

EnergyWise CLI Commands

**Note**

The examples in this document are for a Catalyst 3750-E or 3750 switch (for example, gigabitethernet 1/0/5). To specify an interface on your network device, see your device software documentation.

clear energywise neighbors

Use the **clear energywise neighbors** privileged EXEC command to delete the EnergyWise neighbor tables.

```
clear energywise neighbors
```

Syntax Description This command has no arguments or keywords.

Defaults No default is defined.

Command Modes Privileged EXEC

Command History	Release	Modification
	12.2(50)SE	This command was introduced on the <ul style="list-style-type: none"> • Catalyst 3750-E, 3750, 3560-E, 3560, and 2960 switches • Cisco Catalyst Blade Switch 3040 for FSC • Cisco Catalyst Blade Switch 3130 and 3032 for Dell • Cisco Catalyst Blade Switch 3030 for Dell • Cisco Catalyst Blade Switch 3120 for HP • Cisco Catalyst Blade Switch 3020 for HP • Cisco Catalyst Switch Module 3110 and 3012 for IBM BladeCenter
	12.2(52)SE	This command was introduced on the Catalyst 2975 switch.

Examples

This example shows how to delete the neighbor tables:

```
Switch# clear energywise neighbors
Cleared all non static energywise neighbors
```

You can verify that the tables were deleted by entering the **show energywise neighbors** privileged EXEC command.

Related Commands

Command	Description
show energywise neighbors	Displays the EnergyWise neighbor tables.

energywise (global configuration)

Use the **energywise** global configuration command to enable and configure EnergyWise on an entity. Use the **no** form of this command to disable EnergyWise and to remove the EnergyWise configuration.

```
energywise { importance importance | keywords word,word,... | level level | management
tcp-port-number | name name | neighbor [hostname] ip-address udp-port-number | role role }
```

```
no energywise { importance | keywords | management | name | neighbor | role }
```

Syntax Description

importance <i>importance</i>	Set the importance of the entity. The range is from 1 to 100.
keywords <i>word,word,...</i>	Assign at least one keyword for the entity. When assigning multiple keywords, separate the keywords with commas, and do not use spaces between keywords. <ul style="list-style-type: none"> You can enter alphanumeric characters and symbols such as #, (, %, !, or &. Do not use an asterisk (*) or a blank space between the characters and symbols.
level <i>level</i>	Set the power level of the entity. The range is from 1 to 10.
management <i>tcp-port-number</i>	Specify the TCP port that sends and receives queries. The range is from 1025 to 65535.
name <i>name</i>	Specify the EnergyWise-specific entity name. <ul style="list-style-type: none"> You can enter alphanumeric characters and symbols such as #, (, %, !, or &. Do not use an asterisk (*) or a blank space between the characters and symbols.
neighbor [<i>hostname</i>] <i>ip-address</i> <i>udp-port-number</i>	Assign a static neighbor: <ul style="list-style-type: none"> (Optional) Hostname (<i>hostname</i>) or IP address (<i>ip-address</i>). UDP port (<i>udp-port-number</i>) that sends and receives queries. The range is from 1 to 65000.
role <i>role</i>	Specify the role of the entity in the EnergyWise domain. For example, lobby.b20. <ul style="list-style-type: none"> You can enter alphanumeric characters and symbols such as #, (, %, !, or &. Do not use an asterisk (*) or a blank space between the characters and symbols.

Defaults

EnergyWise is disabled.
The importance is 1.
No keywords are defined.

The power level is 10.

The *tcp-port-number* is 43440.

The name is the hostname.

No neighbors are assigned.

The role is the model number.

