

### Thursday, July 29, 2021, 7:45 p.m. UPDATE

Grid conditions have improved with some generating capacity returning to service, and additional energy imports have been secured. As of now, we are not projecting any energy shortages or further emergency levels. The grid Warning will remain in effect through 9 p.m.

### Thursday, July 29, 2021, 5:30 p.m. UPDATE

The ISO issued a Grid Warning for the hours of 6 p.m. to 9 p.m. today, primarily because of an unexpected loss of generating capacity. The Grid Warning allows the ISO to draw energy supplies from emergency demand response programs that call on large users to reduce electricity use in times of critical need on the power grid.

No Flex Alert is planned at this time. No rotating power outages are currently anticipated.

California continues to experience hot weather and high demand.

Learn more information on the ISO's Alerts, Warnings, and Emergency procedures from our [AWE Fact Sheet](#).

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The California ISO will update this bulletin as needed. For breaking news and grid updates, follow us on Twitter at [@California\\_ISO](#), and at [@FlexAlert](#).

View system conditions in real time at [Today's Outlook](#).

To sign up to receive our news releases, Daily Briefings, Flex Alerts, and Energy Matters newsletter, go to the [Subscriptions and notifications](#) webpage.

## Wednesday, July 28, 2021, 11:30 a.m. UPDATE

The California ISO issued a Flex Alert, a call for voluntary consumer conservation, for today, Wednesday, July 28, from 4-9 p.m., due to predicted high energy demand and tight energy supplies across the West. When the day-ahead market settled yesterday afternoon, there were some areas of concern to grid operators, causing them to issue the Flex Alert for help in maintaining energy supplies throughout the day. Several conditions are impacting the grid today. While the temperature forecast is slightly above normal for parts of California, and demand is projected to be moderately high, there are weather and demand uncertainties, which affects our forecasting data.

We are also monitoring several wildfires in and outside of California that could threaten generation and transmission, limiting energy supplies. And there is always the possibility of equipment failure and forced outages on the system.

All of these conditions taken alone would normally have minor impacts to the grid, but as the power grid operator, the ISO must plan for unexpected events, such as wildfires or forced line or plant outages, that could whittle into energy supplies and affect grid reliability.

To keep the grid stable, the ISO is asking Californians to reduce electricity use from 4 to 9 p.m. today, the critical time of need on the system, when solar production is ramping down and electricity demand can remain high. If everyone makes some small adjustments, the extra supplies can act as a shock absorber in case of unexpected events today.

The ISO is not anticipating any rotating power outages at this time. We believe consumer conservation will be key to getting through the most critical period this evening.

The ISO will decide if another Flex Alert is needed for tomorrow, following the close of the market this afternoon and a review of updated weather forecasting.

For information on transmission lines that may be affected by fire, contact the line owner/operators for updates. For information on the Bootleg Fire in Oregon, contact the US Forest Service. Here is a link to the USFS [incident information page](#). For more information on the Dixie Fire, contact CalFire. Here is a link to CalFire's [incident information page](#).

## Tuesday, July 27, 2021, 5 p.m. UPDATE

The California ISO issued a Flex Alert, a voluntary call for conservation, for 4 p.m. to 9 p.m., Wednesday, July 28 due to predicted high energy demand and tight supplies across the West. Read [here](#).

## Monday, July 26, 2021, 4:30 p.m. UPDATE

Above normal temperatures are forecast for Northern California from Wednesday to Friday, which will drive up demand for electricity. The California ISO is not anticipating any energy supply shortfalls at this time, but is asking Californians to stay alert for calls for conservation if needed. A Flex Alert is not planned at this time; please go to [FlexAlert.org](https://FlexAlert.org) to sign up for conservation notifications, and to learn more about reducing energy use, in case a Flex Alert is issued.

The ISO has declared a Restricted Maintenance Operations (RMO) for Tuesday, July 27, beginning at noon, through Wednesday, at 9 p.m., and from Thursday, July 29, beginning at noon, through 9 p.m. that night. The RMOs were issued due to hot weather and predicted high electricity demand. The RMOs allow the ISO to call back into service any transmission lines or generation units that may be undergoing scheduled maintenance. Power grid conditions can change quickly, and the ISO may need to cancel or revise planned outages if any unexpected event occurs.

