

2026 Regional Energy Needs Survey

RESULTS AND ANALYSIS



North Central Texas
Council of Governments

Survey Background

- The North Central Texas Council of Governments (NCTCOG) requested feedback from its stakeholders to help identify the region's most pressing needs around energy and water conservation and management to prioritize the development of appropriate resources.
- These results provide guidance in the planning of workshops, roundtables, and other resources that enable NCTCOG to continue assisting our stakeholders in meeting their energy management goals and needs.



General Questions

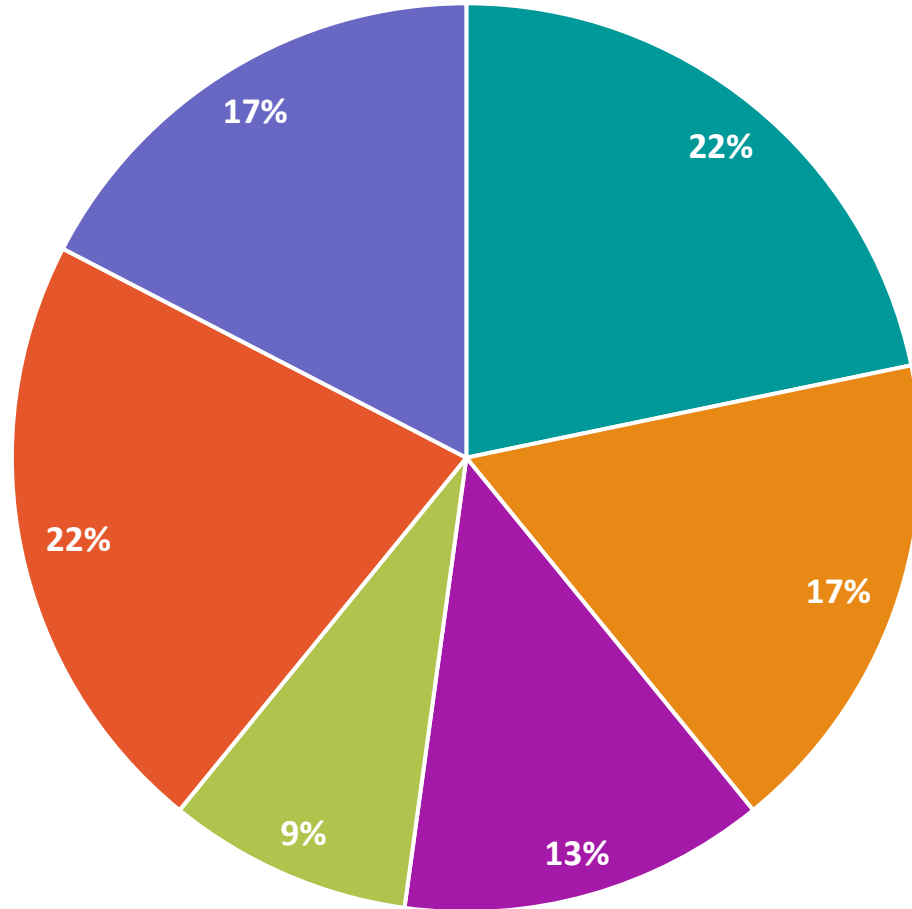
The following results are presented in the order questions were asked and reflect aggregated responses from survey participants. Not every respondent answered each question.



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Q1: Please provide your contact information. (n=22)

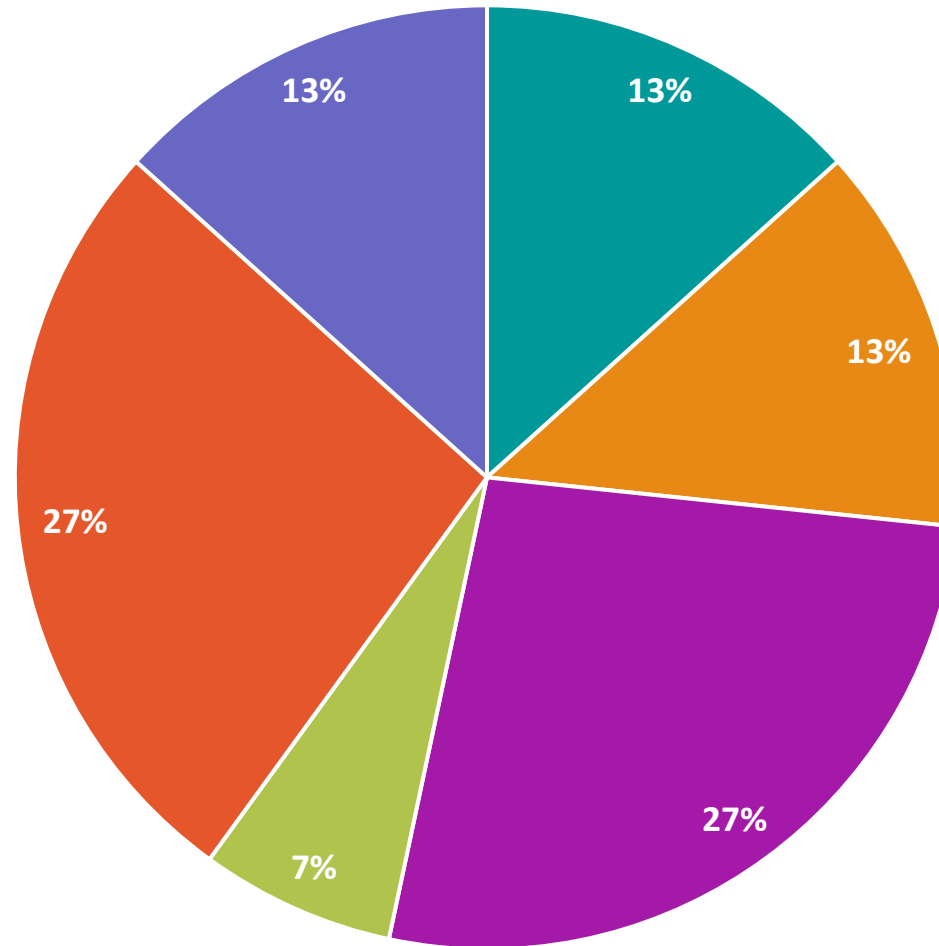
Respondent's job titles are indicated in the chart below.



- City Official
- Environmental Services
- Facility Management
- Public Works
- Planning and Development
- Other



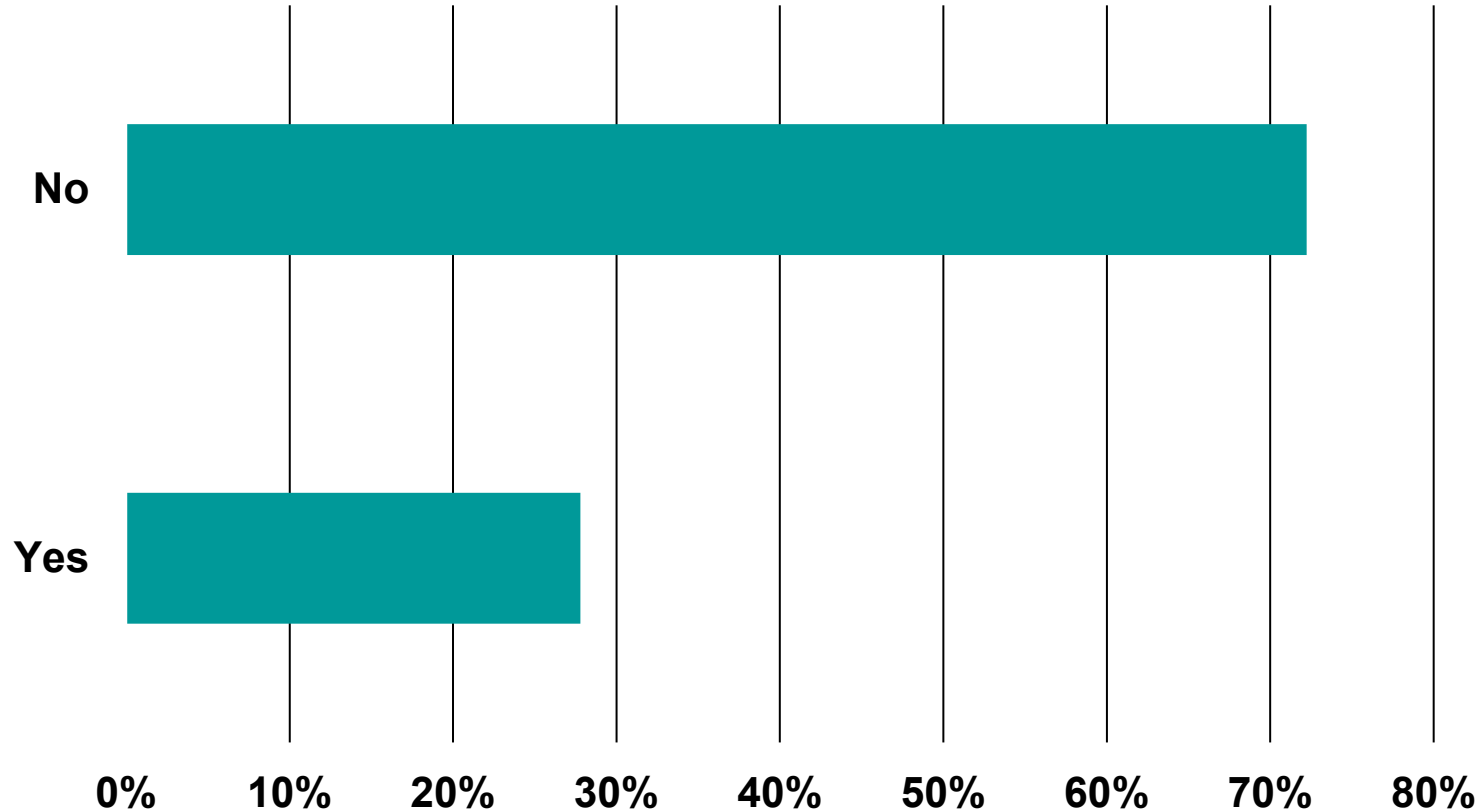
Q2: Who is the best point of contact for your organization regarding energy management data? (n=16)