Command Modes

Privileged EXEC

Command History

Release	Modification
12.2(50)SE	This command was introduced on the <ul style="list-style-type: none"> • Catalyst 3750-E, 3750, 3560-E, 3560, and 2960 switches • Cisco Catalyst Blade Switch 3040 for FSC • Cisco Catalyst Blade Switch 3130 and 3032 for Dell • Cisco Catalyst Blade Switch 3030 for Dell • Cisco Catalyst Blade Switch 3120 for HP • Cisco Catalyst Blade Switch 3020 for HP • Cisco Catalyst Switch Module 3110 and 3012 for IBM BladeCenter
12.2(52)SE	The management <i>udp-port-number</i> syntax and <i>udp-port-number</i> range were incorrect. The correct syntax is management <i>tcp-port-number</i> , and the correct range is from 1025 to 65535.
12.2(52)SE	This command was introduced on the Catalyst 2975 switch.

Usage Guidelines

When you add an entity to a domain, EnergyWise is enabled on the entity and its PoE ports.

If you enter the **no energywise level** command, the switch does not immediately change the power level to the default. The power level changes when the switch restarts or you enter the **energywise level level** command.

Examples

This example shows how to enable EnergyWise, assign the entity to a domain, and set the password.

```
Switch# configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)# energywise domain cisco secret cisco protocol udp port 43440 ip 2.2.4.30
Switch(config)# energywise importance 50
Switch(config)# energywise keywords lab1,devlab
Switch(config)# energywise management 60500
Switch(config)# energywise name Entity01
Switch(config)# energywise neighbor TG3560G-21 43440
Switch(config)# energywise role role.labaccess
Switch(config)# end
```

Related Commands	Command	Description
	<code>show energywise</code>	Displays the EnergyWise settings and status.
	<code>show energywise domain</code>	Displays the domain to which the entity belongs.
	<code>show energywise recurrence</code>	Displays the recurring event settings and status.

energywise (interface configuration)

Use the **energywise** interface configuration command to configure EnergyWise on the power over Ethernet (PoE) port. Use the **no** form of this command to disable EnergyWise and to remove the EnergyWise configuration.

energywise [**importance** *importance* | **keywords** *word,word,...* | **level** *level* [**recurrence** **importance** *importance* **at** *minute hour day_of_month month day_of_week*] | **name** *name* | **role** *role*]

no energywise [**importance** | **keywords** | **level** | **name** | **role**]

Syntax Description

importance <i>importance</i>	(Optional) Set the importance of the port. The range is from 1 to 100.
keywords <i>word,word,...</i>	Assign at least one keyword for the port. When assigning multiple keywords, separate the keywords with commas, and do not use spaces between keywords. <ul style="list-style-type: none"> You can enter alphanumeric characters and symbols such as #, (, %, !, or &. Do not use an asterisk (*) or a blank space between the characters and symbols.
level <i>level</i>	(Optional) Set the power level of the port. The range is from 0 and 10. If the power level is 0, the port is powered off. If the power level is from 1 to 10, the port is powered. You can enter any value this range to power the PoE port.
recurrence importance <i>importance</i> at <i>minute hour</i> <i>day_of_month month</i> <i>day_of_week</i>	(Optional) Schedule the power-on or power-off recurring event. <ul style="list-style-type: none"> importance <i>importance</i>—The recurring event occurs if the importance value of the entity connected to the switch is less than or equal to the specified importance value. The range is from 1 to 100. <i>minute</i>—The range is from 0 to 59. Use * for the wildcard. <i>hour</i>—The range is from 0 to 23. Use * for the wildcard. <i>day_of_month</i>—The range is from 1 to 31. Use * for the wildcard. <i>month</i>—The range is from 1 (January) to 12 (December). Use * for the wildcard. <i>day_of_week</i>—The range is from 0 (Sunday) to 6 (Saturday). Use * for the wildcard. <p>Note The specified times are local times based on the PoE-entity time zone.</p>

name <i>name</i>	(Optional) Specify the EnergyWise-specific port name. <ul style="list-style-type: none"> You can enter alphanumeric characters and symbols such as #, (, %, !, or &. Do not use an asterisk (*) or a blank space between the characters and symbols.
role <i>role</i>	(Optional) Specify the role of the port in the domain. For example, lobbyport. <ul style="list-style-type: none"> You can enter alphanumeric characters and symbols such as #, (, %, !, or &. Do not use an asterisk (*) or a blank space between the characters and symbols.

