July 27, 2026

The Honorable Debbie-Anne A. Reese
Secretary
Federal Energy Regulatory Commission
888 First Street, NE
Washington, DC 20426

Re: California Independent System Operator Corporation
Docket No. ER15-2565-___
June 2026 Informational Report
Western Energy Imbalance Market – Transition Period Report – Black Hills Power, Inc.

Dear Secretary Bose:

The California Independent System Operator Corporation (CAISO) hereby submits its report on the transition period of Black Hills Power, Inc. during its first six months of participation in the Western Energy Imbalance Market (WEIM) for June 1 - June 30, 2026. The Commission also directed the Department of Market Monitoring (DMM) to submit an independent assessment of the CAISO's report, which the CAISO's DMM will seek to file within approximately 15 business days.

Please contact the undersigned with any questions.

Respectfully submitted

By: *<u>/s/ John Anders</u>*

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Western Energy Imbalance Market

June 1 - June 30, 2026

Transition Period Report

Black Hills Power, Inc. (BHBA) WEIM Entity

July 27, 2026

CAISO Public

I. Introduction and Background

On October 29, 2015, the Federal Energy Regulatory Commission (Commission) approved the California Independent System Operator Corporation's (CAISO) proposed tariff amendments to allow a transition period for new Western Energy Imbalance Market (WEIM) entities during the first six months of WEIM participation, effective November 1, 2015.[1] Black Hills Power, Inc. (BHBA), the prospective WEIM Entity entered the WEIM on May 6, 2026, and the transition period will apply to the BHBA balancing authority area (BAA) until October 31, 2026.[2]

During the six-month transition period, the price of energy in the new WEIM entity's BAA is not subject to the pricing parameters that normally apply when the market optimization relaxes a transmission constraint or the power balance constraint. Instead, during the six-month transition period, the CAISO will clear the market based on the marginal economic energy bid (referred to herein as "transition period pricing"). In addition, during the six-month transition period, the CAISO sets the flexible ramping constraint relaxation parameter for the new WEIM entity's BAA between $0 and $0.01, but only when the power balance or transmission constraints are relaxed in the relevant WEIM BAA. This is necessary to allow the market software to determine the marginal energy bid price.

Consistent with the Commission's October 29 Order, the CAISO and the Department of Market Monitoring (DMM) will file informational reports at 30-day intervals during the six-month transition period for any new WEIM entity. The CAISO provides this report for BHBA to comply with the Commission's requirements in the October 29 Order. The CAISO anticipates filing these reports on a monthly basis. However, because the complete set of data is not available immediately at the end of the applicable month,[3] and depending on the market performance each month, along with the need to coordinate with the WEIM entity, the CAISO expects to continue to file the monthly reports approximately 25 days after the end of each month in order to provide the prior full month's data.

[1] *California Indep. Sys. Operator Corp.*, 153 FERC ¶ 61,104 (2015) (October 29 Order).
[2] This follows from the application of CAISO Tariff section 27(b)(1), which refers to a number of months rather than a number of days.
[3] The earliest the CAISO can start gathering the data is 10 business days after the last day for the reporting month since this is when the price correction window expires.

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II. Highlights

Overall, BHBA's transition into the WEIM was smooth and without significant issues. The market performance highlights for June are as follows:

- Prices were stable and within reasonable ranges for BHBA BAA, with a monthly average price of $16.38/MWh in the fifteen-minute market (FMM) and $16.94/MWh in the five-minute real-time dispatch (RTD).
- BHBA BAA observed no infeasibilities for undersupply in the fifteen-minute market and no instances in the five-minute market.
- As part of the resource sufficiency test performed for each WEIM entity prior to the real-time markets, BHBA successfully passed over 99.03 percent of its balancing tests and 100 percent of its bid-range capacity tests.
- As part of the resource sufficiency test, BHBA passed successfully 100 percent of its upward flexible ramping sufficiency tests.
- The price for upward flexible ramping capacity in the FMM for the BHBA BAA averaged at $0.01/MWh, while prices for the downward flexible ramping product averaged $0.00/MWh.