- City Official
- Environmental Services
- Facility Management
- Purchasing
- Planning and Development
- Operations



Q3: Does your organization have an *Energy Management Program? (n=18)

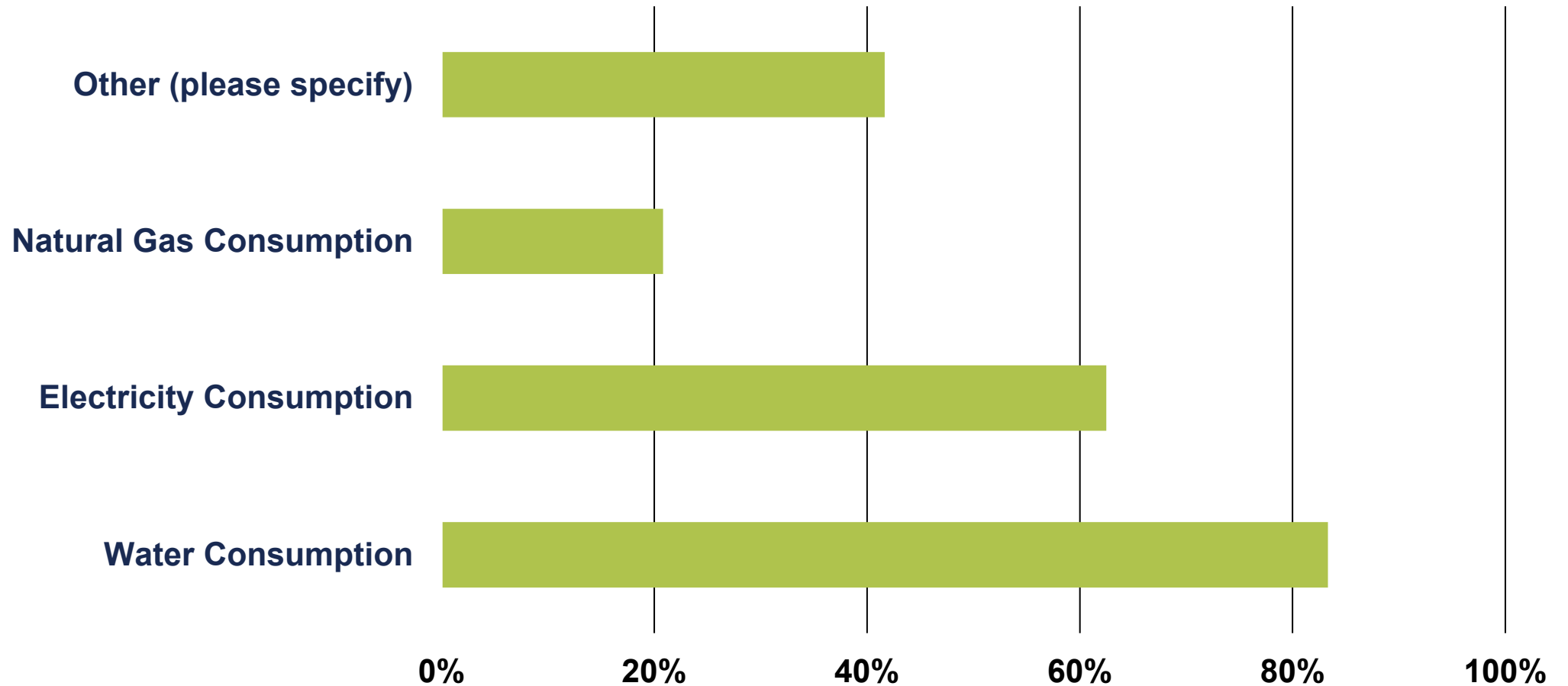


Q4: Please describe your Energy Management Program. (n=3)

- We have (3) Building Management Systems and policies for energy conservation.
- Our plan uses the city's definition of the term sustainability. Limited resources (land, water, energy, clean air, natural assets, and public funds) are used efficiently to provide a desirable quality of life and business climate for residents and businesses without reducing the city's ability to provide that same quality of life and business climate for future generations of residents and businesses.
- The city employs several practices to monitor and reduce energy consumption:
 - As facilities and building systems are updated, staff track improvements such as lighting, HVAC, and other equipment upgrades.
 - Utility billing and building management systems are used to monitor energy performance, particularly HVAC operations.
 - The city works with an energy advisor who accesses utility usage data and assists with energy procurement, rate analysis, and other energy-management services and provides energy audits on an as-needed basis. The energy advisor assists in identifying opportunities for additional savings, such as replacing outdated lighting and improving facility efficiency.
 - Finally, the city participates in demand response and peak-load management programs.



Q5: What is included in the scope of your entity's Energy Management Program? (n=4)



Q5 Continued: What is included in the scope of your entity's Energy Management Program (Other responses) (n=2)

- The city tracks water consumption through its utility monitoring process. Electricity use is tracked primarily through utility billing, with limited solar generation data available through the Tesla platform for select facilities. Overall, the City's ability to monitor electricity consumption beyond utility records is currently limited.
- Reducing greenhouse gases with our fleet.



Q6: Do you currently utilize an Energy Benchmarking Program, or have you used one in the past? (n=9)

YES (3)

(PLEASE IDENTIFY WHICH PROGRAM)

Chevron Energy Solutions
and OpTerra Energy Services

Texas-New Mexico Power
and Frontier

Energy Star Portfolio
Manager

NO (6)

(PLEASE EXPLAIN WHY NOT)