Defaults

The importance is 1.

No keywords are defined.

The power level is 10.

The name is the short version of the port name; for example, Gi1.0.2 for Gigabit Ethernet 1/0/2.

The role is the model number.

Command Modes

Privileged EXEC

Command History

Release	Modification
12.2(50)SE	This command was introduced on the <ul style="list-style-type: none"> Catalyst 3750-E, 3750, 3560-E, 3560, and 2960 switches Cisco Catalyst Blade Switch 3040 for FSC Cisco Catalyst Blade Switch 3130 and 3032 for Dell Cisco Catalyst Blade Switch 3030 for Dell Cisco Catalyst Blade Switch 3120 for HP Cisco Catalyst Blade Switch 3020 for HP Cisco Catalyst Switch Module 3110 and 3012 for IBM BladeCenter
12.2(52)SE	This command was introduced on the Catalyst 2975 switch.

Usage Guidelines

If you enter the **no energywise level** command, the switch does not immediately change the power level to the default. The power level changes when the switch restarts or you enter the **energywise level level** command.

Examples

This example shows how to enable and configure EnergyWise on the PoE port.

```
Switch# configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)# energywise domain cisco secret cisco protocol udp port 43440 ip 2.2.4.30
Switch(config)# interface gigabitethernet1/0/3
Switch(config-if)# energywise level 10 recurrence importance 90 at 0 8 * * *
Switch(config-if)# energywise level 0 recurrence importance 90 at 0 20 * * *
Switch(config-if)# energywise importance 50
Switch(config-if)# energywise name lobbyInterface.3
Switch(config-if)# energywise role role.lobbyaccess
Switch(config-if)# end
```

Related Commands

Command	Description
show energywise	Displays the EnergyWise settings and status.
show energywise domain	Displays the domain to which the entity belongs.
show energywise recurrence	Displays the recurring event settings and status.

energywise domain

Use the **energywise domain** global configuration command to enable EnergyWise on the entity, assign the entity to a domain, and set the password for secure communication among the domain entities. Use the **no** form of this command to disable EnergyWise and to remove the EnergyWise configuration.

```
energywise domain domain-name secret [0 | 7] password [protocol udp port udp-port-number
interface interface-id | ip ip-address]
```

```
no energywise domain
```

Syntax Description

domain <i>domain-name</i>	Assign the entity to a domain with the specified <i>domain-name</i> . <ul style="list-style-type: none"> You can enter alphanumeric characters and symbols such as #, (, %, !, or &. Do not use an asterisk (*) or a blank space between the characters and symbols.
secret [0 7] <i>password</i>	Set the <i>password</i> for secure communication among the entities in the domain. <ul style="list-style-type: none"> (Optional) 0—Use an unencrypted password. (Optional) 7—Use a hidden password. <p>If you do not enter 0 or 7, the entity uses the default value of 0.</p> <ul style="list-style-type: none"> You can enter alphanumeric characters and symbols such as #, (, %, !, or &. Do not use an asterisk (*) or a blank space between the characters and symbols.
port <i>udp-port-number</i>	(Optional) Specify the UDP port that sends and receives queries. The range is from 1 to 65000.
interface <i>interface-id</i>	(Optional) Specify the port from which the EnergyWise messages are sent.
ip <i>ip-address</i>	(Optional) Specify the IP address from which the EnergyWise messages are sent.

Defaults

EnergyWise is disabled, and the entity is not assigned to a domain.

The password is not set.

The *udp-port-number* is 43440.

Command Modes

Privileged EXEC

Command History	Release	Modification
	12.2(50)SE	This command was introduced on the <ul style="list-style-type: none"> Catalyst 3750-E, 3750, 3560-E, 3560, and 2960 switches Cisco Catalyst Blade Switch 3040 for FSC Cisco Catalyst Blade Switch 3130 and 3032 for Dell Cisco Catalyst Blade Switch 3030 for Dell Cisco Catalyst Blade Switch 3120 for HP Cisco Catalyst Blade Switch 3020 for HP Cisco Catalyst Switch Module 3110 and 3012 for IBM BladeCenter
	12.2(52)SE	This command was introduced on the Catalyst 2975 switch.

