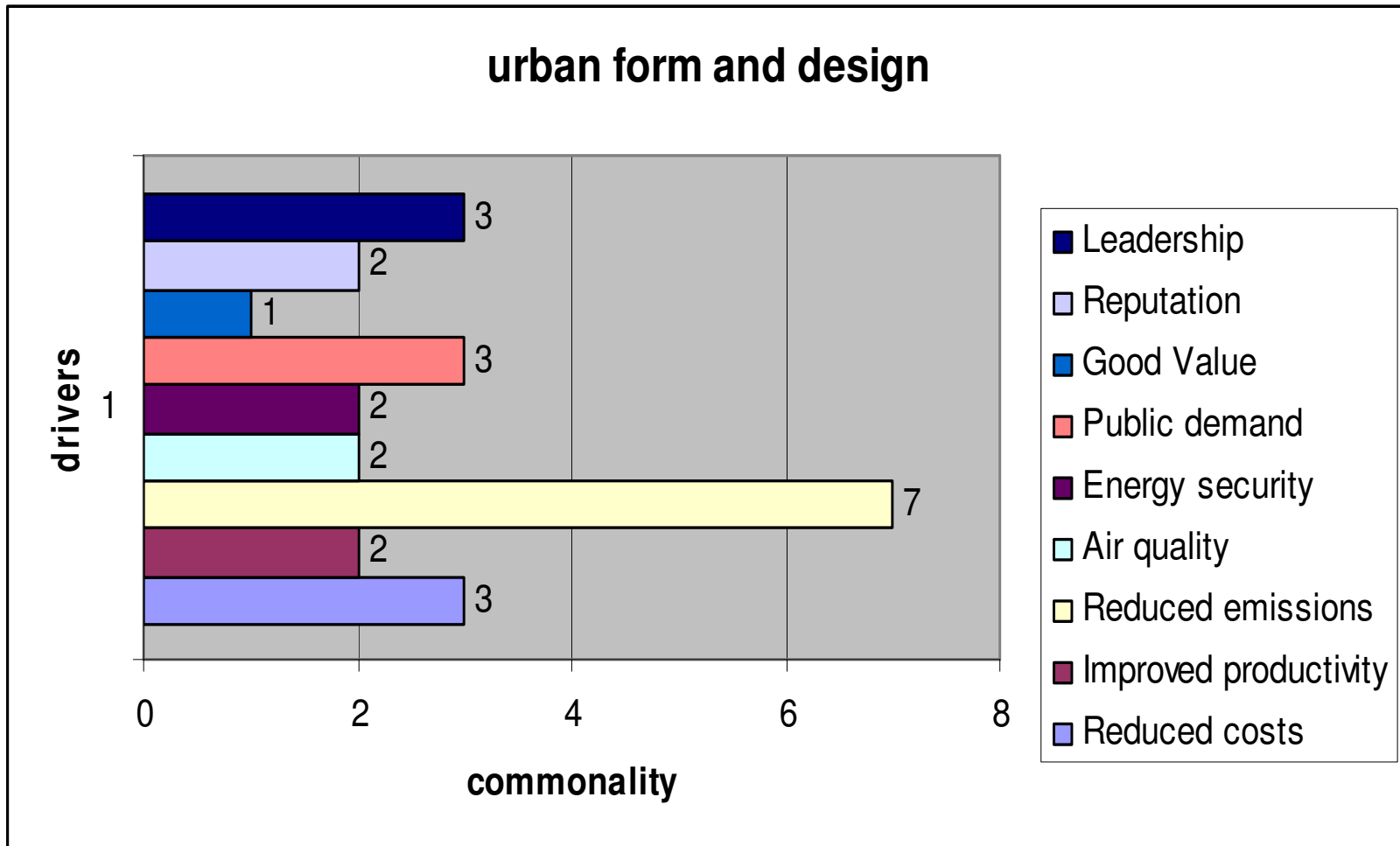
Public sector energy management – Drivers