Have not had an energy
management study

Staffing requirements

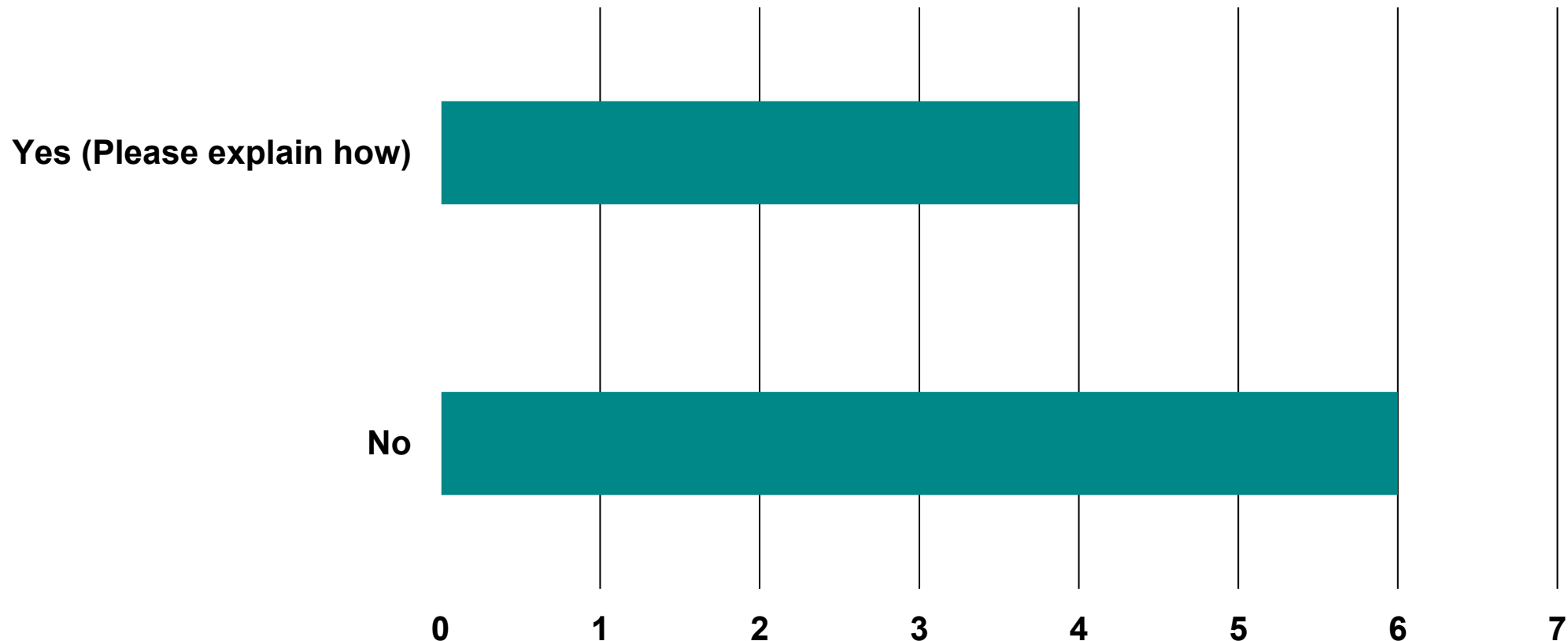
Not heard of before

Budgetary constraints

Unsure



Q7: Does your organization regularly identify potential energy or water savings projects in your facilities to lower energy costs? For example, undergoing an internal energy audit every three years or an annual facility walk-through to identify improvement opportunities: (n=10)

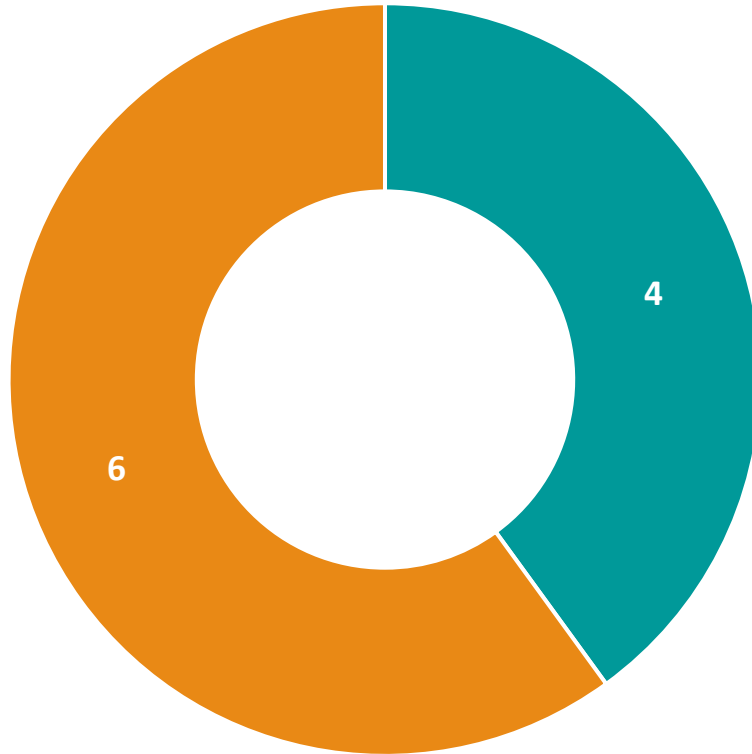


Q7 Continued: If yes, please explain how: (n=4)

- Failure of existing equipment is replaced with energy efficient equipment; lighting is replaced with LED retrofits.
- Facility walk-throughs are common and facility assessments are completed about every 10 years.
- Implementation of strategies such as tiered or seasonal water rates that provide incentives for conservation; an LED change-out program; and replacement of equipment with ENERGY STAR ® products.
- Annual facility walkthroughs to identify opportunities for equipment replacement and efficiency improvements; replacement of equipment with newer, more energy-efficient models; and lighting upgrades, replacing older fixtures with LED technology where appropriate. Energy efficiency improvements are incorporated into ongoing maintenance and capital replacement activities.



Q8: Does your organization fund energy or water conservation projects in your facilities to lower costs? (n=9)



■ YES ■ NO



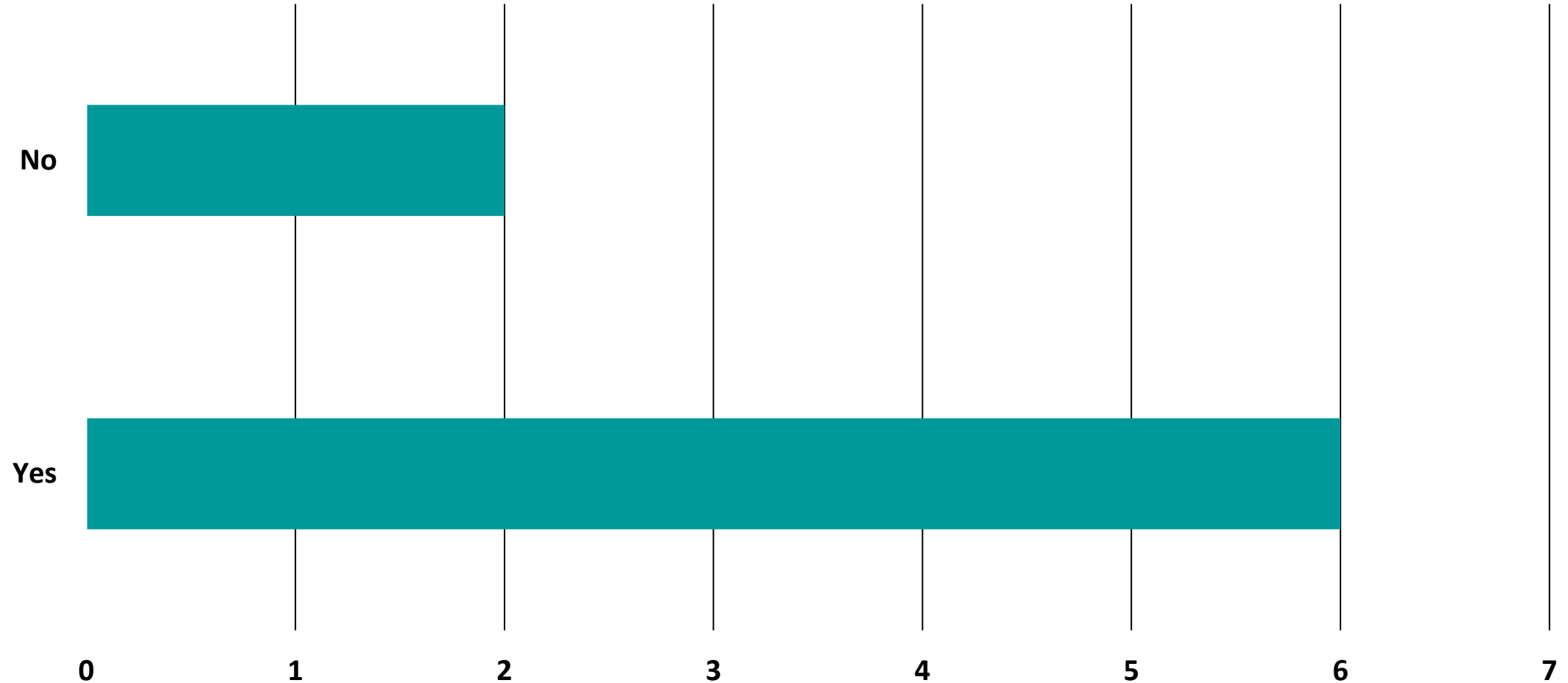
Q8 Continued: If yes, please explain how your organization funds energy or water conservation projects : (n=4)

- Typically funded by utilizing grants.
- Energy and water improvements are often made as buildings are updated; utilize grants to supplement city budgets.
- Retrofit fixtures with purchase of LEDs; increase the SEER rating when upgrading HVAC; and increase R value of insulation when replacing roofing systems.
- One of the city's most significant recent energy-efficiency projects has been the replacement of aging HVAC systems with newer, more energy-efficient equipment. In addition to reducing energy consumption and improving system performance, these replacements are tracked through the City's asset management processes, allowing Facilities staff to monitor equipment age, maintenance needs, and lifecycle replacement planning.