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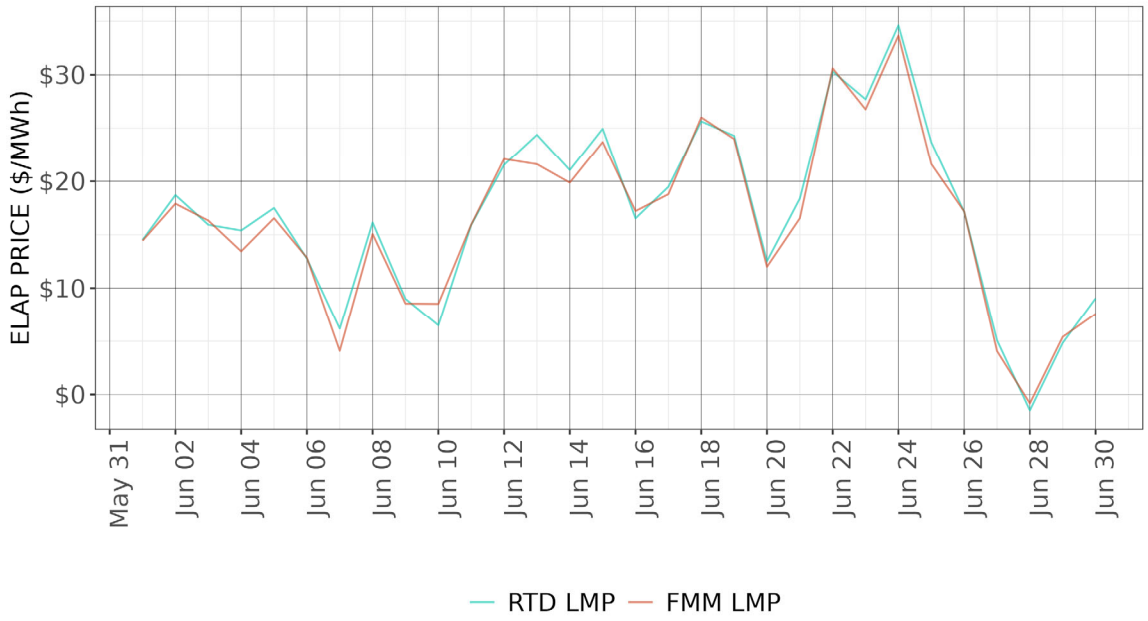
III. Market Performance Related to the Transitional Period

a. Prices

Figure 1 shows the daily average Fifteen-Minute Market (FMM) and Real-Time Dispatch (RTD) prices in the BHBA WEIM Load Aggregation Point (ELAP) for June 1, 2026 to June 30, 2026. June's monthly average price in the FMM was $16.38/MWh and $16.94/MWh in the RTD.

Figure 1: Daily average prices for the BHBA BAA



Under the CAISO's price correction authority in Section 35 of the CAISO tariff, the CAISO may correct prices posted on its Open Access Same-Time Information System (OASIS) if it finds: (1) that the prices were the product of an invalid market solution; (2) the market solution produced an invalid price due to data input failures, hardware or software failures; or (3) a result that is inconsistent with the CAISO tariff. The prices presented in Figure 1 include all prices produced by the CAISO consistent with its tariff requirements. That is, the trends represent: (1) prices as produced in the market that the CAISO deemed valid; (2) prices that the CAISO could, and did, correct pursuant to Section 35 of the CAISO tariff; and (3) any prices the CAISO adjusted pursuant to the transition period pricing reflected in Section 29.27 of the CAISO tariff.

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b. Frequency of Power Balance Constraint Infeasibilities

There were no infeasibilities in either FMM or RTD in June.

c. Balancing and Sufficiency Test Failures

The WEIM provides an opportunity for various BAAs to serve their load while realizing the benefits of increased resource diversity. Since the WEIM does not include resource adequacy requirements or obligations for resources to submit bids, the CAISO performs a series of resource sufficiency tests comprised of: (i) a balancing test; (ii) a capacity test; and (iii) a flexible ramping sufficiency test. These tests occur prior to the real-time market. Performance of a balancing test before each trading hour ensures that each participating BAA submits a balanced base schedule of generation and a net schedule interchange to meet its demand. In addition, the participating BAA is required to submit bids with enough ramping capability to meet its net load forecast uncertainty and net load movement requirements. Figure 2 shows the trend of balancing test outcomes for the period of June 1, 2026, through June 30, 2026.[4] If a balancing test or the bid-range capacity test is affected by data input failures or software failures, those test results are shown as correctable events. The BHBA BAA passed the balancing test in 99.03 percent of the intervals in June, which is within the acceptable range of balancing test failures. The valid balancing test failures were due largely to a lack of base schedule adjustments between RTBS 2 (T-55) and RTBS 3 (T-40) in the midst of pressing operational items such as outage management.

[4] The CAISO performs resource sufficiency tests pursuant to Section 29.34(k) of the CAISO tariff.

