



CHAPTER 4

Troubleshooting EnergyWise

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Using CLI Commands

Table 4-1 *show Privileged EXEC Commands*

Command	Purpose
show energywise	Displays the settings and status for the domain member or endpoint.
show energywise children	Displays the status of the connected endpoints.
show energywise children provisioned	Displays a summary of the EnergyWise information for the domain member and the connected endpoints.
show energywise domain	Displays the domain to which the domain member or endpoint belongs.
show energywise events	Display the last ten events (messages) sent to other domain members or endpoints in the domain.
show energywise neighbors	Displays the neighbor tables for the domain member.
show energywise recurrences	Displays the EnergyWise settings and status for recurrence.
show energywise statistics	Displays the counters for events and errors.
show energywise usage	Displays the actual power usage on the domain member or endpoint.
show energywise version	Displays the EnergyWise version.
show version	Displays the software version.
show power inline	Displays the PoE status.
show cdp neighbors	Displays the neighbors discovered by CDP.

This example shows that the Cisco 7960 IP Phone uses 6.3 W and that the Cisco 7970G IP Phone uses 10.3 W.

```
Switch# show energywise usage children
Interface  Name           Usage           Caliber
-----
Switch    144.0 (W)      max
Gi0/1     Gi0.1          6.3 (W)        trusted
Gi0/2     Gi0.2          10.3 (W)       trusted
```

For more information about the commands, see [Chapter 3, “EnergyWise CLI Commands”](#) and the platform-specific command references on Cisco.com.

Detecting Communication Failures

Use the EnergyWise debug mode.

Command	Purpose
debug energywise debug	Displays errors such as invalid sequence numbers and communication errors on the domain.
debug energywise endpoint	Displays information about EnergyWise endpoints running a client or agent, helps detect mismatched domain names, secrets, and sequence numbers of connected endpoints.
debug energywise ha	Displays POWERNET high availability information.
debug energywise management	Displays information about authentication failures and EnergyWise management stations running power management applications.
debug energywise packet	Displays packet trace information.
debug energywise trace	Displays trace messages.