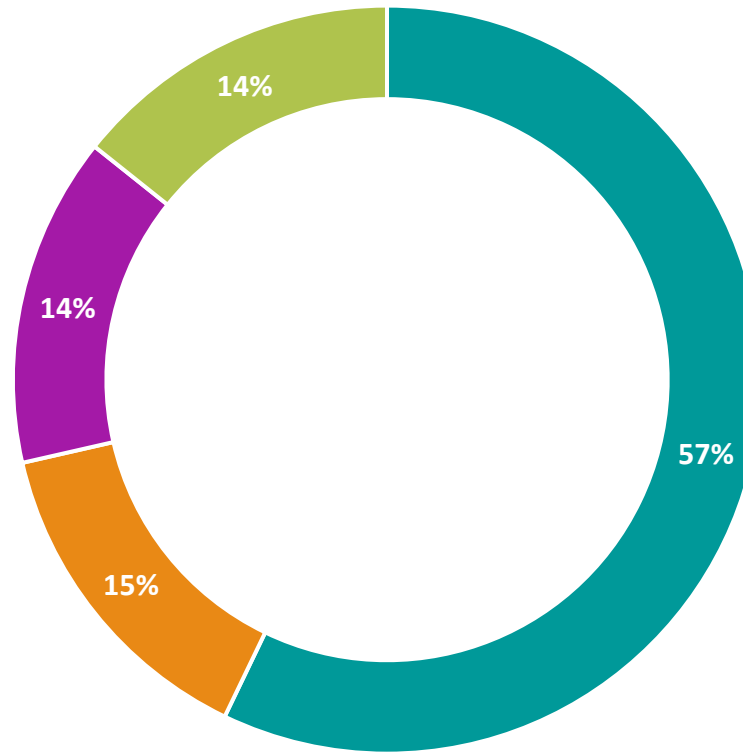


Q9: Does your organization have equipment (boilers, HVAC, etc.) that is not EnergySTAR certified, is outdated by at least 15 years, or has been subject to deferred maintenance in your facilities?

(n=8)



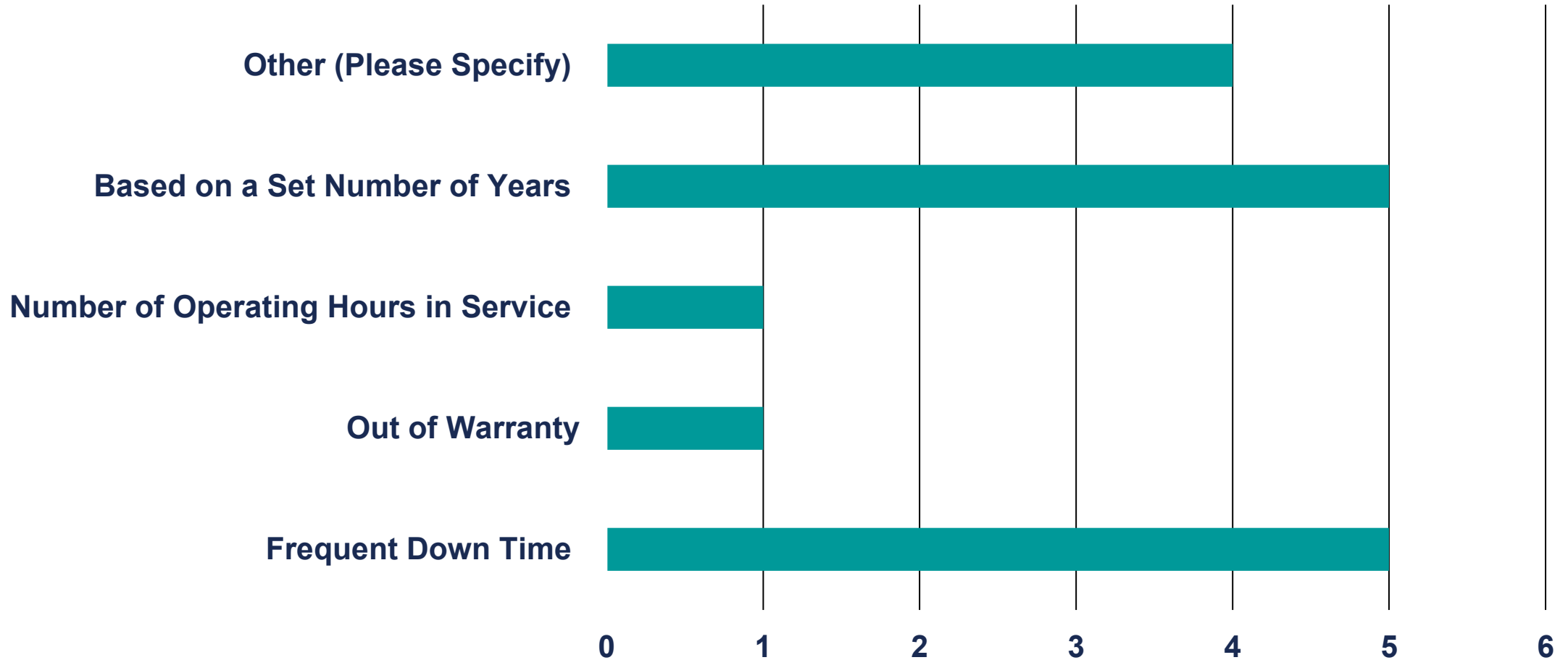
Q9 Continued: If yes, please indicate the biggest barrier to proceeding with updates to the equipment: (n=6)



- Budget/Funding Constraints
- Staffing Capacity
- Deferred Replacement Practices
- Unknown



Q10: How does your organization make or prioritize equipment replacement decisions? (Select all that apply) (n=8)



Q10 Continued: If other, please specify how your organization makes or prioritizes equipment replacement decisions: (n=4)

ASHRAE replacement schedules

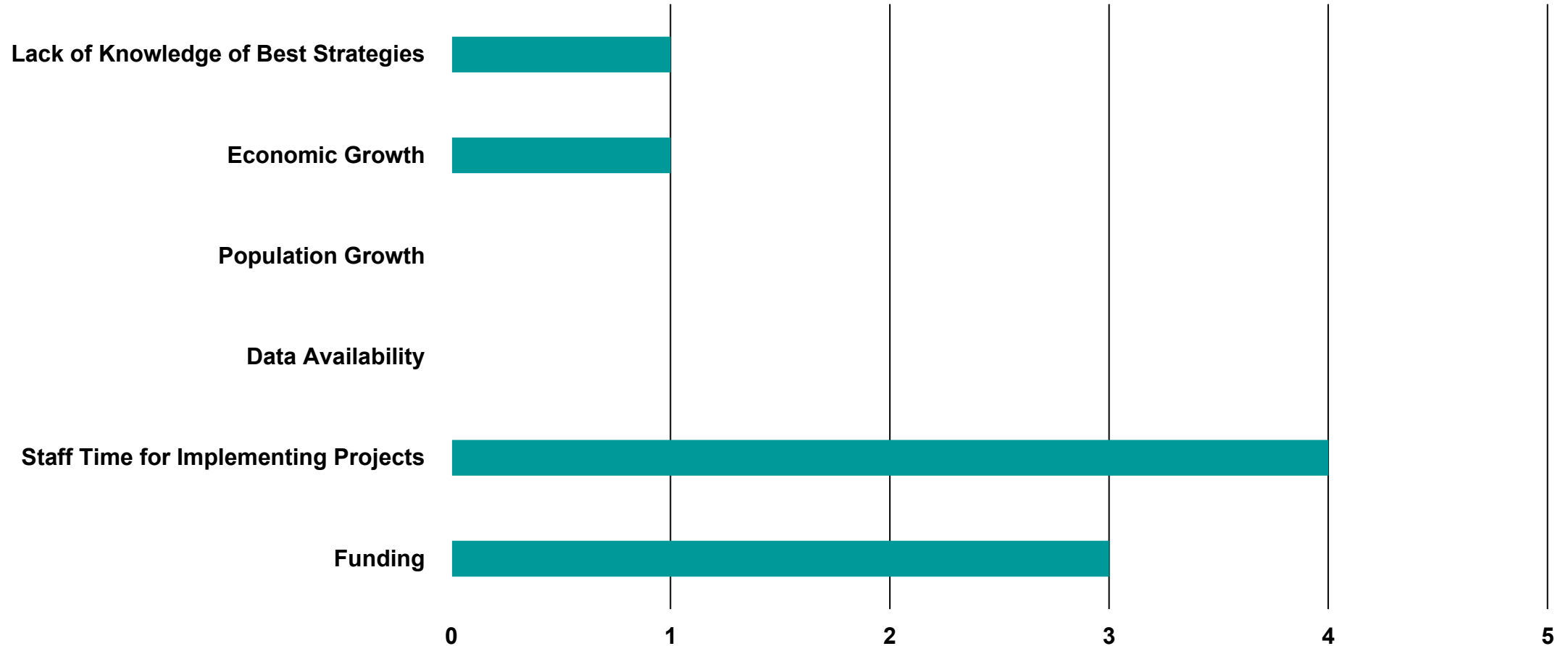
Established replacement program for when funding is identified