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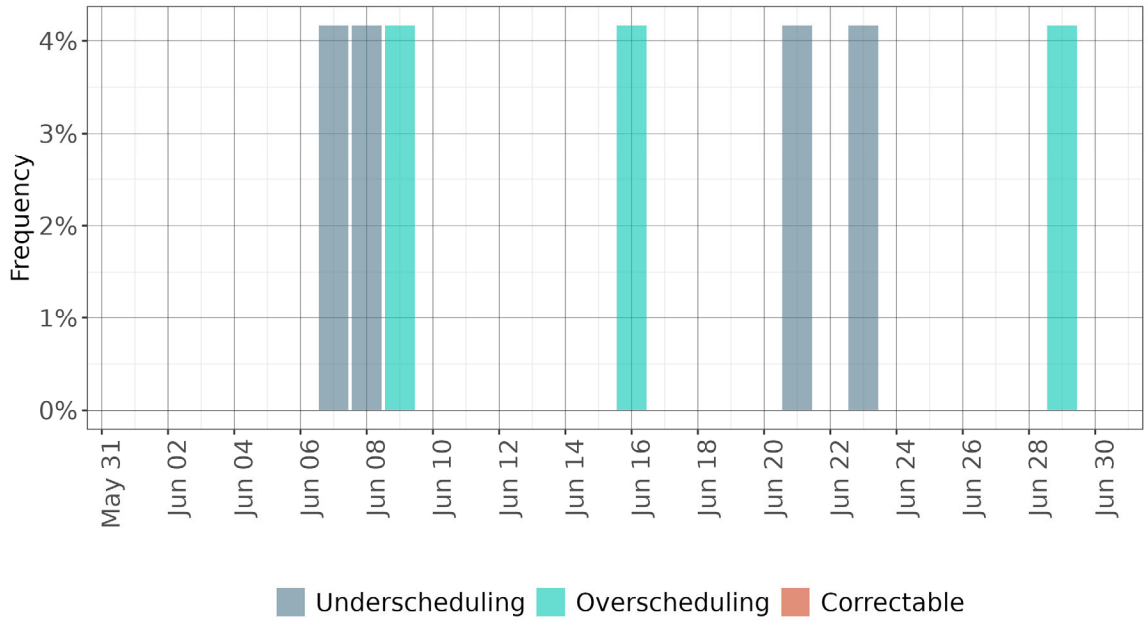
Figure 2: Frequency of Balancing test failures in the BHBA BAA



The BHBA BAA passed the bid-range capacity test in 100 percent of intervals. The CAISO also performs the flexible ramping sufficiency test as specified in Section 29.34(m) of the CAISO tariff. The BHBA BAA passed the flexible ramp up and down tests in 100 percent of the intervals in June.

d. Flexible Ramping Product

Figure 3 shows the daily average of the upward and downward flexible ramping constraint requirement and procurement in the FMM for the BHBA BAA. Figure 4 shows the daily average of the upward and downward flexible ramping constraint prices in the FMM for the BHBA BAA.

The implementation of the flexible ramping product refinements on February 1, 2023, included changes to the requirement calculation, procurement, and pricing for the flexible ramping product. As part of these refinements, each BAA only needs to procure its own flexible ramping requirement when it fails the flexible ramping test or the bid range capacity test. If the BAA fails the test in the upward direction, it will need to procure its own flexible ramping up requirement, and if it fails the test in the downward direction it needs to procure its own flexible ramping down requirement. When the BAA passes the test, it is pooled with all other entities that pass, and the requirement and procurement of flexible ramping are determined at the pass group level. There are thresholds in place to ensure no single entity procures an outsized share of the pass group flexible ramping requirements. Both the BAA and pass group requirements are set based on historical forecast deviations for load, wind, and solar.

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For each interval, a demand curve is created based on the historical cost of the uncertainty, and both the BAA and the pass group can use both the demand curve and their resources to procure their requirement at least cost. This is the main reason why the individual BHBA procurement may fall below the individual BHBA flex ramp requirement. The requirement shown in Figure 3 below only includes intervals in which BHBA failed one of the resource sufficiency tests and had to procure their own flexible ramping product, it does not include the requirements when they were part of the pass group. If a BAA fails the flexible ramping test or the bid range capacity test at T-55 minutes prior to the start of the next trading hour, the BAA will have its own FRP requirement and financially binding resource flexible ramping product awards and prices in the first 15-minute interval of the trading hour in FMM as the associated FMM process is executed after the tests at T-55.

Figure 3: Daily average requirement and procurement of upward and downward flexible ramping in FMM

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The price trend provided in Figure 4 is the FMM flexible ramping product price applicable to the BHBA BAA in each interval averaged over each day. When the BAA passes the flexible ramping sufficiency test and the bid range capacity test, the price will be set by the pass group flexible ramping shadow price. When the BAA fails either test, the price is set by the individual BHBA BAA flexible ramping shadow price. In June, the average upward flexible ramping capacity price was $0.01/MWh and the average downward flexible ramping capacity price was $0.00/MWh. The individual BAA or pass group flexible ramping pricing can drop below zero due to the inclusion of congestion in the flexible ramping product price formation as part of the flexible ramping product refinements.