The ISO is closely monitoring grid and weather conditions, and wildfire activity.

## Tuesday, July 13, 2021, 8 a.m. UPDATE

The California ISO is predicting cooler temperatures and does not have plans to issue a Flex Alert at this time. However, we encourage consumers to remain vigilant as conditions can change.

## Monday, July 12, 2021, 1:30 p.m. UPDATE

A Flex Alert has been issued for today, Monday, July 12, from 4-9 p.m. due to high temperatures and multiple wildfires affecting transmission lines from Oregon to California, which is limiting electricity imports. View the [news release](#). The Bootleg Fire is still active and has burned about 153,000 acres as of this morning.

Limits on the California-Oregon Intertie and the Pacific DC Intertie remain in place due to continued threats from the Bootleg fire. These limitations are causing electricity reductions of about 3,500 MW for the ISO grid.

The ISO issued a Restricted Maintenance Operation (RMO) for today from 4-9 p.m., which calls on generators and transmission operators to postpone any planned outages for routine maintenance, ensuring all available grid assets are online.

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We are continuing to secure megawatts from the [Governor's emergency order](#); we estimate the order contributed as much as 700 MW yesterday, which contributed greatly to grid stability over the weekend.

We don't anticipate going any further into our emergency procedures at this time, but grid conditions and wildfire activity can change quickly.

We are continuing to monitor wildfires and grid conditions closely and coordinating with our partners across the West, including firefighting units.

We are not planning a Flex Alert for tomorrow; we are forecasting cooler temperatures and currently not predicting resource shortfalls, but ask that Californians remain vigilant in case we need to call a Flex Alert for conservation measures.

We will update the public if grid conditions change.

### Sunday, July 11, 2021, 5 p.m. UPDATE

With electric transmission lines from Oregon still unreliable due to the explosive Bootleg Fire, and continued high temperatures across the West resulting in increased demand for electricity, the ISO issued a statewide Flex Alert for Monday, July 12 to help stabilize the state's electric grid and deal with uncertainty created by the extraordinary conditions.

Consumers are strongly encouraged to continue to conserve as much electricity as possible between 4 p.m. and 9 p.m. Monday. Conservation is key to reducing stress on the grid during these peak hours.

In addition, the ISO issued a Restricted Maintenance Operations (RMO) for Monday that requires generators to postpone any planned outages for routine equipment maintenance, ensuring that all available resources can be dispatched to the grid.

Now is a good time to visit [www.FlexAlert.org](http://www.FlexAlert.org) to sign up for Flex Alert notifications and get tips on how to pre-cool your home or business.

### Saturday, July 10, 2021, 9 p.m. UPDATE

The grid is stable and the Flex Alert for Saturday, July 10 is no longer in effect. We do not anticipate issuing a Flex Alert for Sunday.

Thank you California for your conservation efforts today.

### Saturday, July 10, 2021, 1 p.m. UPDATE

The California ISO is forecasting a potential shortfall of capacity due to the Bootleg Fire in southern Oregon, which continues to threaten the amount of electricity available for import to California. In response, the ISO has issued a Grid Warning Notice from 5 p.m. to 9 p.m. tonight, which allows the ISO to request emergency assistance and use emergency demand response programs if needed.

### Saturday, July 10, 2021, 11:25 a.m. UPDATE

The Bootleg Wildfire in Southern Oregon is threatening transmission lines used to import energy to California. That threat, along with extreme heat in California, are putting new stresses on the electricity grid, which makes the need for strong conservation efforts much more critical. The California ISO has issued a Flex Alert for today from 4 p.m. to 9 p.m. to encourage consumers to conserve as much energy as possible to help keep the grid stable.

A grid warning was issued today, which allows the ISO to activate emergency demand response programs, if needed.

The ISO has issued an RMO, restricted maintenance operations, today which requires generators and transmission operators to postpone any planned outages for routine maintenance.