Defer replacement until equipment failure

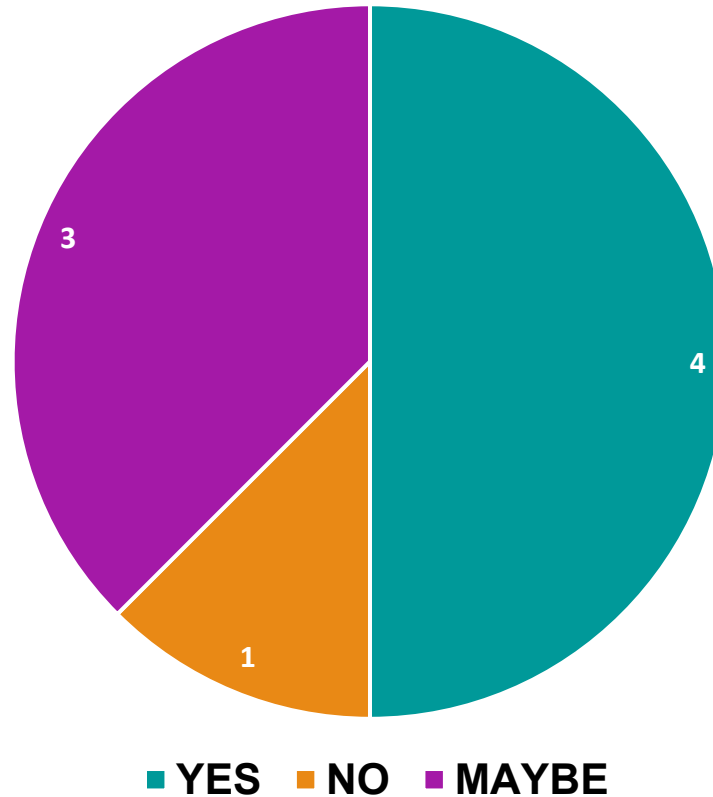
Process unknown



Q11: What is your biggest barrier to reducing energy and water consumption at your organization's facilities? (n=9)



Q12: Would you be interested in receiving a free Preliminary Energy Assessment from the State Energy Conservation Office to assist your organization in reducing utility costs and meeting energy reduction goals? (n=8)



Local Government Energy Reporting

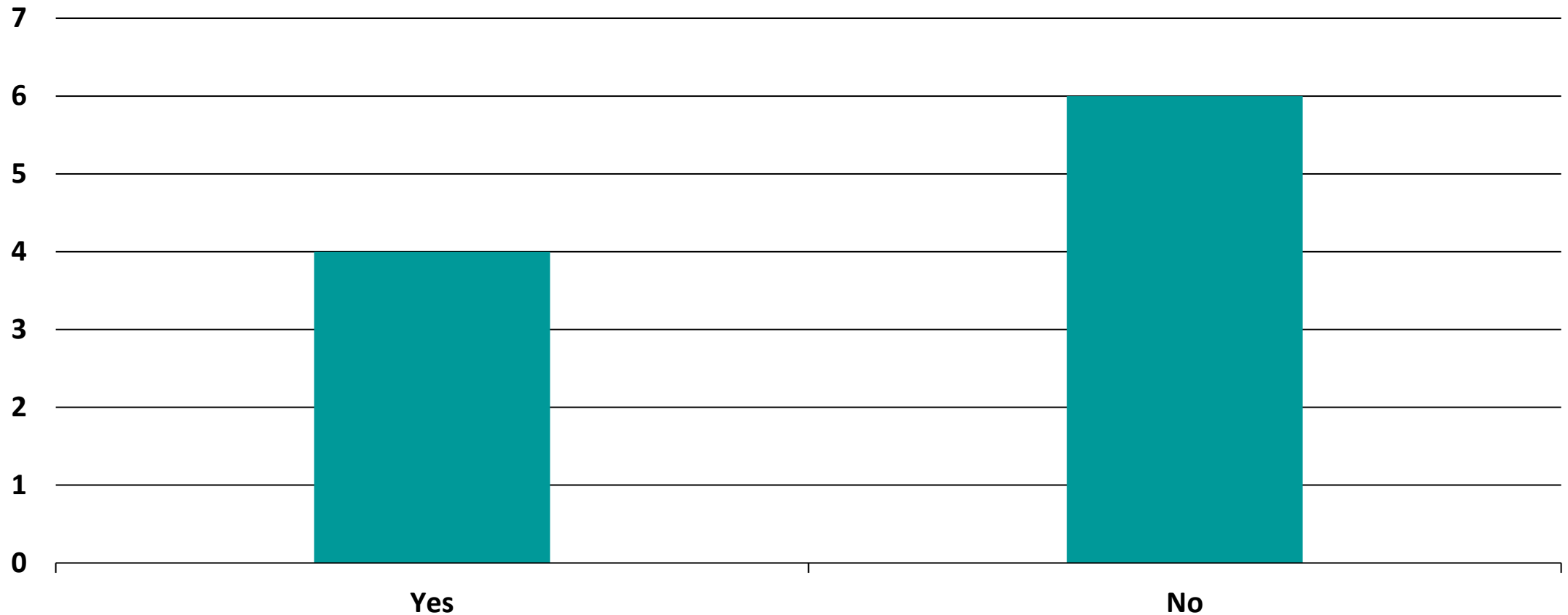
According to the Texas Health and Safety Code §388.005(c), all political subdivisions in an ozone nonattainment area, or affected county, are required to establish a goal to reduce electric consumption by at least 5% each state fiscal year for seven years beginning September 1, 2019. Affected entities must submit an annual report to the State Energy Conservation Office (SECO) on their efforts to achieve that goal.

The following questions addressed local government energy reporting.

