



Sierra Nevada Region
Power Revenue Requirement Forecast FY 2021 - 2030

	Current: FY 2021 PRR Initial		FY 2022 PRR		FY 2023 PRR		FY 2024 PRR		FY 2025 PRR		FY 2026 PRR		FY 2027 PRR		FY 2028 PRR		FY 2029 PRR		FY 2030 PRR			
	Expenses	Revenues	Expenses	Revenues	Expenses	Revenues	Expenses	Revenues	Expenses	Revenues	Expenses	Revenues	Expenses	Revenues	Expenses	Revenues	Expenses	Revenues	Expenses	Revenues		
O&M Expense: /1																						
Reclamation O&M	\$51,170,467		\$52,087,057		\$56,412,419		\$58,546,801		\$63,702,705		\$65,562,786		\$67,478,670		\$69,452,030		\$71,484,591		\$73,578,129			
WAPA O&M	\$66,010,746		\$67,985,849		\$69,257,860		\$70,555,312		\$71,878,712		\$73,228,581		\$74,605,447		\$76,009,850		\$77,442,342		\$78,903,483			
Total O&M Expense	\$117,181,213		\$120,072,905		\$125,670,279		\$129,102,113		\$135,581,417		\$138,791,367		\$142,084,117		\$145,461,880		\$148,926,933		\$152,481,612			
Purchase Power Expense:																						
Custom Product & Suppl. Power /2	\$191,581,676	\$191,581,676	\$184,662,904	\$184,662,904	\$188,356,162	\$188,356,162	\$192,123,285	\$192,123,285	\$195,965,751	\$195,965,751	\$199,885,066	\$199,885,066	\$203,882,767	\$203,882,767	\$207,960,423	\$207,960,423	\$212,119,631	\$212,119,631	\$216,362,024	\$216,362,024		
HBA Costs /3	\$2,852,627		\$2,938,206		\$3,026,352		\$3,117,143		\$3,210,657		\$3,306,977		\$3,406,186		\$3,508,371		\$3,613,623		\$3,722,031			
Purchases for Project Use /4	\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0			
Washoe Cost for BR	\$243,000		\$243,000		\$243,000		\$243,000		\$243,000		\$243,000		\$243,000		\$243,000		\$243,000		\$243,000			
Total Purchase Power Expense/Revenue	\$194,677,303	\$191,581,676	\$187,844,110	\$184,662,904	\$191,625,514	\$188,356,162	\$195,483,428	\$192,123,285	\$199,419,408	\$195,965,751	\$203,435,043	\$199,885,066	\$207,531,953	\$203,882,767	\$211,711,794	\$207,960,423	\$215,976,254	\$212,119,631	\$220,327,055	\$216,362,024		
Interest Expense:																						
Interest Credits	\$14,230,631		\$14,108,194		\$14,343,618		\$14,826,697		\$15,327,201		\$15,783,536		\$17,388,487		\$17,939,161		\$18,388,391		\$20,363,599			
Total Interest Expense /5	\$14,230,631		\$14,108,194		\$14,343,618		\$14,826,697		\$15,327,201		\$15,783,536		\$17,388,487		\$17,939,161		\$18,388,391		\$20,363,599			
Other Expenses: /6																						
Total Other Expenses	\$4,750,918		\$4,845,936		\$4,942,855		\$5,041,712		\$5,142,546		\$5,245,397		\$5,350,305		\$5,457,311		\$5,566,458		\$5,677,787			
Project Repayment (Expense): /7*																						
Total Project Repayment	\$0 *		\$0 *		\$8,000,000 *		\$10,000,000		\$10,000,000													
Other Pass-through Expenses & Revenues:																						
CAISO Market & GMC Charges (WSLW) & (WPUL) /8	\$11,713,676	\$0	\$12,002,736	\$0	\$12,562,261	\$0	\$12,905,314	\$0	\$13,552,998	\$0	\$13,873,872	\$0	\$14,203,022	\$0	\$14,540,670	\$0	\$14,887,044	\$0	\$15,242,377	\$0		
CAISO Expenses & Revenues /9	\$32,141,684	\$32,805,534	\$32,141,684	\$31,905,534	\$32,141,684	\$31,905,534	\$32,141,684	\$31,905,534	\$32,141,684	\$31,905,534	\$32,141,684	\$31,905,534	\$32,141,684	\$31,905,534	\$32,141,684	\$31,905,534	\$32,141,684	\$31,905,534	\$32,141,684	\$31,905,534		