Usage Guidelines

If you enter the **energywise domain** *domain-name* **secret** [0 | 7] *password* command, the entity selects the first available port to communicate with the network and with management applications.

Examples

This example shows how to enable EnergyWise, set the *domain-name* and *password*, and specify the IP address:

```
Switch(config)# energywise domain cisco secret cisco protocol udp port 43440 ip 2.2.4.30
```

Related Commands

Command	Description
show energywise	Displays the EnergyWise settings and status.
show energywise domain	Displays the domain to which the entity belongs.

energywise query

Use the **energywise query** privileged EXEC command to display power information or to power the entities or PoE ports in the domain.

```
energywise query importance importance {keywords word,word,... | name name} collect {delta | usage}
```

```
energywise query importance importance {keywords word,word,... | name name} set level level
```

```
energywise query importance importance {keywords word,word,... | name name} sum {delta | usage}
```

Syntax Description

importance <i>importance</i>	Filter the results based on the importance value. Only entities with values less than or equal to the specified value appear. The <i>importance</i> range is from 1 to 100.
keywords <i>word,word,...</i>	Filter the results based on one or more of the specified keywords. When specifying multiple keywords, separate the keywords with commas, and do not use spaces between keywords. <ul style="list-style-type: none"> You can enter alphanumeric characters and symbols such as #, (, %, !, or &. Do not use an asterisk (*) or a blank space between the characters and symbols.
name <i>name</i>	Filter the results based on the name. For the wildcard, use * or <i>name*</i> with the asterisk at the end of the name phrase. <ul style="list-style-type: none"> You can enter alphanumeric characters and symbols such as #, (, %, !, or &. Do not use an asterisk (*) or a blank space between the characters and symbols.
collect { delta usage }	Display the delta or usage values for the entities or the PoE ports. <ul style="list-style-type: none"> delta—Display the <i>delta vector</i> with the <i>difference</i> between the actual power usage and the maximum power usage for each power level for what-if calculations. usage—Display the actual power usage.
set level <i>level</i>	Set the power level of the entities or the PoE ports. The range is from 0 to 10. An entity supports level 1 to level 10. A PoE port supports level 0 to level 10.
sum { delta usage }	Display the sum of the delta or usage values for the entities or the PoE ports. <ul style="list-style-type: none"> delta—Display the delta vector. usage—Display the actual power usage.

Defaults

The importance value is 1.
The power level is 10.

Command Modes

Privileged EXEC

Command History

Release	Modification
12.2(50)SE	This command was introduced on the <ul style="list-style-type: none"> • Catalyst 3750-E, 3750, 3560-E, 3560, and 2960 switches • Cisco Catalyst Blade Switch 3040 for FSC • Cisco Catalyst Blade Switch 3130 and 3032 for Dell • Cisco Catalyst Blade Switch 3030 for Dell • Cisco Catalyst Blade Switch 3120 for HP • Cisco Catalyst Blade Switch 3020 for HP • Cisco Catalyst Switch Module 3110 and 3012 for IBM BladeCenter
12.2(52)SE	This command was introduced on the Catalyst 2975 switch.

Usage Guidelines

In the results from the **sum** keyword, the *Responded* total is not accurate. The *Queried* total is accurate and is the total number of entities that respond to the query.

To power on or power off ports, enter the **energywise query {keywords word,word,... | name name} set level level** command.



Caution Use this query with care because it affects the entity on which you enter the command *and* other domain devices that match the query criteria.