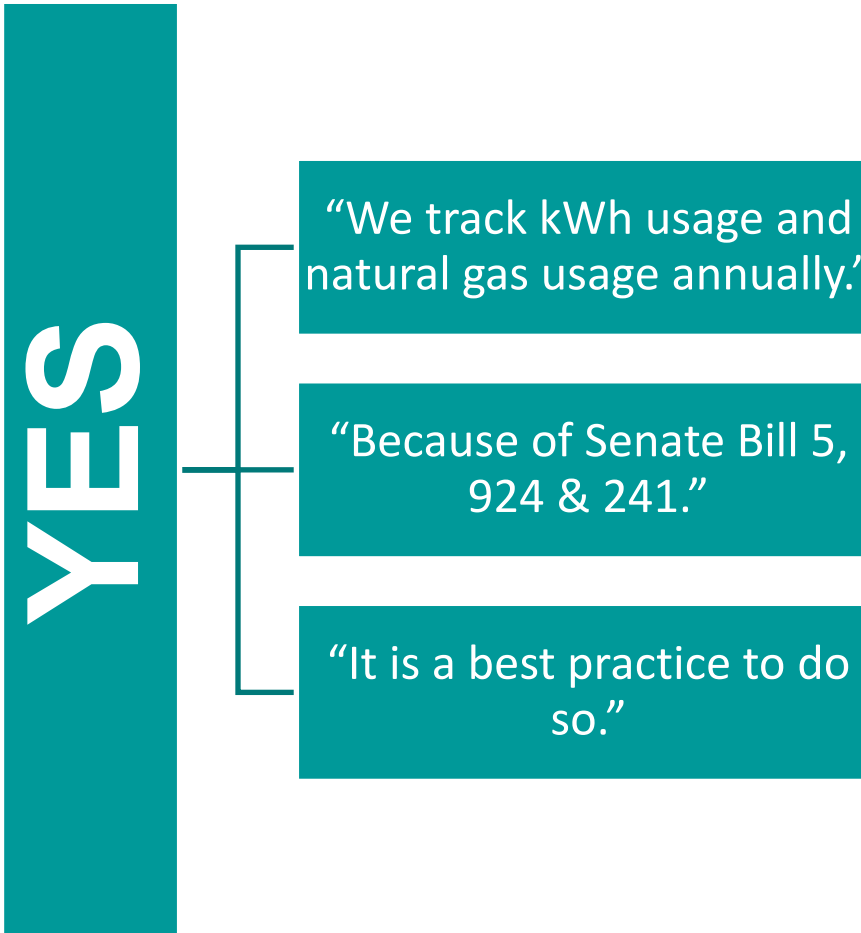


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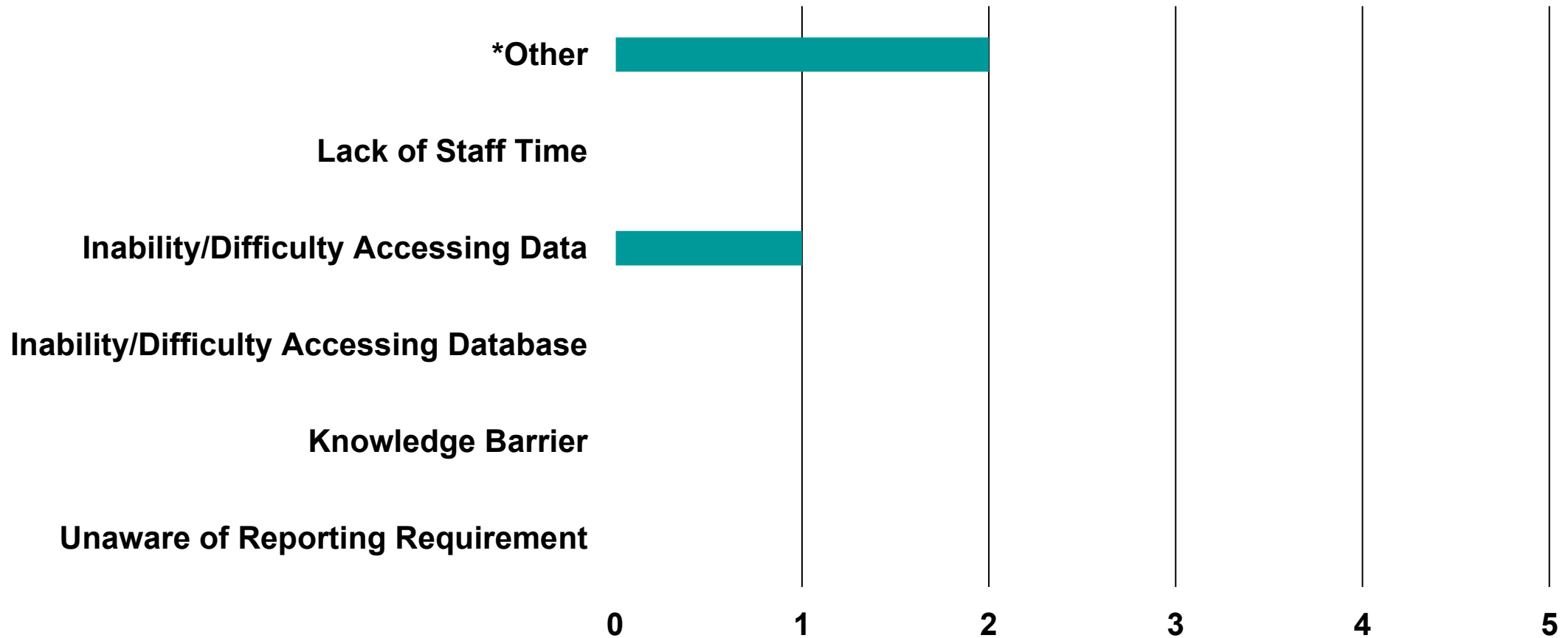
Q13: Has your entity ever submitted a report as part of the State Energy Conservation Office Local Government Energy Reporting (LEGR) program? (n=10)



Q14: If you have reported in the past, does your organization plan to continue tracking and/or reporting energy consumption? If yes, please explain why. (n=3)



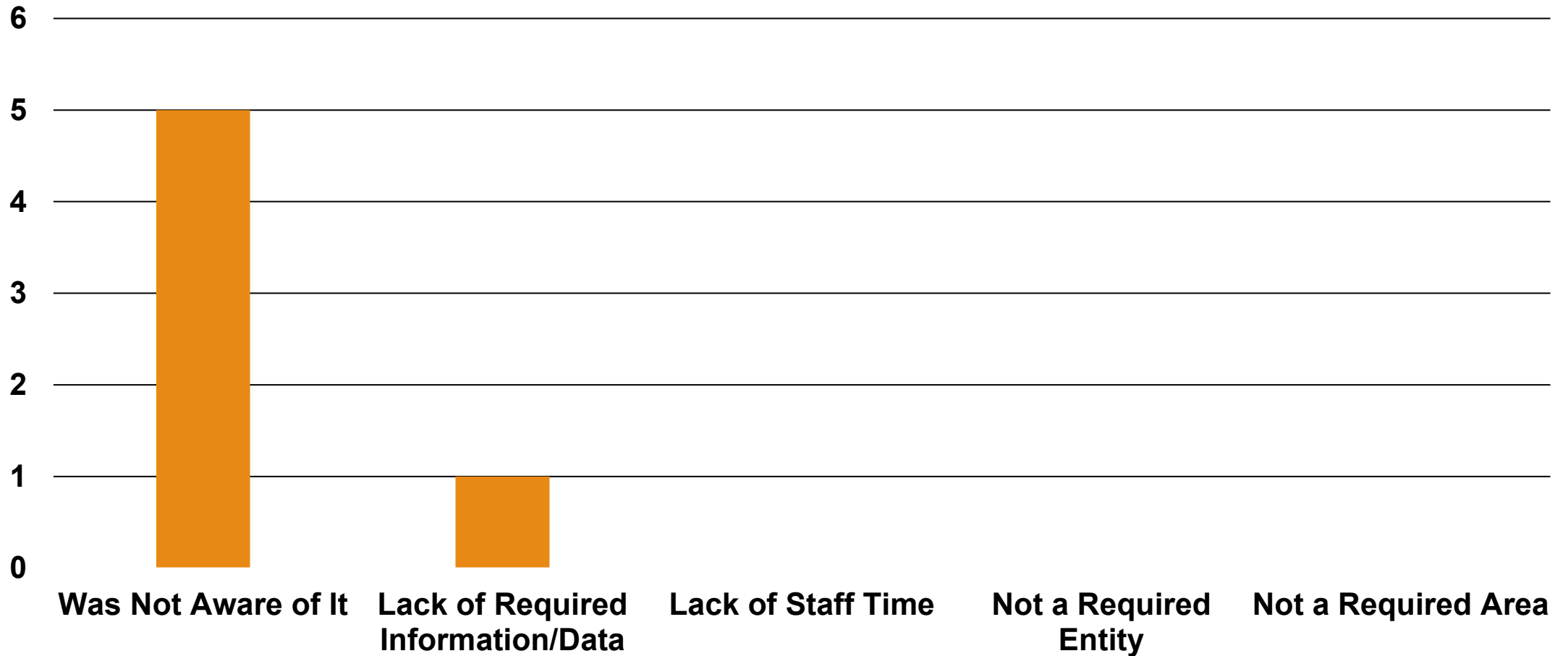
Q15: If you have reported in the past, what were the biggest challenges or barriers in completing or submitting the report? (n=3)



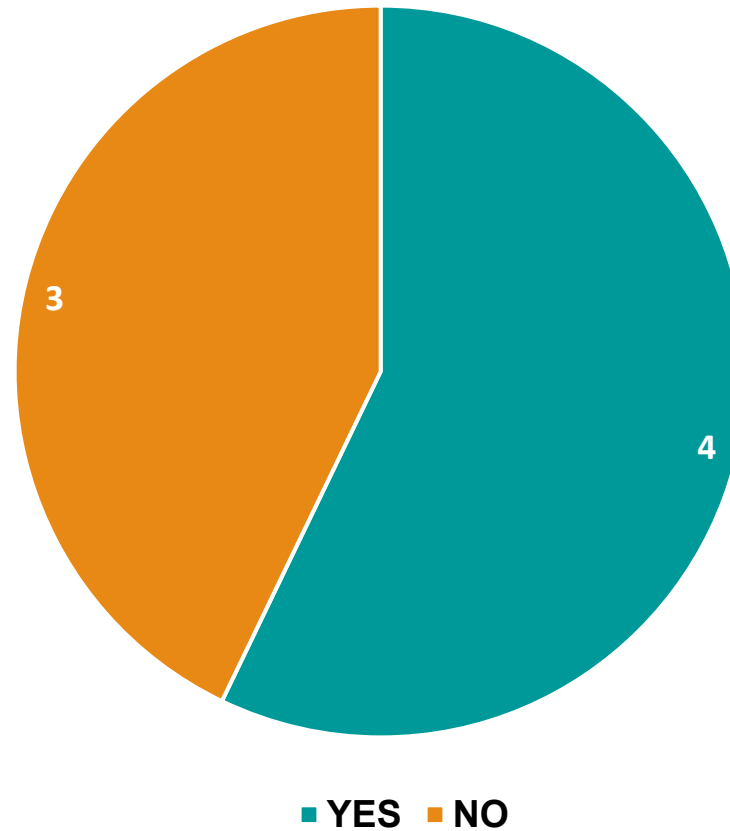
*Other responded as having no difficulty submitting the report



