DCOI PUE Compliance Roadmap for Federal Agencies and Prime Contractors

Complete guide for federal agencies

Issuance of DCOI Mandate

Federal Agency (FA) to engage with Prime Contractor (PC)

PC conduct inventory of IT and Infrastructure Devices

Key Success Factor
Obtain complete list of devices as well as datacenter floor plans

PC integrates DCIM software with IT and infrastructure devices

Key Success Factor
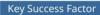Utilize DCIM solution that can efficiently integrate with all data center devices

DCIM software initiate Auto collection of Power Data (in Watts)

PC initiate power audit and establishment of baselines

Key Success Factor
Utilize DCIM solution that can be easily customized to capture all power audit details

IT Devices: Direct from Devices (servers), power strips, branch circuits, etc.

Infrastructure Devices: UPS, CRAC, transfer switches, chillers, etc.

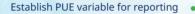**PC and FA analyze and assess current device power usage**

PC conducts manual computations on any device(s) necessary

Key Success Factor
Utilize the appropriate engineer assessment personnel

- Establish PUE variable for reporting
- PUE calculation frequency and Dashboard reporting
- PUE site aggregation and Dashboard reporting
- Progress reports over time relative to PUE rating

PUE Formulation (Site Specific)

Key Success Factor
Simple to use DCIM solution providing all PUE metrics real-time (standalone and aggregate)

- Consolidation of IT and Infrastructure Asset
- PUE impact from consolidation – PUE rating relative to power usage reduction
- Cost savings and sustainability analysis (physical device consolidation, power consumption, carbon footprint reduction)

Capacity and Risk Calculation

Long-term PUE monitoring, alerting and support