Examples

These examples show how to filter with the entity name.

```
Switch# energywise query name phone* collect usage
EnergyWise query, timeout is 3 seconds:
```

Host	Name	Usage
----	----	-----
2.2.2.21	phone	0.0 (W)
2.2.2.21	phone	15.4 (W)
2.2.2.21	phoneA	0.0 (W)
2.2.2.22	phone	0.0 (W)
2.2.2.21	phoneB	0.0 (W)
2.2.2.22	phoneC	15.4 (W)
2.2.2.21	phone	0.0 (W)
2.2.2.23	phoneD	15.4 (W)
2.2.2.21	phone	0.0 (W)

Queried: 9 Responded: 9 Time: 0.26 seconds

```
Switch# energywise query name * sum usage
EnergyWise query, timeout is 3 seconds:

Total Usage
-----
346.3 (W)

Queried: 147    Responded: 147    Time: 0.121 seconds
```

```
Switch# energywise query name lobby* collect usage
```

```
EnergyWise query, timeout is 3 seconds:

Host          Name          Usage
----          -
2.2.4.30      lobbyInterface.17 10.0 (W)

Queried: 1    Responded: 1    Time: 0.7 seconds
```

```
Switch# energywise query name Fal.0.4* sum usage
```

```
EnergyWise query, timeout is 3 seconds:

Total Usage
-----
129.0 (W)

Queried: 10    Responded: 10    Time: 0.6 seconds
```

This example shows the sum of the delta values and the potential power change in the domain.

```
Switch# energywise query name * sum delta
EnergyWise query, timeout is 3 seconds:

Level  Label      Delta Power (W)
-----
0      Shut       -12.9
1      Hibernate  +723.8
2      Sleep      +723.8
3      Standby    +723.8
4      Ready      +723.8
5      Low        +723.8
6      Frugal     +723.8
7      Medium     +723.8
8      Reduced    +723.8
9      High       +723.8
10     Full       +723.8

Queried: 48    Responded: 48    Time: 0.15 seconds
```

This example shows the power usage in the domain.

```
Switch# show energywise children

Interface  Role          Name          Usage      Lvl  Imp  Type
-----
          control    SwitchA       86.0 (W)   10   100  parent
Gi1/0/1    interface     Gi1.0.1       0.0 (W)   10   20   child
.
.
.
Gi1/0/6    interface     Gi1.0.6       0.0 (W)   10   20   child
Gi1/0/7    role.lobbyaccess lobbyInterface.7 0.0 (W)   10   50   child
Gi1/0/8    interface     Gi1.0.8       0.0 (W)   10   20   child
<output truncated>
```

```
Switch# energywise query name * set level 0
EnergyWise query, timeout is 3 seconds:
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
!!!!!!
Success rate is (48/48) setting entities

Queried: 48   Responded: 48   Time: 0.996 seconds
```

```
Switch# energywise query name * set level 10
EnergyWise query, timeout is 3 seconds:
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
!!!!!!
Success rate is (48/48) setting entities

Queried: 48   Responded: 48   Time: 0.996 seconds
```

This example shows how to filter results with keywords.

```
Switch(config)# interface gigabitethernet1/0/2
Switch(config-if)# energywise keywords lobby,sattelite
Switch(config-if)# energywise keywords public
Switch(config-if)# end
Switch# show running-config interface gigabitethernet1/0/2
!
interface GigabitEthernet1/0/2
  energywise level 0 recurrence importance 90 at 0 8 * * *
  energywise level 10 recurrence importance 90 at 0 20 * * *
  energywise importance 50
  energywise role role.lobbyaccess
  energywise keywords lobby,sattelite,public
  energywise name lobbyInterface.2
end
```

```
Switch# energywise query keyword lobby collect usage
EnergyWise query, timeout is 3 seconds:

Host          Name          Usage
----          -
2.2.4.30      lobbyInterface.17 15.4 (W)

Queried: 1   Responded: 1   Time: 0.0 seconds
```

```
Switch# energywise query keyword satellite sum usage
EnergyWise query, timeout is 3 seconds:

Total Usage
-----
15.4 (W)

Queried: 1   Responded: 1   Time: 0.11 seconds
```

show energywise

Use the **show energywise** privileged EXEC command to display the EnergyWise settings, the status of the entity, and the status of the power over Ethernet (PoE) ports.

```
show energywise neighbors [categories | children | domain | events | level [children | current
[children] | delta | delta children] | neighbors | recurrences | statistics | usage [children] |
version] [ | {begin | exclude | include} expression]
```