PG&E costs incurred for Wheeling /10	\$11,432,194	\$8,486,050	\$11,432,194	\$8,486,050	\$11,432,194	\$8,486,050	\$11,432,194	\$8,486,050	\$11,432,194	\$8,486,050	\$11,432,194	\$8,486,050	\$11,432,194	\$8,486,050	\$11,432,194	\$8,486,050	\$11,432,194	\$8,486,050	\$11,432,194	\$8,486,050		
PATH 15 revenues and expenses	\$12,000	\$12,000	\$12,000	\$12,000	\$12,000	\$12,000	\$12,000	\$12,000	\$12,000	\$12,000	\$12,000	\$12,000	\$12,000	\$12,000	\$12,000	\$12,000	\$12,000	\$12,000	\$12,000	\$12,000		
Purchases and Sales for SBA /11	\$8,412,468	\$10,734,254	\$8,412,468	\$10,734,254	\$8,412,468	\$10,734,254	\$8,412,468	\$10,734,254	\$8,412,468	\$10,734,254	\$8,412,468	\$10,734,254	\$8,412,468	\$10,734,254	\$8,412,468	\$10,734,254	\$8,412,468	\$10,734,254	\$8,412,468	\$10,734,254		
Resource Adequacy/Flexible Resource Adequacy /12	\$16,010,566	\$14,756,924	\$16,330,777	\$15,052,062	\$16,657,393	\$15,353,104	\$16,990,541	\$15,660,166	\$17,330,352	\$15,973,369	\$17,676,959	\$16,292,837	\$18,030,498	\$16,618,693	\$18,391,108	\$16,951,067	\$18,758,930	\$17,290,088	\$19,134,108	\$17,635,890		
Total Other Pass-through Expense/Revenue	\$79,722,588	\$66,794,762	\$80,331,859	\$66,189,900	\$81,217,999	\$66,490,942	\$81,894,200	\$66,798,004	\$82,881,696	\$67,111,207	\$83,549,176	\$67,430,675	\$84,231,865	\$67,756,531	\$84,930,124	\$68,088,905	\$85,644,320	\$68,427,926	\$86,374,831	\$68,773,728		
Other Revenues:																						
Non-firm energy sales		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		
Miscellaneous Revenues /13		\$35,955,176		\$37,307,258		\$38,312,855		\$39,347,625		\$40,412,426		\$41,508,137		\$42,635,665		\$43,795,943		\$44,989,933		\$46,218,624		
SC, PM, and VRC Admin Fees		\$2,695,786		\$2,695,786		\$2,695,786		\$2,695,786		\$2,695,786		\$2,695,786		\$2,695,786		\$2,695,786		\$2,695,786		\$2,695,786		
Revenue from Ancillary Service Sales to IOA SBA Members		\$2,419,402		\$2,467,790		\$2,517,146		\$2,567,489		\$2,618,839		\$2,671,215		\$2,724,640		\$2,779,132		\$2,834,715		\$2,891,409		
Total Other Revenues	\$41,070,364	\$41,070,364	\$42,470,834	\$42,470,834	\$43,525,787	\$43,525,787	\$44,610,900	\$44,610,900	\$45,727,051	\$45,727,051	\$46,875,138	\$46,875,138	\$48,056,091	\$48,056,091	\$49,270,862	\$49,270,862	\$50,520,434	\$50,520,434	\$51,805,820	\$51,805,820		
Project Use Revenues: /14																						
Total Project Use Revenues		\$38,357,641		\$39,304,196		\$41,136,419		\$42,259,782		\$44,380,692		\$45,431,424		\$46,509,260		\$47,614,924		\$48,749,161		\$49,912,736		
Transmission Revenues: /15																						
Total Transmission Revenues		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		
Total Expenses & Revenues	\$410,562,653	\$337,804,443	\$407,203,005	\$332,627,835	\$411,800,265	\$339,509,309	\$421,848,150	\$345,791,971	\$433,352,268	\$353,184,701	\$441,804,519	\$359,622,303	\$451,586,728	\$366,204,649	\$460,500,270	\$372,935,114	\$469,502,355	\$379,817,153	\$480,224,884	\$386,854,307		