### Friday, July 9, 2021, 4:15 p.m. UPDATE

The Bootleg Fire in southern Oregon has reduced import capability over the California-Oregon Intertie. Following the issue of its Warning, the ISO has been requesting additional energy from its neighbors, and may call upon dispatching emergency demand response programs from 6 p.m. to 8 p.m., which is the peak and net peak. That reduction in demand may be sufficient to avoid further emergency levels and avoid outages. The ISO's Flex Alert is in effect until 9 p.m. tonight. We encourage consumers to voluntarily reduce energy use to help us maintain a grid reliability.

### Friday, July 9, 2021, 2:30 p.m. UPDATE

The California Independent System Operator issued a warning due to the Bootleg Fire's threat to transmission lines, which may affect the import of energy from the Pacific Northwest. The ISO's operational warning gives the ISO the authority to initiate emergency demand response programs, if needed. A Flex Alert remains in effect from 4 to 9 p.m. today urging Californians to conserve as much energy as possible during the evening hours.

### Thursday, July 8, 2021, 4:15 p.m. UPDATE

The California Independent System Operator (ISO) issued a statewide Flex Alert for Friday, July 9, citing extreme temperatures across much of California and a potential capacity shortfall on the state's electric grid.

As a result of higher load, and supply forecasted to be tighter than expected on Friday, consumers are asked to voluntarily conserve electricity from 4 p.m. to 9 p.m. Such conservation would help ease the strain on the grid during the crucial evening hours when solar energy is diminished or no longer available.

### Tuesday, July 6, 2021, 4 p.m. UPDATE

We are closely monitoring weather conditions this week, and while we don't plan to issue a Flex Alert at this time, we ask that Californians remain vigilant in case we need conservation to help us through critical times of stress on the power grid. This is a good time to visit [FlexAlert.org](https://www.flexalert.org) to get conservation information and to sign up for notifications.

### Sunday, June 27, 2021, 2:30 p.m. UPDATE

No plans for Flex Alert for tomorrow. Projected resource deficiencies addressed in the day-ahead market; there are now sufficient supplies to meet expected demand. Continuing to monitor weather conditions and ask Californians to stay prepared.

### Sunday, June 27, 2021, 1:30 p.m. UPDATE

The California ISO issued a [Heat Bulletin](#) this morning because of higher-than-expected temperatures across California tomorrow, Monday, June 28. A potential for resource shortfalls is projected for Monday, but could be made up in the day-ahead market and through other actions the operators can take, including calling for a Flex Alert for consumer conservation. The grid is currently stable and we haven't called a Flex Alert, but temperatures came in hotter across California than previously expected, and the Pacific Northwest is enduring extreme, record-breaking heat today and possibly tomorrow, which means there could be less energy across the West for sharing. We're reminding Californians to stay prepared in case we need consumers' help in reducing electricity use during a possible stressful time on the power grid. Follow us on Twitter at [@California\\_ISO](#) for the latest developments; visit [FlexAlert.org](https://www.flexalert.org) for more information and to sign up for notifications.

### Friday, June 25, 2021, 3 p.m. UPDATE

We are not currently seeing any impacts to the California ISO grid from the predicted historic high temperatures throughout the Pacific Northwest in the next few days. At this time, California coastal temperatures are not forecasted to be as warm as what was experienced during the recent mid-June heat event. We are watching closely, however, for any change throughout the weekend and into early next week. We will know if exports are going to the Pacific Northwest after our day-ahead market runs, and utilities in Oregon and Washington can participate in our markets to gain supply if we have capacity available.

### Friday, June 25, 2021, 8:30 a.m. UPDATE

The California ISO is not currently projecting any grid impacts from high heat forecast in the Pacific Northwest this weekend. We are monitoring weather conditions closely, and in case we need to call a Flex Alert, we urge Californians to stay prepared and help protect the grid by conserving energy at certain times. Visit [FlexAlert.org](https://flexalert.org) to learn more about conservation and to sign up for notifications.

For the most up-to-date developments on summer grid conditions, follow us on Twitter at [@California\\_ISO](https://twitter.com/California_ISO), or visit our [News page](#). For real-time information on the grid's status, visit [Today's Outlook](#).

### Friday, June 18, 2021, 12:30 p.m. UPDATE

The California ISO issued a Flex Alert for today, Friday, June 18, from 6 p.m. to 9 p.m., due to high heat. Read the [news release](#). The power grid continues to be stable, and electricity supplies are forecast to meet demand.