Syntax Description	
categories	(Optional) Display the power levels.
children	(Optional) Display the status of the entity and the PoE ports.
domain	(Optional) Display the domain to which the entity belongs.
events	(Optional) Displays the last ten events (messages) sent to other entities in the domain.
level [children current [children] delta delta children]	(Optional) Display the power levels. <ul style="list-style-type: none"> • children—Actual power levels for the entity and the PoE ports. • current—Actual power levels for the entity. <ul style="list-style-type: none"> (Optional) children—Actual power levels for the entity and the PoE ports. • delta—Delta vector for the entity. For more information, see the energywise query command. <ul style="list-style-type: none"> (Optional) children—Delta vector for the entity and the PoE ports.
neighbors	(Optional) Display the neighbor table for the domain to which the entity belongs.
recurrence	(Optional) Display the EnergyWise settings and status for recurring events.
statistics	(Optional) Display the counters for events and errors.
usage [children]	(Optional) Display the actual power usage for the entity. <ul style="list-style-type: none"> • children—Display the actual power usage for the PoE ports.
version	(Optional) Display the EnergyWise version.
 begin	(Optional) Display begins with the line that matches the <i>expression</i> .
 exclude	(Optional) Display excludes lines that match the <i>expression</i> .
 include	(Optional) Display includes lines that match the specified <i>expression</i> .
<i>expression</i>	Expression in the output to use as a reference point.

Command Modes Privileged EXEC

Command History

Release	Modification
12.2(50)SE	This command was introduced on the <ul style="list-style-type: none"> • Catalyst 3750-E, 3750, 3560-E, 3560, and 2960 switches • Cisco Catalyst Blade Switch 3040 for FSC • Cisco Catalyst Blade Switch 3130 and 3032 for Dell • Cisco Catalyst Blade Switch 3030 for Dell • Cisco Catalyst Blade Switch 3120 for HP • Cisco Catalyst Blade Switch 3020 for HP • Cisco Catalyst Switch Module 3110 and 3012 for IBM BladeCenter
12.2(52)SE	This command was introduced on the Catalyst 2975 switch.

Usage Guidelines

Expressions are case sensitive. For example, if you enter **l exclude output**, the lines that contain *output* do not appear, but the lines that contain *Output* appear.

Examples

```
Switch# show energywise
Interface   Role      Name      Usage      Lvl  Imp  Type
-----
Switch      lobby.1   558.0 (W) 10         1      parent

Switch# show energywise children
Interface   Role      Name      Usage      Lvl  Imp  Type
-----
Switch      lobby.1   558.0 (W) 10         1      parent
Gi1/0/1     interface Gi1.0.1   0.0 (W) 1      1      child
Gi1/0/2     interface Gi1.0.2   0.0 (W) 1      1      child
Gi1/0/3     interface Gi1.0.3   0.0 (W) 1      1      child
Gi1/0/4     interface Gi1.0.4   0.0 (W) 1      1      child
Gi1/0/5     interface Gi1.0.5   0.0 (W) 1      1      child
Gi1/0/6     interface Gi1.0.6   0.0 (W) 1      1      child
<output truncated>

Switch# show energywise domain
Name       : TG3560G-41
Domain     : cisco
Protocol   : udp
IP         : 2.2.2.21
Port       : 43440

Switch# show energywise events
-----
Sequence: 246818  References: 0:1  Errors:
Class:     PN_CLASS_QUERY
Action:    PN_ACTION_CPQR_POWERNET_QUERY_SET
Reply To:  8.8.8.24:43440
-----
Sequence: 246827  References: 0:1  Errors:
Class:     PN_CLASS_DISCOVERY
Action:    PN_ACTION_CPQR_POWERNET_DISCOVERY_DISCOVERY_UPDATE
Reply To:  8.8.8.24:43440
-----
```


