

Uptime Institute Climate Change Survey Results

MARCH 2025

SUMMARY

Two-thirds of respondents to Uptime Institute's Climate Change Survey (68%) say they currently conduct climate change resiliency assessments for their infrastructure. Moreover, 57% say it's a formal requirement for their organization.

More than half of operators (52%) say their organization experienced an extreme weather event within the past three years that threatened continuous operations, with 9% saying that an extreme weather event resulted in one or more outages.

Most operators (80%) believe that data center environmental commitments are effective in curbing greenhouse gas emissions along with energy and water use – with 23% saying such efforts are “very effective.”

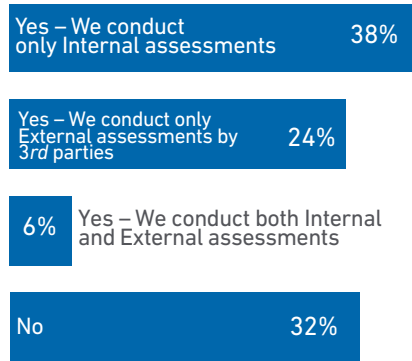
ABOUT THIS SURVEY

Uptime Institute's Climate Change survey was conducted between December 3, 2024 and January 21, 2025 and had a total of 974 data center industry respondents.

This report is based on 491 data center owner/operator respondents who participated in the survey.

Data center climate resiliency assessments

I. Does your organization currently conduct climate change/weather-related resiliency assessments for your data center infrastructure? (n=410)

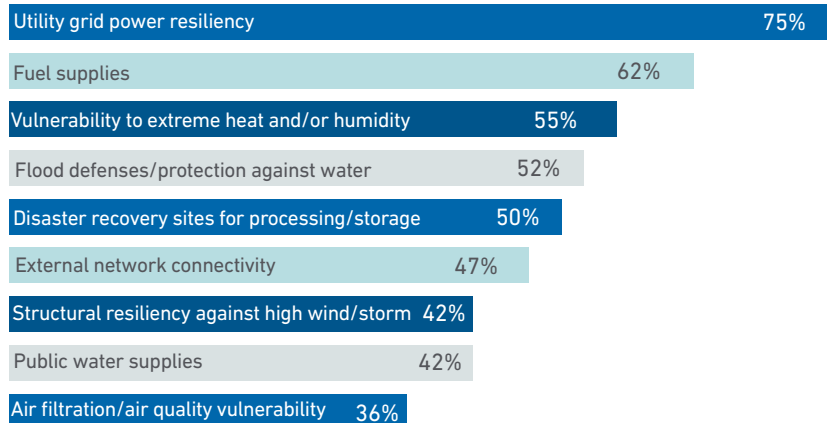


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Climate resiliency assessments: areas of focus

III. Regarding your organization's climate change/weather-related resiliency assessments, which of the following areas do you typically review? Choose all that apply. (n=448)

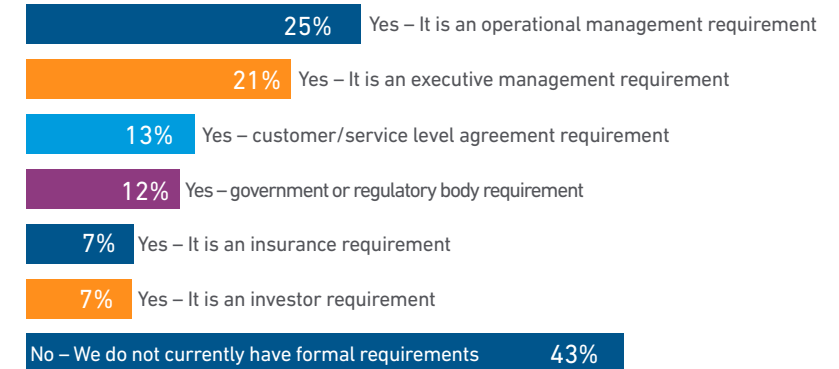


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Are climate resiliency assessments formally required?