### Thursday, June 17, 2021, 2 p.m. UPDATE

The California ISO issued a grid Warning this afternoon, which allows the ISO to activate Demand Response programs to reduce demand.

### Thursday, June 17, 2021, 10:30 a.m. UPDATE

The hottest day of the week is expected today, with excessive heat warnings and heat advisories in effect throughout the state, and record-breaking temperatures forecast in parts of the state and the Southwest US.

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While the power grid operator is not anticipating rotating power outages, it has issued a Flex Alert for 5 to 10 p.m. today, Thursday, June 17, due to high heat increasing stress on the grid in the late afternoon. Read the [news release](#).

The ISO also held a [press conference](#) on June 16, with CEO Elliot Mainzer and COO Mark Rothleder.

In general, our summer assessment showed our electricity supplies to be in better shape than last year, but the power grid is still susceptible to stress during extreme heat waves that extend across the West, because that could cut off import supplies and make energy scarce at certain times. In this heat event, while record-breaking temperatures are forecast in parts of California, Arizona and Nevada, the excessive heat seems to be limited to the southwest desert areas. Portland and Seattle, which were hit by last year's heat wave, are not experiencing excessive heat this time.

So we have a few things going in our favor this week: more capacity on the system, our market redesigns and policy changes since last August, greater communication and coordination among our utilities, regulators, and neighboring states and grids, and the heat in this event is not as widespread.

That being said, conditions on a power grid can change quickly and we can't rule out an unexpected event triggering a Flex Alert.

For the most up-to-date news on grid conditions, follow us on Twitter on [@California\\_ISO](#).

The Flex Alert is a call to Californians to reduce electricity use during the hours of 5 to 10 p.m. It's the most critical time for the power grid, because solar production is ramping down, while electricity demand can remain high during these extreme heat events. That's why consumer conservation efforts during that time of the day will be key to preventing rotating power outages.

The main things that consumers can do from 5 to 10 p.m. to help the grid is:

- Set thermostats to 78 degrees or higher, if your health permits
- Avoid use of major appliances
- Turn off unnecessary lights.

There are some very important things that consumers can do earlier in the day to help the grid:

- Pre-cool your home.
- Use major appliances, such as the dishwasher and washer/dryer.
- Charge electronic devices.
- Charge electric vehicles.

The ISO encourages Californians to visit [FlexAlert.org](#) and review ways to conserve, and sign up for Flex Alert notifications.



In preparation of summer 2021 and beyond, the ISO has made positive strides that will be helpful during the hot months, including:

- Added additional power supply, much of it in battery storage to absorb extra solar during the course of the day and inject it back into the grid;
- Making sure the generation fleet, natural gas plants and other resources are being maintained and planned to be operationally healthy during peak summer condition to the maximum extent possible;
- Working closely with transmission providers in adjacent regions where we import electricity from to make sure transmission lines are in good shape and we can import from the Pacific Northwest and other regions of the West;
- Improvements to ISO market based on lessons learned from last year to make sure we are producing prices that reflect scarcity so we can get imports from adjacent regions, and to make sure we have clear idea of supply and demand balance;
- Significant push to make sure our Flex Alerts and communications are strong, staying ahead of the public notification curve with heat wave bulletins and providing consumers with advance notice when we think we are going into stressed grid conditions;
- But we still have residual risk from another West-wide heat wave, especially since hydro supplies are forecast to be significantly low due to the drought.

### Wednesday, June 16, 2021, 4:30 p.m. UPDATE

The California ISO has issued a Flex Alert for tomorrow, Thursday, June 17, from 5 to 10 p.m., due to high heat throughout the state and parts of neighboring states. The ISO is encouraging Californians to reduce electricity use during the hours of 5 p.m. to 10 p.m. Read the full [news release](#).

### Wednesday, June 16, 2021, 11:30 a.m. UPDATE

Following the close of our market yesterday, we are projecting adequate energy supplies to meet demand today. The grid is stable today, and there's no expectation of rotating power outages at this time.

While we are forecasting enough reserves to cover demand for tomorrow evening, we're asking Californians to remain vigilant in case we need to call a Flex Alert for tomorrow. Grid conditions are being closely monitored and can change quickly. We will be relying on Californians to be partners in protecting grid reliability in this heat event and throughout the summer, when needed.