Forecasted Power Revenue Requirement Summary:																						
Total Expenses	\$410,562,653		\$407,203,005		\$403,800,265		\$411,848,150		\$423,352,268		\$431,804,519		\$441,586,728		\$450,500,270		\$459,502,355		\$470,224,884			
add: Project Repayment	\$0		\$0		\$8,000,000		\$10,000,000		\$10,000,000													
less: Total Revenues	\$410,562,653	(\$337,804,443)	\$407,203,005	(\$332,627,835)	\$411,800,265	(\$339,509,309)	\$421,848,150	(\$345,791,971)	\$433,352,268	(\$353,184,701)	\$441,804,519	(\$359,622,303)	\$451,586,728	(\$366,204,649)	\$460,500,270	(\$372,935,114)	\$469,502,355	(\$379,817,153)	\$480,224,884	(\$386,854,307)		
Estimated Power Revenue Requirement	\$72,758,210		\$74,575,170		\$72,290,956		\$76,056,179		\$80,167,568		\$82,182,216		\$85,382,078		\$87,565,157		\$89,685,202		\$93,370,577			
Info only: May 2019 Forecast	\$84,059,410		\$86,233,148		\$87,591,540		NA															

Rate methodology is based on Rate Order WAPA 156 effective October 1, 2011 thru September 30, 2016. Rate Order WAPA 173 extends WAPA 156 through FY 2019, and Rate Order WAPA 185 extends the formula rate methodology through September 2024.

- NOTES:**
- /1 WAPA's and Reclamation's O&M is based on forecasted budget data. Both agencies' O&M include unfunded benefits. EIM O&M costs include BANC implementation costs. WAPA and Reclamation EIM software implementation costs are capitalized.
 - /2 Estimates for Custom Product and Supplemental Power costs are based on WAPA's Purchase Power budget.
 - /3 Host Balancing Authority (HBA) charges are estimated to increase by 3% each year based on a 5 year average.
 - /4 Currently, there are no planned forward purchases for Project Use and First Preference customers.
 - /5 Interest Expense (from the preliminary FY20 Power Repayment Study) is forecasted to increase due to the planned out year investments. Prior year interest adjustment is projected due to the Final Cost Allocation Study capital adjustments.
 - /6 Other Expenses are forecasted to increase at 2% per year.
 - /7* Capital repayment projection includes WAPA's and BOR's planned investment. *FY21-23 are reduced for the Final Cost Allocation Study (CAS) \$32M capital adjustment. (FY20 was reduced by \$10M).
 - /8 CAISO charges for WPUL are based on current historical data and projected based on % change in USBR O&M. Includes charges from CDWR.
 - /9 CAISO expense and revenue projections are based on current historical data and held constant thereafter.
 - /10 These amounts reflect PG&E's FERC approved Wholesale Distribution Tariff (WDT) rates.
 - /11 FY 2021 SBA power purchases and sales are based on historical data. FY2022-FY2030 values reflect a 5 year average.
 - /12 Resource Adequacy (RA) (Local and Flexible) costs are forecasted to increase 2% annually.
 - /13 Miscellaneous Revenues includes projected transmission revenues based on the May 2020 transmission forecast, and EIM projected revenues.
 - /14 Project Use revenues are projected at a rate consistent with O&M changes.
 - /15 Transmission Revenues are included in the Miscellaneous Revenues category.