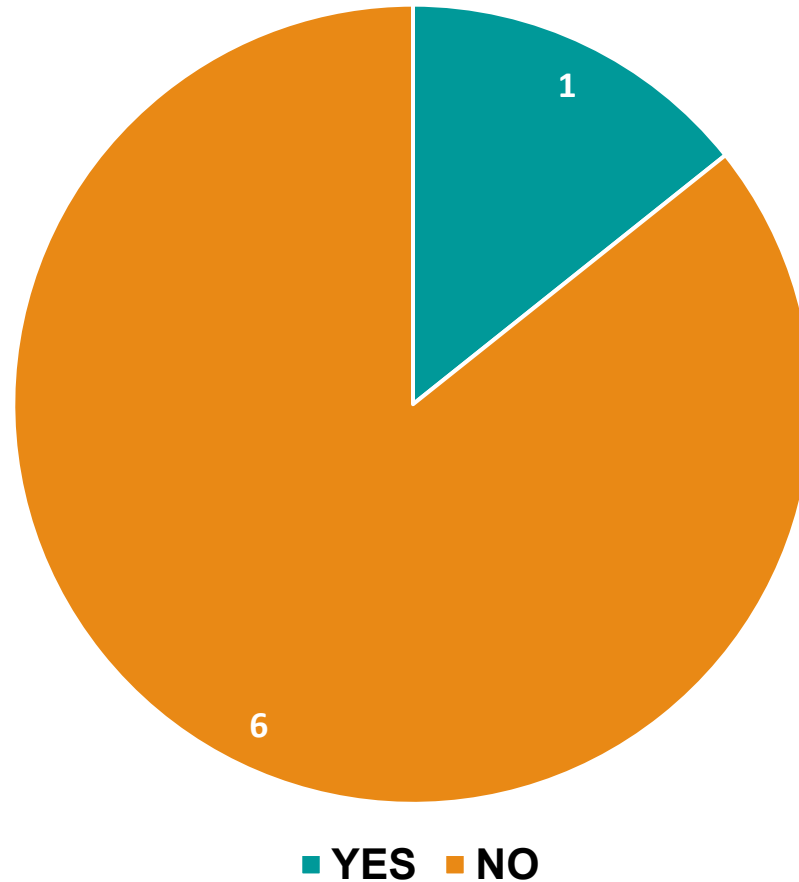
Q16: If you have not reported in the past, why did your entity not complete the Local Government Energy Reporting? (n=6)



Q17: Would you be interested in attending a roundtable to discuss the impacts of completing the LGER over the past 6 years and what NCTCOG and/or SECO can do to assist local governments in continuing to benchmark their energy and water consumption?
(n=7)



Q18: If yes, would you be interested in presenting at a roundtable on how your entity tracks energy and water consumption? (n=7)



Familiarity with Existing NCTCOG Resources

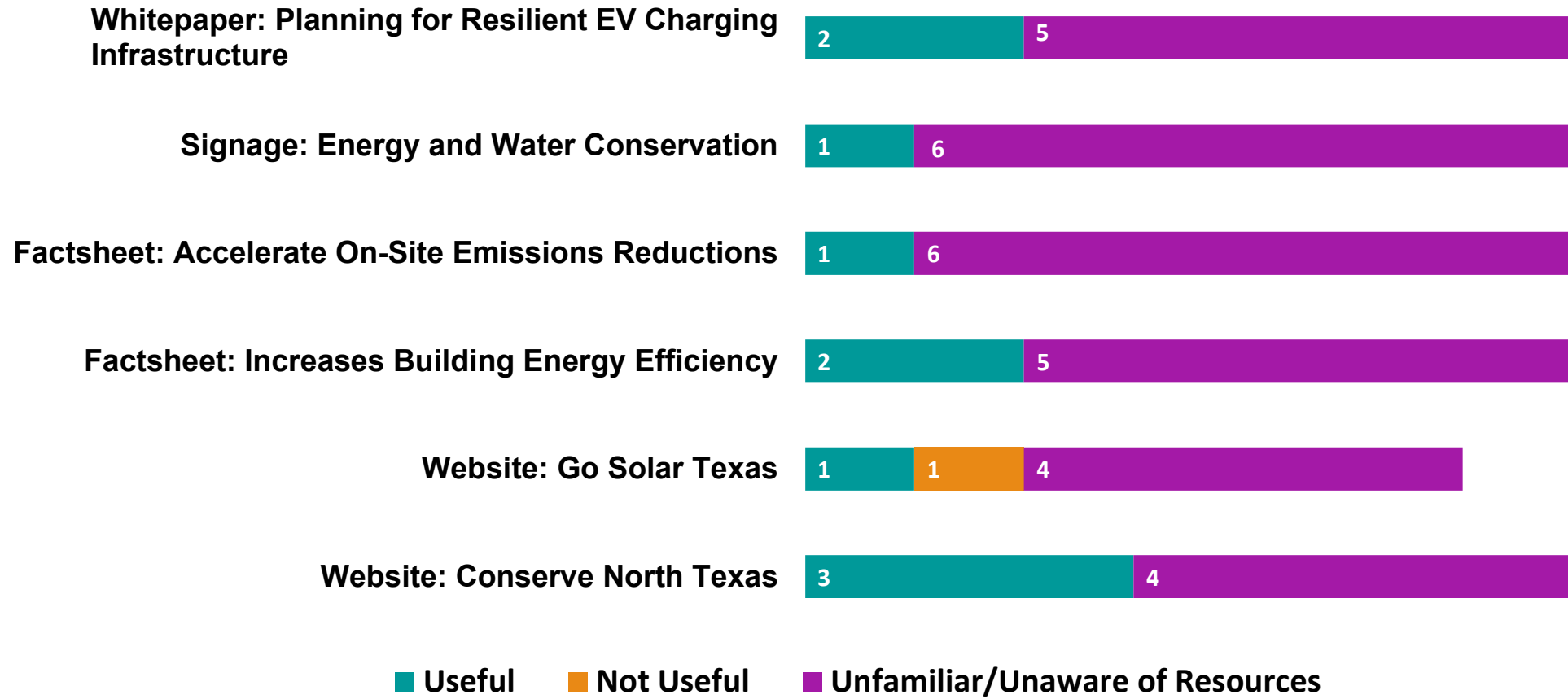
NCTCOG has worked under contract with SECO since 2019 to develop materials that help local governments comply with state energy reporting requirements and increase capabilities related to energy efficiency and energy management.

The following questions assessed familiarity with newly developed, or recently updated, NCTCOG websites and resources.

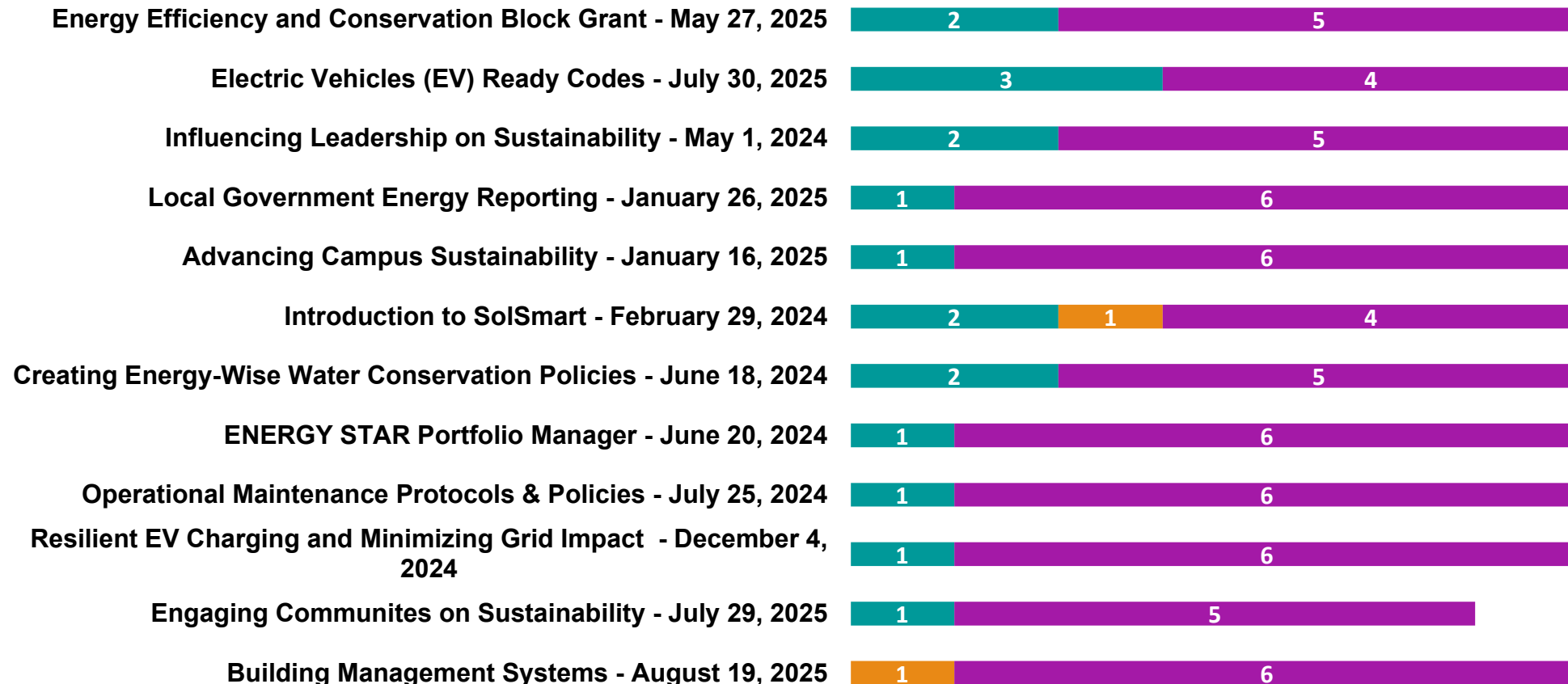


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Q19: Please indicate how useful you find the following newly developed or recently updated NCTCOG websites and resources. (n=7)