II. Are you formally required to conduct climate change/weather-related resiliency assessments for your data center infrastructure? Choose all that apply. (n=448)

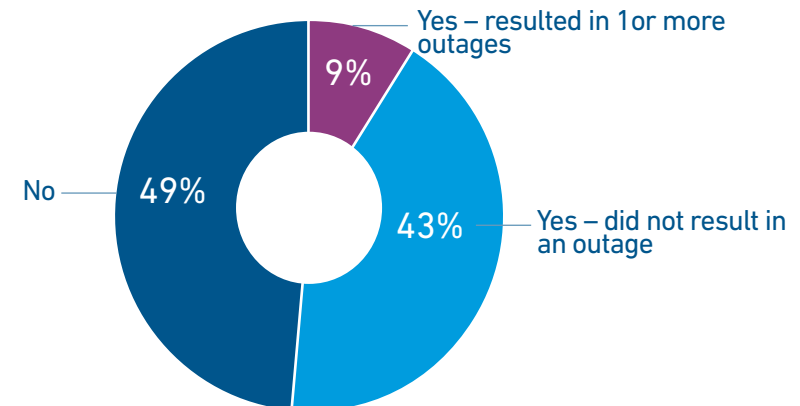


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Impact of extreme weather on data center operations

IV. Within the last three years, have your organization's data centers in your region experienced an extreme weather event that threatened continuous operation? (n=430)

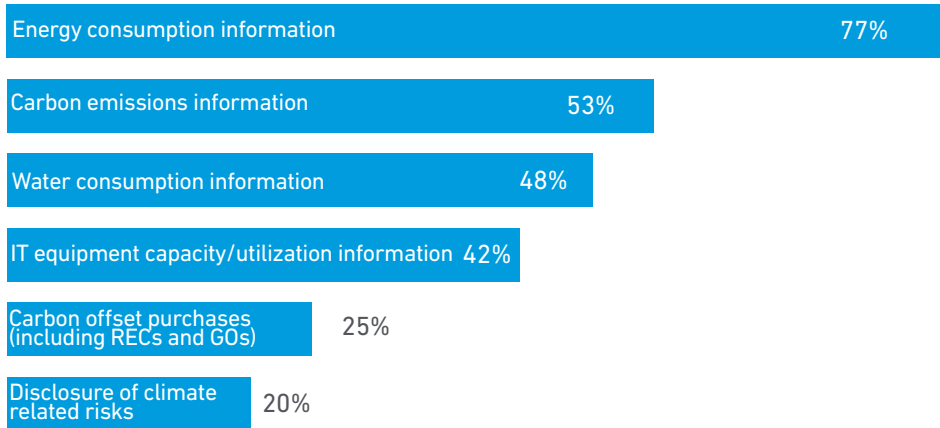


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Regulatory reporting requirements

V. Which of the following types of information is your organization required to provide in order to satisfy its 2024 regulatory requirements? Choose all that apply. (n=328)

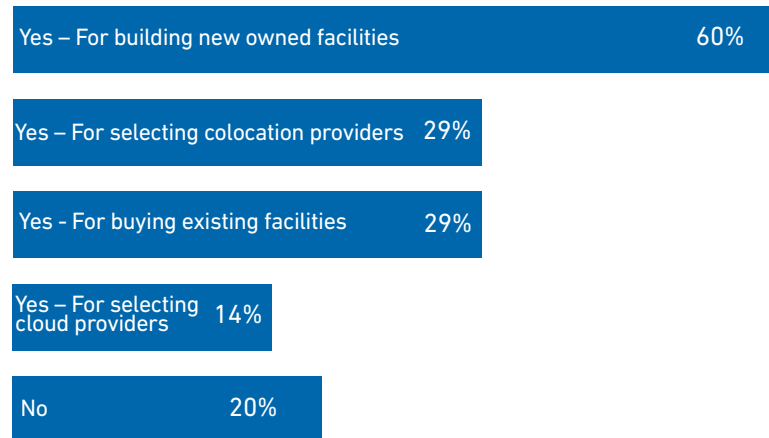


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Location selection and climate change risk

VII. Do you factor in climate change risks when considering location selections for any of the following? Choose all that apply. (n=407)