Switch# **show energywise level**

Interface	Name	Levels (Watts)										
		0	1	2	3	4	5	6	7	8	9	10
-----	----	-----										
	lobby.1	0.0	558.0	558.0	558.0	558.0	558.0	558.0	558.0	558.0	558.0	558.0

Switch# **show energywise level children**

Interface	Name	Levels (Watts)										
		0	1	2	3	4	5	6	7	8	9	10
-----	----	-----										
	lobby.1	0.0	558.0	558.0	558.0	558.0	558.0	558.0	558.0	558.0	558.0	558.0
Gi1/0/1	Gi1.0.1	0.0	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
Gi1/0/2	Gi1.0.2	0.0	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
Gi1/0/3	Gi1.0.3	0.0	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
Gi1/0/4	Gi1.0.4	0.0	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
Gi1/0/5	Gi1.0.5	0.0	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4

<output truncated>

Switch# **show energywise level current**

Interface	Name	Level	Value
-----	----	-----	-----
	lobby.1	10	558.0 (W)

Switch# **show energywise level current children**

Interface	Name	Level	Value
-----	----	-----	-----
	lobby.1	10	558.0 (W)
Gi1/0/1	Gi1.0.1	1	15.4 (W)
Gi1/0/2	Gi1.0.2	1	15.4 (W)
Gi1/0/3	Gi1.0.3	1	15.4 (W)
Gi1/0/4	Gi1.0.4	1	15.4 (W)
Gi1/0/5	Gi1.0.5	1	15.4 (W)

<output truncated>

Switch# **show energywise level delta**

Interface	Name	Levels (Watts)										
		0	1	2	3	4	5	6	7	8	9	10
-----	----	-----										
	lobby.1	-558.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Switch# **show energywise level delta child**

Interface	Name	Levels (Watts)										
		0	1	2	3	4	5	6	7	8	9	10
-----	----	-----										
	lobby.1	-558.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gi1/0/1	Gi1.0.1	0.0	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
Gi1/0/2	Gi1.0.2	0.0	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
Gi1/0/3	Gi1.0.3	0.0	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4

<output truncated>

Switch# **show energywise neighbors**

Capability Codes: R - Router, T - Trans Bridge, B - Source Route Bridge
S - Switch, H - Host, I - IGMP, r - Repeater, P - Phone

Id	Neighbor Name	Ip:Port	Prot	Capability
--	-----	-----	-----	-----
1	Switch.A	2.2.2.29:43440	udp	S I
5	Switch.B	2.2.2.22:43440	udp	S I
7	Switch.C	2,2,2,33:43440	cdp	S I

show energywise

```
Switch# show energywise recurrences
Id      Addr      Class Action Lvl Cron
--      -
2       Gi1/0/17  QUERY SET   3 minutes: 0 hour: 8 day: * month: * weekday: *
3       Gi1/0/18  QUERY SET   3 minutes: 0 hour: 8 day: * month: * weekday: *
4       Gi1/0/19  QUERY SET   3 minutes: 0 hour: 8 day: * month: * weekday: *

Switch# show energywise statistics
Children: 48 Errors: 2 Drops: 0 Events: 14

Switch# show energywise usage
Interface  Name      Usage      Caliber
-----
          lobby.1  558.0 (W)  max

Switch# show energywise usage child
Interface  Name      Usage      Caliber
-----
          lobby.1  558.0 (W)  max
Gi1/0/1    Gi1.0.1  0.0 (W)    presumed
Gi1/0/2    Gi1.0.2  0.0 (W)    presumed
Gi1/0/3    Gi1.0.3  0.0 (W)    presumed
Gi1/0/4    Gi1.0.4  0.0 (W)    presumed
<output truncated>

Switch# show energywise version
EnergyWise is Enabled
IOS Version: 12.2(50)SE
EnergyWise Specification: 1.0.1
```

Related Commands

Command	Description
energywise (global configuration)	Enables and configures EnergyWise on the entity.
energywise (interface configuration)	Configures EnergyWise on the PoE port.