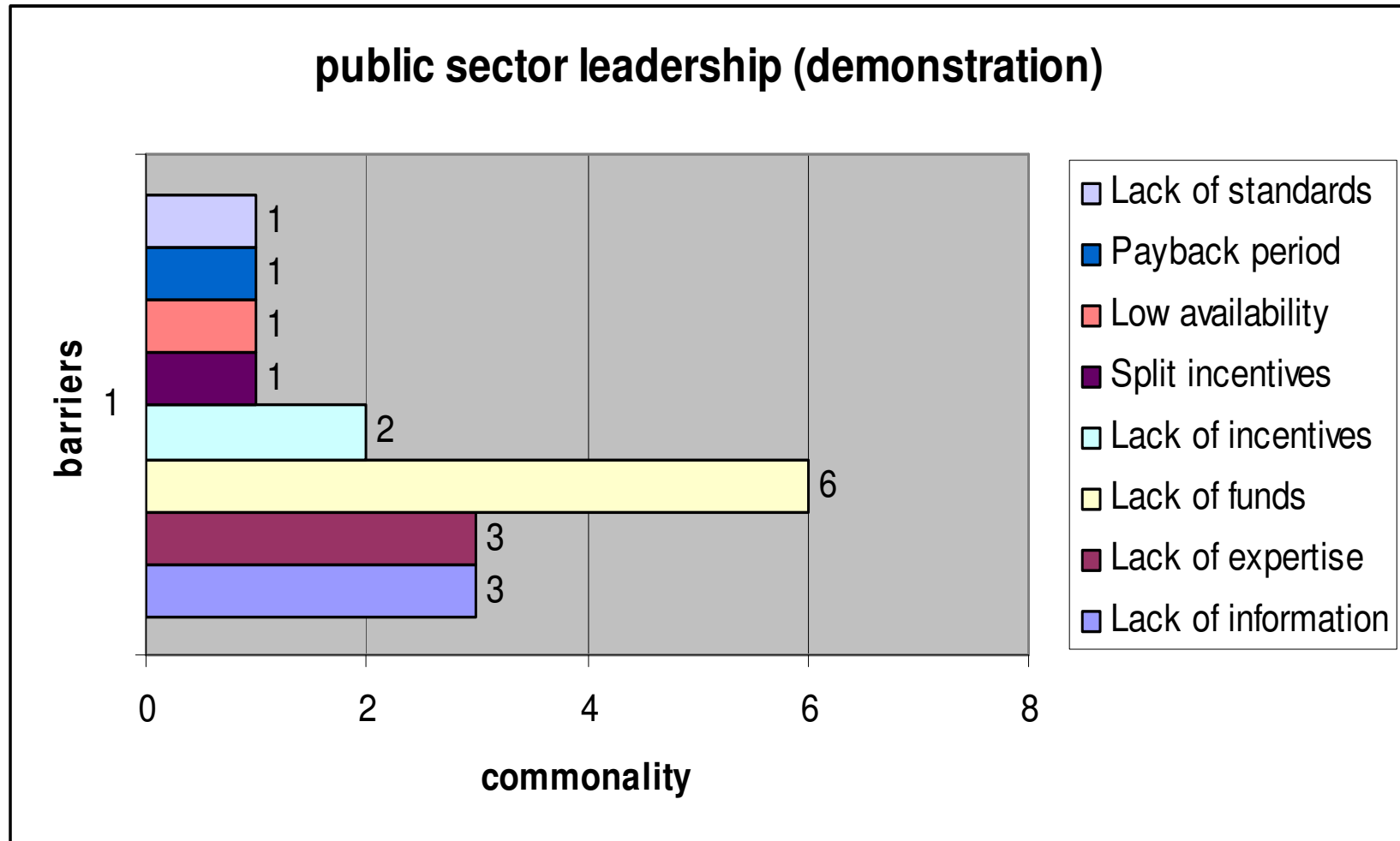
Urban form & design – Barriers



Urban form & design – Drivers



Trialling new technology in public sector – barriers



Trialling new technology in public sector – Drivers