Q20: Please indicate how useful you find the following events recently hosted by NCTCOG. (n=7)



■ Useful ■ Not Useful ■ Unfamiliar/Unaware of Resources



NCTCOG Future Activities & Identifying Regional Priorities

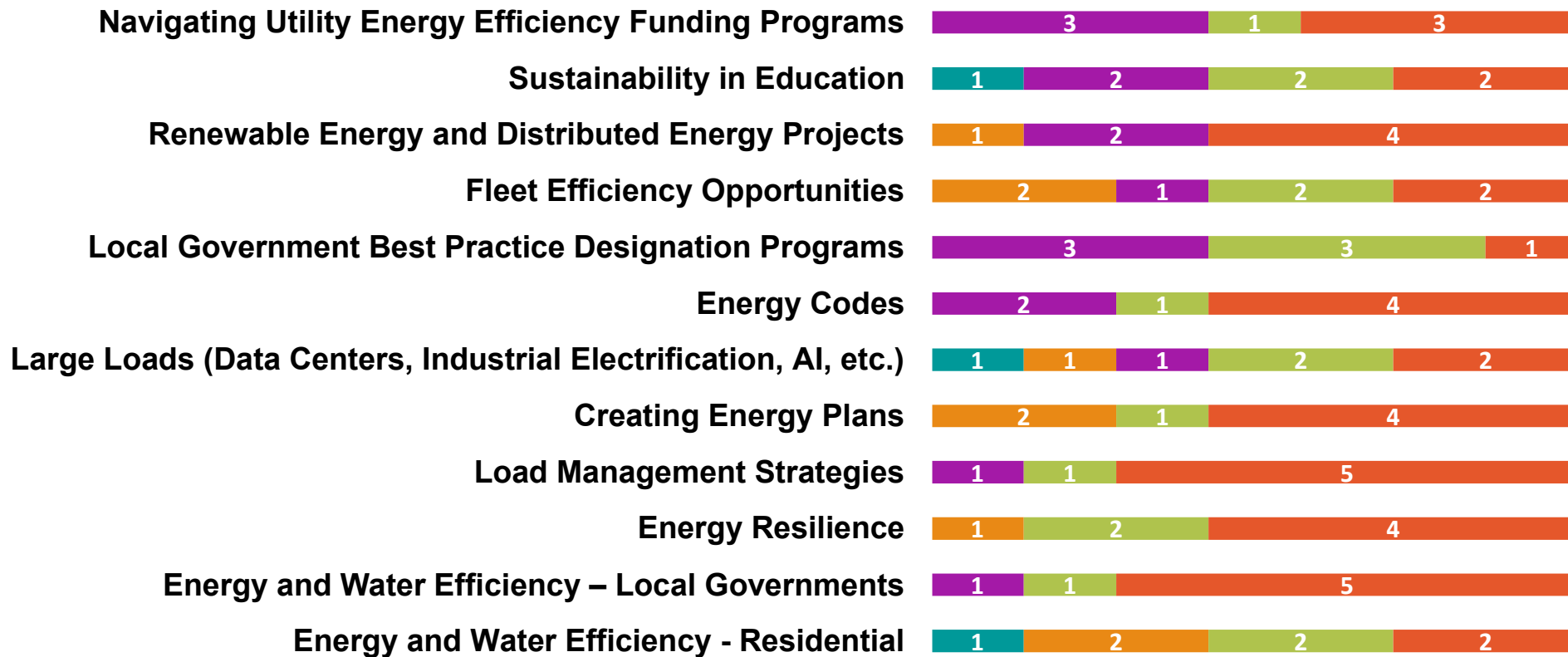
To assist NCTCOG in coordinating future resources and educational events based on regional interests and needs, survey participants were asked to provide input on additional topics of interest.

The following results will assist with planning and optimizing the value of these events and resources.



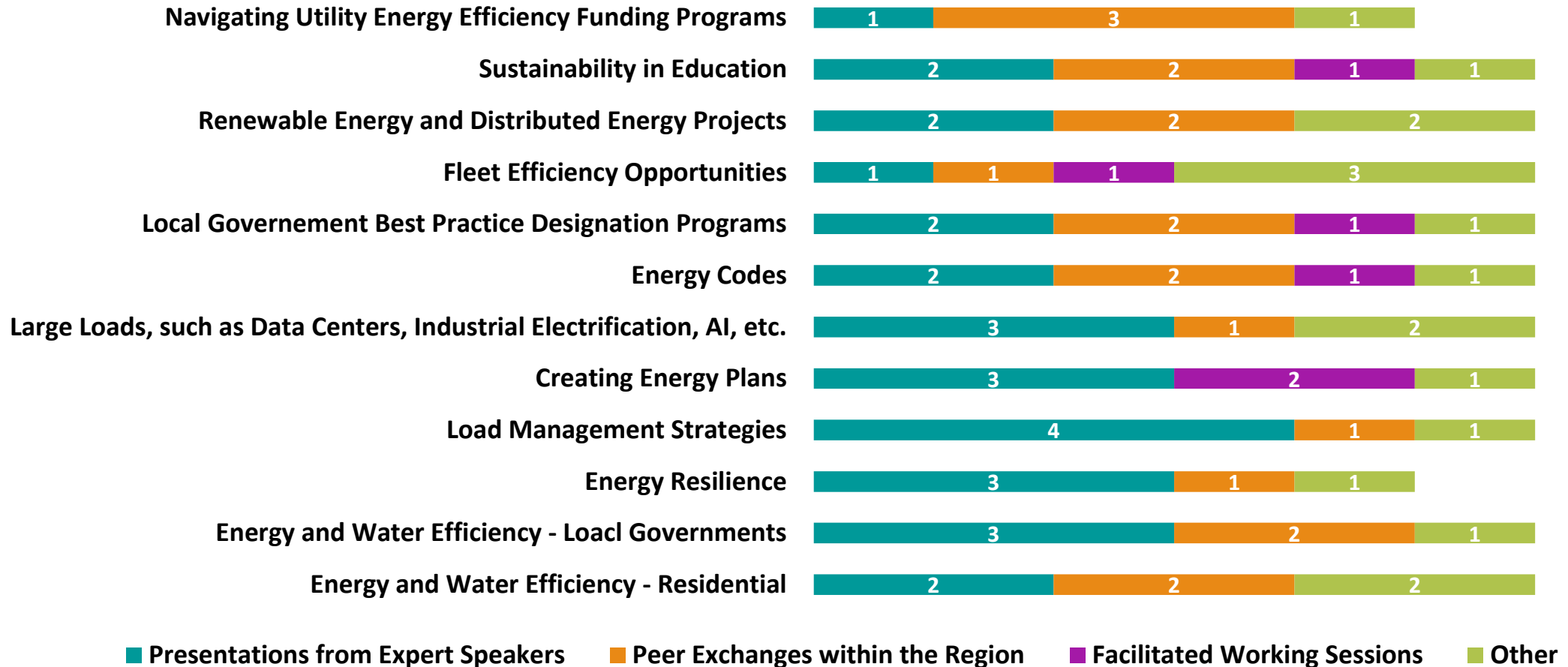
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Q21: Rate the following topics from one (1) to five (5), with one (1) being a topic you are not interested in and five (5) being a topic you are very interested in. Consider the topics you would like to learn more about through a workshop, webinar, roundtable, or resource development. (n=7)



■ 1 (Not Interested) ■ 2 ■ 3 ■ 4 ■ 5 (Very Interested)

Q22: For the prioritized list of topics in the previous question, please indicate your preferred training format for the topics you are most interested in (e.g. presentations from expert speakers, peer exchanges within the region, facilitated working sessions, etc.). (n=6)



Q23: If you selected "Other" for any topic listed in question 22, please specify a desired training format for the topic(s). (n=3)



Email Notification



Whitepaper



Web Based



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Q24: Describe any additional resources or technical assistance that would be helpful to you in terms of energy management topics. Please include any additional comments you have related to NCTCOG energy related items. (n=1)

“Energy Management is an area of growth for our city; we currently do not have dedicated staff focused on this effort and are working on increasing our staff capacity in this area.”