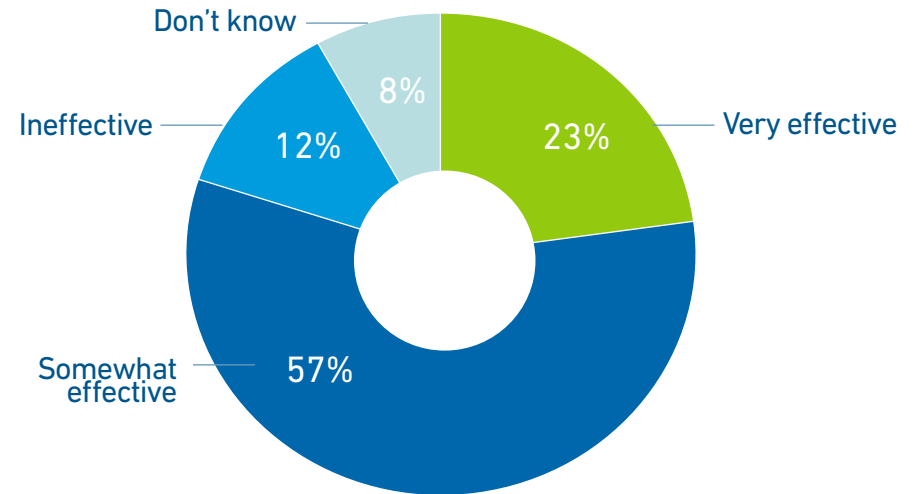


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How effective are data center environmental commitments?

VI. Regarding the global data center sector, how effective do you think its environmental commitments are in curbing data center energy use, water use, and greenhouse gas emissions? (n=329)



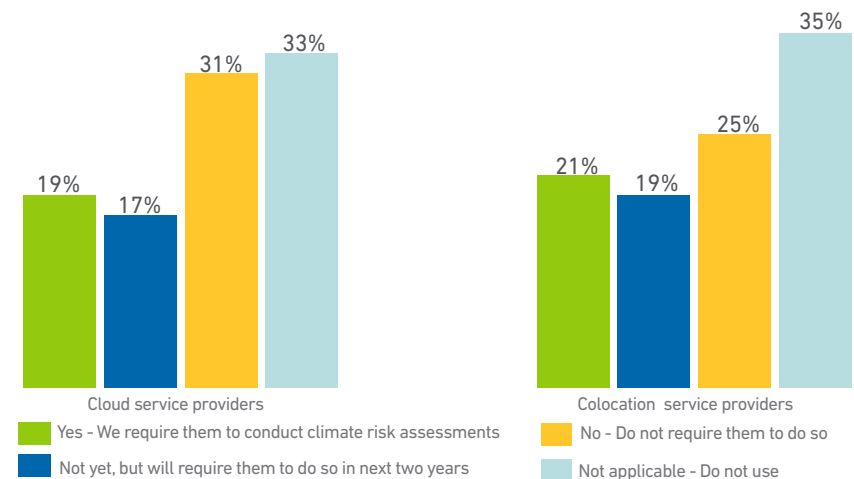
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Climate risk assessment requirements for service providers

VIII. Do you require your cloud service providers to provide you with climate risk assessments? (n=403)

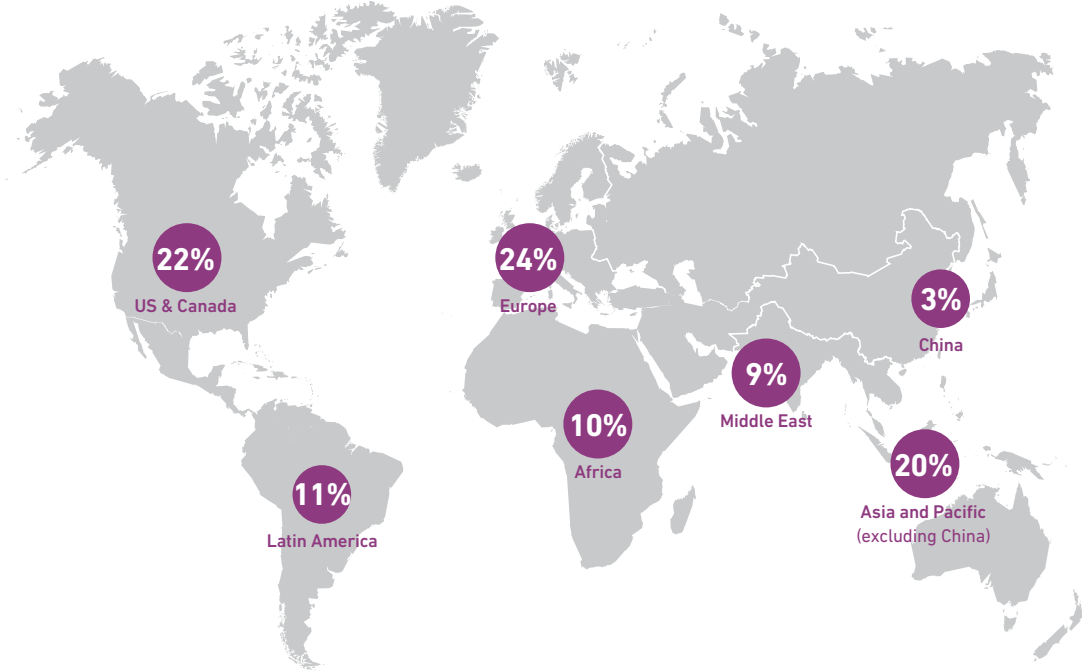
VIII. Do you require your colocation service providers to provide you with climate risk assessments? (n=403)