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On those days when we are expecting high demand and tight supplies, we will issue a Flex Alert, a call for voluntary conservation from 4 to 9 p.m. If that happens, we'll be encouraging Californians to reduce electricity use during the hours of 4 to 9 p.m. It's the most critical time for the power grid, because solar production is ramping down, while electricity demand can remain high during these extreme heat events.

That's why consumer conservation efforts during that time of the day will be key to preventing rotating power outages.

The main things that consumers can do from 4 to 9 to help the grid is:

- Set thermostats to 78 degrees or higher, if your health permits
- Avoid use of major appliances
- Turn off unnecessary lights.

There are some very important things that consumers can do earlier in the day to help the grid:

- Pre-cool your home.
- Use major appliances, such as the dishwasher and washer/dryer.
- Charge electronic devices.
- Charge electric vehicles.

The ISO encourages Californians to visit [FlexAlert.org](https://flexalert.org) and review ways to conserve energy, and sign up for Flex Alert notifications.

Follow us on Twitter for the latest changes in grid conditions, and go to the [News webpage](https://www.caiso.com/news) of [caiso.com](https://www.caiso.com) for updates.

### Tuesday, June 15, 2021, 4:30 p.m. UPDATE

Day-ahead market closed, and the ISO is expecting adequate energy supplies to meet tomorrow's projected demand. No [#FlexAlert](#) planned for today. Grid conditions are being closely monitored and can change quickly. Consumers urged to stay ready if conservation needed.

### Tuesday, June 15, 2021, 1:30 p.m. UPDATE

The California ISO today posted a [Heat Bulletin](#) regarding excessive heat warnings throughout California this week and potential grid impacts.

Based on what we're seeing now, we don't expect any rotating power outages for this week. Supplies will be tight in the evenings for the next several days, but our market is expected to

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make up any difference between demand and supply, and we currently predict enough reserves on hand to cover demand.

As with any hot weather like this, we're asking the public to be ready for a Flex Alert to be called. If that happens, we'll be encouraging Californians to reduce electricity use during the hours of 4 to 9 p.m. It's the most critical time for the power grid, because solar production is ramping down, while electricity demand can remain high during these extreme heat events.

That's why consumer conservation efforts during that time of the day will be key to preventing rotating power outages.

The main things that consumers can do from 4 to 9 to help the grid is:

- Set thermostats to 78 degrees or higher, if your health permits
- Avoid use of major appliances
- Turn off unnecessary lights.

There are some very important things that consumers can do earlier in the day to help the grid:

- Pre-cool your home.
- Use major appliances, such as the dishwasher and washer/dryer.
- Charge electronic devices.
- Charge electric vehicles.

The ISO encourages Californians to visit [FlexAlert.org](https://flexalert.org) and review ways to conserve energy, and sign up for Flex Alert notifications.

### Monday, June 14, 2021, 1:30 p.m. UPDATE

The California ISO is closely monitoring weather conditions in preparation for excessive heat warnings in many parts of the state.

While we don't anticipate rotating power outages at this time, we are headed into record-breaking high heat territory for certain areas beginning today through Friday, and we may call a Flex Alert if needed.

We are working to give the public as much advance notice as possible that high heat could lead to a Flex Alert later this week, while raising awareness about the benefits of energy conservation during Flex Alerts. Californians have typically been very responsive to Flex Alerts, and we are always impressed and thankful for their efforts.

Last year, we believe that consumer conservation saved us from subsequent and longer rotating outages, both in August and September.

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With record-breaking heat approaching in some areas this week, now is a good time for consumers to get prepared by visiting [FlexAlert.org](https://flexalert.org) to review conservation tips and sign up for Flex Alert notifications.

If a Flex Alert is called, reducing electricity use will be crucial to preventing further emergency actions, including rotating power outages, to protect grid integrity.

The top three actions we're encouraging consumers to take are:

- Pre-cool your homes before 4 p.m. and then set the thermostat to 78 degrees or higher from 4 to 9 p.m., if health permits.
- Defer use of major appliances from 4 p.m. to 9 p.m. Run your dishwasher and washing machine earlier or later.
- Charge devices and electric vehicles before 4 p.m.

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