

Research Update:

Transmission Agency Of Northern California Series 2016A Revenue Bond Outlook Revised To Stable From Negative

July 3, 2025

Overview

- S&P Global Ratings revised the outlook to stable from negative and affirmed its 'A+' long-term rating on the [Transmission Agency of Northern California](#)'s (TANC, or the agency) series 2016A California-Oregon Transmission Project (COTP) revenue refunding bonds. We previously revised the outlook to negative from stable on March 13, 2025.
- The outlook revision reflects our rating action on Modesto Irrigation District's (MID) outstanding bonds following a review of MID's wildfire mitigation practices. In our view, MID is the TANC member-participant with the lowest credit quality within a subset of the strongest participants making up at least 80% of the agency's entitlement share, prior to the 25% step-up requirement. For more information on MID, see our report published July 3, 2025, on RatingsDirect.

Rationale

Security

TANC's revenue, primarily consisting of transmission service payments from its 13 member-participants in the COTP, secures the bonds. The member-participants have take-or-pay obligations with the agency via Project Agreement No. 3 (PA3), which also includes an explicit 25% step-up provision in the event of default by a member-participant. As of June 30, 2024, TANC had \$160 million of debt principal outstanding.

Credit highlights

Our rating on TANC reflects our assessment of the creditworthiness of the agency but also of the member-participants, whereby we examine the credit profile of the strongest, which make up at least 80% of the agency's entitlement share in the COTP, with the weakest among these having significant influence on TANC's rating. Inclusive of the 25% step-up provision in PA3, the strongest project members making up at least 80% of the agency's entitlement share would be

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obligated, if need be, to cover 100% of TANC's project costs, including debt service. In our view, MID is the member-participant with the lowest credit quality, with an 'A+/Stable' rating, within a subset of the strongest participants making up at least 80% of the agency's entitlement share. We note that TANC's financial metrics are particularly robust for a wholesale utility, but we believe the agency faces potential exposure to wildfires; therefore, our rating on TANC is in line with our rating on MID.

The rating further reflects our view of:

- The PA3 contract between TANC and the member-participants that requires unconditional payment from the member-participants regardless of COTP performance and a 25% step-up provision;
- The importance of the COTP transmission asset to the member-participants, allowing them to obtain more economic power from the Pacific Northwest, much of which is from non-carbon-dioxide-emitting resources; and
- TANC's healthy financial performance, with the agency's fixed-charge coverage (FCC) exceeding 2.0x in each of the past three years and liquidity at more than 1,000 days at fiscal year-end 2024, both particularly healthy for a wholesale utility.

Partially offsetting the above strengths, in our view, is the presence of TANC assets in regions that are vulnerable to wildfires; California courts' approach to the doctrine of inverse condemnation, particularly as it would be applied for assigning liability for wildfire damage; and contractual provisions that might frustrate the agency's efforts to allocate liability costs among its member-participants if TANC were found negligent in its wildfire mitigation measures. We believe, however, these factors are manageable at the existing rating based on the agency's wildfire mitigation practices as well as further analysis of TANC's exposures, liquidity, and insurance versus those of comparable peers. Key risk factors for wildfires included in our analysis are overhead power lines, facilities in Tier 2 elevated and Tier 3 extreme wildfire risk zones, the presence of combustible structures proximate to such lines or facilities, the geography and topography of COTP's footprint, weather-related data, population density, vegetation, and the COTP having never started a wildfire.

Environmental, social, and governance

We believe TANC has minimal climate transition risk given its role as a transmission-only provider, particularly since much of the energy the agency is transmitting is from non-carbon-dioxide-emitting resources, which will help the member-participants meet California environmental regulations. However, TANC has significant physical risk exposure to wildfires: 34% of the COTP's line miles are in the California Public Utility Commission's Tier 2 elevated fire threat zone, while about 1% falls within the Tier 3 extreme fire threat zone. A wildfire caused by TANC could result in considerable expense for the agency.

From a social perspective, we believe the COTP enables the member-participants to access less costly power. TANC estimates that its member-participants overall annually save \$50 million to \$100 million on power purchase costs because of the project. The weighted average rate of most of the member-participants' is considerably below the state average, based on 2023 data from the U.S. Energy Information Administration. Nevertheless, we are monitoring the strength and stability of utilities' revenue streams given inflationary pressures. (See "[Economic Outlook U.S. Q3 2025: Policy Uncertainty Limits Growth](#)," June 24, 2025.)

In our view, TANC's governance practices are credit supportive. The agency has implemented vigorous wildfire mitigation practices and annually updates its wildfire mitigation plan, which

focuses on minimizing sources of wildfire ignition and wildfire spread rates while maintaining the resiliency of the electric grid. We believe TANC's management takes a long-term view in the operation of the COTP, maximizing the value of the asset.

Outlook

The stable outlook reflects our view of the overall credit quality strength of the member-participants and TANC's healthy financial performance that we expect the agency to maintain due to the COTP's importance to the member-participants. In addition, we believe TANC continues to take steps to reduce its exposure to wildfires and we expect this work to continue.

