

2018 Wind Project Performance Annual Report

In the Settlement Stipulation approved by the Commission in our last rate case (Docket No. EL14-058), the Company agreed to report information related to capital costs, operating costs and energy production for the Pleasant Valley and Borders wind projects once they are completed and in operation. We agreed to provide this data beginning with the first October 1 Annual Infrastructure Rider Update following completion of the project construction and to continue annually until each project is moved into base rates. As part of the Settlement Stipulation approved in the 2015 Annual Infrastructure Rider Update (Docket No. EL15-038), we also agreed to include information about the Courtenay wind project in the report once the project is complete and in-service. This report contains data for these three wind facilities for the entirety of 2018.

Pleasant Valley

The Pleasant Valley Wind Farm has an operating capacity of 200 MW and was placed in-service in November 2015. Total capital cost to build the facility, including transmission, but excluding AFUDC, was \$331.8 million through 2018. This is less than our forecasted project cost of \$342.9 million. For 2018, the facility's O&M expenditure was \$4,982,159, and the native congestion and loss cost for the facility was \$1,082,879. Attachment A provides detailed monthly information about the plant's performance in 2018, including the amount of energy produced, curtailment, average wind speed, and average net capacity factor.

Pleasant Valley Costs

	Capital to Date	O&M		Congestion	Loss	Total
2016	\$332,065,758	\$5,721,195		\$688,514	\$277,899	\$966,413
2017	\$331,699,144	\$7,372,656		\$248,007	\$248,007	\$496,013
2018	\$331,791,894	\$4,982,159		\$720,136	\$362,743	\$1,082,879

Borders

The Borders Wind Farm has an operating capacity of 150 MW and was placed in-service in December 2015. Total capital cost to build the facility, including transmission, but excluding AFUDC, was \$261.6 million through 2018. This is slightly less than our forecasted project cost of \$261.8 million. For 2018, the facility's O&M expenditure was \$2,792,178, and the native congestion and loss cost for the facility was \$776,571. Attachment A provides detailed monthly information about the plant's performance in 2018, including the amount of energy produced, curtailment, average wind speed, and average net capacity factor.

Borders Costs

	Capital to Date	O&M		Congestion	Loss	Total
2016	\$261,264,067	\$4,538,134		\$1,721,177	\$1,206,315	\$2,927,492
2017	\$261,685,798	\$4,879,690		\$796,022	\$1,213,285	\$2,009,307
2018	\$261,586,803	\$2,792,178		\$119,773	\$656,797	\$776,571

Courtenay Wind Farm

The Courtenay facility has an operating capacity of 200 MW was placed in-service in December 2016. Total capital cost to build the facility, including transmission, but excluding AFUDC, was \$287.0 million through 2018. This is less than our forecasted project cost of \$300 million. For 2018, the facility's O&M expenditure was \$4,929,521, and the native congestion and loss cost for the facility was \$1,850,415. Attachment A provides detailed monthly information about the plant's performance in 2018, including the amount of energy produced, curtailment, average wind speed, and average net capacity factor.

Courtenay Costs

	Capital to Date	O&M		Congestion	Loss	Total
2016	\$286,031,744	\$1,318,236		\$206,724	\$255,027	\$461,751*
2017	\$287,031,302	\$5,724,832		\$1,644,197	\$1,481,164	\$3,125,361
2018	\$286,946,605	\$4,929,521		\$873,015	\$977,400	\$1,850,415

*Online for testing Aug-Dec 2016