Although BHBA passed 100% of upward bid range capacity tests and 100% of upward flexible ramping tests in June, BHBA failed the upward bid range capacity test in multiple intervals of advisory RTBS 2 (T-55) runs.

First, BHBA failed the upward bid range capacity test in intervals 1-3 of the RTBS 2 (T-55) run for HE 17 of TD 06-07. In the subsequent RTPD run spanning 15:30-17:00, BHBA was excluded from the passing group for the period spanning 16:00-16:45 and had to procure FRU internally in those intervals. BHBA procured FRU from internal resources in the 16:00-16:15 interval at a price of $14.29 as set by the opportunity cost of energy. After the 15:30-17:00 RTPD, BHBA passed the upward bid range capacity in all intervals of the RTBS 3 (T-40) run for HE 17.

Second, BHBA failed the upward bid range capacity test in intervals 1-3 of the RTBS 2 (T-55) run for HE 18 of TD 06-07. In the subsequent RTPD run spanning 16:30-18:00, BHBA was excluded from the passing group for the period spanning 17:00-17:45 and had to procure FRU internally in those intervals. BHBA procured FRU from internal resources in the 17:00-17:15 interval at a price of $6.14 as set by the opportunity cost of energy. After the 16:30-18:00 RTPD, BHBA passed the upward bid range capacity in all intervals of the RTBS 3 (T-40) run for HE 18.

The $14.29 FRU price in RTPD HE 17 Interval 1 of TD 06-07 and the $6.14 FRU price in RTPD HE 18 Interval 1 of TD 06-07 resulted in a daily average FRU price of $0.21 for TD 06-07.

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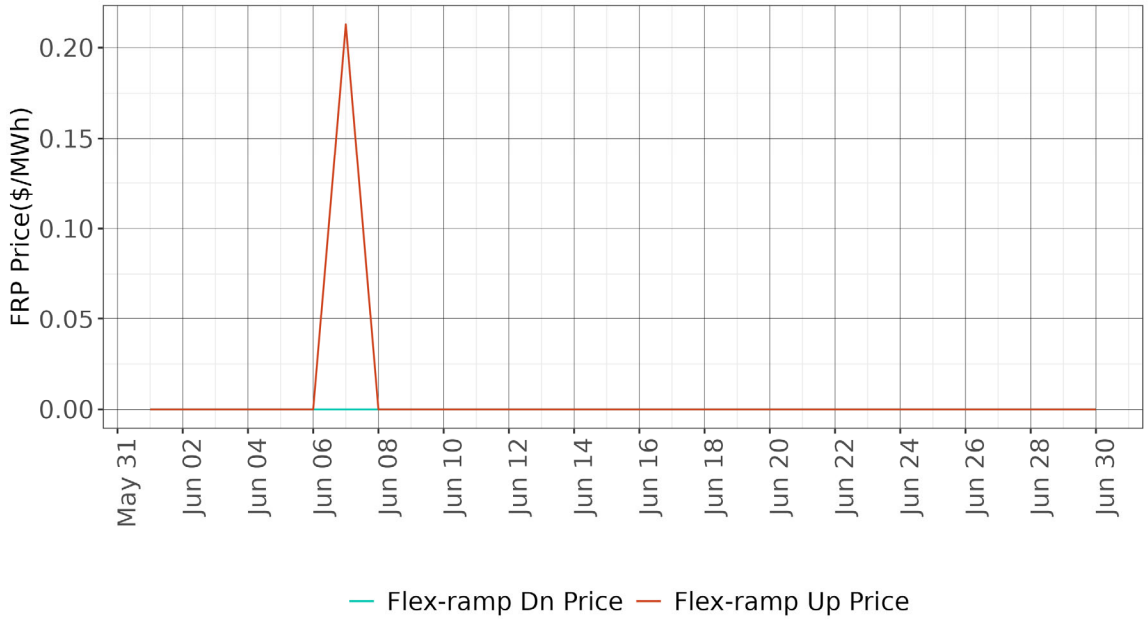
Figure 4: Daily average price for upward and downward flexible ramping in FMM



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CERTIFICATE OF SERVICE

I hereby certify that I have served the foregoing document upon the parties listed on the official service list in the above-referenced proceeding, in accordance with the requirements of Rule 2010 of the Commission's Rules of Practice and Procedure (18 C.F.R. § 385.2010).

Dated at Folsom, California, this 27th day of July 2026.

/s/ Ariana Rebancos

Ariana Rebancos