

**#9**

**COMPLETE**

**Collector:** Web Link 3 (Web Link)

**Started:** Monday, March 16, 2015 9:52:35 AM

**Last Modified:** Monday, March 16, 2015 10:06:56 AM

**Time Spent:** 00:14:21

**IP Address:** 12.232.101.6

PAGE 1: Welcome

**Q1: Name**

First name, last name initial

David L lLewDaL

PAGE 2: Which of the following do you do in your position?

**Q5: [If more than one data center] For how many**

**data centers are you involved in major equipment purchase and maintenance decisions?**

7

|  |  |
| --- | --- |
| **Q2: Do you participate in decisions about purchasing equipment for your data center (e.g., servers, software, racks, lighting, cooling equipment)?** | Yes |
| **Q3: Do you participate in decisions about servicing or maintaining equipment for your data center?** | Yes |
| **Q4: How many data centers, server rooms, and server closets does your company own or operate?** | 7 |

PAGE 3

**Q6: The majority of the data centers you help**

**manage are:**

Localized data centers (500 – 5,000 square feet)

**Q7: What is the average number of racks in your**

**typical data center?**

<2,000 (please enter the value below) 10

**Q8: How many servers are there in your**

**organization as a whole?**

< 2,000

PAGE 4

**Q10: Which sectors does your data center support?**

**(Name no more than three)**

Education

**Q9: What type of data centers does your company**

**operate?**

Server rooms or closets,

Enterprise/corporate data centers

**Q11: What state(s) are your data centers located in?**

NY, DC, IL, CA, MT

PAGE 5

**Q16: Have you had an energy audit performed by a**

**third party within the last three years?**

Yes

|  |  |
| --- | --- |
| **Q12: When did you last pursue a major equipment purchase/upgrade for your data center?** | Within the last 3 years |
| **Q13: How often do you replace servers in your data centers?** | 5 |
| **Q14: How often do you make major infrastructure upgrades to your data centers?** | 10 |
| **Q15: Do you actively participate in the EnergySTAR Buildings, Green Grid, or another third-party energy- efficiency program?** | Yes |

PAGE 6

**Q22: If YES, what is the average server utilization**

**rate of your data centers?**

Don't have an exact figure

|  |  |
| --- | --- |
| **Q17: Do you track energy use on a regular basis?** | Yes |
| **Q18: If YES, what is the typical electricity consumption (kwh) of one of your data centers?** | Don't have an exact figure |
| **Q19: Do you track power usage effectiveness (PUE) or any other efficiency measures?** | No |
| **Q20: If YES, what is the average PUE of your data centers?** | *Respondent skipped this question* |
| **Q21: Do you track server utilization?** | Yes |

PAGE 7

**Q23: Do you rent data center space from another**

**company?**

Yes

**Q24: If YES, what percentage of your data center**

**needs are met by renting space from others?**

5

**Q25: Do you lease or outsource from another company any of the following elements of your data**

**centers?**

Servers

No

Facility management

No

Maintenance & repairs

No

PAGE 8

**Q26: Do you lease space in your data center(s) to**

**other companies?**

No

**Q27: If YES, what percentage of your racks are**

**leased to other companies?**

*Respondent skipped this*

*question*

**Q28: If you lease data center space to or from**

**another company, does the tenant or facility owner typically pay for electricity costs?**

*Respondent skipped this*

*question*

PAGE 9: Facility Management

**Q29: Regarding Facility Management; has your company considered or used any of the following**

**technologies and energy saving strategies: (check all that apply)**

Isolating hot/cold aisles

HAS USED; Would use again

Blanking panels

HAS USED; Would use again

Enclose server racks (e.g., strip curtains)

HAS USED; Would use again

Data center infrastructure management (DCIM)

software

NEVER USED; Would consider using in the

future

Raising temperature set points

NEVER USED; Would consider using in the

future

Variable speed fan drives

NEVER USED; Would consider using in the

future

Energy-efficient air handling units

HAS USED; Would use again

Modular facility design for data center expansion

HAS USED; Would use again

Air-side economizer

NEVER USED; Would consider using in the

future

Water-side economizer

NEVER USED; Would consider using in the

future

Energy-efficiency lighting

HAS USED; Would use again

Predictive modeling of future IT deployments

NEVER USED; Would consider using in the

future

**Q30: What is the typical facility temperature?**

74

PAGE 10: Servers

**Q31: Regarding Servers; Has your company considered or used any of the following technologies**

**and energy saving strategies: (check all that apply)**

Energy efficient server hardware (e.g., power supply,

fans, etc.)

NEVER USED;Would consider using in the

future

Underclocking

NEVER USED;Would consider using in the

future

Virtualization

HAS USED;Would use again

Decomission idle servers

HAS USED;Would use again

Consolidate lightly used servers

HAS USED;Would use again

Improve data storage efficiently

NEVER USED;Would consider using in the

future

IT power management software

NEVER USED;Would consider using in the

future

PAGE 11: [Multi-tenant DCs] Adjust pricing models to incentivize energy efficiency

**Q32: Regarding [Multi-tenant data centers] Adjust pricing models to incentivize energy efficiency; Has**

**your company considered or used any of the following technologies and energy saving strategies: (check all that apply)**

Space-based pricing

DON'T KNOW

Space and power block pricing (differentiate power

and energy)

DON'T KNOW