Downside scenario

We could lower the rating if TANC's wildfire liability exposure materially increases or if the agency faces wildfire claims that could deplete or exhaust its financial reserves and insurance. We could also lower the rating if the credit quality of key member-participants erodes.

Upside scenario

We do not expect to raise the rating in the next two years given TANC's wildfire exposure and our belief that the credit quality of key member-participants will not materially improve.

Credit Opinion

The COTP is a 340-mile, 1,600-megawatt, 500-kilovolt alternating current transmission line between southern Oregon and central California that went into service in 1993 at a cost of \$430 million. TANC owns 87% of the COTP, with the remaining 13% owned by the Western Area Power Administration, PG&E, the city of Redding, San Juan Water District, and Carmichael Water District. The project is interconnected with the transmission systems of the Bonneville Power Administration, Portland General Electric, and PacifiCorp. We understand that TANC intends to operate the COTP beyond the existing debt's final maturity in 2039.

We view the PA3 contract between TANC and the 13 member-participants as having several credit-supporting provisions:

- First, each member-participant is unconditionally obligated to pay its share of the COTP's operating expenses and debt service prior to the month of service, regardless of project operation. These payments by the member-participants are considered operating expenses of the member-participants and are senior to their direct debt payments, if any.
- Second, the PA3 contract stipulates that the member-participants covenant to set rates to meet all expenses for operating their electric systems.
- Third, each member-participant is also responsible for as much as 25% more than its entitlement percentage of TANC's project costs in the event of a default by another participant. Should member-participants have to make a step-up payment, we believe the payment would constitute an insignificant portion of their overall operating expenditures.

The five member-participants with the largest entitlement shares, collectively more than 90%, are the:

- Sacramento Municipal Utility District (27.6% entitlement share; AA/Negative);
- Modesto Irrigation District (21.3%; A+/Stable);

- Santa Clara (20.5%; AA-/Stable);
- Turlock Irrigation District (12.5%; AA-/Negative); and
- Redding (8.4%; not rated).

We believe TANC has had healthy financial performance in recent years. During the past three years, the agency's FCC averaged 3.1x, demonstrating sound cost recovery. We believe TANC's FCC will likely decline from the 3.1x three-year average in the coming years as debt service increases, but remain credit-supporting. TANC has also built up its available reserves, reaching more than \$80 million at the end of fiscal 2024, corresponding to 1,042 days' operating expenses. We understand that the agency's available reserves will likely decline in the coming years as TANC cash-funds some of its capital plans. The agency plans to maintain available reserves equivalent to at least 120 days of all expenses (including operating, capital, and debt service). TANC's debt-to-capitalization ratio was a manageable 64% at the end of fiscal 2024, a decline from 90% at the end of fiscal 2018.

In our view, TANC's most significant operational exposure is wildfires: About 34% of the COTP's line miles are in the Tier 2 elevated fire threat zone, while about 1% falls within the Tier 3 extreme fire threat zone. If there is a wildfire claim related to the project that exceeds TANC's internal resources and wildfire insurance coverage, the agency might be able to pass through the associated costs to its member-participants. However, there are conflicting provisions in the PA3 in that member-participants are simultaneously required to support all COTP costs but are absolved of financial liability, in the event of TANC's negligence, if project assets cause property or personal damage, including from wildfires. Consequently, the agency could be precluded from looking to its member-participants to fund liability claims.

We believe TANC's wildfire risk is somewhat mitigated by the agency's continuous efforts to minimize sources of wildfire ignition and wildfire spread rates while maintaining the resiliency of the COTP. TANC undertakes regular vegetation management and ground inspections and monitoring of lines, equipment, and structures; conducts periodic aerial inspections, including with the use of infrared and light detection and ranging imaging; has a program for limiting crop and vegetation height in orchard areas; and coordinates with federal, state, and local agencies. As required by law, TANC annually updates its wildfire mitigation plan, which in our opinion is detailed. We also view favorably that the agency maintains \$50 million in wildfire insurance, although the net insurer payment amount is \$37.5 million after coinsurance. There are a limited number of structures along the length of the COTP, but we note wildfire can result in various other damages, such as lost timber value and firefighting costs. There has never been a wildfire sparked by the COTP.

Ratings List

Outlook Action

To	From

Public Power

Northern California Transmission Agy, CA Wholesale Electric System California-Oregon Transmission Proj 3 Agreement	A+/Stable	A+/Negative
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The ratings appearing below the new issues represent an aggregation of debt issues (ASID) associated with related maturities. The maturities similarly reflect our opinion about the creditworthiness of the U.S. Public Finance obligor's legal pledge for payment of the financial obligation. Nevertheless, these maturities may have different credit ratings than the rating presented next to the ASID depending on whether or not additional legal pledge(s) support the specific maturity's payment obligation, such as credit enhancement, as a result of defeasance, or other factors.

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