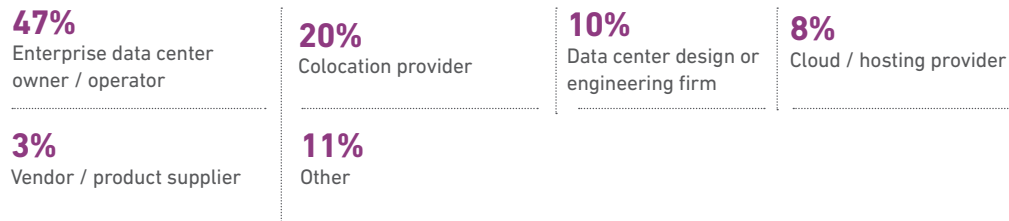
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Owner/Operator Respondent Demographics

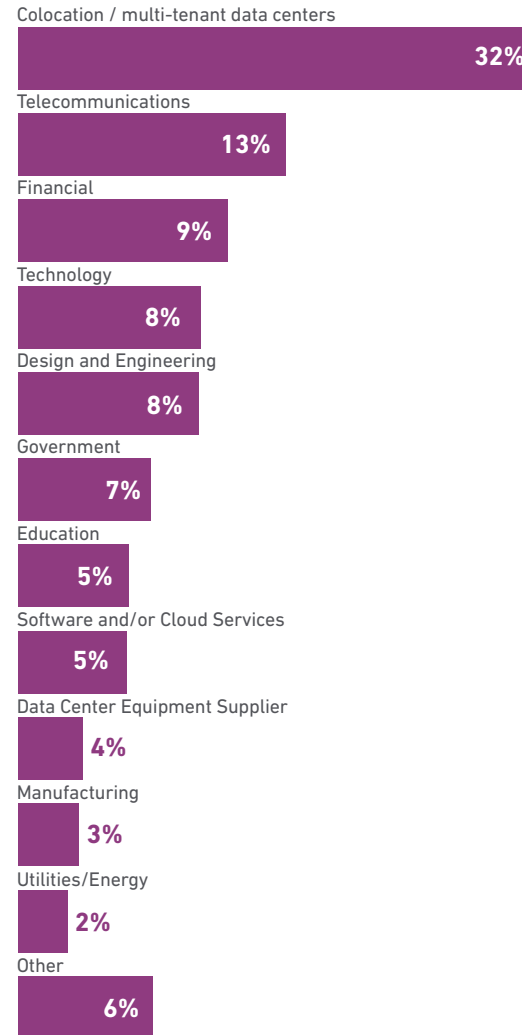
Respondents' location (n=491)



Digital infrastructure environment (n=491)



Verticals (n=323)



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About Uptime Institute

Uptime Institute is the Global Digital Infrastructure Authority. Its Tier Standard is the IT industry's most trusted and adopted global standard for the proper design, construction, and operation of data centers – the backbone of the digital economy.

For over 25 years, the company has served as the standard for data center reliability, sustainability, and efficiency, providing customers assurance that their digital infrastructure can perform at a level that is consistent with their business needs across a wide array of operating conditions.

With its data center Tier Standard & Certifications, Management & Operations reviews, broad range of related risk and performance assessments, and accredited educational curriculum completed by over 10,000 data center professionals, Uptime Institute has helped thousands of companies, in over 100 countries to optimize critical IT assets while managing costs, resources, and efficiency.

Uptime Institute is headquartered in New York, NY, with offices in Seattle, London, Sao Paulo, Dubai, Singapore, and Taipei. For more information, please visit www.uptimeinstitute.com

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